



MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

Home Page: www.mcwd.org

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President

HERBERT CORTEZ
Vice President

THOMAS P. MOORE
GAIL MORTON
MATT ZEFFERMAN

Agenda

**Regular Board Meeting, Board of Directors
Marina Coast Water District**

and

**Regular Board Meeting, Board of Directors
Marina Coast Water District Groundwater Sustainability Agency**

Tuesday, February 22, 2022, 6:30 p.m. PST

Due to Governor Newsom's Executive Order N-29-20 and recommendations on protocols to contain the spread of COVID-19, staff and Board members will be attending the February 22, 2022 meeting remotely from various locations and the meeting will be held via Zoom conference. There will be NO physical location of the meeting. The public is strongly encouraged to use the Zoom app for best reception.

There may be limited opportunity to provide verbal comments during the meeting. Persons who are participating via telephone will need to press *9 to be acknowledged for comments. Members of the public participating by Zoom will be placed on mute during the proceedings and will be acknowledged only when public comment is allowed, after requesting and receiving recognition from the Board President. Public comment can also be submitted in writing to Paula Riso at priso@mcwd.org by 9:00 am on Tuesday, February 22, 2022; such comments will be distributed to the MCWD Board before the meeting.

This meeting may be accessed remotely using the following Zoom link:

<https://us02web.zoom.us/j/82521323691?pwd=c2tya3BnUG40d05pYytaUkJIRHhuQT09>

Passcode: 109140

To participate via phone: 1-669-900-9128; Meeting ID: 825 2132 3691 Passcode: 109140

Our Mission: We provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management, and the development of water resources in an environmentally sensitive manner.

1. Call to Order

2. Roll Call

3. Public Comment on Closed Session Items *Anyone wishing to address the Board on matters appearing on Closed Session may do so at this time. Please limit your comment to four minutes. The public may comment on any other items listed on the agenda at the time they are considered by the Board.*

This agenda is subject to revision and may be amended prior to the scheduled meeting. Pursuant to Government Code section 54954.2(a)(1), the agenda for each meeting of the Board shall be posted at the District offices at 11 Reservation Road, Marina. The agenda shall also be posted at the following locations, but those locations are not official agenda posting locations for purposes of section 54954.2(a)(1): City of Marina Council Chambers. A complete Board packet containing all enclosures and staff materials will be available for public review on the District website, Thursday, February 17, 2022. Information about items on this agenda or persons requesting disability related modifications and/or accommodations should contact the Board Clerk 48 hours prior to the meeting at: 831-883-5910

4. Closed Session

- A. Pursuant to Government Code 54956.9
Conference with Legal Counsel – Existing Litigation
Appeal No. A-3-MRA-19-0034 by California-American Water Company to the California Coastal Commission over Denial by the City of Marina for a Coastal Development Permit for Construction of Slant Intake Wells for the Monterey Peninsula Water Supply Project

7:30 p.m. Reconvene Open Session

5. Reportable Actions Taken During Closed Session *The Board will announce any reportable action taken during closed session and the vote or abstention on that action of every director present and may take additional action in open session as appropriate. Any closed session items not completed may be continued to after the end of all open session items.*

6. Pledge of Allegiance

7. Oral Communications *Anyone wishing to address the Board on matters not appearing on the Agenda may do so at this time. Please limit your comment to four minutes. The public may comment on any other items listed on the agenda at the time they are considered by the Board.*

8. Presentation

- A. [Receive a Plaque from the American Council of Engineering Excellence for the Pure Water Monterey Advanced Water Purification Facility](#)
(Page 1)
- B. [Receive a Presentation from the Army Base Realignment and Closure on the Per- and Polyfluoroalkyl Substances Clean-up on the Former Fort Ord](#)
(Page 3)
- C. [Recycled Water Rate Study Workshop #2](#)
(Page 23)

9. [Consent Calendar](#)

- A. [Receive and File the Check Register for the Month of January 2022](#)
(Page 26)
- B. [Receive the Quarterly Financial Statements for October 1, 2021 to December 31, 2021](#)
(Page 32)
- C. [Approve the Draft Minutes of the Regular Joint Board/GSA Meeting of January 19, 2022](#)
(Page 44)
- D. [Approve the Draft Minutes of the Special Joint Board/GSA Meeting of February 1, 2022](#)
(Page 51)

- E. [Receive the District FY 2022-2023 Budget Schedule and Set the FY 2022-2023 Budget Workshop Date](#)
(Page 54)
- F. [Receive the 2021 Year in Review Report](#)
(Page 56)
- G. [Adopt Resolution No. 2022-05 to Approve the District's 2022 Sanitary Sewer Management Plan](#)
(Page 72)
- H. [Receive an Update on the Fiscal Impacts to the District due to Covid-19](#)
(Page 161)
- I. [Adopt Resolution No. 2022-06 to Proclaim a Local Emergency, and Authorize Remote Teleconference Meetings of All District Legislative Bodies for the Following 30 Days](#)
(Page 174)
- J. [Adopt Resolution No. 2022-GSA02 to Amend the Professional Services Agreement with EKI Environment & Water](#)
(Page 177)

10. Action Items *The Board will review and discuss agenda items and take action or direct staff to return to the Board for action at a following meeting. The public may address the Board on these Items as each item is reviewed by the Board. Please limit your comment to four minutes.*

- A. [Adopt Resolution No. 2022-02 to Find that the MCWD Sphere of Influence Amendment and Annexation for Monterey County A.P.N. \(031-15-013; 018; 024; 029; 031; 032; 036-44; 054-056\); \(031-261-003; 004\); and \(031-152-011\) is not subject to CEQA and is exempt from CEQA under CEQA Guidelines sections 15301 \(Existing Facilities\) and 15319 \(Annexations of Existing Facilities and Lots for Exempt Facilities\); and Direct Staff to File an Application with the Local Agency Formation Commission](#)
(Page 188)
- B. [Adopt Resolution No. 2022-07 to Approve a Water, Sewer and Recycled Water Infrastructure Agreement between the Marina Coast Water District and the Marina Developers, LLC for the Sea Haven Phase 4 Development Project](#)
(Page 200)
- C. [Receive the Marina Coast Water District FY 2021-2022 Mid-Year Financial Report](#)
(Page 248)

11. Informational Items *Informational items are normally provided in the form of a written report or verbal update and may not require Board action. The public may address the Board on Informational Items as they are considered by the Board. Please limit your comments to four minutes.*

- A. General Manager's Report
- B. Counsel's Report

C. Committee and Board Liaison Reports

1. Executive Committee
2. Community Outreach Committee
3. Budget and Personnel Committee
4. Joint City District Committee
5. M1W Board Member Liaison
6. LAFCO Liaison

12. Board Member Requests for Future Agenda Items

13. Director's Comments *Director reports on meetings with other agencies, organizations and individuals on behalf of the District and on official District matters.*

14. Adjournment *Set or Announce Next Meeting(s), date(s), time(s), and location(s):*

Board Workshop: Monday, March 7, 2022, 6:30 p.m.

Regular Meeting: Monday, March 21, 2022, 6:30 p.m.

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 8-A

Meeting Date: February 22, 2022

Prepared By: Paula Riso

Approved By: Remleh Scherzinger

Agenda Title: Receive a Plaque from the American Council of Engineering Excellence for the Pure Water Monterey Advanced Water Purification Facility

Staff Recommendation: The Board of Directors receive a plaque from the American Council of Engineering Excellence for the Pure Water Monterey Advanced Water Purification Facility.

Background: *Strategic Plan Mission Statement – We provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: Mr. Mike McCullough, Monterey One Water, will present the plaque to the District.

Environmental Review Compliance: None required.

Financial Impact: ___ Yes X No **Funding Source/Recap:** None

Other Consideration: None.

Material Included for Information/Consideration: None.

Action Required: ___ Resolution ___ Motion X Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 8-B

Meeting Date: February 22, 2022

Prepared By: Paula Riso

Approved By: Remleh Scherzinger

Agenda Title: Receive a Presentation from the Army Base Realignment and Closure on the Per-Polyfluoroalkyl Substances Clean-up on the Former Fort Ord

Staff Recommendation: The Board of Directors receive a presentation from the Army Base Realignment and Closure (BRAC) on the Per- Polyfluoroalkyl Substances (PFAS) Clean-up on the Former Fort Ord.

Background: *Strategic Plan Mission Statement – We provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: Mr. Derek Lieberman, BRAC, will give a presentation on the Army’s PFAS clean-up on the former Fort Ord.

Environmental Review Compliance: None required.

Financial Impact: Yes No **Funding Source/Recap:** None

Other Consideration: None.

Material Included for Information/Consideration: Copy of presentation.

Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



**Former Fort Ord
Monterey County
California**

Per- and Polyfluoroalkyl Substances (PFAS)
February 2022

Derek S. Lieberman, P.E.

Ahtna

PFAS Background

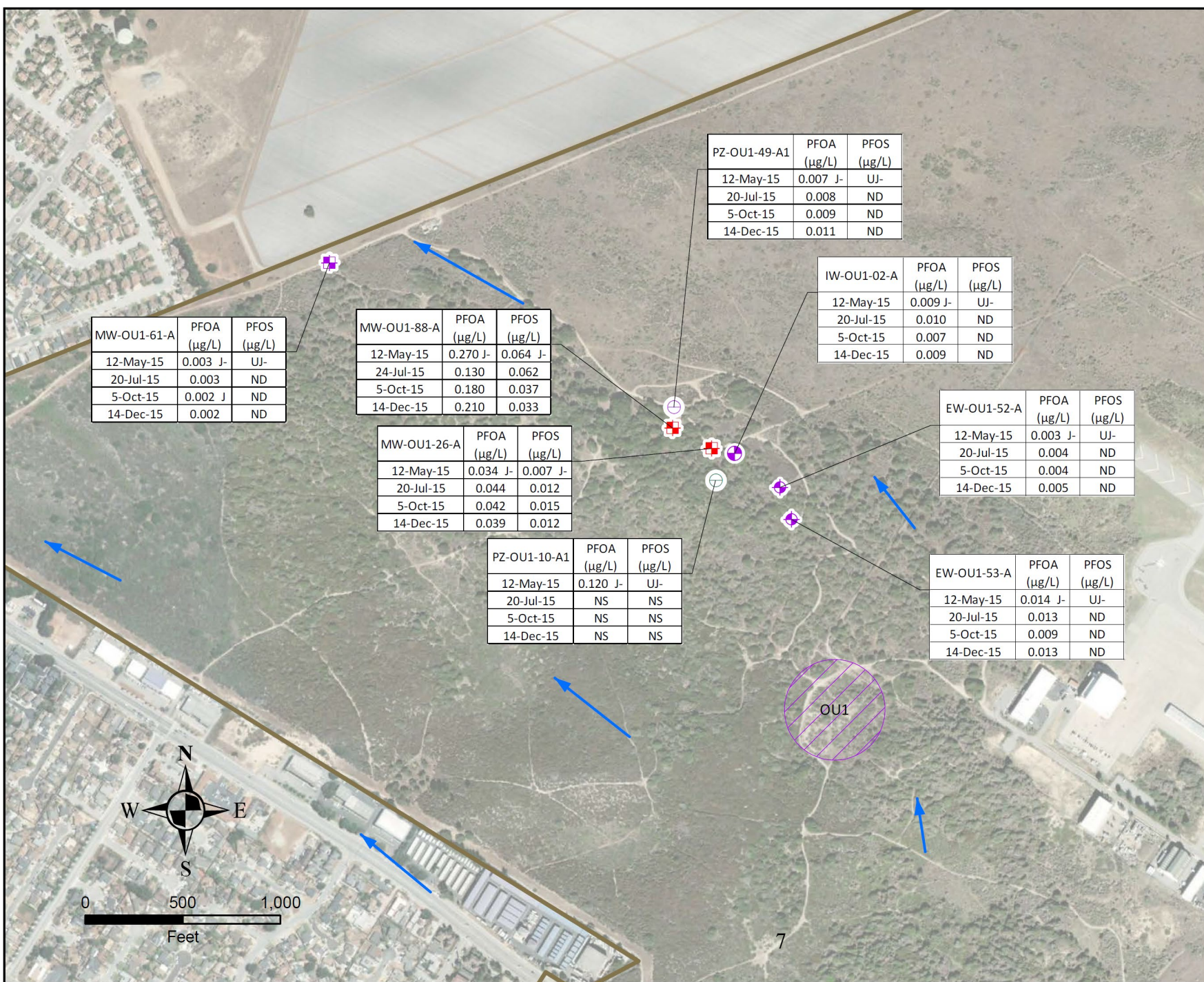
- Resistant to heat, water, and oil originally developed in the 1930s.
- Included in many consumer and industrial products by the 1950s
- 1970s – DoD began using Aqueous Film-Forming Foam (AFFF) that contained PFAS because it quickly extinguishes petroleum-based fires.
- Found in people, the environment, and wildlife and do not break down easily.
- Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) – historically the most widely-used throughout the United States.
- 2016 – USEPA established lifetime health advisory levels for PFOS and PFOA in drinking water <https://www.epa.gov/ground-water-and-drinking-water/drinking-water-health-advisories-pfoa-and-pfos>.



Army PFAS Investigations at the former Fort Ord

The Army conducted investigations to assess for the presence of PFOA and PFOS in groundwater at Operable Unit 1 (OU1) and Operable Unit 2 (OU2).

- OU1 includes former Fire Drill Area operated from the 1960s to the 1980s where AFFF was used by the fire department during training exercises.
 - Four groundwater monitoring events for PFOA/PFOS completed in 2015 at eight wells.
 - Concentrations of PFOA exceeded USEPA health advisory level at two of the eight wells sampled.
- OU2 includes a landfill operated from the 1950s to the 1980s and may have received waste materials containing PFAS.
 - One groundwater monitoring event for PFOA/PFOS completed in 2019 at twelve wells.
 - Concentrations of PFOA and PFOS exceeded USEPA health advisory level at one of the twelve wells sampled.



MW-OU1-61-A	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.003 J-	UJ-
20-Jul-15	0.003	ND
5-Oct-15	0.002 J	ND
14-Dec-15	0.002	ND

MW-OU1-88-A	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.270 J-	0.064 J-
24-Jul-15	0.130	0.062
5-Oct-15	0.180	0.037
14-Dec-15	0.210	0.033

MW-OU1-26-A	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.034 J-	0.007 J-
20-Jul-15	0.044	0.012
5-Oct-15	0.042	0.015
14-Dec-15	0.039	0.012

PZ-OU1-10-A1	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.120 J-	UJ-
20-Jul-15	NS	NS
5-Oct-15	NS	NS
14-Dec-15	NS	NS

PZ-OU1-49-A1	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.007 J-	UJ-
20-Jul-15	0.008	ND
5-Oct-15	0.009	ND
14-Dec-15	0.011	ND

IW-OU1-02-A	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.009 J-	UJ-
20-Jul-15	0.010	ND
5-Oct-15	0.007	ND
14-Dec-15	0.009	ND

EW-OU1-52-A	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.003 J-	UJ-
20-Jul-15	0.004	ND
5-Oct-15	0.004	ND
14-Dec-15	0.005	ND

EW-OU1-53-A	PFOA (µg/L)	PFOS (µg/L)
12-May-15	0.014 J-	UJ-
20-Jul-15	0.013	ND
5-Oct-15	0.009	ND
14-Dec-15	0.013	ND

EXPLANATION

- Secondary Assessment Sites
- General Groundwater Flow Direction, A-Aquifer*
- Former Fort Ord Boundary

Well type & detected concentrations in µg/L of PFOA or PFOS

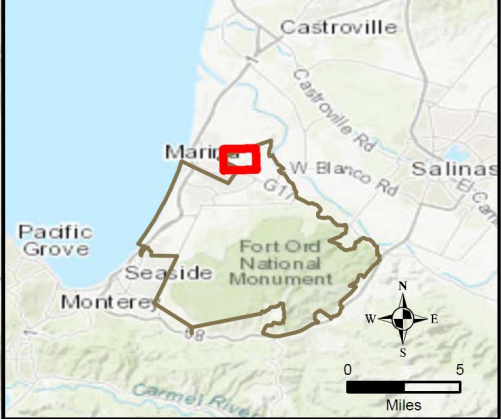
- Monitoring Well: Concentration above USEPA health advisory level and DoD screening level
- Piezometer: Concentration above USEPA health advisory level and below DoD Screening level

Concentrations below USEPA health advisory level and DoD screening level

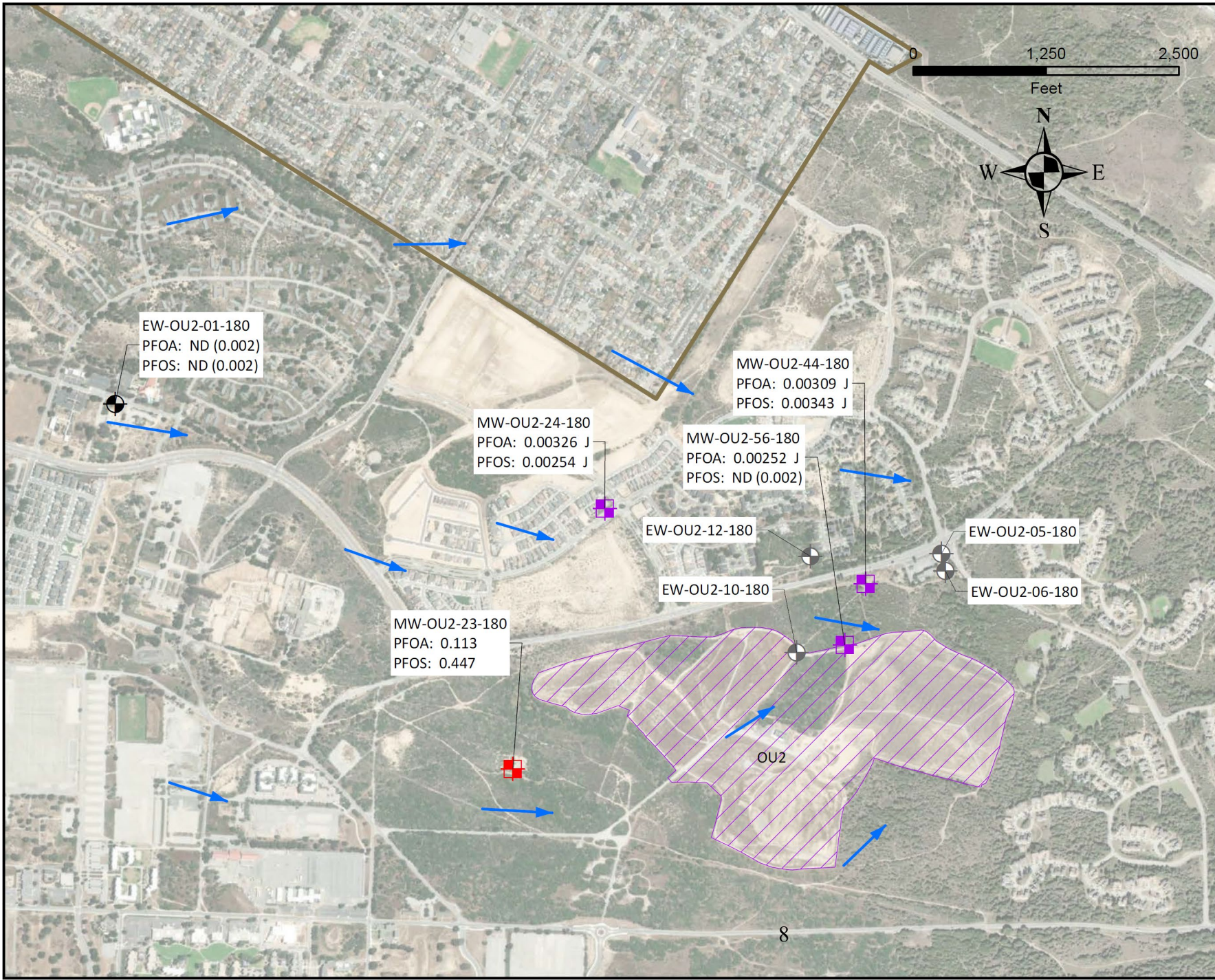
- Monitoring Well
- Extraction Well
- Injection Well
- Piezometer

NOTES:

*Fourth Quarter 2019 - Third Quarter 2020 OU2 Remedy Monitoring and Operations and Maintenance (Ahtna, 2021)
 OU1 = Operable Unit 1
 PFOA (perfluorooctanoic acid)
 PFOS (Perfluorooctane sulfonate)
 The USEPA lifetime health advisory (HA) levels for PFOA and PFOS in drinking water are 0.07 micrograms per liter (µg/L). When both PFOA and PFOS are detected, the combined concentrations of PFOA and PFOS are compared with the 0.07 µg/L HA level (USEPA, 2016).
 The DoD tap water screening levels for PFOA and PFOS are 0.40 µg/L; however, if multiple PFAS are encountered at a site, a 0.1 factor is applied and the screening levels for PFOA and PFOS individually are 0.04 µg/L.



GROUNDWATER MONITORING ANALYTICAL RESULTS AT OU1
 A-AQUIFER, 2015
 PFAS PA Narrative Report
 Former Fort Ord, California



EW-OU2-01-180
PFOA: ND (0.002)
PFOS: ND (0.002)

MW-OU2-24-180
PFOA: 0.00326 J
PFOS: 0.00254 J

MW-OU2-44-180
PFOA: 0.00309 J
PFOS: 0.00343 J

MW-OU2-56-180
PFOA: 0.00252 J
PFOS: ND (0.002)

MW-OU2-23-180
PFOA: 0.113
PFOS: 0.447

EW-OU2-12-180

EW-OU2-10-180

EW-OU2-05-180

EW-OU2-06-180

OU2

EXPLANATION

- Secondary Assessment Sites
- General Groundwater Flow Direction, Upper 180-Foot Aquifer*
- Former Fort Ord Boundary

Well Type and PFOA/PFOS results in µg/L

- Monitoring Well - detected concentrations of PFOA or PFOS are below USEPA health advisory level and DoD screening level
- Monitoring Well - detected concentrations of PFOA or PFOS are above USEPA health advisory and above DoD screening level
- Extraction Well - PFOA and PFOS not detected
- Extraction Well - PFOA and PFOS not sampled

NOTES:

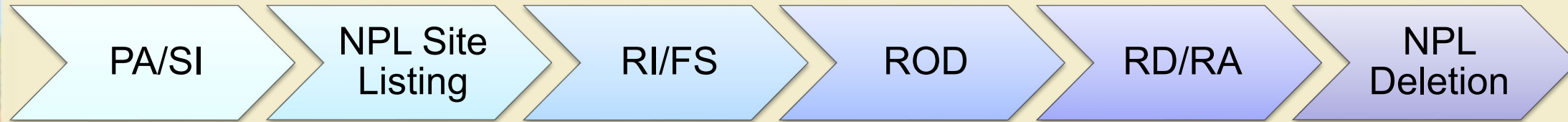
*Fourth Quarter 2019 - Third Quarter 2020 OU2 Remedy Monitoring and Operations and Maintenance (Ahtna, 2021)
 OU2 = Operable Unit 2
 PFOA (perfluorooctanoic acid)
 PFOS (Perfluorooctane sulfonate)
 The USEPA lifetime health advisory (HA) levels for PFOA and PFOS in drinking water are 0.07 micrograms per liter (µg/L).
 When both PFOA and PFOS are detected, the combined concentrations of PFOA and PFOS are compared with the 0.07 µg/L HA level (USEPA, 2016).
 The DoD tap water screening levels for PFOA and PFOS are 0.40 µg/L; however, if multiple PFAS are encountered at a site, a 0.1 factor is applied and the screening levels for PFOA and PFOS individually are 0.04 µg/L.

GROUNDWATER MONITORING
ANALYTICAL RESULTS AT OU2
UPPER 180-FOOT AQUIFER, 2019
PFAS PA Narrative Report
Former Fort Ord, California

	Date: 6/7/2021	Figure: 22
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PFAS Preliminary Assessment/Site Inspection (PA/SI) at the former Fort Ord

The Army follows the CERCLA (Superfund) process to fully investigate releases, prioritize responses, and determine appropriate cleanup actions based on risk.

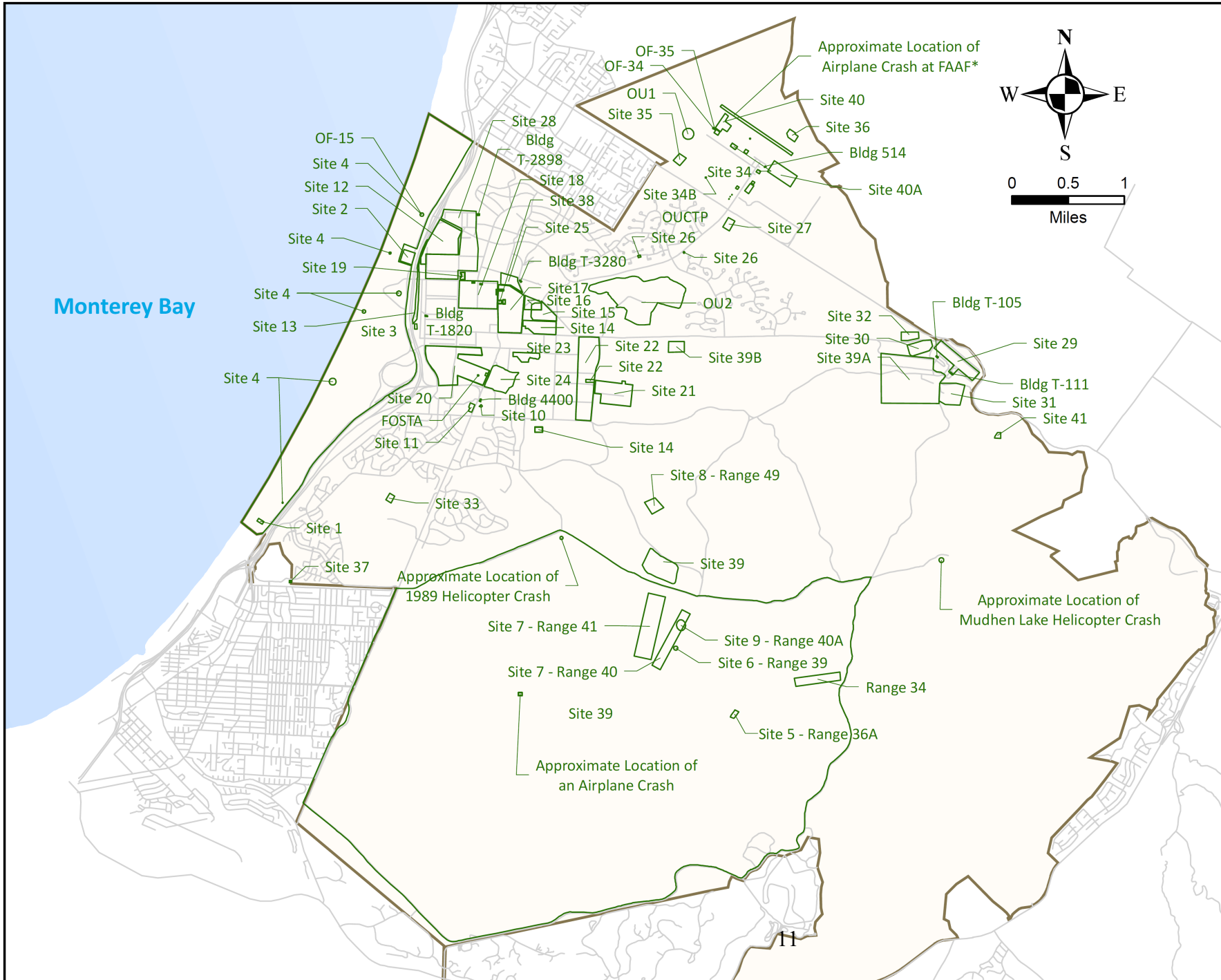


- In 2021, the Army reviewed historical activities at former Fort Ord sites for potential releases of PFAS in a PA.
- Draft PA Narrative Report available at https://docs.fortordcleanup.com/ar_pdfs/AR-BW-2904//BW-2904.pdf.
- Results indicate limited historical use of PFAS-containing material.
- Further investigation in an SI is recommended for six sites.

PFAS PA Site Assessment Process

PA Primary Assessment: review of historical records to determine if uses listed below occurred while Fort Ord was still an active Army facility; 103 sites were evaluated.

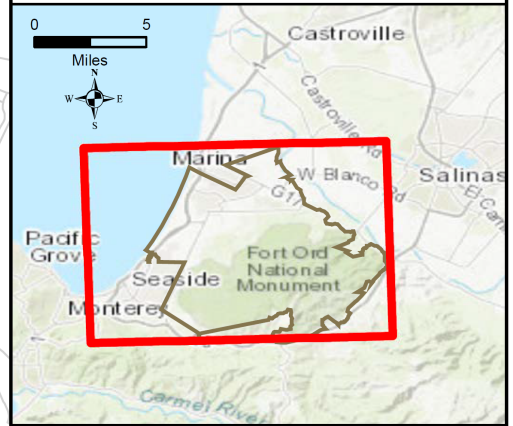
- Fire training areas (FTAs)
- AFFF storage locations (e.g., fire stations)
- Aircraft crash sites where AFFF may have been applied for fire control
- Aviation hangars and other buildings or fuel storage areas where AFFF was used in the fire suppression system and where a release may have occurred
- Other aviation assets (runways, fuel farms, defueling areas) where fuel- or petroleum-based fires may have occurred and AFFF may have been applied
- Landfills and waste disposal areas where PFAS-containing materials may have been disposed
- Wastewater treatment plants that may have received liquid effluents from facilities that used or disposed of PFAS
- AFFF firefighting equipment testing and washout discharge locations



EXPLANATION

- Primary Assessment Site
- Roads
- Former Fort Ord Boundary

NOTES:
 * FAAF = former Fritzsche Army Airfield (Marina Municipal Airport)
 OU1 = Operable Unit 1
 OU2 = Operable Unit 2
 FOSTA = Fort Ord Soil Treatment Area

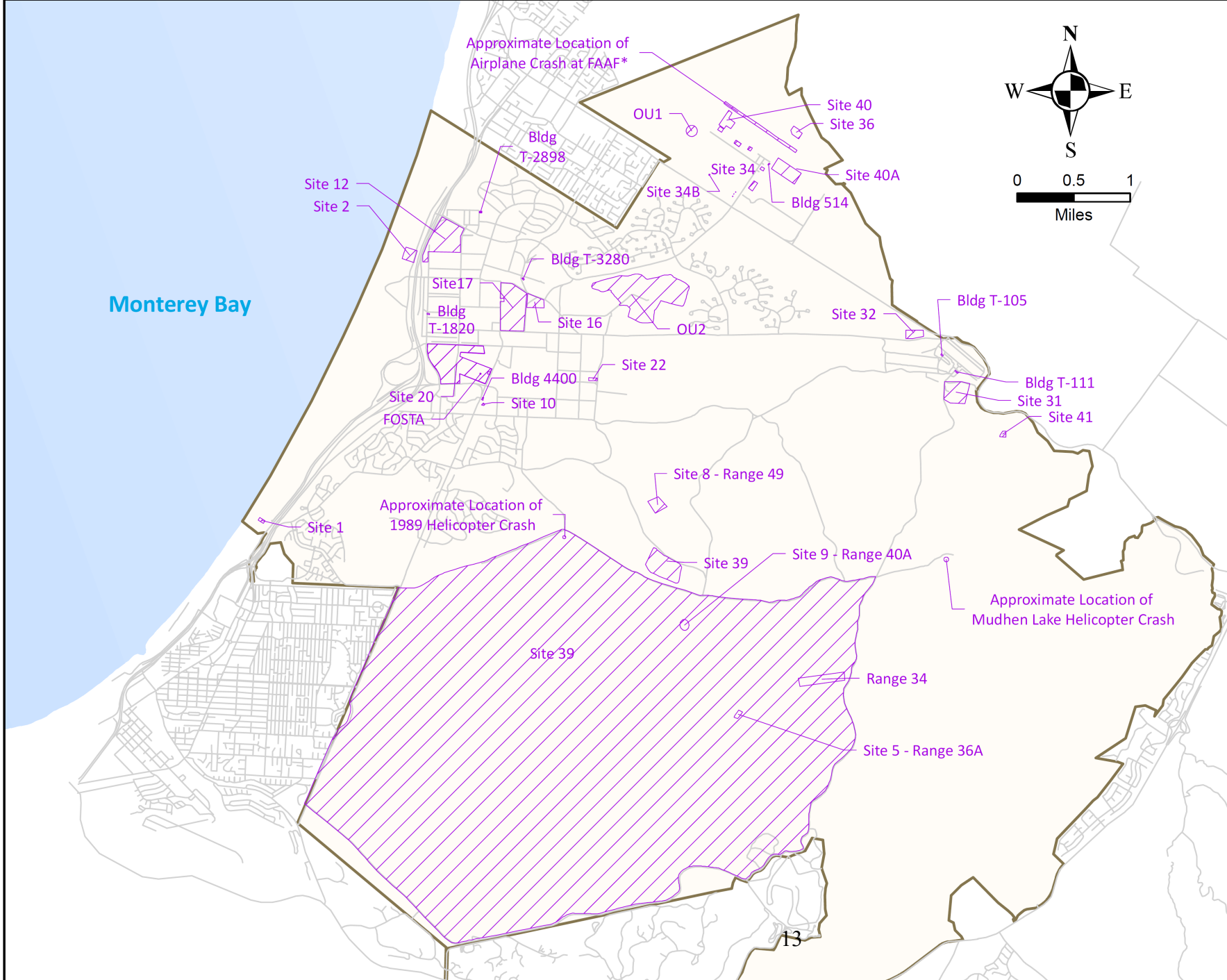


PRIMARY ASSESSMENT SITES
 PFAS PA Narrative Report
 Former Fort Ord, California

PFAS PA/SI at the former Fort Ord

Secondary Assessment:

- 39 sites advanced to secondary assessment.
- Secondary records review.
- Site reconnaissance.
- Interviews with personnel either currently or formerly employed at Fort Ord.
- Evaluated to determine if a release of PFAS at the site was probable.

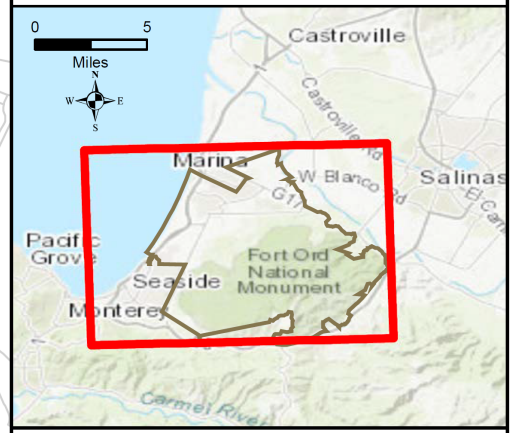


EXPLANATION

- Secondary Assessment Site
- Former Fort Ord Boundary
- Roads

NOTES:
 * FAAF = former Fritzsche Army Airfield (Marina Municipal Airport)

OU1 = Operable Unit 1
 OU2 = Operable Unit 2
 FOSTA = Fort Ord Soil Treatment Area



SECONDARY ASSESSMENT SITES
 PFAS PA Narrative Report
 Former Fort Ord, California

PFAS PA/SI at the former Fort Ord

PA Tertiary Assessment:

Six sites advanced to tertiary assessment to determine:

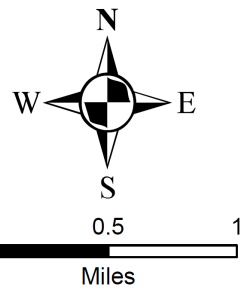
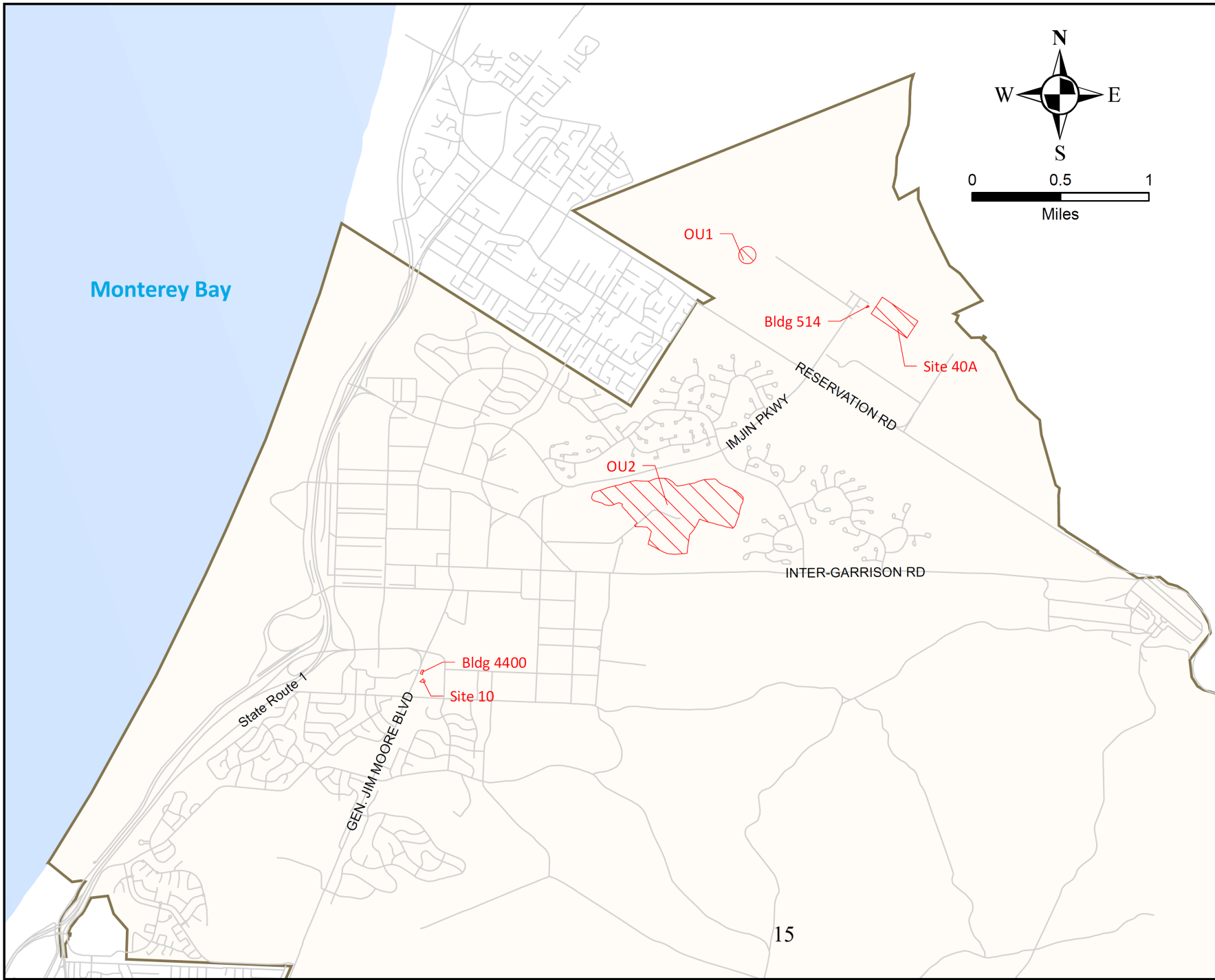
- Geology, hydrogeology, hydrology, and soil settings at each site
- Residential, commercial, and industrial populations on or near each site
- Private and municipal drinking water wells on or near each site
- Groundwater use on or near each site
- Fisheries and sensitive environments downstream of each site

Information used to develop a pathway and target assessment for each site.

- Pathway: the environmental medium through which a hazardous substance may threaten targets.
- Target: a physical or environmental receptor that is within the target distance limit for a particular pathway.

Marina Coast Water District supplies drinking water to the former Fort Ord and tests regularly – drinking water meets all state and federal requirements. Consumer confidence reports are available at:

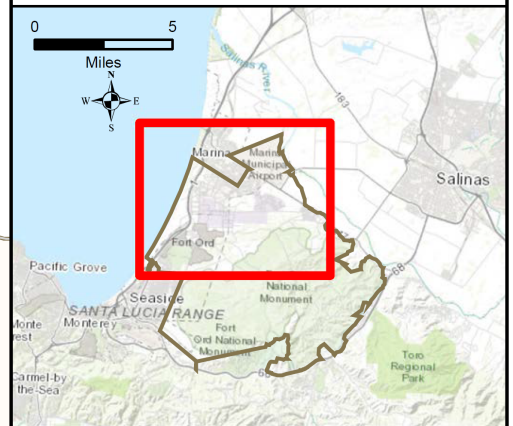
https://www.mcwd.org/docs/ccr/mcwd_ccr_2020_rev_English_Final.pdf



EXPLANATION

- Tertiary Assessment Sites
- Former Fort Ord Boundary
- Roads

NOTES:
 OU1 = Operable Unit 1
 OU2 = Operable Unit 2



TERTIARY ASSESSMENT SITES
 PFAS PA Narrative Report
 Former Fort Ord, California

PFAS PA Tertiary Assessment

Site 10, Former Burn Pit

- Former FTA
- Historical use of AFFF for training and demonstration purposes
- Potential adverse effects on groundwater and drinking water supply



PFAS PA Tertiary Assessment

Site 40A, East FAAF Helicopter Defueling Area

- Former aviation asset
- Use of AFFF during a response to a fuel spill may have adversely affected soil and groundwater
- No pathway to drinking water supply



Drainage swale north of Site 40A

PFAS PA Tertiary Assessment

Building 514, FAAF Fire & Rescue Station

- Fire station
- Discharge of old or expired AFFF may have adversely affected soil and groundwater
- No pathway to drinking water supply



PFAS PA Tertiary Assessment

Building 4400, Main Garrison Fire Station

- Fire station
- Discharge of old or expired AFFF may have adversely affected soil and groundwater
- Potential pathway to drinking water supply



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Building 4401 Hose Tower



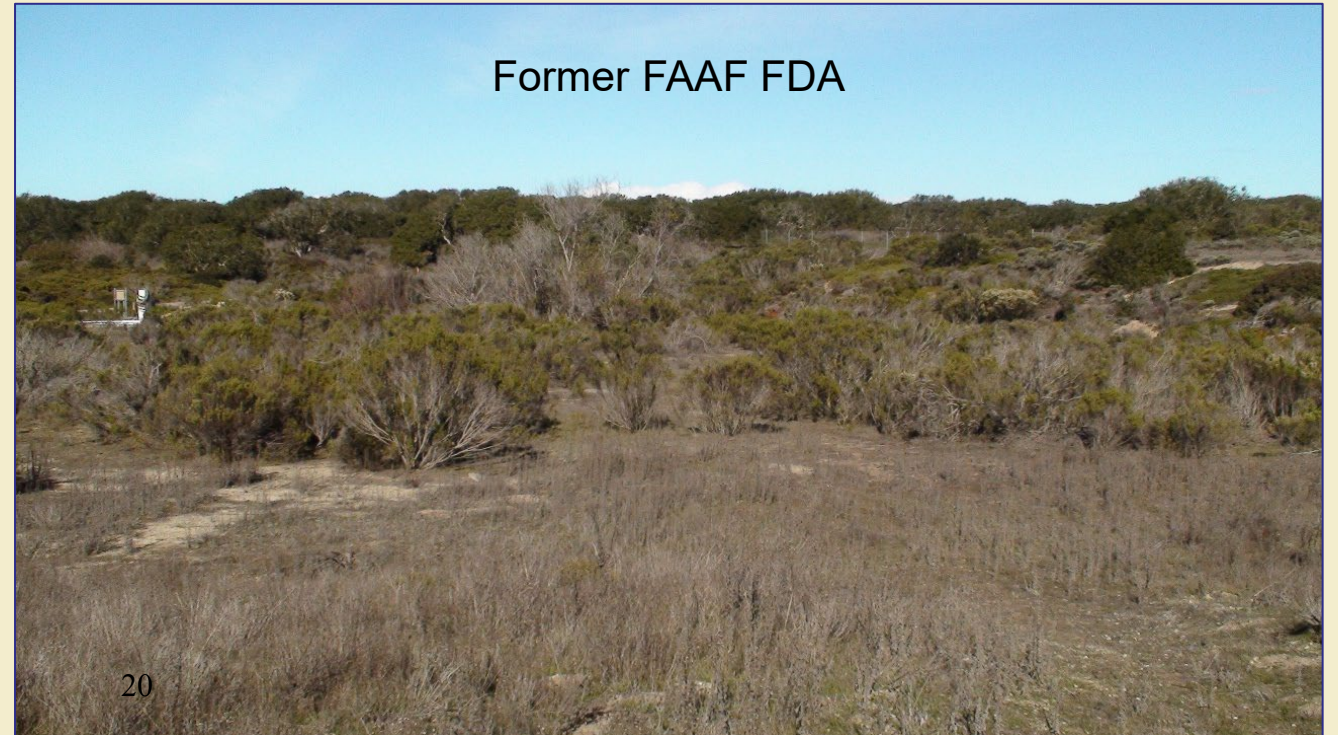
AFFF discharge area south of Fire Station

16

PFAS PA Tertiary Assessment

FAAF Fire Drill Area

- Former FTA
- Historical use of AFFF for training purposes
- Potential adverse effects on groundwater
- No pathway to drinking water supply



PFAS PA Tertiary Assessment

Operable Unit 2

- Landfill
- Use of AFFF during responses to landfill fires and disposal of waste containing PFAS
- Potential adverse effects on groundwater and drinking water supply



For Additional Information

Visit the Army's website at:
www.fortordcleanup.com

Visit the Fort Ord Administrative Record at:
Building 4463 Gigling Road, Room 101
Ord Military Community
Seaside CA 93955
(831) 393-9693
adminrecord@fortordcleanup.com

Visit the MCWD website at:
www.mcwd.org

2020 Consumer Confidence Report is available at:
https://www.mcwd.org/docs/ccr/mcwd_ccr_2020_rev_English_Final.pdf

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 8-C

Meeting Date: February 22, 2022

Prepared By: Kelly Cadiente

Approved By: Remleh Scherzinger

Agenda Title: Recycled Water Rate Study Workshop #2

Staff Recommendation: The Board of Directors receive a presentation on the draft Recycled Water Rate Study.

Background: *Strategic Plan, Goal No. 4 – To manage the District’s finances in the most effective and fiscally responsible manner.*

On August 13, 2020, the District issued a Request for Proposals (RFP) for a recycled water rate study in preparation for the sale of recycled water upon completion of the Regional Urban Water Augmentation Project. In September 2020, the Board adopted Resolution No. 2020-61 awarding the contract to Raftelis Financial Consultants, Inc.

Discussion/Analysis: On January 19, 2022, Kevin Kostiuk from Raftelis gave a presentation to the Board of the rate study overview, the recycled water costs that the rates would cover, and the next steps in the process. This evening, Mr. Kostiuk’s presentation will provide a review of recycled water costs, the proposed financial plan for the recycled water system as well as the proposed rates.

Environmental Review Compliance: None.

Financial Impact: ___ Yes ___ X No **Funding Source/Recap:** None.

Material Included for Information/Consideration: PowerPoint Presentation of the Draft Recycled Water Rate Study to be provided separately.

Action Required: ___ Resolution ___ Motion ___ Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9

Meeting Date: February 22, 2022

Prepared By: Paula Riso

Approved By: Remleh Scherzinger

Agenda Title: Consent Calendar

Staff Recommendation: The Board of Directors approve the Consent Calendar as presented.

Background: *Strategic Plan Mission Statement – We provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Consent calendar consisting of:

- A) Receive and File the Check Register for the Month of January 2022
- B) Receive the Quarterly Financial Statements for October 1, 2021 to December 31, 2021
- C) Approve the Draft Minutes of the Regular Joint Board/GSA Meeting of January 19, 2022
- D) Approve the Draft Minutes of the Special Joint Board/GSA Meeting of February 1, 2022
- E) Receive the District FY2022-2023 Budget Schedule and Set the FY 2022-2023 Budget Workshop Date
- F) Receive the 2021 Year in Review Report
- G) Adopt Resolution No. 2022-05 to Approve the Sanitary Sewer Management Plan
- H) Receive an Update on the Fiscal Impacts to the District due to Covid-19
- I) Adopt Resolution No. 2022-06 to Proclaim a Local Emergency, and Authorize Remote Teleconference Meetings of All District Legislative Bodies for the Following 30 Days
- J) Adopt Resolution No. 2022-GSA02 to Amend the Professional Services Agreement with EKI Environment & Water

Discussion/Analysis: See individual transmittals.

Environmental Review Compliance: None required.

Other Considerations: The Board of Directors can approve these items together or they can pull them separately for discussion.

Material Included for Information/Consideration: Check Register for January 2022; quarterly financial statements for October 1, 2021 to December 31, 2021; draft minutes of January 19, 2022; draft minutes of February 1, 2021; FY 2022-2023 Budget Schedule; 2021 Year in Review; Resolution No. 2022-05; the Sanitary Sewer Management Plan; Covid Fiscal Impact Graphs; Resolution No. 2022-06; Resolution No.2022-GSA02; and, EKI Scope of Work.

Action Required: _____Resolution ___X___Motion _____Review
(Roll call vote is required.)

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____

Abstained _____

Noes _____

Absent _____

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-A

Meeting Date: February 22, 2022

Prepared By: Kelly Cadiente

Approved By: Remleh Scherzinger

Agenda Title: Receive and File the Check Register for the Month of January 2022

Staff Recommendation: The Board of Directors receive and file the January 2022 expenditures totaling \$1,206,138.43.

Background: *Strategic Plan, Objective No. 3 – Our objective is to manage public funds to assure financial stability, prudent rate management and demonstrate responsible stewardship. Our fiscal strategy is to forecast, control and optimize income and expenditures in an open and transparent manner. We will efficiently use our financial resources to assure availability to fund current and future demands.*

Discussion/Analysis: These expenditures were paid in January 2022 and the Board is requested to receive and file the check register.

Environmental Review Compliance: None required.

Financial Impact: ____ Yes X No **Funding Source/Recap:** Expenditures are allocated across the six cost centers; 01-Marina Water, 02-Marina Sewer, 03- Ord Water, 04- Ord Sewer, 05-Recycled Water, 06-Regional Water.

Other Consideration: None.

Material Included for Information/Consideration: January 2022 Summary Check Register.

Action Required: ____ Resolution X Motion ____ Review
(Roll call vote is required.)

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

January 2022 SUMMARY CHECK REGISTER

DATE	CHECK #	CHECK DESCRIPTION	AMOUNT
01/06/2022	Wire	Friedman & Springwater LLP	78,065.00
01/06/2022	71596 - 71616	Check Register	77,452.97
01/19/2022	Wire	Santa Cruz County Bank	118,694.06
01/20/2022	71617 - 71662	Check Register	237,833.97
01/31/2022	ACH	Friedman & Springwater LLP	83,416.35
01/31/2022	71663 - 71692	Check Register	98,069.22
01/07/2022	ACH	CalPERS	25,336.81
01/07/2022	ACH	Internal Revenue Service	46,920.35
01/07/2022	ACH	MassMutual Retirement Services, LLC	19,900.59
01/07/2022	ACH	State of California - EDD	16,779.65
01/07/2022	ACH	WageWorks, Inc.	780.45
01/07/2022	501302 - 501304	Payroll Checks and Direct Deposit	109,643.37
01/07/2022	501305	Check Register	599.00
01/19/2022	501306 - 501311	Check Register	82,062.68
01/21/2022	ACH	CalPERS	23,579.92
01/21/2022	ACH	Internal Revenue Service	45,450.35
01/21/2022	ACH	MassMutual Retirement Services, LLC	18,680.75
01/21/2022	ACH	State of California - EDD	12,654.55
01/21/2022	ACH	WageWorks, Inc.	780.45
01/21/2022	501312 - 501315	Payroll Checks and Direct Deposit	108,522.90
01/28/2022	ACH	Internal Revenue Service	130.08
01/28/2022	501316	Board Compensation Checks and Direct Deposit	784.96
TOTAL DISBURSEMENTS			<u>1,206,138.43</u>

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
Wire	12/06/2021	01/06/2022	Friedman & Springwater LLP	Legal Services 11/2021	78,065.00
71596	12/15/2021	01/06/2022	Carlons Fire Extinguisher	First Aid Supplies	158.14
71597	12/17/2021	01/06/2022	Monterey Peninsula Unified School District	Water Conservation Education 11/2021	4,960.13
71598	12/14/2021	01/06/2022	Monterey Bay Analytical Services	Laboratory Testing	300.00
71599	12/18/2021	01/06/2022	Verizon Wireless	Cell Phone Service 12/2021	1,534.79
71600	12/22/2021	01/06/2022	Orkin Franchise 925	BLM/ IOP Pest Control 12/2021	191.00
71601	12/07/2021	01/06/2022	HD Supply Facilities Maintenance LTD	General Supplies	231.57
71602	12/24/2021	01/06/2022	NEC Financial Services, Inc.	Phone Equipment Lease 12/2021	335.76
71603	11/30/2021	01/06/2022	The Paul Davis Partnership, LLP	Conceptual Design Phase - IOP	21,046.56
71604	12/07/2021	01/06/2022	Sturdy Oil Company	(275) gals Clear Diesel - Convault Tank/ O&M Yard	1,331.32
71605	12/30/2021	01/06/2022	Daiohs USA	Coffee Supplies	140.08
71606	12/16/2021	01/06/2022	Green Rubber-Kennedy AG, LP	(4) Ball Valves, Fittings - Wells 29, 30, 31	387.48
71607	12/06/2021	01/06/2022	U.S. Bank Corporate Payment Systems	Employment Advertisements (Accountant, Associate Engineer, District Engineer, System Operator I/II, Customer Service Billing Technician I); Hotel for 2021 ACWA Fall Conference - GM; Cloud Hosted Server - CityWorks/ ESRI; SCADA Internet Service; SCADA Mobile/ Laptop Hotspot; General Supplies	7,672.56
71608	12/24/2021	01/06/2022	U.S. Bank National Association	IOP Office Copier Lease 12/20 - 01/19	287.34
71609	01/03/2022	01/06/2022	Monterey Bay Technologies, Inc.	IT Support Services 01/2022	3,451.00
71610	12/22/2021	01/06/2022	ICONIX Waterworks (US), Inc.	DI Spool, Mega Flange Kit, Bolt Up Sets - Well 10; (3) Pipe Supports, Gate Valve - Marina Booster; 16" Butterfly Valve; General Supplies	6,291.70
71611	09/29/2021	01/06/2022	Association of California Water Agencies	2022 Annual Agency Dues	23,705.00
71612	12/31/2021	01/06/2022	Iron Mountain, Inc.	Shredding Service 12/2021	209.58
71613	12/28/2021	01/06/2022	AT&T	Phone and Alarm Line Services 12/2021	218.96
71614	01/01/2022	01/06/2022	Pure Janitorial, LLC	Janitorial Service - MCWD, BLM Offices 12/2021	4,700.00
71615	12/16/2021	01/06/2022	Conservation Rebate Program	3137 Seacrest Ave #6 - Washer Rebate	150.00
71616	12/21/2021	01/06/2022	Conservation Rebate Program	2957 Harvey Ct - Washer Rebate	150.00
Wire	12/06/2021	01/19/2022	Santa Cruz County Bank	BLM Construction Loan Payment	118,694.06
71617	12/13/2021	01/20/2022	Quinn Company	Oil Pan Leak Repair - Skid Steer	1,285.63
71618	01/03/2022	01/20/2022	Monterey Peninsula Unified School District	Water Conservation Education 12/2021	5,014.06
71619	12/31/2021	01/20/2022	Insight Planners	Web Development/ Maintenance and Hosting 12/2021	2,019.00
71620	01/05/2022	01/20/2022	Pitney Bowes (Lease)	Postage Machine Lease 11/09 - 02/08	698.89
71621	12/28/2021	01/20/2022	Grainger	General Supplies	236.56
71622	01/11/2022	01/20/2022	Area Communications	Answering Service 12/15 - 01/11	168.95

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
71623	11/30/2021	01/20/2022	Schaaf & Wheeler	Construction Meetings, Respond to RFI's, Review Submittals - Ord Village LS FM Improvements; Site Walk, Respond to RFI's - Gigling LS FM; Review Submittals, Respond to RFI's - Intermediate Reservoir Recoating; Construction Phase - A1/A2 Tanks B/C Booster; Developers (Dunes 2 East, Enclave at Cypress Grove, Imjin Parkway Landscape)	25,163.19
71624	01/07/2022	01/20/2022	Pitney Bowes Purchase Power (Postage)	Postage Meter Refill	1,026.99
71625	12/28/2021	01/20/2022	Monterey Bay Analytical Services	Laboratory Testing	600.00
71626	01/05/2022	01/20/2022	Staples Credit Plan	Office Supplies	576.93
71627	01/01/2022	01/20/2022	Maynard Group	AT&T Wireless Backup, eMVS Cloud, VoIP Services, NEC Phone Equipment Maintenance, General Services 01/2022	3,826.64
71628	12/28/2021	01/20/2022	HD Supply Facilities Maintenance LTD	(2) Hydrant Relief Valves	3,509.14
71629	12/17/2021	01/20/2022	Core & Main LP	3" Octave Meter - Central Coast HS; 8" Octave Meter - Commissary; Ductile Iron Pipe - Well 10	7,157.68
71630	12/31/2021	01/20/2022	DataProse, LLC	Customer Billing Statements 12/2021	4,727.98
71631	12/05/2021	01/20/2022	American Supply Company	Janitorial Supplies	122.74
71632	12/28/2021	01/20/2022	M&M Backflow & Meter Maintenance	Large Meter Field Test	3,900.00
71633	12/28/2021	01/20/2022	O'Reilly Automotive Stores, Inc.	Auto/ General Supplies	218.40
71634	01/20/2022	01/20/2022	Imjin Office Park Owners Association	2022 Association Fees - IOP/ BLM Offices	20,000.00
71635	12/23/2021	01/20/2022	BHI Management Consulting	Strategic Planning Preparation/ Workshop	8,775.00
71636	12/16/2021	01/20/2022	Univar Solutions USA, Inc.	(1,395) gals Chlorine - Wells 10, 11	3,456.94
71637	12/08/2021	01/20/2022	Central Welding and Fabrication LLC	Ladder Cover Installation - Hoffman Tank	1,414.49
71638	12/03/2021	01/20/2022	Della Mora Heating, Sheet Metal & Air Conditioning	Flame Sensor Cleaning - Ord Office	185.00
71639	12/13/2021	01/20/2022	Bereman Carpets, Inc.	Carpet Installation - Beach Office	4,282.60
71640	12/22/2021	01/20/2022	Mid-State Fleet Repair	PSIP - Vehicle #1102	65.00
71641	12/08/2021	01/20/2022	Remy Moose Manley, LLP	Legal Services 11/2021	41,433.00
71642	01/01/2022	01/20/2022	California Water Efficiency Partnership	2022 CalWEP and AWE Dues	3,385.20
71643	12/22/2021	01/20/2022	Eurofins Eaton Analytical, LLC	Laboratory Testing	410.00
71644	12/09/2021	01/20/2022	Griffith, Masuda & Hobbs	Legal Services 11/2021	14,996.00
71645	01/10/2022	01/20/2022	WageWorks, Inc.	FSA Compliance Fees 12/2021	50.00
71646	12/31/2021	01/20/2022	Access Monterey Peninsula, Inc.	Filming and Production 12/2021	460.00
71647	12/17/2021	01/20/2022	Evoqua Water Technologies, LLC	(3,395) gals Bioxide - East Garrison LS	12,610.74
71648	12/21/2021	01/20/2022	Lou's Gloves, Inc.	Nitrile Gloves	1,536.00
71649	12/31/2021	01/20/2022	Peninsula Messenger LLC	Courier Service 01/2022	175.00
71650	12/23/2021	01/20/2022	Western Exterminator Company	Pest Control - Beach Office 12/2021	97.91
71651	01/06/2022	01/20/2022	TIAA, FSB	Ord Office Copier, eCopy ScanStation Leases 01/2022	422.04
71652	01/01/2022	01/20/2022	Simpler Systems, Inc.	UB Datapp Maintenance 01/2022	500.00
71653	12/31/2021	01/20/2022	Marina Coast Water District (BLM)	BLM, Water, Sewer, Fire Service 12/2021	372.75
71654	12/17/2021	01/20/2022	EKI Environment & Water, Inc.	Monterey Subbasin Groundwater Sustainability Plan Prop 68, Groundwater Sustainability Planning Study	45,022.40

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
71655	12/31/2021	01/20/2022	Cintas Corporation No. 630	Uniforms, Towels, Rugs 12/2021	1,853.67
71656	12/25/2021	01/20/2022	WEX Bank	Fleet Gasoline 12/2021	4,579.02
71657	01/03/2022	01/20/2022	Conservation Rebate Program	3083 Crescent Ave - Toilet Rebate	75.00
71658	12/31/2021	01/20/2022	Local Government Commission	MCWD CAP Research/ Planning, Data Analysis/ GHG Inventory 12/2021	2,636.36
71659	11/28/2021	01/20/2022	American Water Works Association	Standards Update Service 03/2022 - 02/2023	875.00
71660	12/08/2021	01/20/2022	Ferguson Enterprises LLC #3326	(2) Debris Baskets with Rope - Vactor	565.69
71661	12/16/2021	01/20/2022	Bartle Wells Associates	Capacity Fee Study 11/2021	6,569.00
71662	01/01/2022	01/20/2022	Greenwaste Recovery, Inc.	Garbage Collection & Recycling Services 01/2022	777.38
ACH	12/06/2021	01/31/2022	Friedman & Springwater LLP	Legal Services 12/2021	83,416.35
71663	12/31/2021	01/31/2022	Ace Hardware of Watsonville, Inc.	General Supplies	530.45
71664	01/05/2022	01/31/2022	PG&E	Gas and Electric Service 12/2021	64,275.12
71665	01/04/2022	01/31/2022	Grainger	PVC Heater/ Bender	859.36
71666	12/31/2021	01/31/2022	Peninsula Welding & Medical Supply, Inc.	Gas Cylinder Tank Rental Fee - Welding Supplies, Nitrogen UHP Gas Tank - Annual Lease	111.90
71667	12/31/2021	01/31/2022	Monterey Newspapers Partnership	Notice of Public Hearing - GSA	563.19
71668	01/19/2022	01/31/2022	Monterey Bay Analytical Services	Laboratory Testing	2,674.00
71669	01/18/2022	01/31/2022	Verizon Wireless	Cell Phone Service 01/2022	1,452.83
71670	01/05/2022	01/31/2022	HD Supply Facilities Maintenance LTD	General Supplies	60.81
71671	01/22/2022	01/31/2022	NEC Financial Services, Inc.	Phone Equipment Lease 01/2022	335.76
71672	01/06/2022	01/31/2022	Carollo Engineers, Inc.	Construction Meetings, Submittal Review, Project Administration - RUWAP	8,404.40
71673	12/31/2021	01/31/2022	Star Sanitation LLC	Mobile Restroom Rental - Beach Office	92.06
71674	12/31/2021	01/31/2022	ECAM Secure	Monthly Security Fees - Ord Wastewater Treatment Facility	1,218.50
71675	12/28/2021	01/31/2022	Green Rubber-Kennedy AG, LP	General Supplies	190.95
71676	01/06/2022	01/31/2022	U.S. Bank Corporate Payment Systems	Employment Advertisements (Associate Engineer, District Engineer); Hotel for Cross-Connection Training - Lead Operator; ACFR Application Fee; Generator Permit - Ord Village LS; Cloud Hosted Server - CityWorks/ ESRI; SCADA Internet Service; SCADA Mobile/ Laptop Hotspot; General Supplies	2,817.19
71677	01/14/2022	01/31/2022	U.S. Bank National Association	Beach Office Copier Lease 01/10 - 02/09	275.32
71678	01/21/2022	01/31/2022	Eurofins Eaton Analytical, LLC	Laboratory Testing	2,205.00
71679	12/31/2021	01/31/2022	The Pun Group, LLP	2021 Audit - Final Billing	4,000.00
71680	12/31/2021	01/31/2022	Evoqua Water Technologies, LLC	Hydrogen Sulfide Monitoring - East Garrison LS	1,635.49
71681	01/13/2022	01/31/2022	Security Shoring & Steel Plates, Inc.	(2) Sewer Plugs, (2) Rope Hoses	3,848.92
71682	01/01/2022	01/31/2022	Verizon Connect NWF, Inc.	GPS Service - (2) Meter Reader Trucks 12/2021	38.00
71683	01/03/2022	01/31/2022	Ferguson Enterprises, Inc.	General Supplies	39.47
71684	01/06/2022	01/31/2022	Conservation Rebate Program	5000 Beach Wood Dr - Washer Rebate	150.00
71685	01/03/2022	01/31/2022	Conservation Rebate Program	178 Linde Cir - Washer Rebate	150.00
71686	01/24/2022	01/31/2022	Customer Service Refund	Refund Check - 13709 Sherman Blvd	123.38

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
71687	01/24/2022	01/31/2022	Customer Service Refund	Refund Check - 357 Ardennes Cir	35.00
71688	01/24/2022	01/31/2022	Customer Service Refund	Refund Check - 3093 Crescent Ave	16.63
71689	01/24/2022	01/31/2022	Customer Service Refund	Refund Check - 195 Debbie Rd	18.37
71690	01/24/2022	01/31/2022	Customer Service Refund	Refund Check - 15153 Breckinridge Ave	3.00
71691	01/24/2022	01/31/2022	Customer Service Refund	Refund Check - 364 Everett Dr	42.85
71692	01/24/2022	01/31/2022	Customer Service Refund	Refund Check - Hydrant Meter	1,901.27
ACH	01/07/2022	01/07/2022	CalPERS	Payroll Ending 12/31/2021	25,336.81
ACH	01/07/2022	01/07/2022	Internal Revenue Service	Payroll Ending 12/31/2021	46,920.35
ACH	01/07/2022	01/07/2022	MassMutual Retirement Services, LLC	Payroll Ending 12/31/2021	19,900.59
ACH	01/07/2022	01/07/2022	State of California - EDD	Payroll Ending 12/31/2021	16,779.65
ACH	01/07/2022	01/07/2022	WageWorks, Inc.	Payroll Ending 12/31/2021	780.45
501302 - 501304	01/07/2022	01/07/2022	Payroll Checks and Direct Deposit	Payroll Ending 12/31/2021	109,643.37
501305	01/07/2022	01/07/2022	General Teamsters Union	Payroll Ending 12/31/2021	599.00
501306	01/11/2022	01/19/2022	ACWA Joint Power Ins Authority	Workers Compensation Insurance 10/01/2021 - 12/31/2021	14,372.16
501307	01/06/2022	01/19/2022	ACWA/ JPIA	Medical, Dental, Vision, EAP Insurance 02/2022	65,228.68
501308	12/28/2021	01/19/2022	AFLAC	Employee Paid Benefits 12/2021	1,432.66
501309	01/05/2022	01/19/2022	LegalShield	Employee Paid Benefits 01/2022	25.90
501310	12/31/2021	01/19/2022	Justifacts Credential Verification, Inc.	Background Checks - (3) New Hires	395.28
501311	01/06/2022	01/19/2022	Boutin Jones, Inc.	Legal Services 12/2021	608.00
ACH	01/21/2022	01/21/2022	CalPERS	Payroll Ending 01/14/2022	23,579.92
ACH	01/21/2022	01/21/2022	Internal Revenue Service	Payroll Ending 01/14/2022	45,450.35
ACH	01/21/2022	01/21/2022	MassMutual Retirement Services, LLC	Payroll Ending 01/14/2022	18,680.75
ACH	01/21/2022	01/21/2022	State of California - EDD	Payroll Ending 01/14/2022	12,654.55
ACH	01/21/2022	01/21/2022	WageWorks, Inc.	Payroll Ending 01/14/2022	780.45
501312 - 501315	01/21/2022	01/21/2022	Payroll Checks and Direct Deposit	Payroll Ending 01/14/2022	108,522.90
ACH	01/28/2022	01/28/2022	Internal Revenue Service	Board Compensation 01/2022	130.08
501316	01/28/2022	01/28/2022	Board Checks and Direct Deposit	Board Compensation 01/2022	784.96

Total Disbursements for January 2022 1,206,138.43

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-B

Meeting Date: February 22, 2022

Prepared By: Kelly Cadiente

Approved By: Remleh Scherzinger

Agenda Title: Receive the Quarterly Financial Statements for October 1, 2021, to December 31, 2021

Staff Recommendation: The Board receives the Quarterly Financial Statements for October 1, 2021, to December 31, 2021.

Background: *District Strategic Plan, Strategic Element No. 3.2 – Regular Financial Updates to Policymakers and Managers.*

Discussion/Analysis: All figures reported for the quarter are based on accrual basis accounting. The District’s consolidated financial statement for the quarter includes operating revenues of \$4.319 million and expenses of \$4.050 million, resulting in a net gain from operations of \$0.269 million. The District budget projected a net gain from operations of \$0.207 million for the same period.

The difference between the actual net gain from operations for the quarter and the budgeted gain expectation is \$1.014 million due to the timing of when revenues are earned and expenses are accrued producing different results than those in which the annual budget amounts are divided evenly by quarter.

Summary of Cost Centers:

<u>Description</u>	<u>Actual Qtr</u>	<u>Budget Qtr</u>	<u>Actual FYTD</u>	<u>Budget FYTD</u>
Marina Water				
Revenue	1,071,280	1,198,478	1,921,952	2,396,957
Expenses	983,477	1,084,094	1,800,663	2,168,185
Net Gain/(Loss)	87,803	114,384	121,289	228,772
Marina Sewer				
Revenue	376,814	378,318	651,989	756,637
Expenses	213,851	241,093	368,265	482,185
Net Gain/(Loss)	162,963	137,225	283,724	274,452
Ord Community Water				
Revenue	2,024,928	2,265,183	4,473,338	4,530,367
Expenses	2,204,029	2,376,235	4,008,240	4,752,469
Net Gain/(Loss)	(179,101)	(111,052)	465,098	(222,102)
Ord Community Sewer				
Revenue	845,634	829,966	1,566,717	1,659,932
Expenses	509,497	514,210	824,464	1,028,421
Net Gain/(Loss)	336,137	315,756	742,253	631,511

Recycled Water Project				
Revenue	1	112,497	1	224,994
Expenses	<u>138,744</u>	<u>361,825</u>	<u>184,467</u>	<u>723,653</u>
Net Gain/(Loss)	(138,743)	(249,328)	(184,466)	(498,659)
Consolidated Cost Centers				
Revenue	4,318,657	4,784,442	8,613,997	9,568,887
Expenses	<u>4,049,598</u>	<u>4,577,457</u>	<u>7,186,099</u>	<u>9,154,913</u>
Net Gain/(Loss)	269,059	206,985	1,427,898	413,974

As of December 31, 2021, the District had \$22.240 million in liquid investments. The District also had \$13.049 million of 2019 Revenue Certificates of Participation Project Funds.

The District owed \$17.270 million for the 2019 Revenue Certificates of Participation, \$25.015 million for the 2015 Senior Revenue Refunding Bonds Series A as well as \$2.413 million to Holman Capital Corporation for the conversion of the Rabobank N.A. construction loan for the BLM building, and 4.838 million to PNC Bank (formerly BVAA Compass Bank) Line of Credit for the Regional Urban Water Augmentation Project as of December 31, 2021.

Environmental Review Compliance: None required.

Financial Impact: Yes No Funding Source/Recap: None

Other Considerations: None

Material Included for Information/Consideration: Quarterly Financial Statements, Investments, and Debt Summary Statements.

Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

MARINA COAST WATER DISTRICT
INCOME STATEMENT
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

CONSOLIDATED

	CURRENT QUARTER				YEAR-TO-DATE			
	2021/2022	2020/2021	\$ VARIANCE	% VARIANCE	2021/2022	2020/2021	\$ VARIANCE	% VARIANCE
REVENUES								
WATER SALES	2,947,694	3,021,415	(73,721)	(2.44%)	6,077,828	5,827,441	250,387	4.30%
SEWER SALES	1,216,233	1,129,508	86,725	7.68%	2,199,295	2,066,340	132,955	6.43%
INTEREST INCOME	11,327	28,954	(17,627)	(60.88%)	23,279	71,611	(48,332)	(67.49%)
OTHER REVENUE	143,403	122,422	20,981	17.14%	313,595	234,287	79,308	33.85%
TOTAL REVENUES	4,318,657	4,302,299	16,358	0.38%	8,613,997	8,199,679	414,318	5.05%
EXPENSES								
ADMINISTRATIVE	1,635,191	1,582,275	52,916	3.34%	3,075,801	3,282,035	(206,234)	(6.28%)
OPERATING & MAINTENANCE	1,082,912	927,233	155,679	16.79%	2,142,597	1,903,780	238,817	12.54%
LABORATORY	18,193	23,373	(5,180)	(22.16%)	39,881	41,436	(1,555)	(3.75%)
CONSERVATION	82,086	62,029	20,057	32.33%	135,894	121,603	14,291	11.75%
ENGINEERING	241,330	250,743	(9,413)	(3.75%)	416,291	501,078	(84,787)	(16.92%)
WATER RESOURCES	162,104	221,863	(59,759)	(26.94%)	434,065	464,572	(30,507)	(6.57%)
INTEREST EXPENSE	785,087	799,728	(14,641)	(1.83%)	856,398	879,563	(23,165)	(2.63%)
FRANCHISE FEE	42,695	41,002	1,693	4.13%	85,172	78,287	6,885	8.79%
TOTAL EXPENSES	4,049,598	3,908,246	141,352	3.62%	7,186,099	7,272,354	(86,255)	(1.19%)
NET GAIN (LOSS) FROM OPERATIONS	269,059	394,053	(124,994)	(31.72%)	1,427,898	927,325	500,573	53.98%
CAPACITY FEE/ CAPITAL SURCHARGE	952,092	497,858	454,234	91.24%	1,563,889	703,966	859,923	122.15%
CONTRIBUTIONS/ GRANT REVENUE	4,545	0	4,545	100.00%	222,275	0	222,275	100.00%
NON-OPERATING REVENUE	79,791	79,569	222	0.28%	157,621	157,177	444	0.28%
CAPITAL IMPROVEMENT PROJECT	5,150,772	2,277,838	2,872,934	126.13%	9,040,299	4,716,693	4,323,606	91.67%
DEVELOPER REVENUE	207,892	40,580	167,312	412.30%	592,656	104,030	488,626	469.70%
DEVELOPER EXPENSES	188,578	28,998	159,580	550.32%	537,688	85,594	452,094	528.18%

MARINA COAST WATER DISTRICT
STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

CONSOLIDATED

	MW FUND		MS FUND		OW FUND		OS FUND		RW FUND		CONSOLIDATED		CONSOLIDATED (YTD)	
	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET
REVENUES														
WATER SALES	1,033,619	1,177,988	0	0	1,914,075	2,102,001	0	0	0	112,447	2,947,694	3,392,436	6,077,828	6,784,873
SEWER SALES	0	0	374,257	374,398	0	0	841,976	820,592	0	0	1,216,233	1,194,990	2,199,295	2,389,981
INTEREST INCOME	2,186	7,050	512	3,060	6,245	18,475	2,383	6,034	1	50	11,327	34,669	23,279	69,339
OTHER REVENUE	35,475	13,440	2,045	860	104,608	144,707	1,275	3,340	0	0	143,403	162,347	313,595	324,694
TOTAL REVENUES	1,071,280	1,198,478	376,814	378,318	2,024,928	2,265,183	845,634	829,966	1	112,497	4,318,657	4,784,442	8,613,997	9,568,887
EXPENSES														
ADMINISTRATIVE	404,253	460,727	48,675	53,432	1,043,916	1,125,887	123,957	138,742	14,390	213,588	1,635,191	1,992,376	3,075,801	3,984,753
OPERATING & MAINTENANCE	307,928	304,523	100,923	135,097	517,786	546,908	161,618	201,603	(5,343)	37,299	1,082,912	1,225,430	2,142,597	2,450,858
LABORATORY	6,152	16,349	0	0	11,996	40,025	0	0	45	0	18,193	56,374	39,881	112,747
CONSERVATION	31,711	36,746	0	0	50,375	72,776	0	0	0	0	82,086	109,522	135,894	219,043
ENGINEERING	56,109	71,669	11,691	14,842	139,316	169,923	33,040	39,464	1,174	23,750	241,330	319,648	416,291	639,296
WATER RESOURCES	64,841	109,710	0	0	97,263	164,565	0	0	0	0	162,104	274,275	434,065	548,552
INTEREST EXPENSE	112,483	84,370	52,562	37,722	312,050	225,725	179,514	124,117	128,478	87,188	785,087	559,122	856,398	1,118,244
FRANCHISE FEE	0	0	0	0	31,327	30,426	11,368	10,284	0	0	42,695	40,710	85,172	81,420
TOTAL EXPENSES	983,477	1,084,094	213,851	241,093	2,204,029	2,376,235	509,497	514,210	138,744	361,825	4,049,598	4,577,457	7,186,099	9,154,913
NET GAIN (LOSS) FROM OPERATIONS	87,803	114,384	162,963	137,225	(179,101)	(111,052)	336,137	315,756	(138,743)	(249,328)	269,059	206,985	1,427,898	413,974
CAPACITY FEE/ CAPITAL SURCHARGE	247,991	122,425	84,627	49,481	473,272	704,000	146,202	181,250	0	0	952,092	1,057,156	1,563,889	2,114,313
CONTRIBUTIONS/ GRANT REVENUE	1,818	71,059	0	0	2,727	106,588	0	0	0	0	4,545	177,647	222,275	355,292
NON-OPERATING REVENUE	22,341	23,878	6,383	6,822	39,896	42,638	11,171	11,939	0	0	79,791	85,277	157,621	170,555
CAPITAL IMPROVEMENT PROJECT	776,730	0	55,441	0	1,514,492	0	1,410,904	0	1,393,205	0	5,150,772	0	9,040,299	0
DEVELOPER REVENUE	90,602	7,500	610	1,000	49,185	50,000	64,603	25,000	2,892	0	207,892	83,500	592,656	167,000
DEVELOPER EXPENSES	83,772	13,375	310	2,500	49,434	89,500	52,891	8,500	2,171	0	188,578	113,875	537,688	227,750

MARINA COAST WATER DISTRICT
INCOME STATEMENT
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

MARINA WATER FUND

	CURRENT QUARTER				YEAR-TO-DATE			
	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE
REVENUES								
WATER SALES	1,033,619	1,177,988	(144,369)	(12.26%)	1,872,991	2,355,976	(482,985)	(20.50%)
SEWER SALES	0	0	0	0.00%	0	0	0	0.00%
INTEREST INCOME	2,186	7,050	(4,864)	(68.99%)	4,501	14,101	(9,600)	(68.08%)
OTHER REVENUE	35,475	13,440	22,035	163.95%	44,460	26,880	17,580	65.40%
TOTAL REVENUES	1,071,280	1,198,478	(127,198)	(10.61%)	1,921,952	2,396,957	(475,005)	(19.82%)
EXPENSES								
ADMINISTRATIVE	404,253	460,727	(56,474)	(12.26%)	755,435	921,453	(166,018)	(18.02%)
OPERATING & MAINTENANCE	307,928	304,523	3,405	1.12%	577,412	609,045	(31,633)	(5.19%)
LABORATORY	6,152	16,349	(10,197)	(62.37%)	12,952	32,697	(19,745)	(60.39%)
CONSERVATION	31,711	36,746	(5,035)	(13.70%)	51,935	73,491	(21,556)	(29.33%)
ENGINEERING	56,109	71,669	(15,560)	(21.71%)	99,386	143,338	(43,952)	(30.66%)
WATER RESOURCES	64,841	109,710	(44,869)	(40.90%)	173,806	219,421	(45,615)	(20.79%)
INTEREST EXPENSE	112,483	84,370	28,113	33.32%	129,737	168,740	(39,003)	(23.11%)
FRANCHISE/MEMBERSHIP FEES	0	0	0	0.00%	0	0	0	0.00%
TOTAL EXPENSES	983,477	1,084,094	(100,617)	(9.28%)	1,800,663	2,168,185	(367,522)	(16.95%)
NET GAIN (LOSS) FROM OPERATIONS	87,803	114,384	(26,581)	(23.24%)	121,289	228,772	(107,483)	(46.98%)
CAPACITY FEE/ CAPITAL SURCHARGE	247,991	122,425	125,566	102.57%	247,991	244,850	3,141	1.28%
CONTRIBUTIONS/ GRANT REVENUE	1,818	71,059	(69,241)	(97.44%)	88,910	142,117	(53,207)	(37.44%)
NON-OPERATING REVENUE	22,341	23,878	(1,537)	(6.44%)	44,134	47,755	(3,621)	(7.58%)
CAPITAL IMPROVEMENT PROJECT	776,730	0	776,730	100.00%	1,058,635	0	1,058,635	100.00%
DEVELOPER REVENUE	90,602	7,500	83,102	1108.03%	318,677	15,000	303,677	2024.51%
DEVELOPER EXPENSES	83,772	13,375	70,397	526.33%	292,273	26,750	265,523	992.61%

MARINA COAST WATER DISTRICT
INCOME STATEMENT
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

MARINA SEWER FUND

	CURRENT QUARTER				YEAR-TO-DATE			
	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE
REVENUES								
WATER SALES	0	0	0	0.00%	0	0	0	0.00%
SEWER SALES	374,257	374,398	(141)	(0.04%)	648,629	748,797	(100,168)	(13.38%)
INTEREST INCOME	512	3,060	(2,548)	(83.27%)	1,054	6,120	(5,066)	(82.78%)
OTHER REVENUE	2,045	860	1,185	137.79%	2,306	1,720	586	34.07%
TOTAL REVENUES	376,814	378,318	(1,504)	(0.40%)	651,989	756,637	(104,648)	(13.83%)
EXPENSES								
ADMINISTRATIVE	48,675	53,432	(4,757)	(8.90%)	93,366	106,863	(13,497)	(12.63%)
OPERATING & MAINTENANCE	100,923	135,097	(34,174)	(25.30%)	197,069	270,193	(73,124)	(27.06%)
LABORATORY	0	0	0	0.00%	0	0	0	0.00%
CONSERVATION	0	0	0	0.00%	0	0	0	0.00%
ENGINEERING	11,691	14,842	(3,151)	(21.23%)	20,338	29,684	(9,346)	(31.48%)
WATER RESOURCES	0	0	0	0.00%	0	0	0	0.00%
INTEREST EXPENSE	52,562	37,722	14,840	39.34%	57,492	75,445	(17,953)	(23.80%)
FRANCHISE/MEMBERSHIP FEES	0	0	0	0.00%	0	0	0	0.00%
TOTAL EXPENSES	213,851	241,093	(27,242)	(11.30%)	368,265	482,185	(113,920)	(23.63%)
NET GAIN (LOSS) FROM OPERATIONS	162,963	137,225	25,738	18.76%	283,724	274,452	9,272	3.38%
CAPACITY FEE/ CAPITAL SURCHARGE	84,627	49,481	35,146	71.03%	84,394	98,963	(14,569)	(14.72%)
CONTRIBUTIONS/ GRANT REVENUE	0	0	0	0.00%	0	0	0	0.00%
NON-OPERATING REVENUE	6,383	6,822	(439)	(6.44%)	12,609	13,645	(1,036)	(7.59%)
CAPITAL IMPROVEMENT PROJECT	55,441	0	55,441	100.00%	80,664	0	80,664	100.00%
DEVELOPER REVENUE	610	1,000	(390)	(39.00%)	3,872	2,000	1,872	93.60%
DEVELOPER EXPENSES	310	2,500	(2,190)	(87.60%)	490	5,000	(4,510)	(90.20%)

MARINA COAST WATER DISTRICT
INCOME STATEMENT
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

ORD COMMUNITY WATER FUND

	CURRENT QUARTER				YEAR-TO-DATE			
	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE
REVENUES								
WATER SALES	1,914,075	2,102,001	(187,926)	(8.94%)	4,204,837	4,204,003	834	0.02%
SEWER SALES	0	0	0	0.00%	0	0	0	0.00%
INTEREST INCOME	6,245	18,475	(12,230)	(66.20%)	12,826	36,950	(24,124)	(65.29%)
OTHER REVENUE	104,608	144,707	(40,099)	(27.71%)	255,675	289,414	(33,739)	(11.66%)
TOTAL REVENUES	2,024,928	2,265,183	(240,255)	(10.61%)	4,473,338	4,530,367	(57,029)	(1.26%)
EXPENSES								
ADMINISTRATIVE	1,043,916	1,125,887	(81,971)	(7.28%)	1,949,063	2,251,775	(302,712)	(13.44%)
OPERATING & MAINTENANCE	517,786	546,908	(29,122)	(5.32%)	1,043,119	1,093,815	(50,696)	(4.63%)
LABORATORY	11,996	40,025	(28,029)	(70.03%)	26,474	80,050	(53,576)	(66.93%)
CONSERVATION	50,375	72,776	(22,401)	(30.78%)	83,959	145,552	(61,593)	(42.32%)
ENGINEERING	139,316	169,923	(30,607)	(18.01%)	239,560	339,845	(100,285)	(29.51%)
WATER RESOURCES	97,263	164,565	(67,302)	(40.90%)	260,259	329,131	(68,872)	(20.93%)
INTEREST EXPENSE	312,050	225,725	86,325	38.24%	342,862	451,449	(108,587)	(24.05%)
FRANCHISE/MEMBERSHIP FEES	31,327	30,426	901	2.96%	62,944	60,852	2,092	3.44%
TOTAL EXPENSES	2,204,029	2,376,235	(172,206)	(7.25%)	4,008,240	4,752,469	(744,229)	(15.66%)
NET GAIN (LOSS) FROM OPERATIONS	(179,101)	(111,052)	(68,049)	61.28%	465,098	(222,102)	687,200	(309.41%)
CAPACITY FEE/ CAPITAL SURCHARGE	473,272	704,000	(230,728)	(32.77%)	946,436	1,408,000	(461,564)	(32.78%)
CONTRIBUTIONS/ GRANT REVENUE	2,727	106,588	(103,861)	(97.44%)	133,365	213,175	(79,810)	(37.44%)
NON-OPERATING REVENUE	39,896	42,638	(2,742)	(6.43%)	78,811	85,277	(6,466)	(7.58%)
CAPITAL IMPROVEMENT PROJECT	1,514,492	0	1,514,492	100.00%	1,967,008	0	1,967,008	100.00%
DEVELOPER REVENUE	49,185	50,000	(815)	(1.63%)	116,812	100,000	16,812	16.81%
DEVELOPER EXPENSES	49,434	89,500	(40,066)	(44.77%)	113,493	179,000	(65,507)	(36.60%)

MARINA COAST WATER DISTRICT
INCOME STATEMENT
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

ORD COMMUNITY SEWER FUND

	CURRENT QUARTER				YEAR-TO-DATE			
	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE
REVENUES								
WATER SALES	0	0	0	0.00%	0	0	0	0.00%
SEWER SALES	841,976	820,592	21,384	2.61%	1,550,666	1,641,184	(90,518)	(5.52%)
INTEREST INCOME	2,383	6,034	(3,651)	(60.51%)	4,897	12,068	(7,171)	(59.42%)
OTHER REVENUE	1,275	3,340	(2,065)	(61.83%)	11,154	6,680	4,474	66.98%
TOTAL REVENUES	845,634	829,966	15,668	1.89%	1,566,717	1,659,932	(93,215)	(5.62%)
EXPENSES								
ADMINISTRATIVE	123,957	138,742	(14,785)	(10.66%)	236,882	277,485	(40,603)	(14.63%)
OPERATING & MAINTENANCE	161,618	201,603	(39,985)	(19.83%)	321,730	403,206	(81,476)	(20.21%)
LABORATORY	0	0	0	0.00%	0	0	0	0.00%
CONSERVATION	0	0	0	0.00%	0	0	0	0.00%
ENGINEERING	33,040	39,464	(6,424)	(16.28%)	55,483	78,929	(23,446)	(29.71%)
WATER RESOURCES	0	0	0	0.00%	0	0	0	0.00%
INTEREST EXPENSE	179,514	124,117	55,397	44.63%	188,141	248,233	(60,092)	(24.21%)
FRANCHISE/MEMBERSHIP FEES	11,368	10,284	1,084	10.54%	22,228	20,568	1,660	8.07%
TOTAL EXPENSES	509,497	514,210	(4,713)	(0.92%)	824,464	1,028,421	(203,957)	(19.83%)
NET GAIN (LOSS) FROM OPERATIONS	336,137	315,756	20,381	6.45%	742,253	631,511	110,742	17.54%
CAPACITY FEE/ CAPITAL SURCHARGE	146,202	181,250	(35,048)	(19.34%)	285,068	362,500	(77,432)	(21.36%)
CONTRIBUTIONS/ GRANT REVENUE	0	0	0	0.00%	0	0	0	0.00%
NON-OPERATING REVENUE	11,171	11,939	(768)	(6.43%)	22,067	23,878	(1,811)	(7.58%)
CAPITAL IMPROVEMENT PROJECT	1,410,904	0	1,410,904	100.00%	2,596,044	0	2,596,044	100.00%
DEVELOPER REVENUE	64,603	25,000	39,603	158.41%	150,403	50,000	100,403	200.81%
DEVELOPER EXPENSES	52,891	8,500	44,391	522.25%	129,261	17,000	112,261	660.36%

MARINA COAST WATER DISTRICT
INCOME STATEMENT
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

RECYCLED WATER FUND

	CURRENT QUARTER				YEAR-TO-DATE			
	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE	ACTUAL	BUDGET	\$ VARIANCE	% VARIANCE
REVENUES								
WATER SALES	0	112,447	(112,447)	(100.00%)	0	224,894	(224,894)	(100.00%)
SEWER SALES	0	0	0	0.00%	0	0	0	0.00%
INTEREST INCOME	1	50	(49)	(98.00%)	1	100	(99)	(99.00%)
OTHER REVENUE	0	0	0	0.00%	0	0	0	0.00%
TOTAL REVENUES	1	112,497	(112,496)	(100.00%)	1	224,994	(224,993)	99.99%
EXPENSES								
ADMINISTRATIVE	14,390	213,588	(199,198)	(93.26%)	41,055	427,177	(386,122)	(90.39%)
OPERATING & MAINTENANCE	(5,343)	37,299	(42,642)	(114.32%)	3,267	74,599	(71,332)	(95.62%)
LABORATORY	45	0	45	100.00%	455	0	455	100.00%
CONSERVATION	0	0	0	0.00%	0	0	0	0.00%
ENGINEERING	1,174	23,750	(22,576)	(95.06%)	1,524	47,500	(45,976)	(96.79%)
WATER RESOURCES	0	0	0	0.00%	0	0	0	0.00%
INTEREST EXPENSE	128,478	87,188	41,290	47.36%	138,166	174,377	(36,211)	(20.77%)
FRANCHISE FEE	0	0	0	0.00%	0	0	0	0.00%
TOTAL EXPENSES	138,744	361,825	(223,081)	(61.65%)	184,467	723,653	(539,186)	(74.51%)
NET GAIN (LOSS) FROM OPERATIONS	(138,743)	(249,328)	110,585	(44.35%)	(184,466)	(498,659)	314,193	(63.01%)
CAPACITY FEE/ CAPITAL SURCHARGE	0	0	0	0.00%	0	0	0	0.00%
CONTRIBUTIONS/ GRANT REVENUE	0	0	0	0.00%	0	0	0	0.00%
NON-OPERATING REVENUE	0	0	0	100.00%	0	0	0	100.00%
CAPITAL IMPROVEMENT PROJECT	1,393,205	0	1,393,205	100.00%	3,337,948	0	3,337,948	100.00%
DEVELOPER REVENUE	2,892	0	2,892	0.00%	2,892	0	2,892	0.00%
DEVELOPER EXPENSES	2,171	0	2,171	100.00%	2,171	0	2,171	100.00%

MARINA COAST WATER DISTRICT
SCHEDULE OF INVESTMENTS SUMMARY
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

ACCOUNT	ACCT TYPE	YIELD APR	9/30/2021 BALANCE	QUARTERLY ACTIVITIES		12/31/2021 BALANCE
				TRANSACTION TYPE	AMOUNT	
LAIF ACCOUNT		0.23%	16,888,682	INTEREST 10/15/2021	10,284	16,898,966
				TRANSFERS	0	16,898,966
SAVINGS ACCOUNT	MM	0.04%	1,075,105	INTEREST 10/01/21 - 12/31/21	108	1,075,213
				TRANSFERS	0	1,075,213
BUILDING REMOVAL FUND	MM	0.03%	977,986	INTEREST 10/01/21 - 12/31/21	74	978,060
				TRANSFERS	0	978,060
RESTRICTED FUNDS	MM	0.15%	1,080,994	INTEREST 10/01/21 - 12/31/21	408	1,081,402
				TRANSFERS	0	1,081,402
RUWAP LOC PROCEEDS	CK		1,014,423	DEPOSITS	1,981,923	2,996,346
				TRANSFERS	(2,991,914)	4,432
				FEES	(52)	4,380
CHECKING ACCOUNT	CK		2,107,474	QUARTERLY DEPOSITS & CREDITS	6,108,585	8,216,059
				QUARTERLY CHECKS & DEBITS	(11,197,170)	(2,981,111)
				TRANSFERS	5,182,710	2,201,599

SUMMARY	As of December 31		RESERVES DETAIL (LAIF ACCOUNT)	As of December 31	
	2020	2021		2020	2021
LAIF ACCOUNT	17,229,185	16,898,966	MW GEN OP RESERVE	855,943	611,299
SAVINGS ACCOUNT	274,941	1,075,213	MW CAPACITY REVENUE FUND	1,292,932	1,346,120
BUILDING REMOVAL FUND	977,766	978,060	MW CAP REPL RESERVE FUND	1,168,364	1,373,450
RESTRICTED FUNDS	1,079,782	1,081,402	MS GEN OP RESERVE	296,839	208,628
RUWAP LOC PROCEEDS	4,662	4,380	MS CAPACITY REVENUE FUND	202,250	192,369
CHECKING ACCOUNT	1,793,131	2,201,599	MS CAP REPL RESERVE FUND	201,180	302,149
TOTAL INVESTMENT	21,359,467	22,239,620	OW GEN OP RESERVE	1,786,060	1,821,367
			OW CAPITAL/CAPACITY REVENUE FUND	7,646,541	7,449,706
			OW CAP REPL RESERVE FUND	165,860	366,826
			OS GEN OP RESERVE	1,091,133	966,169
			OS CAPITAL/CAPACITY REVENUE FUND	2,459,865	2,098,267
			OS CAP REPL RESERVE FUND	62,218	162,616
			TOTAL	17,229,185	16,898,966

MARINA COAST WATER DISTRICT
 SCHEDULE OF INVESTMENTS SUMMARY - BOND PROCEEDS
 OCTOBER 1, 2021 TO DECEMBER 31, 2021
 (UNAUDITED)

ACCOUNT	ACCT TYPE	YIELD APR	9/30/2021 BALANCE	QUARTERLY ACTIVITIES TRANSACTION TYPE	AMOUNT	12/31/2021 BALANCE
PROJECT FUND 2019 SERIES BOND	MM	0.04%	15,238,580	INTEREST 10/01/21 - 12/31/21 TRANSFERS	1,001 (2,190,796)	15,239,581 13,048,785

MARINA COAST WATER DISTRICT
SCHEDULE OF DEBT SUMMARY
OCTOBER 1, 2021 TO DECEMBER 31, 2021
(UNAUDITED)

PRINCIPAL AMOUNT	FIRST PAYMENT	FINAL PAYMENT	RATE	9/30/2021 BALANCE	QUARTERLY ACTIVITIES TRANSACTION TYPE	AMOUNT	12/31/2021 BALANCE
HCC - BLM INSTALLMENT LOAN							
2,799,880	07/20/2017	01/20/2037	5.750%	2,413,798	PAYMENT - PRINCIPAL	0	2,413,798
					INTEREST PAYMENT	0	
2015 SERIES A REFUNDING BOND - CLOSING DATE 07/15/2015							
29,840,000	12/01/2015	06/01/2037	3.712%	25,015,000	PAYMENT - PRINCIPAL	0	25,015,000
					INTEREST PAYMENT	(581,300)	
2019 SERIES REVENUE BOND - CLOSING DATE 12/19/2019							
17,725,000	06/01/2020	06/01/2049	2.990%	17,270,000	PAYMENT - PRINCIPAL	0	17,270,000
					INTEREST PAYMENT	(339,850)	
BVAA COMPASS RUWAP LOC							
		03/31/2022	2.040% *	2,856,261	ADVANCES	1,981,923	4,838,184
					PAYMENT - PRINCIPAL	0	4,838,184
					INTEREST PAYMENT	(17,062)	

*Line of Credit interest calculated on a variable basis (79.01% of the 30-Day Monthly LIBOR plus 1.25%). Amount represents interest rate at 12/01/2021.

SUMMARY

HCC - BLM INSTALLMENT LOAN	2,413,798
2015 REFUNDING BOND SERIES A	25,015,000
2019 SERIES REVENUE BOND	17,270,000
BVAA COMPASS RUWAP LOC	4,838,184
TOTAL DEBT	49,536,982

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-C

Meeting Date: February 22, 2022

Prepared By: Paula Riso

Approved By: Remleh Scherzinger

Agenda Title: Approve the Draft Minutes of the Regular Joint Board/GSA Meeting of January 19, 2022

Staff Recommendation: The Board of Directors approve the revised draft minutes of the January 19, 2022 regular joint Board meeting.

Background: *Strategic Plan, Mission Statement – We Provide high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: The draft minutes of January 19, 2022 are provided for the Board to consider approval.

Environmental Review Compliance: None required.

Financial Impact: Yes No **Funding Source/Recap:** None

Other Considerations: The Board can suggest changes/corrections to the minutes.

Material Included for Information/Consideration: Draft minutes of January 19, 2022.

Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



Marina Coast Water District

Regular Board Meeting/Groundwater Sustainability Agency Board Meeting
Via Zoom Teleconference
January 19, 2022

Draft Minutes

1. Call to Order:

President Shriner called the meeting to order at 6:30 p.m. on January 19, 2022 via Zoom teleconference in Marina, California. She then proceeded with a land acknowledgement. “As Marina Coast Water District celebrates its 60th year providing publicly owned water service to its customers in Marina and the Ord Community, we acknowledge that our service area is located on the traditional lands of the Esselen people. They are known today as the Ohlone/Constanoan-Esselen Nation. We respect their elders, past, present, and emerging, for they hold the memories, traditions, culture, and hopes of the Esselen people. We also acknowledge the government of the Ohlone/Coastanoan Esselen Nation and appreciate the spiritual role it plays today in preserving the cultural, historical and heritage beliefs of the Esselen people. We are grateful that they share their traditional lands with us.”

2. Roll Call:

Board Members Present:

Jan Shriner– President
Herbert Cortez – Vice President
Thomas P. Moore
Gail Morton
Matt Zefferman – joined the meeting at 6:39 p.m.

Board Members Absent:

None

Staff Members Present:

Remleh Scherzinger, General Manager
Roger Masuda, District Counsel
David Hobbs, District Counsel
Kelly Cadiente, Director of Administrative Services
Derek Cray, Operations and Maintenance Manager
Patrick Breen, Water Resources Manager
Rose Gill, Human Resources/Risk Administrator
Teo Espero, IT Administrator
Paula Riso, Executive Assistant/Clerk to the Board

Agenda Item 2 (continued):

Audience Members:

Andy Sterbenz, Schaaf & Wheeler
Kevin Kostiuk, Raftellis
Vera Nelson, EKI Environment & Water
Tina Wang, EKI Environment & Water
Glenn Nelson, CSUMB
Trevin Barber, City of Seaside
Julie Wryick
Mike McCullough, M1W
Troy Lawson
Roberta Greathouse, City of Seaside
Emily Gardner
Alison Imamura, M1W
Rick Riedl, Wallace Group
Doug Yount, Shea Homes

President Shriner announced that Agenda Item 9-A has been pulled from the agenda and will not be discussed at this meeting.

3. Pledge of Allegiance:

Mr. Remleh Scherzinger, General Manager, led everyone present in the pledge of allegiance.

4. Oral Communications:

There were no comments made.

5. Marina Coast Water District Groundwater Sustainability Agency Matters:

A. Action Item:

1. Adopt Resolution No. 2022-GSA01 to Approve the Monterey Sub-basin Groundwater Sustainability Plan:

Mr. Patrick Breen, Water Resources Manager, introduced this item.

President Shriner opened the Public Hearing at 6:38 p.m. for the Monterey Sub-basin Groundwater Sustainability Plan (GSP).

Director Zefferman joined the meeting at 6:39 p.m.

Agenda Item 5-A1 (continued):

Ms. Vera Nelson, EKI Environment & Water, gave a brief overview of the GSP, noting that it was co-developed by the MCWDGSA and the SVBGSA. She added that during that time, there were twenty-five meetings held by MCWD and SVBGSA during the GSP development. That included eleven meetings by MCWD; five stakeholder workshops; and six MCWDGSA Board meetings, all beginning in 2018.

The Board asked clarifying questions and Director Moore suggested several edits. Ms. Nelson noted that this plan was ready to go and these edits, as well as others, could be done in the next update as this is a living plan and is scheduled to be updated every five years. Discussion followed.

Dr. Glenn Nelson, CSUMB, commented that CSUMB submitted a letter, and it was not included in the document and asked that it be included. Mr. Breen stated that the letter would be included.

Director Moore made a motion to adopt Resolution No. 2022-GSA01 to approve the Monterey Sub-basin Groundwater Sustainability Plan, to include the letter from CSUMB. Director Morton seconded the motion.

President Shriner closed the Public Hearing at 7:38 p.m.

The motion was passed by the following vote:

Director Moore	-	Yes	Vice President Cortez	-	Yes
Director Morton	-	Yes	President Shriner	-	Yes
Director Zefferman	-	Yes			

6. Return to Marina Coast Water District Matters:

7. Workshop:

A. Receive a Presentation on the Recycled Water Rate Study Workshop #1:

Ms. Kelly Cadiente, Director of Administrative Services, introduced this item and Mr. Kevin Kostiuk, Raftellis. Mr. Kostiuk gave an overview of the Rate Study and the projected demand for recycled water. He also reviewed the schedule for approving the Rate Study, noting there would be another workshop in February. The Board asked clarifying questions.

8. Consent Calendar:

Director Moore made a motion to approve the Consent Calendar consisting of: A) Receive and File the Check Register for the Month of December 2021; B) Receive the Quarterly Financial Statements for July 1, 2021 to September 30, 2021; C) Approve the Draft Minutes of the Regular Joint Board Meeting of December 13, 2021; D) Approve the Draft Minutes of the Special Joint Board Meeting of January 4, 2022. Director Morton seconded the motion.

Agenda Item 8 (continued):

The motion was passed by the following vote:

Director Moore	-	Yes	Vice President Cortez	-	Yes
Director Morton	-	Yes	President Shriner	-	Yes
Director Zefferman	-	Yes			

9. Action Items:

- B. Adopt Resolution No. 2022-03 to Authorize a CIP Budget Adjustment to Reimburse the City of Marina for the Replacement of an Emergency Repair and Replacement of a Potable Water Pipeline and Appurtenances in Flower Circle, Marina:

Mr. Breen introduced this item and explained that the City of Marina was doing work on Flower Circle and the District worked with the City to replace and repair a potable water pipeline while the road was open before being repaved.

Director Morton made a motion to adopt Resolution No. 2022-03 to authorize a CIP Budget adjustment to reimburse the City of Marina for the replacement of an emergency repair and replacement of a potable water pipeline and appurtenances in Flower Circle, Marina. Director Moore seconded the motion. The motion was passed by the following vote:

Director Moore	-	Yes	Vice President Cortez	-	Yes
Director Morton	-	Yes	President Shriner	-	Yes
Director Zefferman	-	Yes			

10. Staff Reports:

- A. Receive an Update on the Fiscal Impacts to the District due to Covid-19:

Ms. Cadiente introduced this item and noted that the arrearages program payment was received from the State and staff was working on making sure the payments are applied to the appropriate water portion of customers bills. She also noted that the State has now opened a Wastewater Arrearages Program application and the District will look into that program for reimbursement.

- B. Receive a Report on Current Capital Improvement Projects:

Mr. Breen introduced this item and reported on the progress of CIP projects currently underway.

- C. Receive the 4th Quarter 2021 MCWD Water Consumption Report:

Ms. Cadiente introduced this item.

D. Receive the 4th Quarter 2021 Sewer Flow Report:

Ms. Cadiente introduced this item.

11. Informational Items:

A. General Manager's Report:

Mr. Scherzinger gave the following updates:

- 1) Staff has short-listed the Public Relation firms to the last two and they will be asked to make a presentation to the Outreach Committee whom will make a recommendation to the Board at a later meeting;
- 2) The draft framework for the Strategic Plan has been received from BHI Consulting and staff is making sure everything is ready for the Workshop;
- 3) Alliance Recruiting is on board to recruit for both the District Engineer and Director of Administrative Services positions;
- 4) he is meeting with Paul Sciuto to discuss how the AWT funding has been structured and how MCWD will leverage its capacity in Phase 1 and 2 of the project to ensure all the 1,427 acre feet capacity is AWT or tertiary water off the system. He is also meeting with Monterey County Water Resources Agency to discuss the agreements and how MCWD can take their CSIP water and if it's tertiary water;
- 5) he received word that CSDA has a deal with the Ferguson Group to do grant writing for Special Districts at a discounted rate.

B. Counsel's Report:

No report was given.

C. Committee and Board Liaison Reports:

1. Executive Committee:

Vice President Cortez gave a brief update.

2. Community Outreach Committee:

Director Zefferman gave a brief update.

3. Budget and Personnel Committee:

Director Morton gave a brief update.

4. LAFCO Liaison:

Vice President Cortez stated there was no update.

5. Special Districts Association:

Director Moore gave a brief update.

14. Board Member Requests for Future Agenda Items:

President Shriner stated that any requests may be emailed to staff.

15. Director's Comments:

Director Moore, Director Zefferman, Director Morton, Vice President Cortez, and President Shriner made comments.

16. Adjournment:

The meeting was adjourned at 9:09 p.m.

APPROVED:

Jan Shriner, President

ATTEST:

Paula Riso, Deputy Secretary

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-D

Meeting Date: February 22, 2022

Prepared By: Paula Riso

Approved By: Remleh Scherzinger

Agenda Title: Approve the Draft Minutes of the Special Joint Board/GSA Meeting of February 1, 2022

Staff Recommendation: The Board of Directors approve the draft minutes of the February 1, 2022 special joint Board meeting.

Background: *Strategic Plan, Mission Statement – We Provide high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: The draft minutes of February 1, 2022 are provided for the Board to consider approval.

Environmental Review Compliance: None required.

Financial Impact: Yes No **Funding Source/Recap:** None

Other Considerations: The Board can suggest changes/corrections to the minutes.

Material Included for Information/Consideration: Draft minutes of February 1, 2022.

Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



Marina Coast Water District

Special Board Meeting/Groundwater Sustainability Agency Board Meeting
Via Zoom Teleconference
February 1, 2022

Draft Minutes

1. Call to Order:

President Shriner called the meeting to order at 6:06 p.m. on February 1, 2022 via Zoom teleconference in Marina, California.

2. Roll Call:

Board Members Present:

Jan Shriner – President
Thomas P. Moore
Gail Morton

Board Members Absent:

Herbert Cortez – Vice President
Matt Zefferman

Staff Members Present:

Remleh Scherzinger, General Manager
Paula Riso, Executive Assistant/Clerk to the Board

Audience Members:

None.

3. Adopt Resolution No. 2022-04 to Proclaim a Local Emergency, and Authorize Remote Teleconference Meetings of All District Legislative Bodies for the Following 30 Days:

Director Morton made a motion to Adopt Resolution No. 2022-04 to Proclaim a Local Emergency, and Authorize Remote Teleconference Meetings of All District Legislative Bodies for the Following 30 Days. Director Moore seconded the motion. The motion was passed by the following vote:

Director Moore	-	Yes	Vice President Cortez	-	Absent
Director Morton	-	Yes	President Shriner	-	Yes
Director Zefferman	-	Absent			

4. Director's Comments:

Director Moore and President Shriner made comments.

5. Adjournment:

The meeting was adjourned at 6:09 p.m.

APPROVED:

Jan Shriner, President

ATTEST:

Paula Riso, Deputy Secretary

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-E

Meeting Date: February 22, 2022

Prepared By: Kelly Cadiente

Approved By: Remleh Scherzinger

Agenda Title: Receive the District FY 2022-2023 Draft Budget Schedule and Set Date for the FY 2022-2023 Budget Workshop

Staff Recommendation: The Board of Directors receive the draft FY 2022-2023 Budget Schedule and set the date for the Budget Workshop for April 18, 2022.

Background: *Strategic Plan, Element No. 3 – Fiscal Planning.*

Discussion/Analysis: Staff has begun the budget process for FY 2022-2023. Attached is the draft schedule for the FY 2022-2023 Budget that was presented to the Budget & Personnel Committee on February 1, 2022. Staff is requesting to hold the District’s Budget Workshop on April 18, 2022.

Environmental Review Compliance: None required.

Financial Impact: Yes No **Funding Source/Recap:** None

Other Considerations: None.

Materials Included for Information/Consideration: FY 2022-2023 Draft Budget Schedule.

Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Marina Coast Water District
 FY 2022/2023 Budget Calendar
 02/01/2022

<u>DATE</u>	<u>Responsible Person</u>	<u>DESCRIPTION</u>
02/01/2022	DAS	Distribute FY 2022-2023 Proposed Budget Calendar to Budget & Personnel Committee. PUBLIC MEETING
02/22/2022	DAS	Distribute FY 2022-2023 Budget Worksheets to Department Heads
02/22/2022	DAS	Distribute FY 2022-2023 Proposed Budget Calendar to MCWD Board. PUBLIC MEETING
02/22/2022	DAS/GM	Present FY 2021-2022 Mid-Year Report to MCWD Board. PUBLIC MEETING
03/11/2022	DAS/DH/GM	FY 2022-2023 Budget Worksheets due to Director of Administrative Services
04/05/2022	DAS/GM	Present Proposed FY 2022-2023 Budget to Budget & Personnel Committee PUBLIC MEETING
04/18/2022	DAS/DH/GM	FY 2022-2023 Budget Workshop Meeting (Department Heads/Board). PUBLIC MEETING
05/03/2022	DAS/GM	Present Revised Draft FY 2022-2023 Budget to Budget & Personnel Committee. PUBLIC MEETING
05/16/2022	DAS/DH/GM	Present Revised Draft FY 2022-2023 District Budget to MCWD Board for adoption. PUBLIC MEETING
06/07/2022	DAS/GM	Present Revised Draft FY 2022-2023 Proposed Budget to Budget & Personnel Committee. PUBLIC MEETING (if necessary)
06/20/2022	DAS//GM	MCWD Board adopts FY 2022-2023 District Budget. PUBLIC MEETING (if necessary)

GM= General Manager; DAS= Director of Administrative Services; DH=Department Heads

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-F

Meeting Date: February 22, 2022

Prepared By: Rose Gill

Approved By: Remleh Scherzinger

Agenda Title: Receive the 2021 Year in Review Report

Staff Recommendation: Staff recommends that the Board of Directors receive the 2021 Year in Review.

Background: *Strategic Plan, Mission Statement – To provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

District staff developed the 2021 Year in Review Report and is presenting the final report to the Board.

Discussion/Analysis: Staff produced the report inhouse, versus using a consulting firm. It is more cost effective to bring the report inhouse, using staff knowledge and time to produce.

Staff has incorporated suggestions, changes and edits to the report following the February 1, 2022 Community Outreach Committee meeting.

Environmental Review Compliance: None required.

Financial Impact: Yes No **Funding Source/Recap:** None.

Other Considerations: None.

Material Included for Information/Consideration: 2021 Year in Review Report.

Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



2021 YEAR IN REVIEW

MARINA COAST WATER DISTRICT

**PROVIDING WATER THAT IS SAFE,
AFFORDABLE, RELIABLE AND SUSTAINABLE**

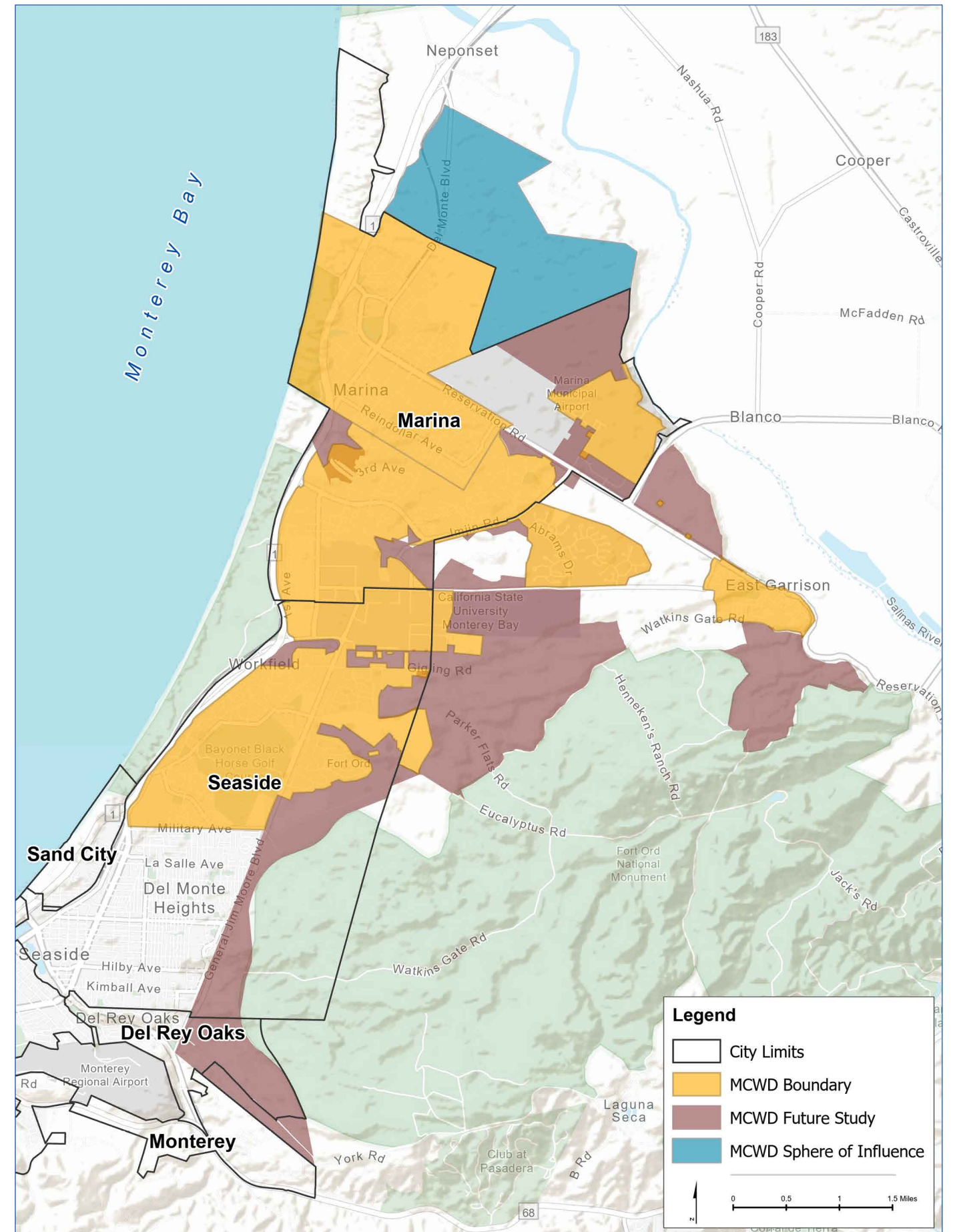




ABOUT MARINA COAST WATER DISTRICT

In 1958, a local group of dedicated citizens, known as the Marina Community Service Corporation, proposed the formation of a municipal-owned water system with boundaries to coincide with the existing Marina Fire District (approximately 1,600 acres). Two years later, the Marina County Water District was formed by a vote of the 766 registered voters of the then unincorporated city of Marina. In 1966, voters authorized the sale of water bonds totaling \$950,000 to acquire a privately owned water company serving the area.

Long before the District was formed, studies revealed that seawater had been intruding into the area's groundwater supply, because more water was being pumped from the aquifers each year than was being replenished naturally. In 1983, the District abandoned pumping from the 180-foot well because of saltwater intrusion, and, from 1983 to 1989, drilled three deep wells in the 900-foot aquifer. These wells provide Marina with its current source of water. In 1997, the



District began operating a desalination plant, capable of producing 13 percent of its water supply, to supplement well water. The plant remained in service for several years before a sudden rise in electricity costs made it uneconomical to continue operating. Because of its diminishing water supply, the District continues to seek new water sources and expand its conservation programs.

In 1970, Marina voters responded to an increasing number of septic system failures and requests to meet the community's growing sanitation needs by constructing a sewage treatment plant and disposal system, which was financed by the sale of \$1.3 million in sewer bonds. The District operated the plant until 1993 when an agreement with the Monterey Regional Water Pollution Control Agency made it possible for Marina's wastewater to be treated at the regional treatment plant. Though the District ceased treating wastewater, it continued to operate and maintain Marina's sewer system.

For its first 35 years of operation, the District was known as the Marina County Water District. But in 1994, its name was changed to Marina "Coast" Water District to avoid possible confusion of being an adjunct to the Monterey County government. With the closure of the Fort Ord military base in 1997, the Army contracted the District to operate its water and wastewater systems and, in 2001, officially transferred the systems to the

District. Since combining services and resources, the District improved its water distribution and storage efficiency while decreasing operating costs.

The District is governed by a five-member Board of Directors who are elected by the voters to serve four-year terms. Eleven candidates, interested in serving their community's needs, vied for the five Board seats in the first election. These dedicated directors, who were instrumental in the formation of the District, were Raymond S. Isakson, William Williams, George E. Boutonnet, Augusta J. Briley and Robert Workman.

5-YEAR STRATEGIC PLAN

A Strategic Plan is a top level planning document for an organization to set clear direction over all operational aspects of its mission. It serves as a framework for decision making over a five-year period. It is a disciplined effort to produce fundamental decisions that shape what a District plans to accomplish by selecting a rational and balanced course of action. The District's Mission, Core Values, Vision, and the overall structure of this Strategic Plan were developed by the Board in workshop settings. Within the framework of that structure and the business environment, strategies and goals were developed to sustain and improve the District over the next five years. At its highest level, this Strategic Plan seeks to strengthen and build upon opportunities while addressing areas of concern all aimed toward forecasting an optimized future condition.

This plan also identifies actions, activities, and planning efforts that are currently underway which are needed for continued success in operations and management of the District, and provides for periodic reviews and updates.

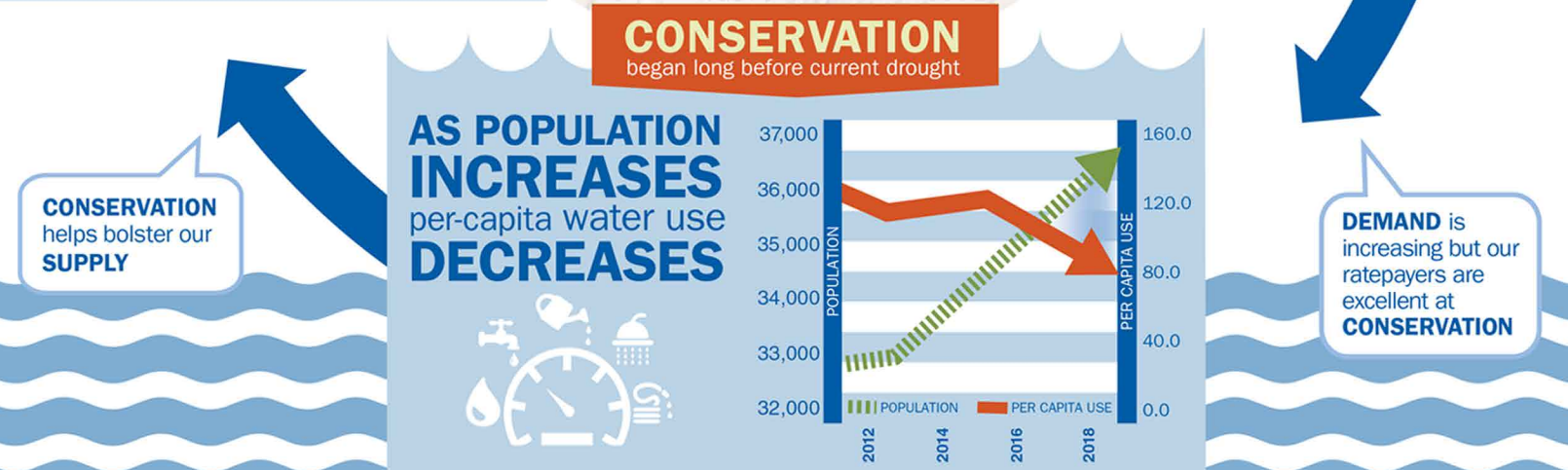
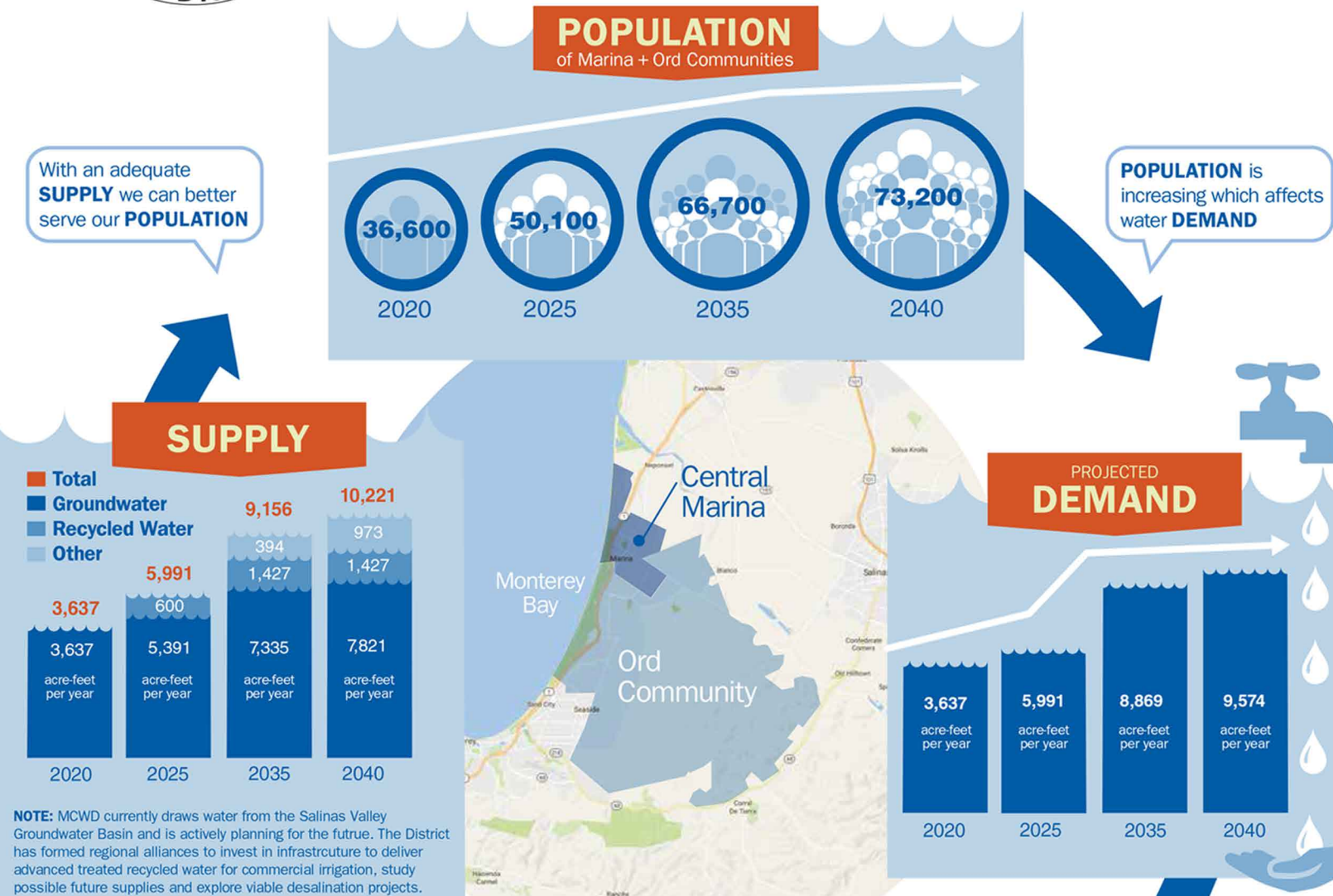


URBAN WATER MANAGEMENT PLAN



PLANNING FOR THE FUTURE

UWMP is updated every 5 years to ensure water supplies will meet demand.



MESSAGE FROM THE GENERAL MANAGER

At Marina Coast Water District, we have worked very hard during the past year to; continually operate and maintain our water and waste water systems without interruption, deliver exceptional customer service to our community, and to address the shifting landscape of the pandemic. We have done this with great care for our staff, who have demonstrated tremendous flexibility and resilience during 2021. We have continued to keep rates in check while maintaining our financial health and completing the work needed to deliver high quality water and sewer services.

The District is proud of our ability to continue to address the changing needs of the Marina – Ord community. We completed our Groundwater Sustainability Plan (GSP) for the Monterey sub-basin this year and worked with the Salinas Valley Basin Groundwater Sustainability Agency (GSA) to submit the 180/400 GSP, which was one of only three plans approved in the first round by the CA Department of Water Resources. We are also very proud of our Certificate of Achievement for Excellence in Financial Reporting as this is the 13th in a row for our financial team who also received a specific Award of Financial Reporting Achievement. Further, we completed our Standby Power Project so that in the event of a power outage all major District assets have the necessary standby power or power connection to maintain continuous service to our customers. This, coupled with our Systems Automation Project means that we can more efficiently monitor and operate all our facilities. These projects have proven themselves as we have weathered numerous power outage events in 2021 without service interruption.

The District is looking forward to bringing our recycled water system online in 2022, further expanding our water supply portfolio in support of our conservation efforts. We look forward to working with our regional

partners to implement our groundwater sustainability plans, beginning the work of protecting our precious groundwater resources for generations to come. These projects, among many at the District, address the future needs of our community by ensuring a high-quality, reliable, and sustainable portfolio of resources. Further, we will be seeking additional state and federal funding for infrastructure that can help us improve the pace of our capital replacement and improvement program.

The Capital Replacement and Improvement Program identifies and prioritizes the replacement and/or improvement of key components within the water, recycled water and sewer systems. As the District's infrastructure continues to age, key components begin to outlive their useful life. Having a robust Capital Replacement and Improvement Program helps us repair or replace these components before they can fail and cause interruptions in services to our community.

The District further completed our Standby Power Project, which included the installation of seven new permanent generators and integrating all pump station power and generator status into the District's Supervisory Control and Data Acquisition (SCADA) computer system. Furthermore, the District did extensive maintenance on all its existing generators and replaced two existing critical generators located within the District's sewer lift stations.

MCWD is poised to continue its strong work; as a regional partner in developing water solutions, providing exceptional service, and meeting the community where they are. We continue to build an efficient organization in an effort to be a trusted community partner in Monterey County.

“MCWD is poised to continue its strong work; as a regional partner in developing water solutions, providing exceptional service, and meeting the community where they are.

REMLEH SCHERZINGER MBA, CSDM, P.E.
GENERAL MANAGER



“ SGMA defines sustainable groundwater management as the "management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing undesirable results."

WATER SOURCES

The Water Resources Department is responsible for managing the District's Groundwater Sustainability Agency that is implementing the Monterey Sub-basin Groundwater Sustainability Plan adopted by the MCWD Board in January of 2022. The sustainability plan is a 50-year plan that contemplates becoming sustainable within 20 years and remaining sustainable for the next 30 years. Sustainability is defined as reaching sustainability across these six sustainability indicators; lowering of groundwater levels, reduction of groundwater storage, seawater intrusion, degradation of water quality; land subsidence, and surface water depletion. The Water Resources Department is also responsible for the District's Conservation program implementation which includes; data collection and reporting, water conservation incentive programs, water use surveys, Conservation Certification program for property transfers, public outreach for conservation, and the water conservation and science in-school education program. Finally, the Water Resources Department is managing the District's Climate Action Plan development and the implementation of the District's Imjin Office Park office improvements.

PATRICK BREEN
WATER RESOURCES MANAGER
PBreen@mcwd.org



437

toilets replaced, 281 are the new, most efficient ultra-high efficiency toilets

68

Clothes washer rebates

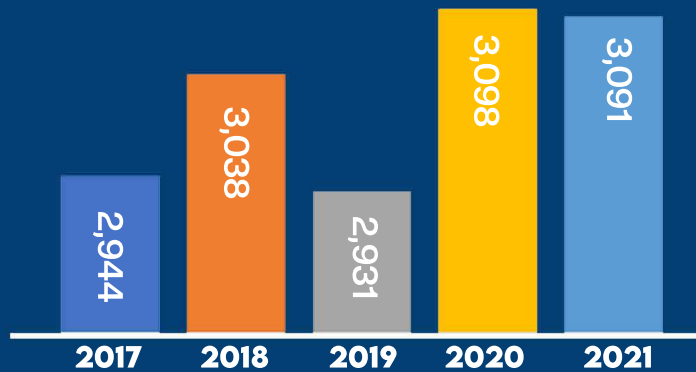
1,244

square feet of sprinklers converted to drip irrigation

3,000

square feet of lawns removed

WATER CONSUMPTION (AF)



MCWD GROUNDWATER SUSTAINABILITY AGENCY

Monterey Sub-basin Groundwater Sustainability Plan

- Completed draft plan
- Planned December 2021 MCWD GSA Board adoption
- Conducted six (6) public meetings in 2021
- Contacted over 5,000 MCWD GSA Stakeholders
- Fielded and addressed 44 comment letters containing multiple comments each
- Identified Conceptual Sustainability Projects

Coordinated with neighboring Groundwater Sustainability Agencies

- Salinas Valley Groundwater Sustainability Agency (SVBGSA)
- Participated as a member of Seawater Intrusion Group and Technical Advisory Committee
- Identified and commissioned the initiation of the Deep Aquifer Study
- Participation as a member of the Advisory Committee
- Recommended 5 Salinas Valley Groundwater Sub-basin Sustainability Plans to the SVBGSA Board of Directors
- Monterey County Water Resources Agency
- Participated as a member of the Salinas Valley Basin Advisory Committee
- Recommended and received reports to be considered and recommended to the MCWRA Board
- Seaside Watermaster
- Participated in Watermaster Board and Technical Advisory Committee Meetings

MCWD CLIMATE ACTION PLAN INITIATION

- Hired a Civic Spark Fellow to assist with District Climate Action Planning
- Developed schedule for next year of plan development

IMJIN OFFICE PARK DEVELOPMENT

- Initiated the design of the other half of the District's Offices at the Imjin Office Park
- Anticipate construction to begin in Summer of 2022

WATER CONSERVATION PROGRAMS

Data Collection and Reporting:

- New production well meters installed by the operations department
- Previous years audit data revealed need for replacement
- Expanded the reporting of water use to additional large HOA's
- 2020 water loss audit completed
- Improved data collection procedures and validity of data

Rebate Programs:

- Year-to-date over 437 toilets replaced
- 281 are the new, most efficient ultra-high efficiency toilets. 54 in Marina service area (various types). 383 in Ord service area. 100 Sun Bay Apartments retrofitted with HET's
- 274 CSUMB apartments
- 68 Clothes washer rebates. 29 in Marina and 39 in the Ord Service Area
- 12 Landscape incentive projects completed
- 3000 sq. ft. of lawn removed. 1244 sq. ft. of sprinklers converted to drip irrigation. 8 hot water pump rebates

Water Use Surveys and Conservation Certification Program:

- Modified program to include customer self-surveys and remote inspections
- 172 water use surveys completed
- 177 properties certified as compliant

Public Outreach

- Appearances at public events paused for much of 2020-21
- In October, attended Cars-in-the-Park event
- Recent efforts focused on email flyer distribution
- Efforts to submit materials for HOA newsletters was successful

Customer Assistance Program:

- Focused efforts on assisting customers with ongoing leaks
- Addressed strong demand for assistance with residential irrigation scheduling
- Created new door hanger to improve customer service

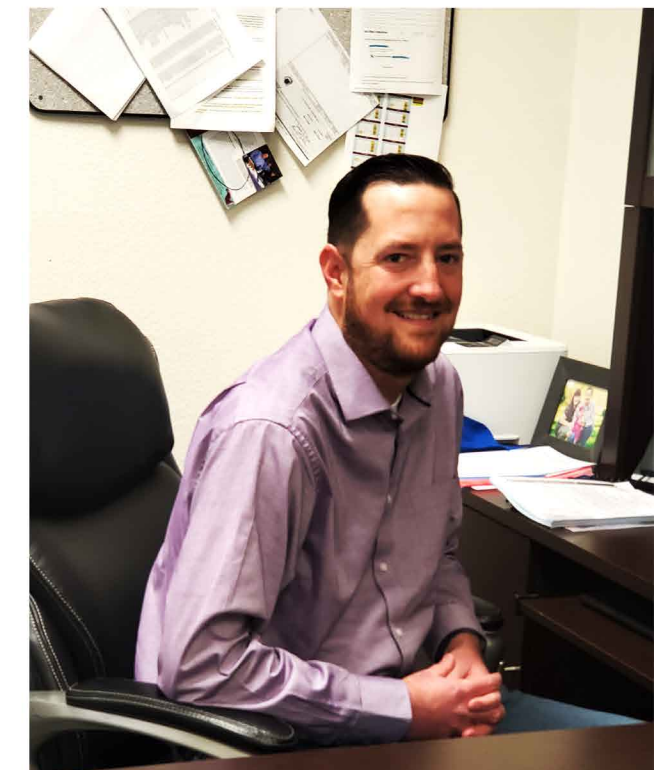
In-School Water Science and Conservation Program:

- New Water Conservation/Water Science Teacher hired
- In-class presentations have resumed after a year-long COVID-19 hiatus
- New program includes presentations and activities at middle & high schools



OPERATIONS & MAINTENANCE

The Operations and Maintenance department is responsible for operating and maintaining the District's water, wastewater, and recycle water systems and maintaining the District's fleet and buildings. The Department is staffed with 19 full-time employees (FTE) positions, which handles all aspects of the District's conveyance systems. The Department performs installation, repair, or replacement of water, sewer, or recycle mains and service lines and operates and maintains 20 sewer lift stations, 7 water wells, 9 water storage reservoirs, over 40 pressure reducing valves, and 6 water booster pump stations. The Department is also responsible for all regulatory compliance and reporting for the State Waterboards Division of Drinking Water, Central Coast Waterboards, State and Regional Airboards, Monterey County Environmental Health, and the Department of Transportation. The O & M department has standby personnel ready to respond to any situation 24 hours a day, seven days a week.



DEREK CRAY
OPERATIONS & MAINTENANCE MANAGER
DCray@mcwd.org


2021 O&M HIGHLIGHTS

- Completion of the Human Machine Interface (HMI) project which allows operators to directly interface with the control unit at each water and sewer pumping station.
- Installation in-house of new Magnetic flow meters for all of the District's pump stations and interties.
- Installation in-house of Coriolis flow meters for the District Chlorine system.
- Pump efficiency testing was performed, and reflected the extremely accurate flow meters when compared to the testers calibrated ultrasonic meter.
- Installation in-house of three new pump control valves, and two booster pumps for Marina Booster Station.
- Rebuilding of all the District water wells pump control valves in-house.
- Re-roofing of well 31, removal of the old angle drive, and replacement of the vertical motor.
- Significant upgrades and updates to the District's Supervisory control and data acquisition (SCADA) system that incorporated new PG&E time of use to reduce power cost to the District at our large pump stations. Also, all chlorine flow meters and mag meters were incorporated into SCADA along with an auto pump rotation logic.
- New backhoe was delivered and put in service.
- New Jetter truck was delivered and put in service.
- Staff installed new Pressure Reducing Valves (PRV) to add additional redundancy for A zone in-house

25
water main
repairs



3,361
inspections
(wells, booster stations,
and storage tanks)



103
miles of
pipe cleaning




16
water service
line repairs



2,529
sewer lift
station inspections



300
water valves
exercised






ENGINEERING

The Engineering Department is responsible for the planning, design, and construction of the District's infrastructure to provide safe affordable potable water, recycled water, and wastewater collection. The Department formulates the District's Master Plans for each service to accommodate the necessary capacity for residential and commercial development demands. The Master Plans are implemented through the District's Five-Year Capital Improvement Plan and annual Capital Improvement Plans.

The Department is responsible for the review of development plans to verify they are compliant with current District ordinances and specifications. Once development plans have been approved the department is entrusted with the inspection of the infrastructure installed by the developer contractors.

Along with developer-sponsored projects, the Engineering Department is charged with managing the District's own Capital Improvement projects. The Department is responsible for the planning, bidding, and construction management of District-sponsored projects ensuring they are constructed pursuant to the District plans, specifications, processes, and procedures. The Engineering Department also manages the District's system maps, models, and GIS systems updating them as the District continues to grow.

Finally, the Department works closely with the Operations Department to keep the current District systems are operating appropriately and manage the replacement of the existing infrastructure to maintain service in accordance with current law, codes, or permits.

GW-0112 – A Reservoirs & B/C Booster Pump Station **Current budget – \$15,131,990**

This project will achieve two main water system improvements: 1) provides A-zone storage and improves fire-flow capacity within the A-zone; and 2) replaces and upgrade the booster pump station for the B-zone and C-zone which is necessary due to the dilapidated condition of the facility (installed by the Army in the 1950s). The pumps pump most of the water that is served to the Ord Community. The tank reservoirs, pump station, and ancillary pipelines are located within easements on CSUMB property.

GW-0311 – Intermediate Tank Re-Coating **Current budget - \$175,450**

This project was implemented on an emergency basis due to the condition of the tank interior being past its useful life and potentially becoming un-useable.

GW-0312 – Intermediate Tank Valve Replacement **Current budget - \$135,355**

This project was implemented on an emergency basis due to the revealed condition of the tank interior and valves need to be replaced to ensure operability once the tank can come back on-line.



The A1/A2 Reservoirs and B/C Booster Pump Station Project (the Project) includes two new 1.6-million-gallon potable water storage tanks (reservoirs) and a new B/C Booster Pump Station (BPS) to be situated on recorded easements granted to the District from California State University, Monterey Bay (CSUMB). The A1/2 reservoirs will replace the existing Sand Tank and will greatly subsidize the Intermediate Tank's A Zone storage capacity. The new BPS will pump water from the new reservoirs to the existing B and C pressure zone reservoirs and distribution systems. The District existing B/C Booster Pump Station and Sand Tank have greatly exceeded its useful life and requires immediate replacement. Currently the Sand Tank is the forebay for all water to be conveyed to zones B, C, and D.



FINANCE & ADMINISTRATION

The Accounting department is responsible for compiling the annual budget, the accounts payable function (paying the bills), processing payroll, managing cash flow, and all financial reporting of the District. They ensure that all fiscal policies and procedures of the District comply with General Accepted Accounting Principles (GAAP).

Customer Service is the “face” of the District as they are the first to assist customers and address their needs. They are responsible for reading and installing meters, and the District’s accounts receivable function which includes the monthly billing to customers and processing their payments.

The IT department administers and provides technical support to staff on the various applications of the District to ensure that the applications are fully utilized

and integrated where possible. IT monitors the security of the District’s IT systems to prevent cyber breaches and manages the District’s IT equipment including repair, replacement, and maintenance contracts.

FISCAL PLANNING

The District was awarded the Certificate of Achievement for Excellence in Financial Reporting for the District’s Comprehensive Annual Financial Report

for FY 2019-2020 from the Government Finance Officers’ Association (GFOA). This marks the thirteenth straight year that the District has earned this award.

The Finance Department also received an Award of Financial Reporting Achievement (AFRA) and is the thirteenth consecutive AFRA for the department.

CUSTOMER SERVICE

“Throughout the pandemic, Customer Service staff continue to provide outstanding service to our ratepayers despite the office being closed to the public. There have been no interruptions in billing, payment processing, or new account set up during this time despite the logistical challenges due to the office closure. This is a testament to the CS staff’s determination and dedication to the District’s ratepayers.”



KELLY CADIENTE
DIRECTOR FINANCE & ADMINISTRATION
KCadiente@mcwd.org

ORGANIZATIONAL HEALTH & PERSONNEL

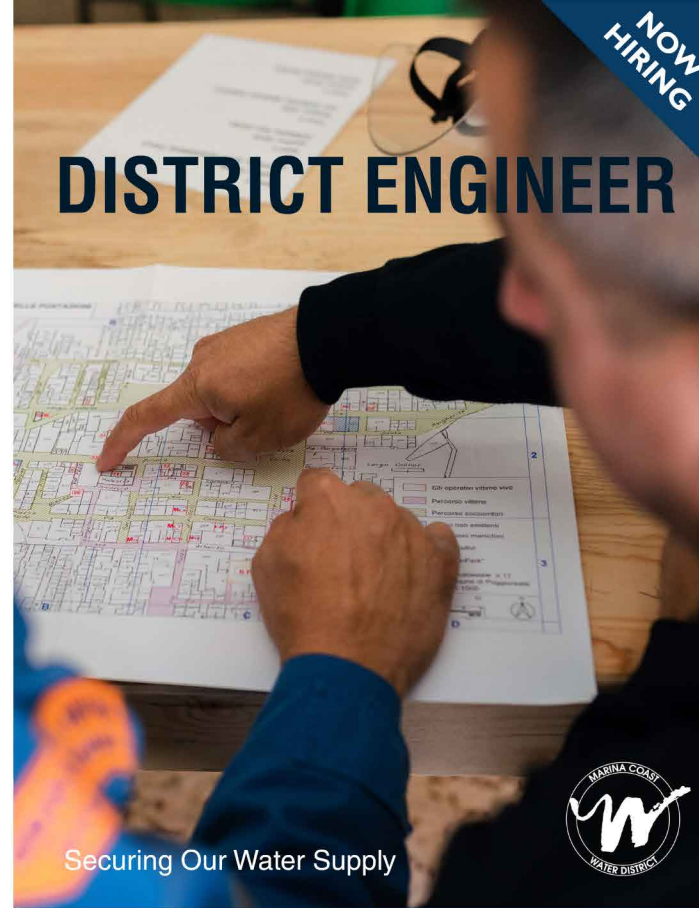
The Human Resources Department attracts, develops, and retains a high-performing, inclusive and diverse workforce and fosters a healthy, safe, well-equipped, and productive work environment for employees to maximize individual potential and expand organizational capacity.

- Monitored and maintained a Covid Response Plan.
- Rolled out Mandatory Vaccination status
- Hired nine employees for the year, which included a New General Manager.
- Brought on a Civic Spark consultant to work on our Climate Action Plan.

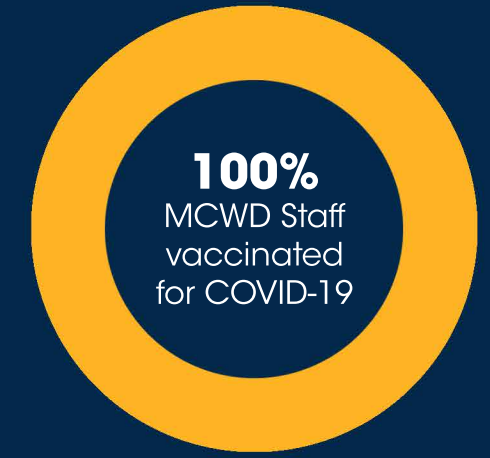


ROSE GILL
HR/RISK ADMINISTRATOR
RGill@mcwd.org

DISTRICT ENGINEER

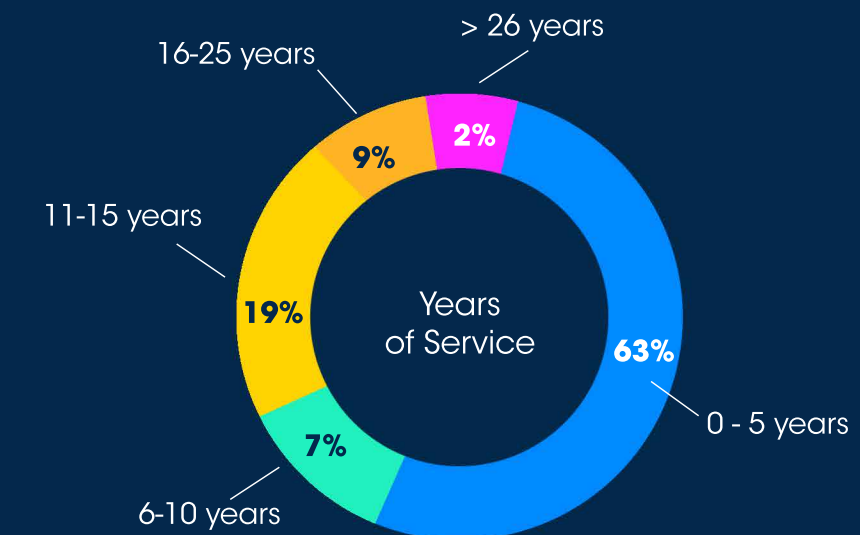


Securing Our Water Supply

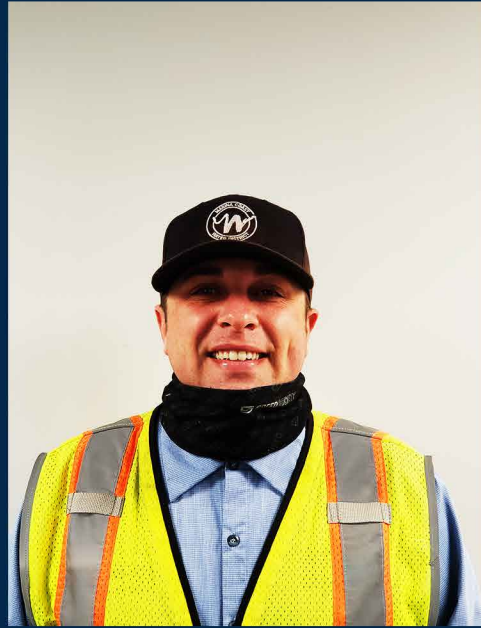


10
staff members
hired in 2021

8
employees
5 years and greater
reached their
anniversaries



2021 ANNIVERSARIES



TRAVIS MARTENS
METER READER, 5 YEARS

Travis Martens joined the District on September 12, 2016, as a Meter Reader. He is a great team player and is always willing to help in all areas of Customer Service. During his tenure, Travis has trained another meter readers and continues to offer his support whenever it is needed. His collaboration with his Supervisor on maintaining the District's new housing development meter inventory and the ongoing register (over 1400) change-out program has been key to staying on top of developer needs and ensuring accurate and timely readings for billing.



TUAN NGUYEN
SYSTEM OPERATOR II, 15 YEARS

Tuan Nguyen began his employment with the District, as a Meter Reader, on January 3, 2006. Through Tuan's hard work, he was promoted to a System Operator I within the Operations and Maintenance Department in 2007. Following Tuan's promotion into the O&M Department, Tuan began obtaining his water certifications in both Distribution and Treatment. In April of 2009, Tuan was promoted to a System Operator II.



JOE PINEDA
OPERATIONS & MAINTENANCE SUPERVISOR, 15 YEARS

Joe Pineda began employment with the District as a Collections System Operator I in 2006. In November 2007, he was promoted to the position of System Operator I, and then promoted again in 2009 to a System Operator II. Joe actively sought out certification in both water and sewer and became the District's Backflow and Cross Connection Specialist. Joe has been instrumental in instituting and managing the District's cross connection program.



RENE MAGDALENO
ELECTRICAL/MECHANICAL TECHNICIAN, 15 YEARS

Rene began employment with the District as a Meter Reader on October 16, 2006. In July of 2010, Rene was promoted to a System Operator I and then promoted again in 2011 to a System Operator II. Rene always shows up to work early, willing to learn, and takes the initiative to take on new projects or duties. Through Rene's hard work and dedication, he was promoted again in January 2021 to an Electrical/Mechanical Technician. This position was nearly created and critical to the District to ensure the District's pump stations are maintained and operational.



TAMELA HATFIELD
ACCOUNTING SUPERVISOR
10 YEARS

Ms. Hatfield joined the District on November 14, 2011, as Accountant II. Upon her arrival, Tamela was charged with finishing the closing of Fiscal Year 2010-2011, participating in the financial audit, and preparing the District's Comprehensive Annual Financial Report (Annual Report). Not only did Tamela complete all the tasks and met every deadline, but the Annual Report she completed was also awarded the Certificate of Achievement for Excellence in Financial Reporting from the Government Finance Officers Association (GFOA).

MCWD BOARD OF DIRECTORS



JAN SHRINER
PRESIDENT

Jan is a trained biologist and continues to enjoy a lengthy career in outdoor education that has included both private and public sector roles.

Jan was first elected to the MCWD Board in 2010. Her current term ends in 2022.



HERBERT CORTEZ
VICE PRESIDENT

Herbert is currently working at Hartnell College in the office of Curriculum & Instructional Support. Herbert is also a member of the Monterey County Democratic Central Committee. He has served on the City of Marina's Economic Development Commission. He received his Master's Degree in Public Policy from Pepperdine University. Herbert resides in Marina with his wife Carolina and two sons Emilio and Andres.



THOMAS MOORE
DIRECTOR

Tom is a retired Army Colonel and currently teaches for the U.S. Naval War College Program at the Naval Postgraduate School.



GAIL MORTON
DIRECTOR

Gail is an attorney in private practice and has been a community leader serving as Marina's Mayor Pro Tem and Councilmember previously. Her current term ends in 2022.



MATT ZEFFERMAN
DIRECTOR

Matt is a former Air Force civil engineering officer with a doctorate in ecology who teaches and conducts research at the Naval Postgraduate School.



MARINA COAST WATER DISTRICT
11 Reservation Rd., Marina, CA 93933
Tel. No. (831) 384-6131
www.mcwd.org
customerservice@mcwd.org

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-G

Meeting Date: February 22, 2022

Prepared By: Derek Cray

Approved By: Remleh Scherzinger

Agenda Title: Adopt Resolution No. 2022-05 to Approve the District's 2022 Sewer System Management Plan

Staff Recommendation: The Board of Directors to approve the District's 2022 Sewer System Management Plan.

Background: *Strategic Plan Mission Statement – We provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Marina Coast Water District (District) owns, operates, and maintains the wastewater collections systems for Central Marina and the Ord Community. The State Water Resource Control Boards (SWRCB) regulate the wastewater collection system under General Order No. 2006-0003-DWQ, "Statewide Waste Discharge Requirements for Sanitary Sewer Systems," and amendment No. WQ 2013-0058-EXEC, "amending the monitoring and reporting program from Statewide general waste discharge requirements for sanitary sewer systems."

Discussion/Analysis: As a requirement under the 2006-003 DWQ General Order, the District was required to implement a Sanitary Sewer System Management Plan (SSMP), which sets forth a plan on how to mitigate and reduce sanitary sewer overflows (SSO's). This requirement is for all systems that operate sewer collection systems greater than one mile in length. The SSMP must be originally certified by the enrollee's governing Board and shall be updated every five years and submitted to the SWRCB.

The Board of Directors last approved the SSMP in February 2017 by Resolution No. 2017-11. If any significant changes occur, the Board must recertify the document. The significant changes to the document this year include updated content and reporting requirements. The SWRCB has streamlined reporting to reduce the redundancy requirements of the enrollee to notify multiple agencies. This has helped to relieve the confusion many agencies had when they received multiple reports of the same SSO by different agencies. It has also helped speed up the response and cleanup time, as crews can focus their time on mitigating the problem. Other updates to the document reflect recent project accomplishments and organizational or system changes.

The District has been and is fully compliant with all areas of the SSMP, and staff is regularly trained on its importance and how to respond and mitigate any SSO's that occur. The plan is located at various locations within the District and posted on the District's website.

As a final note, the SWRCB recently published its new draft WDR on January 31, 2022, which will supersede the current WDR. This will likely require another version of the SSMP to be certified and submitted to the SWRCB. It is unknown when the final version will be officially approved and all the required components within it; however, it is anticipated to be within the calendar year 2022.

Environmental Review Compliance: None required.

Financial Impact: ____ Yes X No **Funding Source/Recap:** None

Other Considerations: None

Material Included for Information/Consideration: Resolution No. 2022-05; and, a copy of the 2022 Sewer System Management Plan.

Action Required: X Resolution ____ Motion ____ Review
(Roll call vote is required.)

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

February 22, 2022

Resolution No. 2022 - 05
Resolution of the Board of Directors
Marina Coast Water District
Approving the District's 2022 Sewer System Management Plan

RESOLVED by the Board of Directors ("Board") of the Marina Coast Water District ("District"), at a regular meeting duly called and held on February 22, 2022 via a video conference pursuant to Governor Newsom's Executive Order N-29-20, as follows:

WHEREAS, the District owns, operates, and maintains the wastewater collections systems for Central Marina and the Ord Community; and,

WHEREAS, the State Water Resource Control Boards (SWRCB) regulate the wastewater collection system under General Order No. 2006-0003-DWQ, and amendment No. WQ 2013-0058-EXEC; and,

WHEREAS, under General Order No. 2006-003-DWQ, the District is required to submit a Sewer System Management Plan (SSMP) to the SWRCB; and,

WHEREAS, the Board last adopted the SSMP in February 2017 by Resolution No. 2017-11; and,

WHEREAS, the SSMP shall be certified by the governing body and submitted to the SWRCB upon any significant changes every five years; and,

WHEREAS, the 2022 SSMP has been updated to reflect changes in the District's organization and collection system and updated notification and reporting requirements.

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors of the Marina Coast Water District does hereby approve and adopt the District's 2022 Sewer System Management Plan.

PASSED AND ADOPTED on February 22, 2022 by the Board of Directors of the Marina Coast Water District by the following roll call vote:

Ayes: Directors _____

Noes: Directors _____

Absent: Directors _____

Abstained: Directors _____

Jan Shriner, President

ATTEST:

Remleh Scherzinger, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2022-05 adopted February 22, 2022.

Remleh Scherzinger, Secretary



Marina Coast Water District Sewer System Management Plan (SSMP)

Revised February 2022

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INTRODUCTION

SSMP SUMMARY

On May 2, 2006, the State Water Resources Control Board (SWRCB) Enacted Order No.2006-0003-DWQ Statewide General Waste Discharge Requirements for Sanitary Sewer Collection Systems (WDR). The WDR requires any public agency that owns or operates a sanitary sewer system more than one mile in length to comply with the requirements of the WDR to reduce the number of Sanitary Sewer Overflows (SSOs). SSOs are overflows from systems of various types of wastewater that may result in polluted surface and groundwater and adverse impacts to aquatic life and public health. The WDR applies to these systems that convey treated or partially treated wastewater to a Publicly Owned Treatment Works (POTW) in the State of California. Under this WDR, agencies and/or cities must electronically report all SSOs to the State Water Resources Control Board (SWRCB) and develop a Sewer System Management Plan (SSMP) which describes how each agency operates, maintains, and evaluates its sewer system. The SSMP must include the following eleven elements:

- I. Goal
- II. Organization
- III. Legal Authority
- IV. Operations and Maintenance Program
- V. Design and Performance Provisions
- VI. Overflow Emergency Response Plan
- VII. FOG Control Program
- VIII. System Evaluation and Capacity Assurance Plan
- IX. Monitoring, Measurement, and Program Modifications
- X. SSMP Program Audits
- XI. Communication Program

Each of these elements forms a section of this document which is intended to specify procedures and activities that the District utilizes to manage its wastewater collection system including maintenance and repairs of infrastructure to limit liability, severity of damage, and to protect

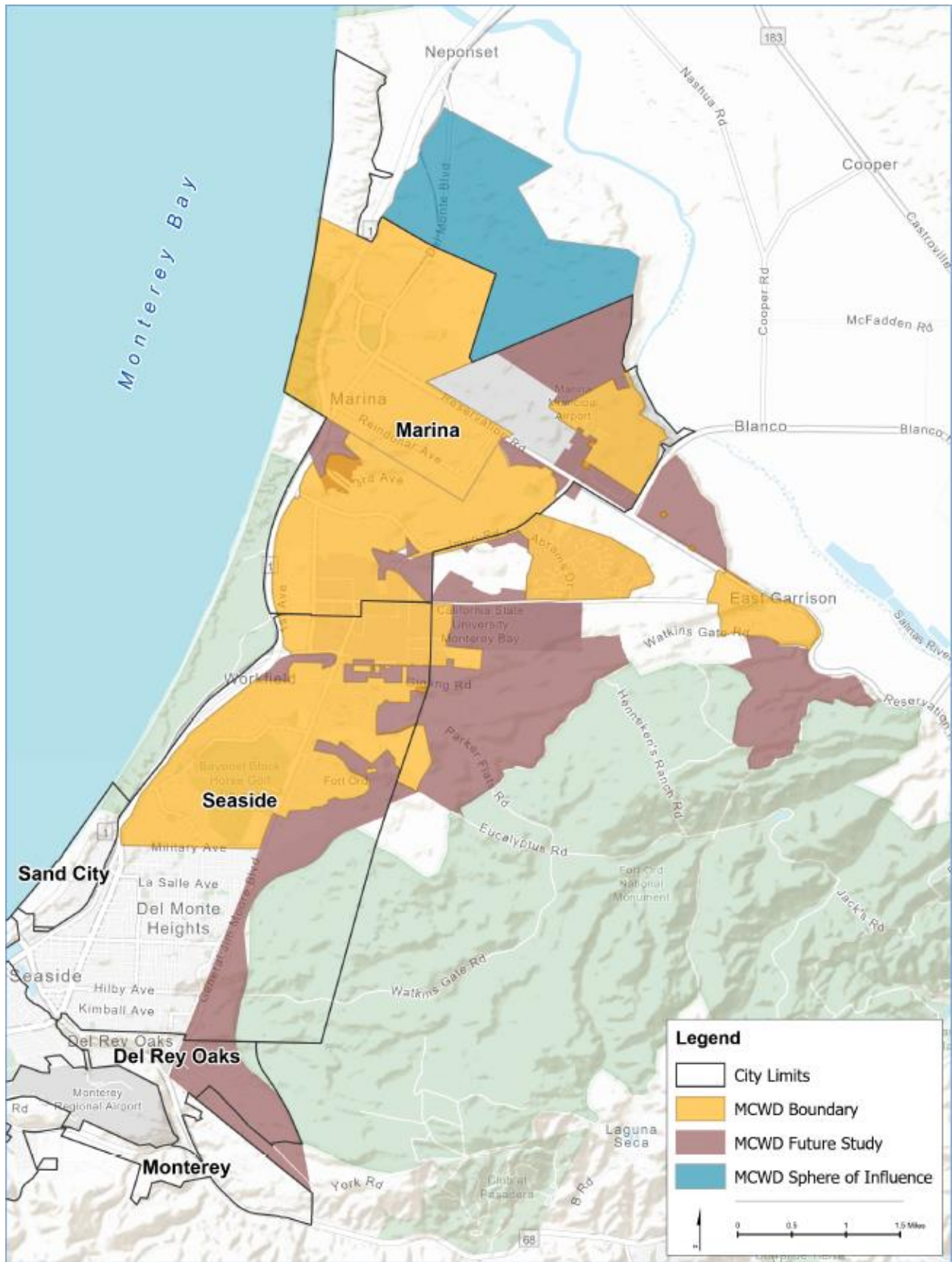
human health and the environment. Effective management of a wastewater collection system includes, but is not limited to the following:

- Minimizing the number and impact of SSOs
- Managing, maintaining and/or improving the collection system infrastructure in such a manner as to provide reliable service to the community well into the future
- To provide adequate sewer capacity to convey peak flows
- To cost effectively minimize infiltration/inflow (I&I) and to provide adequate sewer capacity to accommodate design and or potential storm flows

COLLECTION SYSTEM OVERVIEW

Marina Coast Water District (the District) is located in Monterey County, approximately 10 miles north of Monterey, and is situated in the northwest corner of Monterey County. The closest cities are Castroville which is approximately six miles north, and Seaside located approximately seven miles south. The District was founded in 1960 to provide water services to residential, commercial, industrial and environmental uses for the unincorporated community of Marina. Currently, the District provides potable water, recycle water, and wastewater conveyance services for Central Marina and the Ord Community. The Ord Community service area encompasses 44 square miles while the Central Marina service area covers 3.2 square miles. The approximate population of the District service area is 37,500 with approximately 9,420 service connections. The District owns and operates 20 lift stations, more than 145 miles of gravity sewer pipeline and 8 miles of forced main to convey wastewater to the Monterey One Water (M1 Water) regional Wastewater Treatment Facility. Sewage is conveyed to an interceptor and measured at the M1 Water's pump station for the Marina collection system and at the Flume structure for the Ord Community collection system, located at the abandoned Ord Wastewater Treatment Plant.

Figure 1. District current and future service areas.



Section I.

Goals

REQUIREMENTS

The primary goal of the SSMP is to provide a plan and schedule to properly manage, operate, maintain, construct, and repair all parts of the Enrollee's sanitary sewer system. This will help reduce and prevent sanitary sewer overflows as well as mitigate any SSOs that do occur.

DISTRICT GOALS

District goals to aid in the implementation and success of the SSMP include:

- Properly manage, operate, maintain, and construct all parts of the wastewater collection system
- Provide adequate capacity to convey peak wastewater flows
- Minimize the frequency of SSOs
- Mitigate the impact of SSOs
- Comply with all applicable regulatory and reporting requirements

GOAL IMPLEMENTATION

To implement the goals of the SSMP, the District must further develop and periodically review this document to ensure that the following objectives are met. Those objectives are outlined as follows:

- Methodically clean all sewer lines on a scheduled basis
- Provide monthly, quarterly, bi-annual, and annual preventative maintenance of problematic areas (hot spots) within the collection system
- Conduct a video (CCTV) inspection/assessment of each sewer mainline every five years and continuously thereafter identifying areas requiring root control, repairs, and additional maintenance as evident through video inspection
- Conduct appropriate analysis/evaluation of SSOs by utilization of systemic maintenance and activity data collection of trouble spots that may be identified by visual observation and CCTV of the collection system

- Identify collection system blockage due to fats, oils, grease (FOG) and develop strategies to mitigate blockages
- Maintain records of the sanitary sewer system and respond to customer inquiries, concerns, and complaints
- Continue with the development of capital improvement projects directed at a high level of maintenance of the current District assets by improving system reliability and providing adequate future capacity

Section II.

Organization

REQUIREMENTS

The SSMP must identify:

- The name of the responsible or authorized representative as described in Section J of the WDR
- The names and telephone numbers for management, administrative and maintenance positions responsible for the implementation of specific measures in the SSMP program. The SSMP must identify lines of authority through an organization chart or similar document with a narrative explanation; and

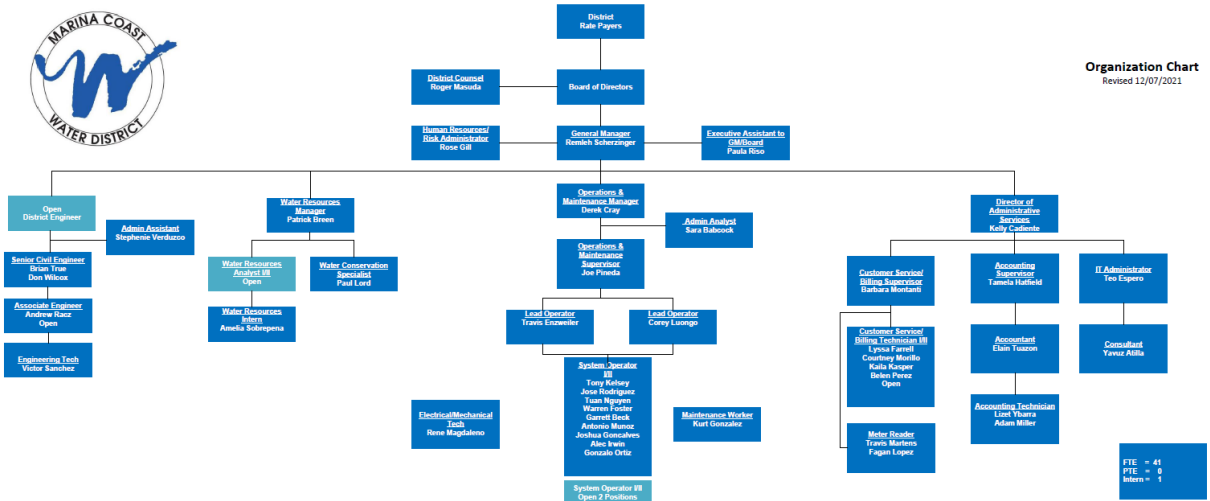
The chain of communication for reporting SSOs, from receipt of a complaint or other information, including the person responsible for reporting SSOs to the State and Regional Water Board and other agencies if applicable (such as County Health Officer, County Environmental Health Agency, and/or California Emergency Management Agency (CAL-EMA)).

ORGANIZATIONAL STRUCTURE

The District Departments include Administration, Water Resources, Engineering, and Operations and Maintenance (O&M). Lines of authority/communication and specific positions involved in SSMP implementation are outlined in Figure 2. Contact information and descriptions of specific personnel responsible for SSMP implementation and SSO communication are further described below and in Table 1. The Operations and Maintenance Manager and the Operations and Maintenance Supervisor are the legally responsible individuals for the District and are authorized to certify SSO reports to the required regulatory agencies, including electronic spill reports to the SWRCB.

Organizational Chart

Figure 2.



PERSONNEL AND RESPONSIBILITIES

The Operations and Maintenance Manager is primarily responsible for developing, implementing, auditing, and maintaining the District’s SSMP; although, he may delegate certain responsibilities to other District staff. The following District personnel are involved in SSMP implementation and are critical for SSO communication/response and SSMP success.

Board of Directors (Board): The Board of Directors is an elected governing board of the District responsible for establishing policy.

General Manager (GM): The General Manager is responsible for management of the District. The GM leads staff, allocates resources, delegates responsibility, authorizes contracts, provides updates to the Board, implements policy, and serves as a Public Information Officer. The General Manager reports to the Board.

District Engineer (DE): The District Engineer is responsible for the management of the Engineering Department and oversees all water and sewer capital improvement projects. This individual helps coordinate the development and implementation of the District's SSMP and assists in the preparation of documents, reports, and permits, providing support to all parts of District operations. The District Engineer also enforces policy and ensures compliance with laws, ordinances and regulations. This person leads staff, allocates resources, delegates responsibility, creates and manages capital improvement projects, authorizes outside contractors to perform services and serves as a Public Information Officer in the absence of the General Manger. The District Engineer reports to the General Manager.

Operations and Maintenance (O&M) Manager: The Operations and Maintenance Manager is responsible for the management of the potable water, recycle water and the sanitary sewer collection system. The O&M Manager is responsible for the development, implementation, auditing, maintenance and update of the District's SSMP. This individual is also one of the legally responsible individuals for certifying applications, reports and other information. The O&M Manager enforces policy, plans strategy, prepares water, recycle water, and wastewater planning documents. This person leads, directs, mentors staff, allocates resources, delegates responsibility, authorizes outside contractors to perform services.

Operations and Maintenance (O&M) Supervisor: The Operations and Maintenance Supervisor manages field operations and maintenance activities for the potable water, recycle water, and wastewater collection system. The Supervisor prepares reports and provides relevant information to the O&M Manager. This individual also prepares and implements contingency plans, leads emergency response, investigates customer complaints, and trains field crews. The Operations and Maintenance Supervisor reports directly to the (O&M) Manager and is one of the legally responsible individuals for certifying applications, reports, or other required information to regulatory agencies.

Lead Operator: Lead Operators operates the potable water, recycle water, and wastewater system, directs preventative maintenance activities, leads emergency response, trains field crews, and prepares and implements contingency plans. This staff member mobilizes and responds to notification of sewer stoppages and SSOs. The Lead Operator also investigates SSOs and reports to the Operations and Maintenance Supervisor.

System Operator I/II: The System Operator I/II is involved in wastewater collections operations, field maintenance, and responds to SSOs. This person is involved in preventive maintenance activities, and mobilizing and responding to notification of stoppages and SSOs (mobilize sewer cleaning equipment, bypass pumping equipment, portable generators and associated mitigation materials and tools). The position reports to the Lead Operator and the Operations and Maintenance Supervisor.

SSO REPORTING & CHAIN OF COMMUNICATION

The SSO chain of communication begins with discovery of a spill by District staff or through an SSO call to the District main line (831-384-6131). If an SSO call is received during normal business hours (Monday - Friday: 6:30am - 4pm), the District operator or the staff member who discovered the spill will contact the individuals listed in Table 1 in the specified order. If an SSO call is made to the District main line outside of business hours the call will be forwarded to an answering service center where an operator will contact on-call staff members. On-call personnel are staffed 24 hours a day and seven days a week and are subject to disciplinary action if they fail to respond.

Once an SSO call has been received and the appropriate staff members have been notified, the SSO report is directly dispatched to the corresponding utility response crews for confirmation and to begin initiating containment and cleanup. The O&M Supervisor and the Lead Operator will direct the utility field crew(s) through the SSO event, if needed, including determination of SSO cause, removing the blockage, containing and cleaning the spill in addition to any mitigation measures. These individuals are also responsible for communicating all details to the O&M Manager and ensuring that all necessary paperwork and field reports are completed. The primary

responder or the on-call staff member is responsible for external notification of the appropriate regulatory agencies within the timeframes specified by each agency.

Table 1. List of District staff members who will be contacted in the specified order in the event of an SSO.

ORDER NUMBER	STAFF ASSIGNED by ORDER NUMBER	TITLE DESCRIPTION	CONTACT INFORMATION
1	Sewer On Call Staff	On call - Sewer	Cell: (831) 242-0587
2	Water On Call Staff	On call – Water	Cell: (831) 277-2128
3	Joe Pineda	O&M Supervisor	Cell: (831) 324-5091
5	Derek Cray	O&M Manager	Cell: 831-682-3908

The O&M Supervisor and the O&M Manager are the legally responsible individuals who will report and certify SSO events to the applicable regulatory agencies. Depending on the size and nature of the SSO, the following agencies may be notified and/or given SSO reports:

- Monterey County Environmental Health Department (MCEH)
- Central Coast Regional Water Quality Control Board (RWQCB)
- State Water Resources Control Board (SWRCB)
- California Emergency Management Agency (CAL EMA)
- California Department of Fish and Game

See Section VI. Overflow Emergency Response Plan and Appendix A. (*Sanitary Sewer Overflow Notification and Response Plan*) for further details on SSO response procedures and reporting processes. These plans are intended to be refined and periodically improved to ensure that all corrective measures and procedures are being implemented to further reduce the frequency and impact of SSOs in the District service area.

Section III.

Legal Authority

REQUIREMENTS

The Enrollee must demonstrate, through sanitary sewer system use ordinances, service agreements, or other legally binding procedures that it possesses the necessary legal authority to:

- Prevent illicit discharges into its sanitary sewer system (examples may include infiltration and inflow (I&I), storm water, chemical dumping, unauthorized debris.); Require that sewers and connections be properly designed and constructed;
- Ensure access for maintenance, inspection, or repairs for portions of laterals or mains owned by the Enrollee;
- Limit the discharge of fats, oils and grease (FOG) and any other debris that may cause blockages, and
- Enforce any violation of its sewer ordinance.

EXISTING LEGAL AUTHORITY

The District possesses the necessary legal authority to prevent illicit discharges, require design standards, ensure access for maintenance/inspection, FOG discharges, and enforce violations as required by the WDR. Documents adopted by the District demonstrating this legal authority include the District Water Code, *Standard Plans and Specifications for Construction of Domestic Water, Sewer, and Recycled Water Facilities* (Standard Plans and Specifications) and *Procedures, Guidelines and Design Requirements* (Design Requirements). Sections of the District's Standard Plans and Specifications were updated 2007 while Design Requirements was revised in 2015 to reflect current engineering practices and new standards. Sanitary sewer requirements and regulations are addressed in Title 5 - Sewer System Service of the District Water Code and sections of Design Requirements and Standards and Specifications that apply to sewer facilities. The main purpose of the latter documents is to ensure proper design and construction of sewer facilities. Applicable sections establishing the required legal authority are listed in Table 2 while excerpts from the listed sections are available in Appendix B, C and D.

Table 2. Summary of sections from various documents that establish District legal authority.

Section IV.

LEGAL AUTHORITY TO:	DISTRICT WATER CODE	STANDARD PLANS AND SPECIFICATIONS	DESIGN REQUIREMENTS
Prevent illicit discharges into its wastewater collection system	5.20.020 Drainage into sanitary sewers prohibited 5.20.030 Use of storm sewers required 5.20.040 Types of wastes prohibited 5.12.020 Treatment of wastes required		500.10 Industrial Pretreatment
Require that sewers and connections be properly designed and constructed	5.08.010 Violation unlawful 5.16.010 Permit to connect 5.16.020 Construction requirements 5.16.170 Plans, profiles and specifications required 5.16.240 Design and construction standards	Various sections (i.e. Section 02701 Installation of gravity sewer pipelines)	Section 300.19 Project Construction Section 500 Design Criteria for Sewer Facilities
Ensure access for maintenance, inspection or repairs for portions of the mains or laterals owned or maintained by the District	5.08.100 Powers and authorities of inspectors 5.24.110 All work to be inspected	Section 02701 Installation of gravity sewer pipelines: N. CCTV Inspection and O. Final Inspection	300.19.6 Inspection of work 300.19.7 District authority
Limit the discharge of fats, oils and grease and other materials, substances or debris that may cause blockages	5.20.050 Grease trap, grease interceptor or other device required 5.20.060 - Maintenance (Ordinance 38, 2003)	Section 03463 Grease Interceptors	500.11 Grease Interceptors
Enforce any violation of its sewer ordinance	5.08.030 Violation 5.08.090 Means of Enforcement Only 5.08.110 Violation - Misdemeanor 5.08.120 Liability for Violation 5.08.060 Public nuisance 5.08.070 Disconnection		

Operation and Maintenance Program

REQUIREMENTS

- Maintain an up-to-date map of the sanitary sewer system, showing all gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable storm water conveyance facilities;
- Describe routine preventive operation and maintenance activities by staff and contractors, including a system for scheduling regular maintenance and cleaning of the sanitary sewer system with more frequent cleaning and maintenance targeted at known problem areas. The Preventative Maintenance program should have a system to document scheduled and conducted activities, such as work orders;
- Develop a rehabilitation and replacement plan to identify and prioritize system deficiencies and implement short-term and long-term rehabilitation actions to address each deficiency. The program should include regular visual and TV inspections of manholes and sewer pipes, and a system for ranking the condition of sewer pipes and scheduling rehabilitation. Rehabilitation and replacement should focus on sewer pipes that are at risk of collapse or prone to more frequent blockages due to pipe defects. Finally, the rehabilitation and replacement plan should include a capital improvement plan that addresses proper management and protection of the infrastructure assets. The plan shall include a time schedule for implementing the short- and long-term plans plus a schedule for developing the funds needed for the capital improvement plan;
- Provide training on a regular basis for staff in sanitary sewer system operations and maintenance, and require contractors to be appropriately trained; and
- Provide equipment and replacement part inventories, including identification of critical replacement parts.

COLLECTION SYSTEM MAPS

The District maintains both AutoCAD and GIS data set maps of the collection system. In 2021, the District's GIS system went through a significant update, which included the addition of new infrastructure that the District took ownership of, adjusting the pipe segments to allow a faster response, modeling, and the inclusion of flow indication arrows on the sanitary sewer line to show the direction of flow.

Storm water conveyance facilities are not included on collection system maps as the District does not own, operate, or maintain storm water facilities. However, the Operations and Maintenance staff has been educated about the local storm drainage network due to the possibility of SSOs entering storm drains. The District works closely with local jurisdictional agencies that own these systems, allowing the District to access storm water maps and if necessary, mitigate spills that enter the storm water network. District collection system maps are updated electronically by a GIS technician as new facilities are constructed while hard copies are kept on file at the District office.

PREVENTATIVE OPERATION AND MAINTENANCE

The District has developed several maintenance approaches to accomplish the primary goal of reducing SSO frequency through identification and removal of blockages within the system. These approaches include: preventative, reactive, and routine maintenance in addition to trouble spot cleaning, inspections, and FOG and root control. The District utilizes the Azteca™ "Cityworks" Computerized Maintenance and Management System (CMMS) which incorporates collection system maps, service requests, work orders, and historical data to schedule, track and report maintenance and cleaning activities geographically. In 2018, the District underwent a significant upgrade in Cityworks, which provided custom work order templates, inspection templates which are used at all of the District's pump stations, preventative work orders scheduling, as well as the ability to show vertical and linear assets within a desired base map to allow work orders and history to be associated with them.

Preventative operations and maintenance activities are typically routine hydro-cleaning (jetting) of sewer mains with priority given based on the last time a particular section of mainline was cleaned. The District goal is to clean 100% of its sewer mains routinely each year through the use

of two jetter trucks maintained in the District's assets. Other preventative maintenance activities include FOG control and frequent cleaning of specific areas known as trouble spots. Trouble spots are areas that have exhibited frequent maintenance issues and are targeted for inspections and cleaning. Jetting of trouble spots occurs routinely depending on the severity of the problem within the main, and the overflow risk. See Figure 3. for a list of trouble spots. Reactive maintenance activities occur in response to citizen complaints or service requests.

Sanitary sewer inspections include visual inspections of manholes and sewers and Closed Circuit Televising System (CCTV) inspections. CCTV inspections are often performed as a quality control measure and allow for a more thorough inspection and identification of system deficiencies. FOG control includes implementation of a FOG control program that includes identification of problem areas, requirements for device installation and disposal, in addition to public outreach (See Section VII. FOG Control Program for further details). Lift stations are monitored and maintained daily through connection to a Supervisor Control and Data Acquisition (SCADA) monitoring system and regularly inspected using a Lift Station CMMS inspection template. Key lift stations are visited each working day with the smaller less critical lift stations visited one to three times per week. Budget dollars continue to be allocated toward purchase of preventative maintenance equipment and capital improvements to ensure success of the preventative operation and maintenance program.

REHABILITATION AND REPLACEMENT

The District evaluates the condition of its sewer assets through visual and CCTV inspections that aim to assess, identify, and correct collection system deficiencies that may cause system failures and overflows. On-going visual condition assessments include observation of the interior condition of pipeline, to determine structural deficiencies and maintenance needs in addition to locating debris within the system which may indicate a pipeline problem. The District's CCTV van is used to further assess portions of the sewer system necessitating repairs and to better estimate future costs and funding needs. CCTV of sewer mains and manholes are given an assessment grade utilizing the District's CCTV program POSM, which incorporates NASSCA pipeline assessment scores. Information gathered during these condition assessments is maintained and prioritized in the CMMS database and used to select infrastructure for repair, rehabilitation, or replacement. Factors such as maintenance history, age and material of infrastructure is also used to prioritize

and select projects requiring short and long-term rehabilitation actions. For example, if a specific pipeline receives three reactive maintenance actions in any one year, it is brought to the Engineering Department's attention for consideration as a rehabilitation or replacement project.

Master plan studies of the Ord Community and Central Marina collection systems were adopted in 2020. The 2020 master plans assessed pipeline condition, identified areas of concern, made rehabilitation recommendations, and identified candidates for repair or upsizing. Results of these studies were used in conjunction with inspection data to formulate and prioritize capital improvements projects to correct deficiencies and provide future capacity. Short-term rehabilitation and replacement plans are represented by the annual Capital Improvement Plan (CIP) budget for the Central Marina and the Ord Community sewer systems which is updated annually. Long-term rehabilitation and replacement projects are represented by the five-year CIP budget which is also updated annually. These budgets are approved by the Board of Directors while funds are developed and provided through monthly charges to rate payers, sanitary sewer capacity fees, municipal bond issue, federal/state loans or grants, and other related fees.

TRAINING

System Operators are required to attend formalized collection training and obtain a California Water Environment Association (CWEA) Collection System Operator certification at a level corresponding to their job responsibilities. Field crew staff also receive training in repair and maintenance of pumps from Flygt Corporation, who is the major manufacturer of pumps in District lift stations. Staff are also currently NASSCO certified in Pipeline Assessment Certification Program (PACP). The District's Operations and Maintenance department has on-call services with Contractors for pipeline repair or construction, motor, PLC, and SCADA work. The District trains contractors through either written or verbal communication prior to collection system construction and requires that contractors be experienced in sanitary sewer work in addition to fully complying with all relevant regulations, policies, and standards.

EQUIPMENT AND REPLACEMENT PARTS INVENTORY

The District keeps an inventory of major sewer equipment and replacement parts to ensure continued operation of the sewer collection system and timely repair of system malfunctions. The District continuously maintains necessary equipment to repair sewer lines and pumping stations

such as small tools, sewer cleaning trucks, emergency diesel generators, bypass sewage pumps, trucks with hoist capabilities and critical replacement parts, such as spare pumps for key lift stations. The District ensures that these pieces of equipment and replacement parts are readily available, operable, and reliable. In addition, the District is attempting to standardize all sewer pump stations by using only Flygt brand pumps in as many lift stations as possible to simplify maintenance/replacement and reduce the impact of failure.

Figure 3. Trouble Spot list



MCWD Trouble Spots

2021

NO.	Spot Name	City	Every	Last	Last
1	Parson Circle	Marina	4 Months		
2	Peninsula & Susan Rd.	Marina	3 Months		
3	Nicklas Lane	Marina	4 Months		
4	Ora Court to Carroza Ave. (Low Pressure)	Marina	3 Months		
5	Robin Dr.	Marina	4 Months		
6	Dog Alley (Access road to Parson Circle)	Marina	4 Months		
7	Cypress Ave. and Sunset Ave.	Marina	3 Months		
8	Del Monte Ave. & Cypress	Marina	2 Months		
9	Lynscott Dr. to Crivello Rd. Low Pressure at Top	Marina	3 Months		
10	Modern Lane	Marina	2 Months		
11	Eucalyptus Street	Marina	2 Months		
12	Vista Del Camino & Peninsula Dr.	Marina	3 Months		
13	Viking Lane (Low Pressure)	Marina	2 Months		
14	Horse Stable at 4th California or 4th avenue	Marina	6 Months		
15	Crestview Court by Perc Lot	Marina	2 Months		
16	Palm Ave. & lake Drive	Marina	6 Months		
17	Patton Drive	Marina	3 Months		
18	Abdy Way by Church and perc lot	Marina	2 Months		
19	Crescent Street Manhole by Lift Station	Marina	3 Months		
20	San Pablo Ave. & Marina Drive	Marina	2 Months		
21	Seaside Circle by Holiday Inn	Marina	3 Months		
22	Owen Rd. & Reindollar Ave.	Marina	6 Months		
23	Messinger Dr. to Perc Lot	Marina	4 Months		
24	Westwood Court to Perc Lot	Marina	3 Months		
25	Jordan Ct	Marina	3 Months		
26	Ellen Ct.	Marina	3 Months		
27	Sunset Ave. and Hillcrest Ave.	Marina	4 Months		
28	California Ave. and Carmel Ave.	Marina	4 Months		
29	Carmel Ave. and Redwood rd.	Marina	3 Months		
30	Carmel Ave and Sunset Ave.	Marina	3 Months		
31	Owen rd.& Hillcrest Ave.	Marina	4 Months		
32	Barbee Ct.	Ord	3 Months		
33	Scott Ct.	Ord	3 Months		
34	Livarty Rd. By College	Ord	3 Months		
35	Arloncourt & Hatten Rd.	Ord	4 Months		

36	Fredericksburg Ave.	Ord	2 Months		
37	Malmedy # 604	Ord	3 Months		
38	Carentan & Elbe Ct.	Ord	3 Months		
39	Okinawa Rd # 195	Ord	3 Months		
40	General Moore Behind Fitch Housing	Ord	4 Months		
41	Metz Rd # 202	Ord	3 Months		
42	Metz & Tunisia	Ord	3 Months		
43	Noumea Rd & New Guinea	Ord	3 Months		
44	Saipan & Rabb	Ord	3 Months		
45	Chapel Drive Behind Marshall Housing	Ord	3 Months		
46	Ardennes Rd. 218	Ord	3 Months		
47	Noumea Rd & Luzon Rd.	Ord	3 Months		
48	Aachen Ct.	Ord	3 Months		
49	Noumea Rd # 140	Ord	3 Months		
50	Metz rd. 226	Ord	6 Months		
51	Combs ct.	Ord	3 Months		
52	Normandy and Anzio rd.	Ord	3 Months		
53	Normandy and Monterey rd.	Ord	3 Months		
54	Ardennes circle. # 354	Ord	3 Months		
55	Napples and Anzio	Ord	4 Months		
56	Salerno Rd.	Ord	4 Months		
57	Neeson Rd.	Ord	4 Months		
58	Coe Ave. & Buttercup Blvd.	Ord	4 Months		
59	Fora Buildings	Ord	4 Months		
60	Luzon Rd. # 190	Ord	3 Months		
61	Imgman Ct.	Ord	6 Months		
62	Okinawa & Noumea Rd.	Ord	3 Months		
63	Third ave. & 10th Street	Ord	2 Months		
64	Gigling Ave. & California Rd.	Ord	4 Months		
65	Okinawa Rd # 158	Ord	4 Months		
66	Parker Flats by The Clinic	Ord	4 Months		
67	Malmedy & Kalborn Rd.	Ord	4 Months		
68	Nijgemen Rd.	Ord	4 Months		
69	Manhole between Kalborn and Nijgemen Rd.	Ord	4 Months		

Section V.
DESIGN AND PERFORMANCE
PROVISIONS

REQUIREMENTS:

- Design and construction standards and specifications for the installation of new sanitary sewer systems, pump stations and other appurtenances; and for the rehabilitation and repair of existing sanitary sewer systems; and
- Procedures and standards for inspecting and testing the installation of new sewers, pumps, and other appurtenances and for rehabilitation and repair projects.

DESIGN AND CONSTRUCTION STANDARDS

District Water Code (Section 5.16.240 Design and construction standards) states that minimum standards for the design and construction of sewers shall be in accordance with current design standards and standard specifications. This information is contained in the District's *Procedures, Guidelines and Design Requirements (Design Requirements)* and *Standard Plans and Specifications for Construction of Domestic Water, Sewer, and Recycled Water Facilities (Standard Specifications)*. The purpose of the District's *Standards and Specifications* is to provide requirements and minimum standards for installation of new sewer facilities and rehabilitation of existing structures. *Design Requirements* governs construction of all new sewer improvements and rehabilitations in addition to providing guidance to planners, engineers and construction personnel. This document includes the District's plan check, review, and approval process which further ensure proper design and construction. These documents were updated between 2007 and 2015 and are available on the District's website. Excerpts from *Standard Specifications* are listed in Appendix C while sections from *Design Requirements* can be found in Appendix D.

INSPECTION AND TESTING STANDARDS

Section 5.24.110 of the District Water Code (All work to be inspected) states that all sewer construction work shall be inspected by a District inspector to ensure compliance with all design and construction requirements of the District. District inspection requirements in addition to testing procedures are described in the *Standard Specifications* and *Design Requirements* documents. All new sewer installations and improvements, including manholes and appurtenances, are tested and inspected according to these standards while new sewer main lines are air tested using the American Water Works Association (AWWA) recommended air-testing procedures. Inspections are performed during and following construction of new sewer facilities using the District's *Construction Inspection Manual*, which is available for reference as general guidelines during the inspections. The District's construction contract governs in any conflict between the contract documents and the inspection manual, and ensures that sewer infrastructure is not placed into service until substantial completion and acceptance by the District Engineer.

Section VI.

Overflow Emergency Response Plan

REQUIREMENTS

Each Enrollee shall develop and implement an overflow emergency response plan that identifies measures to protect public health and the environment. At a minimum this plan must include the following:

- Proper notification procedures so that the primary responders and regulatory agencies are informed of all SSOs in a timely manner;
- A program to ensure an appropriate response to all overflows;
- Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities (e.g. health agencies, Regional Water Boards, water suppliers etc.) of all SSOs that potentially affect public health or reach the waters of the State in accordance with the Monitoring and Reporting Program (MRP). All SSOs shall be reported in accordance with this MRP, the California Water Code, other State Law and other applicable Regional Water Board WDRs and or National Pollutant Discharge Elimination System (NPDES) permit requirements. The SSMP should identify the officials who will receive immediate notification;
- Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Emergency Response Plan and are appropriately trained;
- Procedures to address emergency operations, such as traffic and crowd control and other necessary response activities; and
- A program to ensure that all reasonable steps are taken to contain and prevent the discharge of untreated and or partially treated wastewater to water of the United States and to minimize or correct any adverse impact on the environment resulting from SSOs, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the discharge.

GENERAL

The District has developed and implemented a *Sanitary Sewer Overflow Notification and Response Plan* (Appendix A) that outlines SSO notification, response and reporting procedures. This plan intends to minimize property damage, service interruptions and public health hazards by providing specific information for District personnel regarding SSO communication, response, remediation and reporting. The State Water Resources Control Board (SRWCB) has established guidelines for classifying and reporting SSOs through the current WDR for sanitary sewer systems. SSO notification and reporting requirements vary based on the following SSO categories:

Category 1

All discharges of sewage resulting from a failure in the District's sanitary sewer system that:

- Reach surface water and/or reach a drainage channel tributary to a surface water; or,
- Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).

Category 2

- Discharges of untreated or partially treated wastewater of **1,000 gallons or greater** resulting from an enrollee's sanitary sewer system failure or flow condition that **do not** reach surface water, a drainage channel, or MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly.

Category 3

- All other discharges of untreated or partially treated wastewater resulting from and enrollee's sanitary sewer system or flow condition.
- **Private Lateral Sewage Discharges (PLSD)** Discharges of untreated or partially treated wastewater resulting from blockages or other problems **within a privately owned sewer lateral** connected to the enrollee's sanitary sewer system or from other private sewer assets. PLSDs that the enrollee becomes aware of may be voluntarily reported to the California Integrated Water Quality System (CIWQS) Online SSO Database.

NOTIFICATION

The notification process usually begins with discovery of a spill during routine inspections or through an SSO call from a concerned citizen. The first responder will follow the chain of communication described in Section II, for internal notification of all appropriate staff members and to initiate external notification processes. Regardless of SSO category, the District requires that the primary responder call Monterey County Environmental Health (MCEH) immediately. The MCEH operator will notify the appropriate Monterey County Health Department staff (Environmental Services Division) and summon an Environmental Health Specialist (EHS) to the spill site.

If the spill is a Category 1 SSO, the O&M Supervisor or the O&M Manager will complete the following notification procedures to ensure compliance with the requirements of the individual regulatory agencies and state laws:

- Notify the California Office of Emergency Services (CAL OES) within two hours from when the spill was discovered or reported
- Notify the Monterey County Environmental Health department as soon as possible after responding to the spill
- Notify California Department of Fish and Wildlife if the spill is discharged to any tributary, creek, or natural waterway of the State
- Notify the Monterey County Water Resources Agency if the spill is discharged into any tributary, creek or other water body that empties into the Salinas River

In the event of a catastrophic SSO or when a spill poses a hazard to the public, the public notification requirements of Proposition 65 will be followed. The District will post a sign or web notification and/or establish a hotline/voicemail system to notify the public and protect public health and the environment. Water quality sampling and testing will be performed as necessary and all notifications/reporting procedures will be initiated and updated as conditions warrant.

RESPONSE PROGRAM

District policy is to respond to all SSOs within the District service area to prevent SSOs from reaching the storm drains, flood control channels, or any waters of the State. District staff occasionally provide mutual aid outside of the District service area to assist adjacent organizations

if necessary. Depending on the size and nature of an SSO, the District may also require the assistance of outside contractors and vendors to provide support to District staff and District owned equipment. Should additional resources be required, the O&M Manager will make the required decisions regarding additional staffing, materials, and resources.

Specific procedures have been developed by the District to ensure a timely and efficient response and the health of District ratepayers and the environment. The District's *Sanitary Sewer Overflow Notification and Response Plan* (Appendix A) and the chain of communication described in Section II, describe how the District's O&M staff communicate during SSO response. Certain notification and response procedures exist during business and non-business hours and for various categories of SSOs. The SSO event will then be dispatched to corresponding utility response crew(s) who is directed by the O&M Supervisor. The District requires a thirty-minute response time for all standby personnel. These O&M personnel will respond to the SSOs by completing the following tasks in the most timely and efficient manner possible:

- Removal of blockage causing the SSO clean-up and containment
- Documentation of the SSO with photographs
- Filing of necessary paperwork including a written report to the O&M Supervisor
- Communicate with the O&M Supervisor throughout the process who will in turn communicate with the O&M Manager.
- Minimize impacts on human health and the environment

Staff at the District office are also prepared to assist with SSO response by arranging for services, answering phone calls, accessing engineering plans and filing reports. The O&M Supervisor and the O&M Manager will conclude SSO response by ensuring that all necessary agencies are notified, and reports are submitted according to the most current requirements and regulations.

AGENCY NOTIFICATION AND REPORTING

The appropriate regulatory agencies will be contacted pursuant to the most current published notification and reporting requirements by the individual regulatory agency and other applicable state laws. The following regulatory agencies will be notified according to the requirements and procedures described in the previous section (Notification): CAL-OES, Monterey County Health Department (MCEH), Monterey County Water Resources Agency and the California Department of Fish and Wildlife. SSO reports will be filed with the Central Coast RWQCB CIWQS online

portal. Regardless of SSO category, the District will complete the Marina Coast Water District internal Incident Report included in Appendix A and keep it on file at the District office. In addition, the O&M Supervisor or O&M Manager will file SSO reports online through the CIWQS system in the manner according to the requirements of the current WDR as shown in Table 3:

Table 3. WDR Reporting Requirements

ELEMENT	REQUIREMENT	METHOD
NOTIFICATION (see section B of MRP)	<ul style="list-style-type: none"> • Within two hours of becoming aware of any Category 1 SSO <u>greater than or equal to 1,000 gallons discharged to surface water or spilled in a location where it probably will be discharged to surface water</u>, notify the California Office of Emergency Services (Cal OES) and obtain a notification control number. 	Call Cal OES at: (800) 852-7550
REPORTING (see section C of MRP)	<ul style="list-style-type: none"> • Category 1 SSO: Submit draft report within three business days of becoming aware of the SSO and certify within 15 calendar days of SSO end date. • Category 2 SSO: Submit draft report within 3 business days of becoming aware of the SSO and certify within 15 calendar days of the SSO end date. • Category 3 SSO: Submit certified report within 30 calendar days of the end of month in which SSO the occurred. • SSO Technical Report: Submit within 45 calendar days after the end date of any Category 1 SSO in which 50,000 gallons or greater are spilled to surface waters. • "No Spill" Certification: Certify that no SSOs occurred within 30 calendar days of the end of the month or, if reporting quarterly, the quarter in which no SSOs occurred. • Collection System Questionnaire: Update and certify every 12 months. 	Enter data into the CIWQS Online SSO Database (http://ciwqs.waterboards.ca.gov/), certified by enrollee's Legally Responsible Official(s).
WATER QUALITY MONITORING (see section D of MRP)	<ul style="list-style-type: none"> • Conduct water quality sampling within 48 hours after initial SSO notification for Category 1 SSOs in which 50,000 gallons or greater are spilled to surface waters. 	Water quality results are required to be uploaded into CIWQS for Category 1 SSOs in which 50,000 gallons or greater are spilled to surface waters.
RECORD KEEPING (see section E of MRP)	<ul style="list-style-type: none"> • SSO event records. • Records documenting Sanitary Sewer Management Plan (SSMP) implementation and changes/updates to the SSMP. • Records to document Water Quality Monitoring for SSOs of 50,000 gallons or greater spilled to surface waters. • Collection system telemetry records if relied upon to document and/or estimate SSO Volume. 	Self-maintained records shall be available during inspections or upon request.

TRAINING

District staff members who are involved in responding to, reporting, or remediating an SSO will receive training as part of the Operations and Maintenance training program. This training involves reading and maintaining copies of the SSMP, including the *Sanitary Sewer Overflow Notification and Response Plan*, and participating in any necessary refresher training. Employees are also trained on how to use and implement the District's Emergency Response Plan. All new employees of the Operations and Maintenance staff are trained to respond appropriately to SSOs.

EMERGENCY OPERATIONS AND RESPONSE

The District has drafted many Standard Operating Procedures that define step by step on how to respond to emergency situations, such as an SSO, or a failure of a pump station. The District also has an Emergency Response Plan that has incident report forms, vendor and contractor numbers, and action plans for various different emergency situations. The District's field crews are trained to respond to emergencies at all times and if needed, the District utilizes its list of pre-approved qualified contractors. The District has the ability to engage the services of independent contractors through purchase order processes so there will be no delays in responding to an SSO. Both the District and the emergency contractors have traffic control equipment that complies with Caltrans standards and that can be used for situations such as crowd control. The local Fire Department will be contacted if additional assistance such as traffic control is required.

SPILL CONTAINMENT, PREVENTION AND MITIGATION

The District follows a variety of procedures and precautions to contain and prevent discharge to surface waters and to minimize impacts of SSOs. In order to contain wastewater, field crews are required to use mats, sandbags or straw waddles to block catch basin entrances to storm drains and to vacuum up SSOs and wash down water. Impacts of SSOs are minimized through procedures such as these in addition to notifying appropriate agencies and District personnel as soon as possible of the SSO event. All SSOs are reported immediately to the Monterey County Health Department to help assess the situation and any impacts to water quality. To further prevent SSOs in the future and minimize impacts to the environment, the *Sanitary Sewer Overflow Notification and Response Plan* will be modified or periodically improved to ensure that all corrective measures and procedures are being implemented to further reduce the impact of SSO's in the District service

area. The O&M Supervisor and Manager will work to provide recommendations for refining existing plans and increasing preventative maintenance activities to prevent future SSO events.

Section VII.

Fats Oils & Grease (FOG) Control Program

REQUIREMENTS

Each Enrollee shall evaluate its service area to determine whether a FOG control program is needed. If the Enrollee determines that a FOG program is not needed, the Enrollee must provide justification for why it is not needed. If FOG is found to be a problem, the Enrollee must prepare and implement a FOG source control program to reduce the amount of these substances discharged to the sanitary sewer system. This plan shall include the following as appropriate:

- An implementation plan and schedule for a public education outreach program that promotes the proper disposal of FOG;
- A plan and schedule for the disposal of FOG generated within the sanitary sewer service area. This may include a list of acceptable disposal facilities and/or additional facilities needed to adequately dispose of FOG generated within the sanitary sewer system service area;
- The legal authority to prohibit discharges to the system and identify measures that are required to prevent SSOs and blockages caused by FOG;
- Requirements to install grease removal devices (such as traps or interceptors), design standards for the grease removal devices, maintenance requirements, best management practices (BMPs) requirements, record keeping and reporting requirements;
- Authority to inspect grease producing facilities, enforcement authorities, and whether the Enrollee has sufficient staff to inspect and enforce the FOG ordinance;
- An identification of sewer system sections subject to FOG blockages and establishment of a cleaning maintenance schedule for each section; and
- Development and implementation of source control measures for all sources of FOG discharged to the sanitary sewer system, for each section that may be identified.

GENERAL

The District adopted a fats, oil, and grease (FOG) control ordinance (Ordinance 38) in 2003 as FOG was determined to be a leading cause of sewer line blockages and spills. The District has since developed and implemented a FOG control program, with the assistance of the Monterey One Water agency (M1 Water), in an effort to reduce the amount of FOG discharged to the sewer system and reduce SSOs caused by FOG blockages. The FOG control program includes the following components:

- Discharge prohibitions
- FOG removal device requirements and notification letters
- Initial inspections of new facilities or change of business
- Compliance re-inspections
- Ensuring proper maintenance, cleaning and record keeping
- Enforcement actions for non-compliant businesses
- Surveys of businesses with FOG discharge potential
- Identification of problematic sewer sections
- FOG Disposal Plan
- Educational outreach
- Creation of a FOG database

Several of these elements are described in detail in the remainder of this section as required by the current WDR.

PUBLIC OUTREACH

The District is a member of the Southern Monterey Bay Dischargers Group which is a partnership of local wastewater collection system and treatment agencies dedicated to public education on fats, oils, and grease (FOG). The District joined the consortium in 2004 and has participated in the regional development and implementation of a public outreach and education program to local businesses and residents to encourage and promote appropriate disposal of FOG. The outreach program consists of a multi-media campaign including TV commercials, social media, community presentations and newspaper, radio and online advertisements. A website for Clog Busters also exists for additional FOG information and resources at www.clogbusters.org. The Clog Buster's

approach provides a consistent message about how to properly dispose FOG and has proven to increase overall public awareness and reduce the amount beach closures in the Monterey Bay area. The cost of the regional education program is divided between members of the discharge group based on population. The District continues to support the program each year by funding approximately 11.7% of the total costs. For specific information on public outreach efforts for FY 20-21 see Appendix E, WDR Grease Public Outreach Plan and the Southern Monterey Bay Dischargers Group Proposed Public Outreach Campaign.

FOG DISPOSAL

The District FOG Disposal Plan will be conducted on an on-going and as needed basis. This plan includes proper handling and disposal of grease material removed from the sanitary sewer system for disposal at the Monterey One Water (M1 Water) facility. M1 Water is a regional disposal site that collects and recycles FOG from grease interceptors and uses this as an energy source for one of their power plants. Alternative disposal options and facilities in the Monterey area have been explored and are listed in Table 3 for future reference. All records of FOG removal/disposal for control devices, carriers and specific locations are maintained in a FOG database utilizing the XC2 software program. The District currently has 104 Commercial properties in the database. The public is informed of disposal options by means of the public outreach efforts described previously.

Table 3. Grease hauling facilities in the Monterey area that accept FOG generated in the District service area.

Business/Organization	Phone Number
All Valley Environmental, Inc.	(559) 498-8378
HMB	(831) 210-0189
KB Grease Trap Service	(408) 661-5804
Greenline/Tom's Septic Tank Service	(831) 422-2298
Liquid Environmental Solutions	(415) 730-7038
P.S.T.S (Peninsula Septic Tank Service)	(831) 659-2465
Pioneer Liquid Transport	(408) 287-5800
SRC Pumping Company	(916) 363-5840
Sequential	(800) 447-3794
Monterey One Water	(831) 424-1108

LEGAL AUTHORITY

The District has the legal authority to control and limit discharges to the sewer system and require that grease interceptors, traps or other comparable devices be installed to minimize grease problems in the collection system. This authority is stated in the District's *Procedures, Guidelines and Design Requirements* (Design Requirements), *Standard Plans and Specifications for*

Construction of Domestic Water, Sewer and Recycled Water Facilities (Standard Specifications) and the District Water Code. FOG requirements apply to all food service establishments or businesses discharging FOG or related materials. Specifically, the District Water Code (Section 5.20.040) provides the required legal authority to prohibit FOG discharges exceeding 100 parts per million (ppm) into the sewer system and the authority to identify measures which prevent SSOs and blockages caused by FOG.

REQUIREMENTS FOR GREASE REMOVAL DEVICES

Various sections of the District Water Code, Standard Specifications and Design Requirements documents detail installation requirements and design standards for grease removal devices. The District Water Code provides the legal authority to require grease traps or interceptors for FOG dischargers and details accessibility, inspection, and reporting requirements. The District's Standard Specifications document (Section 03463 Grease Interceptors) specifies device installation materials and location requirements while the District's Design Requirements document (Section 500.11 Grease Interceptors) contains standards for design and maintenance. The District requires that grease traps or interceptors be maintained and periodically cleaned at the expense of the owner and that these devices be readily accessible for inspection by the District.

INSPECTION AUTHORITY

Marina Coast Water District has the authority to inspect grease producing facilities and businesses and to enforce provisions of applicable District sewer use ordinances. Section 5.24.110 of the District Water Code explains how all work is to be inspected while Section 5.08.100 describes the powers and authorities of inspectors. Specifically, Section 5.20.060 of the District Code states that the general manager or his/her designee will perform grease trap/interceptor inspections on a bi-annual basis. If a grease trap/interceptor fails to operate properly or if maintenance reports are not provided by the establishment, inspections may be more frequent as determined at the discretion of the District. Enforcement is conducted as needed in response to reports provided by field crews that respond to SSO events or areas that are identified during maintenance of the sanitary sewer system. It may be required to add additional staff to meet the inspection and enforcement requirements as mandated by these ordinances and to further comply with the current WDR. Enforcement and identification of problem areas shall be included in future training that is to be

conducted as part of the overall SSMP program to ensure an appropriate response to sanitary sewer overflows.

AREAS SUBJECT TO FOG BLOCKAGES AND CLEANING

The District becomes aware of areas in the collection system subject to FOG blockages through comprehensive inspection and maintenance initiatives. The District performs routine visual and Closed Circuit Televising System (CCTV) inspections which identify potential FOG blockages and provide information on system function and efficiency. Routine maintenance of the District's collection system on a scheduled and on-going basis also allows District staff members to assess collection system condition and identify areas requiring more frequent maintenance due to FOG. All inspections and maintenance activities are recorded in a Computerized Maintenance and Management System (CMMS) which schedules, tracks and reports these activities for organization and management of the collection system geographically. The CMMS maintains information on areas within the collection system subject to FOG blockages and allows these areas to be inspected, cleaned, and maintained appropriately. Specific "hot spots" receive monthly, quarterly, bi-annual, and annual preventative cleaning and maintenance activities based on the specific issues of the area and overflow history.

SOURCE CONTROL MEASURES

The District has developed and implemented a formal FOG source control program with assistance from the M1 WATER as described previously. The District has since incorporated similar M1 WATER policies and regulations regarding FOG source control in the District Water Code, Design Requirements and Standard Specifications documents. Specific source control measures utilized by the District include proper installation of control devices (grease traps or interceptors), initial inspections to ensure installation, compliance re-inspections, and routine pumping and inspection of the customer owned grease removal equipment, as well as routine scheduled cleaning and maintenance of areas of the collection system subject to FOG and public outreach initiatives to reduce initial discharge of FOG to the collection system.

Section VIII.
SYSTEM EVALUATION AND
CAPACITY MANAGEMENT ASSURANCE PLAN

REQUIREMENT

Each Enrollee shall prepare and implement a capital improvement plan that will provide hydraulic capacity of key sanitary sewer system elements for dry weather peak flow conditions, as well as the appropriate design storm or wet weather event. At a minimum, the plan must include:

- Evaluation: Actions needed to evaluate those portions of the sanitary sewer system that are experiencing or contributing to an SSO discharge caused by hydraulic deficiency. The evaluation must provide estimates of peak flows (including flows from SSOs that escape the system) associated with conditions similar to those causing overflow events, estimates of the capacity of key system components, hydraulic deficiencies (including components of the system limiting capacity) and the major sources that contribute to the peak flows associated with overflow events.
- Design Criteria: Where design criteria do not exist or are deficient, undertake the evaluation identified in above to establish appropriate design criteria.
- Capacity Enhancement Measures: The steps needed to establish a short- and long-term CIP to address identified hydraulic deficiencies, including prioritization, alternatives analysis, and schedules. The CIP may include increases in pipe sizes, I/I reduction, increases and redundancy in pumping capacity, and storage facilities. The CIP shall include an implementation schedule and shall identify sources of funding.
- Schedule: The Enrollee shall develop a schedule of completion dates for all portions of the capital improvement program developed in above. This schedule shall be reviewed and updated consistent with the SSMP review and update requirements.

EVALUATION

The District recently upgraded its GIS-based software for the preparation of the 2020 Sewer Master Plans, to InfoSWMM. InfoSWMM allows for hydraulic modeling of the District's

wastewater collections system. This software allows for mapping of sewer infrastructure, analysis of flow scenarios, evaluation of collection system capacity, and is updated as infrastructure improvements are made. As part of the 2020 Masterplans, more than 105 miles of sewer pipeline modeling was performed. Model flows for existing and future conditions were generated using Peak Dry Weather Flow and Peak Wet Weather Flow in addition to infiltration and inflow analysis. Projected flows were compared to estimated hydraulic capacity of pipelines, lift stations and force mains to identify locations with projected deficiencies based on growth projections through the intermediate term of 2040. From these studies, capital improvement planning for the collection system has been placed into action with focus on correcting the potential for overflows.

DESIGN CRITERIA

Design criteria established to evaluate existing collection system components and to set up requirements for new facilities and sources of information for establishing design parameters include the District's *Procedures, Guidelines and Design Requirements*. Design criteria were also based on collection system mapping, manhole surveys, lift station data, flow monitoring data, water use records and development projections. Design parameters were used to determine flow rates/factors, establish model input parameters and develop the hydraulic analyses for evaluation under existing and future conditions. The key design criteria is summarized in Table 4.

Table 4. Design criteria used in the Ord Community and Marina Master Plan hydraulic modeling studies.

Category	Parameter	Criteria
Gravity Pipe Hydraulics	Manning's n	0.013
	Peak Dry Weather Flow Max d/D	≤ 12" pipe = 0.67
		15" to 24" pipe = 0.80
		≥ 27" pipe = 0.90
	Peak Wet Weather Flow Criteria	No surcharging within 3 feet of rim elevation
	Max Velocity	8.0 fps
Min Velocity	2.0 fps	
Force Main Hydraulics	Roughness 'C' Value	110
	Max Velocity	10.0 fps
	Min Velocity	2.0 fps
Peaking Factors	Definition	PDWF/ADWF
	Flow Monitoring Basin M-1	2.11
	Flow Monitoring Basin M-2	1.76
	Flow Monitoring Basin M-3	1.64
	Flow Monitoring Basin M-4	1.64
	Flow Monitoring Basin O-1	1.68
	Flow Monitoring Basin O-2	2.04
	Flow Monitoring Basin O-3	1.92
	Flow Monitoring Basin O-5	2.04
	Flow Monitoring Basin O-6	2.28
I/I Factor - Existing	Return Frequency	10-Year
	Duration	24 Hours
	I/I Factor	63% of ADWF
I/I Factor - New Developments	Return Frequency	10-Year
	Duration	24 Hours
	I/I Factor	63% of ADWF
Design Flow	ADWF	ADWF
	PDWF	ADWF x PF
	PWWF	ADWF x PF + I/I Factor

CAPACITY ENHANCEMENT MEASURES

Hydraulic analyses of the Ord Community and Marina collections systems include identification of structural deficiencies and potential Capital Improvement Plan (CIP) projects to accommodate existing and future flows. Hydraulic analyses for both Ord Community and Central Marina

collection systems indicated various pipeline segments and lift stations in need of rehabilitation, replacement or upsizing in order to accommodate system capacity for projected growth until the Year 2040. All collection system deficiencies identified in hydraulic modeling studies do not necessarily require capacity enhancements or inclusion into the CIP. The ultimate need for improvement is dependent on the actual rate of development within the District, level of overflow risk, flow scenario, existing pipe characteristics, impacts to health/safety, funding, and whether the problem is eliminated through other District projects. The Engineering Department uses the results of the hydraulic analyses to design the most efficient and cost-effective solutions and to explore project alternatives. Projects are considered and prioritized based on the above criteria for inclusion into the short and long-term CIP's. Short-term improvements are considered for incorporation into the District's annual CIP while long-term improvements are considered for 5-year CIP's, both of which must be adopted by the Board of Directors annually. The CIP budgets are based on the annual available funds developed and provided through monthly charges to ratepayers, sanitary sewer capacity fees, municipal bond issues, federal/state loans or grants, and other related fees.

Evaluation of the District's collection systems through hydraulic modeling has allowed for identification of system deficiencies and provided guidance for CIP project designs and capacity enhancement measures. Hydraulic deficiencies can be improved through measures such as installation of larger pipelines and pipelines with a greater slope, re-routing flows, enhancing lift station capacity and decreasing excessive infiltration and inflow. In response to hydraulic analyses, the District has addressed deficiency concerns through a variety of projects that include lift station upgrades, pipeline upsizing or extensions and sewer main improvements to increase system reliability and ensure capacity. See Table 5 for a list of recently completed and current CIP projects that address collection system deficiencies and ensure adequate capacity. Funding sources for CIP projects include funding from developers, monthly chargers to rate payers, sanitary sewer surcharge venues, municipal bond issue, federal/state loans or grants, and other related fees. The District also maintains an Emergency Reserve Fund to fund any equipment replacements or emergency repairs if necessary.

Table 5. Summary of force main, sewer main and lift station CIP projects that were recently completed or are in the design/construction phase in the last 5 years.

CIP #	Lift Station (LS), Force Main and Sewer Main Improvement Projects	Description (existing capacity/diameter, new capacity/diameter, length etc.)	Final CIP Estimated Cost	Status
MS-0323	<i>Replace LS #5, Cosky</i>	Replace existing Lift Station with new	\$688,545	Completed 2018
OS-0348	<i>Odor Control for Imjin Lift Station</i>	Add odor control at Imjin Lift Station	\$100,000	Not yet started
OS-0350	<i>Imjin Parkway Gravity Sewer Manhole Rehabilitations</i>	Rehabbing of 10 existing Manholes	\$75,000 (FY 21/22)	Not yet started
OS-O152	<i>Booker, Hatten, Neeson LS Improvements</i>	Lift Station improvements	\$798,000 (FY 21/22)	Neeson Completed in 2019, Booker Completed 2022
OS-0203	<i>Gigling Lift Station and Force Main Improvements</i>	Replace Lift Station and Force Main	\$2,021,079 (FY21-22)	Gigling Force Main Completed 2022
OS-0205	<i>Imjin LS Improvement</i>	Addition of new wetwell, valve pit, MCC, ATS, and an additional pump.	\$1,161,370 (FY 21/22)	Completed in 2021
WD-0309	<i>HMI Installation at Water/Sewer Sites</i>	Installation of Human Machine Interface (HMI) screens at all sewer lift stations	\$325,000 (FY20/21)	Completed in 2021
OS-0241	<i>Ord Village LS and Force Main Improvements</i>	Complete lift station and force main replacement.	\$2,897,000	Construction under way, completion set for 03/2022

SCHEDULE

Many components of the CIP have recently been completed including establishment of design criteria, formal evaluation of the Marina and Ord Community collection systems and prioritization of CIP projects. In addition, the District’s hydraulic modeling system is utilized to assess collection system condition and to detect any necessary improvements. Annual CIP projects have been identified through the Fiscal Year 2021/2022, and through the Fiscal Year 2026-2027 for the 5-year CIP. Projects in the annual CIP are either in the planning, design or construction phases. Implementation of these improvement projects will depend on funding availability and development growth needs. The CIP implementation schedule will therefore be developed on an on-going basis and may be altered as part of annual budgeting and CIP processes.

Section IX.
MONITORING, MEASUREMENT AND PROGRAM
MODIFICATIONS

REQUIREMENTS

- Maintain relevant information that can be used to establish and prioritize appropriate SSMP activities;
- Monitor the implementation and, where appropriate, measure the effectiveness of each SSMP element;
- Assess the success of the preventative maintenance program;
- Update program elements, as appropriate, based upon monitoring or performance evaluations; and
- Identify and illustrate SSO trends, including: frequency, location and volume.

SSMP ACTIVITY PRIORITIZATION

The District utilizes a variety of information/metrics to establish and prioritize SSMP activities in order to ensure success of the SSMP. District staff members are responsible for the implementation, monitoring and update of specific SSMP components/activities and are trained accordingly. Training of staff is a critical element of the District's SSMP as professionalism of staff and the level of service to the rate paying public is enhanced. Additionally, training serves to increase and maintain a sense of *esprit de corps* amongst the staff and ensures that staff members maintain relevant information to establish, promote and prioritize SSMP activities.

SSMP EFFECTIVENESS MONITORING

The District monitors implementation of the SSMP and measures effectiveness through condition assessments, cleaning/maintenance records, inspections, and through inventory of the collection system and manholes. The District's collection system is rigorously maintained through these initiatives in addition to the use of performance indicators to assess the effectiveness of the SSMP. The following performance measures are used for SSMP evaluation:

- Total number of SSOs and cause (roots, grease, debris, pipe failure, capacity, lift station failures)
- Ratio of sewage contained to the volume spilled
- Total volume spilled per year
- Number of SSOs of spill within each category of SSO (1, 2 and 3)
- Performance during SSO response and preventative maintenance activities (Actual compared to the goal)

PREVENTATIVE MAINTENANCE ASSESSMENT

The District aims to ensure success of the preventative maintenance program through provision of sufficient resources while utilizing the Computerized Maintenance and Management System (CMMS), as the primary tool used to track and assess maintenance progress geographically. The CMMS is utilized by the O&M Department to monitor and adjust preventative maintenance activities through documentation of routine maintenance checks and collection system cleaning/flushing. Routine inspections are performed at each of the District's sewer lift stations daily and recorded into the CMMS program. Preventative maintenance is performed either monthly, quarterly, semi-annual, or annually, depending on the condition and overflow risk of a particular hotspot. These maintenance activities are recorded into a work order into the CMMS which then auto populates the next work order depending on the frequency listed above. Unscheduled inspections are also performed of vulnerable areas. These inspections, assessments, and documentations allow for evaluation of the overall preventative maintenance program. Budget dollars continue to be allocated toward purchase of preventative maintenance equipment to ensure success of the program. In recent years, the District has purchased a new Vactor Combination Cleaner, Vactor Hydro Cleaner, Lateral CCTV Camera, Backhoe, dump truck, and safety equipment in order to maintain a clean collection system and ensure a safe work environment.

SSMP UPDATES AND PERFORMANCE MONITORING

The District uses various performance measures, as described above (Effectiveness Monitoring) to evaluate its collection system, and allow for identification of SSMP elements requiring revisions and updates. The District is also developing management tools such as a Performance Indicator

matrix that is meant to improve understanding of collection system complexities and aid in performance monitoring. Performance Indicator matrices allow for inventory of collection system responses (preventative and corrective) and for continuous examination which will help identify SSMP program changes and necessary collection system improvements. The District strives to assess collection system performance on an on-going basis and is committed to the use of performance measures at least once a year for collection system evaluation. The District will update information, approaches, and requirements in addition to prioritizing actions of the SSMP based on results of these evaluations and as deemed necessary. The SSMP will be reviewed and updated at a minimum of every five years to ensure the goals of the SSMP are met.

SSO TRENDS

Historical performance data are summarized in Table 6 and will be used along with previously discussed performance measures to assess SSMP effectiveness and detect SSO trends. SSO trends will be reviewed annually to measure program success and adjust SSMP activities.

Table 6. Baseline performance information for the District’s sanitary sewer system in the last five years.

Gravity Sewer, Pump Station, and Force Main SSOs by Calendar Year	Number of Gravity Sewer SSOs	Number of Pump Station SSOs	Number of Force Main SSOs
2021	6	0	3
2020	4	0	0
2019	1	0	1
2018	7	0	1
2017	2	0	0

Section X.

SSMP AUDITS

REQUIREMENTS

As part of the SSMP, the Enrollee shall conduct periodic internal audits, appropriate to the size of the system and the number of SSOs. At a minimum, these audits must occur every two years and a report must be prepared and kept on file. This audit shall focus on evaluating the effectiveness of the SSMP and the Enrollee's compliance with the SSMP requirements identified in subsection D.13 of the WDR, including identification of any deficiencies in the SSMP and steps to correct them.

The District will audit implementation, compliance and effectiveness of its SSMP on an annual basis. This internal audit will be conducted by March 15th of the year following the calendar year for which the analysis applies. The scope of the audit will include each major component of the SSMP and will address any deficiencies in addition to identifying correction measures. A major element of the audit includes a self-monitoring program which includes scheduled examination of collection system management and institutes self-correcting before problems escalate into major issues. Routine self-monitoring sessions include weekly review of collection system logs, discussions with the system operators, weekly flush truck and equipment inspections with immediate follow-up on corrective maintenance, recording and discussion of the monthly collection system monitoring matrix, and incorporating required or identified changes in the matrix on an as-needed basis. The following documents cover major SSMP elements and are to be used in the annual SSMP audit:

- Sanitary Sewer Overflows
 - Class and Volume
- Monthly, and annual footage and mileage of mains hydro-cleaned
- Monthly, and annual footage and mileage of mains CCTV'd Lift Station Failures
- Fog Inspections performed
- Training Performed
- CIP updates

Results of the audit along with recommendations and suggested improvements will be included in an audit report and kept on file at the District office. The District will update the SSMP as considered necessary based on these results.

Section XI.

COMMUNICATION PROGRAM

REQUIREMENTS

- The Enrollee shall communicate with the public on the development, implementation, and performance of its SSMP. The communication system shall provide the public the opportunity to provide input to the Enrollee as the program is developed and implemented.
- The Enrollee shall also create a plan of communication with systems that are tributary and/or satellite to the Enrollee's sanitary sewer system.

COMMUNICATION INITIATIVES

The District will communicate with the public on the implementation, performance, and development/update of the SSMP on an ongoing basis utilizing various outreach materials. The District will keep ratepayers and stakeholders informed about requirements of the WDR and SSMP activities through public meetings, and the District's website. The District's website provides information on the District's FOG outreach program and other important information such as announcements, agendas, resolutions, and minutes that will contain any status updates on the SSMP. The District's final SSMP will be published on the website following adoption by Resolution by the Board of Directors.

**MARINA COAST WATER DISTRICT
SANITARY SEWER
OVERFLOW
NOTIFICATION
AND
RESPONSE PLAN**

IT'S THE LAW.....!!



ACKNOWLEDGEMENT OF RECEIPT
AND
REVIEW OF SANITARY SEWER OVERFLOW (SSO)
NOTIFICATION AND RESPONSE PLAN

Attached is a copy of Marina Coast Water District Sanitary Sewer Overflow Notification and Response Plan and a copy of the California Hazardous Material Spill/Release Notification Guidance booklet. It is the responsibility of each employee receiving these handouts to read, review, and become familiar with and comply with the procedures outlined within these documents. Failure to comply with any of the procedures may result in disciplinary action.

Please sign, date, and return this acknowledgement of receipt to the MCWD RISK MANAGER. This signed receipt shall be kept in the employee's file.

I have received, read and understand Marina Coast Water District Sanitary Sewer Overflow Notification Plan.

Print Name

Signature

Date

MARINA COAST WATER DISTRICT

SANITARY SEWER OVERFLOW

NOTIFICATION PLAN

DEFINITIONS

Category 1 SSO: All discharges of sewage resulting from a failure in the District's sanitary sewer system that:

- Reach surface water and/or reach a drainage channel tributary to a surface water; or,
- Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond.)

Category 2 SSO:

- Discharges of untreated or partially treated wastewater of **1,000 gallons or greater** resulting from an enrollee's sanitary sewer system failure or flow condition that **do not** reach surface water, a drainage channel, or MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly.

Category 3 SSO:

- All other discharges of untreated or partially treated wastewater resulting from and enrollee's sanitary sewer system or flow condition.

Private Lateral Sewage Discharges:

- Discharges of untreated or partially treated wastewater resulting from blockages or other problems **within a privately owned sewer lateral** connected to the enrollee's sanitary sewer system or from other private sewer assets. PLSDs that the enrollee becomes aware of may be voluntarily reported to the California Integrated Water Quality System (CIWQS) Online SSO Database.

EXTERNAL NOTIFICATION AND REPORTING

Notifications

All notifications will be provided without substantially impeding cleanup, mitigation, or other emergency measures.

- 1. CALL MCEH:** Upon receipt of notification and immediately after field confirmation of a sewer overflow, regardless of whether it is a District main, manhole or other structure, the individual or individuals responding **MUST** call MCEH at **(831) 755-4505**. **When calling MCEH you must request to be connected to the Division of Environmental Health to contact** an Environmental Health Specialist (EHS) to be summoned to the spill site. There shall be **no exceptions** to this notification procedure. Obtain the name of the individuals that you speak with at MCEH and the time that you called. Enter this information into the report form that you complete and or keep detailed notes of the spill incident.
- 2. CALL California Office of Emergency Services (CAL-OES):** This notification is required for **Category 1 SSO, and Category 2 SSO's**. Pursuant to the current WDR, the individual responding **MUST** call CAL-OES at **1-800-852-7550** within **two hours** from the time that the spill was discovered or reported.
- 3. CALL Monterey County Water Resources Agency:** This notification is required of any spill from any of the District facilities (including sanitary sewers, pond overflows etc. that reach the ***Salinas River or any tributary of the Salinas River***). Monterey County Water Resources Agency can be reached 24 hr/day and 7 days/week at **831-755-4860 during normal hours (8:00 AM – 5:00 PM, Monday -Friday), or (831) 796-1166 after hours.**
- 4. CALL California Department of Fish and Wildlife:** If an SSO is discharged to any tributary, creek or ***natural waterbody of the State*** the California Department of Fish and Game **MUST** be contacted at **831-649-2870**.

Reporting

All SSOs must be reported to the required regulatory agencies as soon as 1) District staff have knowledge of the SSO discharge, and/or 2) reporting is possible and/or 3) reporting can be provided without substantially impeding cleanup or other emergency mitigation measures. All other reporting requirements depend on SSO category as described below.

Category 1 SSOs: Draft reports shall be submitted to the CIWQS online SSO database within three (3) business days from when you became aware of the spill. A final, certified report shall be submitted within 15 calendar days of the end of the SSO.

An SSO Technical Report shall be submitted to the CIWQS database within 45 calendar days from the end date of an SSO in which 50,000 gallons or greater was spilled into surface water.

Category 2 SSOs: Draft reports shall be submitted to the CIWQS online SSO database within three (3) business days from when you became aware of the spill. A final, certified report shall be submitted within 15 calendar days of the end of the SSO.

Category 3 SSOs: The District will report Category 3 SSOs to the CIWQS online database within 30 days after the end of the calendar month in which the SSO occurred.

Private Lateral Discharges: This type of SSO will be reported to the CIWQS online database at the discretion of the District.

No Spill Certification: If no SSOs occur within a given calendar month, the District shall certify within 30 calendar days after the end of each calendar month a “no spill”

INTERNAL NOTIFICATION AND REPORTING

If an SSO occurs during normal business hours (Monday – Friday: 6:30am-4pm), the following District personnel must be notified immediately in the following order:

Joe Pineda

Operations and Maintenance Supervisor
831-883-5940 (work)
831-324-5091 (cell)

Standby Sewer

831-242-0587 (cell)

Derek Cray

Operations and Maintenance Manager
831-883-5903 (work)
831-682-3908 (cell)

If an SSO occurs outside of normal business hours the on-call sewer staff member must be contacted at 831-384-6131 to initiate internal and external notification and reporting processes.

EQUIPMENT

In the event that the District Hydro (Jetter) truck and/or Combo Jet/Vacuum truck are unavailable due to mechanical problems contact Greenline Liquid Waste in Salinas at:

831-422-2298 (24-hours/day).

MEDIA CONTACT

Under no circumstances shall a staff member responding to an SSO make any statements, comments, observations, voice any opinions regarding the SSO to the media. Media is defined as radio, television, and newspaper reports. All media releases are to be made by the General Manager or his/her designee.

EMERGENCY OPERATIONS

If additional assistance is required during SSO response, such as traffic control, contact the City of Marina Fire Department at 831-884-1210 during business hours, and call 911 if assistance is needed after business hours.



REGULATORY AGENCY CONTACT INFORMATION

(SSO REPORTING)

In the event of any Category 1 SSO, ALL of the following agencies are *required* to be notified.
There will be no exceptions to the established notification protocol described above.

California Emergency Management Agency (CAL-OES)

PHONE: 1-800-852-7550

FAX: 916-262-1677

- **Monterey County Health Department (Division of Environmental Health)**

PHONE: 831-755-4508 (Salinas Office)

831-647-7654 (Monterey Office)

911 Operator: Connect to Monterey County Communications Dispatch and Monterey County Health Department

- **Monterey County Water Resources Agency (if impacting Salinas River)**

PHONE: 831-755-4860

831-796-1166 (After business hours)

FAX: 831-424-7935

California Department of Fish and Wildlife (if impacting any waterway of the US)

PHONE: 831-649-2870

FAX: 831-649-2894

RESTORATION OF AFFECTED AREAS

The District will make every effort to restore the affected areas to the condition that existed before the SSO occurred by utilizing the following procedures established by the Monterey County Health Department (Division of Environmental Health):

1. Disinfection is required only if the spilled sewage presents a hazard to public health. This determination shall be made by the Monterey County Health Department Environmental Health Specialist (EHS) who responds to the incident. However, the following guidelines must be utilized: Surfaces inside of dwellings and other structures where people live or congregate must be disinfected after a sewage spill. In the event the interior of a dwelling is impacted by the SSO a certified contractor must be contacted to handle the cleanup. The district currently uses Disaster Kleenup, (831) 899-3938, for these services. Objects and surfaces that cannot be disinfected in public buildings or in rental housing should be discarded. Disposition of such objects and surfaces in private homes shall be the responsibility of the homeowner and at discarded at their discretion. However, the EHS should advise the homeowner that sewage can contain pathogens that may cause life-threatening illness and that there is no general “test” to determine if such pathogens exist in sewage damaged objects.
2. Although disinfection of gutters and/or streets is not usually necessary, sidewalks and areas where the public walks or congregates should be disinfected after thorough rinsing and cleaning of debris such as paper products, fecal matter and visible sewage residue. The residual rinse water should be recovered for disposal into the sanitary sewer. SSO respondents (District Staff) are to apply a dilute 50/50 solution of household chlorine bleach and water with a back-pack or Hudson type sprayer.
3. If the SSO occurred in the street, staff shall wash it down utilizing the high-pressure wand on the Jetter or combination cleaner truck and/or utilize the nearest fire hydrant to wash down the affected area(s) utilizing Best Management Practices (BMPs). Staff shall further isolate storm drain inlet structures utilizing sandbags, or other containment measures such as absorbent pads, and or absorbent socks to avoid contamination of the storm drain. District staff shall also recover wash down water by the utilization of vacuum trucks.

4. Disinfection of natural surfaces such as grass or soil is generally not necessary except for the removal of visible sewage residue. However, if the natural surface is part of a schoolyard, playground, or similar location subject to use by the public, removal of the top layer of soil may be required. In the event that the top layer of soil is removed, the “spoils” are to be transported to the Monterey Regional Waste Management District landfill for disposal. Receipt for dumping these materials must be given to the O&M Supervisor. In the event that this occurs, District staff shall replace the removed material with clean fill material.
5. Collect (vacuum) and dispose of any standing or pooled sewage.
6. Recover any sewage within storm drains, channels, curbs, gutters or culverts.
7. Clear all affected areas of paper, solids, (including fecal matter) and any other visual signs of an SSO.
8. ***Do not, under any circumstances, apply bleach, sodium hypochlorite or any type of disinfection product or products to any flow stream that has entered, or is capable of entering a creek, tributary, flood control channel or whose final discharge point is the Salinas River or the ocean.***

SSO FIELD DOCUMENTATION / REPORTING

At a minimum, SSO documentation by the District field team shall include the following:

1. Date, time, name of individual, phone number of: department / agency providing notification.
2. Time of arrival to SSO site.
3. District main causing SSO? Y / N
4. Private Lateral causing SSO? Y / N (If yes, name and address of property owner.)
5. Exact location of the SSO (street address, closest cross street).
6. Exact time that mitigation measures commenced (Jetter/Hydro equipment in use).
7. Exact time that SSO/stoppage was cleared and flow was resumed.
8. Any and all conditions that may have contributed to the SSO, (such as debris, grit, grease, roots, collapsed lines etc.).
9. Did the SSO reach surface water, storm drain or the river? If yes, was a coliform sample taken of the affected area or areas and or the discharge point? Was the coliform sample properly identified, and the chain of custody form completed? Was the coliform sample delivered to the testing laboratory?
10. Total gallons spilled (estimate) based upon field calculations and / or BMP.
11. Total gallons recovered and method(s) of recovery.
12. Damage that was caused by the SSO, and any repairs that were made as a result of the SSO.
13. Photographs of the affected area(s).
14. Date and time that cleanup / restoration was completed.
15. Date, time and pertinent information regarding SSO notification to required regulatory agencies.
16. Debriefing discussion of incident.



Marina Coast Water District
SSO INCIDENT REPORT

Reporting Party: _____ Phone _____

Address: _____

City: _____

Date of overflow: _____ Time overflow began: _____ Time overflow stopped: _____

Overflow Location, (street address), and closest cross street: _____

Overflow manhole GIS Number: _____

Was this a District main causing the overflow? _____ If yes, provide the closest street address to the overflow: _____ Was this a private lateral spill? _____ If yes, provide the name, address and phone number of property owner if available:

Estimated volume of overflow (in gallons): _____ Estimated gallons recovered and method of recovery:

Path of overflow: _____

Did the overflow reach a storm drain, flood control channel, or river? _____ Y/N If yes, was a coliform sample of the affected discharge point collected? Y/N _____ Name of Laboratory receiving coliform sample: _____

Was the affected area posted? Y/N _____ Describe cleanup efforts: _____

Fully describe the cause of overflow (grease, roots, vandalism, debris etc.): _____

Action(s) taken to stop overflow: _____

Were the affected area(s) disinfected with bleach or hypochlorite? Y/N _____ Was the area cleaned and all traces of tissue and/or solids removed and the area washed down (*mandatory*)? Y/N: _____ Describe cleanup efforts: _____

If any damage or potential for damage occurred please provide a brief description of any damage caused by the SSO to public *and private property* and any repairs or *recommendations* made as a result of the SSO:

Were photographs taken of the incident (*mandatory*)? _____ Y/N *Please attach photos to report*

REGULATORY AGENCIES TO BE NOTIFIED:

Monterey County Health (MUST BE CONTACTED FOR ANY SSO OTHER THAN PRIVATE LATERAL SPILL)
(831) 647-7653) Monterey Office : Y/N: ____ Alternate Phone number *911*(831) 755-4508 (Salinas Office)

IN THE EVENT OF A CATEGORY 1 or 2 SSO:

CAL- OES (1-800-852-7550): Y/N: _____ Control Number issued: _____ (*mandatory*)

Fish and Wildlife (831-649-2870): Y/N _____ (*mandatory*)

(ONLY IF SSO IMPACTS WATERWAY OF THE US)

Monterey County Water Resources Agency : Y/N _____ (mandatory) (ONLY IF SSO IMPACTS SALINAS RIVER)

Cleanup Debriefing; time, date, and participating individuals (by name):

Name of individual completing report: _____

Title: _____

Signature of Individual Completing report: _____

Date: _____

**Excerpts from the
Marina Coast Water District
Water Code**

Title 5 – SEWER SERVICE SYSTEM

5.20.020 Drainage into sanitary sewers prohibited

No leaders from roofs and no surface drains for rainwater shall be connected to any sanitary sewer. No surface or subsurface drainage, rain water, stormwater, seepage, cooling water or unpolluted industrial process waters shall be permitted to enter any sanitary sewer by any device or method whatsoever.

5.20.030 Use of storm sewers required

Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet. Industrial cooling water or unpolluted process waters shall be discharged to a storm sewer or natural outlet.

5.20.040 Types of Wastes Prohibited

Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer as required by the Code of Federal Regulations (40 CFR 403.5) and the following:

- A.** Any liquid or vapor having a temperature higher than one hundred fifty degrees F;
- B.** Any water or waste which may contain more than one hundred parts per million, by weight, of fat, oil or grease;
- C.** Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid or gas;
- D.** Any garbage that has not been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than three-eighths inch in any dimension;

E. Any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, paunch manure or any other solid or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works;

F. Any waters or wastes having a pH lower than 6.0 or higher than 9.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works;

G. Any waters or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals or create any hazard in the receiving waters of the sewage treatment plant;

H. Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the sewage treatment plant;

I. Any noxious or malodorous gas or substance capable of creating a public nuisance;

J. Any septic tank sludge.

5.12.020 Treatment of Wastes Required

It is unlawful to discharge to any stream, pond or to the ocean any sewage, industrial wastes, or other polluted waters, except where suitable treatment has been provided in accordance with provisions of this title.

5.08.010 Violation Unlawful

It is unlawful for any person to connect, construct, install or provide any other means of sewage disposal from any building in the District except by connection to a public sewer and except as provided in the District Water Code.

5.16.010 Permit Required

No person shall construct a building sewer, lateral sewer or make a connection with any public sewer without first obtaining a written permit from the district and paying all fees and connection charges as required therein.

5.16.020 Construction Requirements

Construction of building sewers and lateral sewers shall be in accordance with the requirements of the Uniform Plumbing Code and all other requirements of the District.

5.16.170 Plans, profiles and specifications required

The application for a permit for public sewer construction shall be accompanied by complete plans, profiles and specifications, complying with all applicable ordinances, rules and regulations of district, prepared by a registered civil engineer showing all details of the proposed work based on an accurate survey of the ground. The application, together with the plans, profiles and specifications shall be examined by the district engineer who shall within thirty days approve them as filed or require them to be modified as he deems necessary for proper installation. After examination by the district engineer, the application, plans, profiles and specifications shall be submitted to the board at its next regular meeting for its consideration. When the board is satisfied that the proposed work is proper and the plans, profiles and specifications are sufficient and correct, it shall order the issuance of a permit predicated upon the payment of all connection charges, fees and furnishing bonds as required by the district. The permit shall prescribe such terms and conditions, as the board finds necessary in the public interest.

5.16.240 Design and Construction Standards

Minimum standards for the design and construction of water, recycled water and sewer infrastructure within the District shall be in accordance with the current design requirements and standard plan and specifications adopted by the District. The District Engineer may permit modifications or may require higher standards where unusual conditions are encountered. "As-built" drawings showing the actual location of all mains, structures, valves, fire hydrants, Y's, laterals and cleanouts shall be filed with the District before final acceptance of the work.

5.08.100 Powers and Authorities of Inspectors

The officers, inspectors, managers and any duly authorized employees of the District shall wear or carry an official badge of office or other evidence establishing his position as such and upon exhibiting the proper credentials and identification shall be permitted to enter in and upon any and all buildings, industrial facilities and properties for the purposes of inspection, reinspection, observation, measurement, sampling, testing or otherwise performing such duties as may be necessary in the enforcement of the provisions of the ordinances, rules and regulations of the District.

5.24.110 All work to be inspected

All sewer construction work and building sewers shall be inspected by an inspector acting for the district to insure compliance with all requirements of the district. No sewer shall be covered at any point until it has been inspected and passed for acceptance. No sewer shall be connected to the district's public sewer until the work covered by the permit has been completed, inspected and approved by the district inspector. After the test proves satisfactory and there is evidence of plumbing code compliance, the inspector shall issue a certificate of satisfactory completion.

5.20.050 Grease trap, grease interceptor or other device required.

A. A food service establishment or any other business discharging grease, oil or other similar material shall have an operable and properly sized grease trap, grease interceptor or other comparable device(s) as determined by the general manager. All grease traps, grease interceptor or other devices shall be of a type and capacity approved by the general manager and shall be so located as to be readily and easily accessible for cleaning and inspection.

B. All drains from food preparation and clean up areas including, but not limited to, pre-wash sinks, floor drains, food waste disposal units, pots and pans sinks, scullery sinks and garbage can wash areas shall be connected to such trap or interceptor.

5.20.060 Maintenance of interceptors

A. Traps and interceptors shall be maintained by the owner, at his expense, and shall continuously operate efficiently at all times. The owner shall periodically remove accumulated grease from the trap or interceptor. No collected grease shall be introduced into any public or private drainage piping.

B. Any grease trap or grease interceptor required by this chapter shall be readily accessible for inspection and properly maintained to assure that accumulations of grease or oil do not impair its efficiency or transport grease or oil into the sewer system.

C. The general manager or its designee shall perform grease trap and grease interceptor inspections bi-annually or more often, at the owner's expense, and at the discretion of the district should

maintenance reports not be received or should a grease trap or grease interceptor fail to operate properly.

D. In the event the District determines that a food service establishment or business required to install and maintain a grease trap either fails to maintain the maintenance record required by this section, or fails to maintain the grease trap as required by this section, the district may require the immediate installation of a grease interceptor.

5.08.030 Violation

Any person found to be violating any provision of this or any other ordinance, rule or regulation of the district, except this section and Section 5.16.250, shall be served by the general manager or other authorized person with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. Said time limit shall be not less than two nor more than seven working days. The offender shall, within the period of time stated in such notice, permanently cease all violations. All persons shall be held strictly responsible for any and all acts of agents or employees done under the provisions of this or any other ordinance, rule or regulation of the district. Upon being notified by the general manager of any defect arising in any sewer or of any violation of this title, the person or persons having charge of said work shall immediately correct the same.

5.08.090 Means of Enforcement Only

The district declares that the foregoing procedures are established as a means of enforcement of the terms and conditions of its ordinances, rules and regulations, and not as a penalty.

5.08.110 Violation - Misdemeanor

Section 6523 of the Health and Safety Code of the state of California provides that the violation of an ordinance, rule or regulation of a district by any person is a misdemeanor punishable by fine not to exceed one hundred dollars, imprisonment not to exceed one month, or both. Each and every connection or occupancy in violation of the ordinances, rules and regulations of the district shall be deemed a separate violation and each and every day or part of a day a violation of the ordinance, rule or regulation continues shall be deemed a separate offense hereunder and shall be punishable as such.

5.08.120 Liability for Violation

Any person violating any of the provisions of the ordinances, rules and regulations of the district shall become liable to the district for any expense, loss or damage occasioned by the district by reason of such violation.

5.08.060 Public Nuisance

Continued habitation of any building or continued operation of any industrial facility in violation of the provisions of this or any other ordinance, rule or regulation of the district is declared to be a public nuisance. The district may cause proceedings to be brought for the abatement of the occupancy of the building or industrial facility during the period of such violation.

5.08.070 Disconnection

As an alternative method of enforcing the provisions of this or any other ordinance, rule or regulation of the district, the general manager shall have the power to disconnect the user or subdivision sewer system from the sewer mains of the district. Upon disconnection, the general manager shall estimate the cost of disconnection from and reconnection to the system, and such user shall deposit the estimated cost of disconnection and reconnection before such user is reconnected to the system. The general manager shall refund any part of the deposit remaining after payment of all costs of disconnection and reconnection.

Excerpts from *Standard Plans and Specifications for Construction of Domestic Water, Sewer, and Recycled Water Facilities*

Section 02701 - Installation of Gravity Sewer Pipelines

Part 3 Execution

N. Closed-Circuit Television Inspection

1. General: In addition to the regular leakage and infiltration test, the entire length of all new sewer lines shall be inspected by the contractor using closed-circuit television equipment. The inspection shall be conducted after the line has been successfully tested and prior to paving. The inspection shall be conducted in the presence of the District representative. For pipe lengths designed to absolute minimum design slopes (See Section 500-2 of the Procedural Guidelines), video inspection shall provide a profile of the sewer line.
2. Responsibility: All labor and equipment necessary to conduct this inspection shall be furnished by the contractor.
3. Notification: Requests for sewer line inspection shall be made to the District representative a minimum of two working days in advance of the requested inspection date.
4. Flushing: Each sewer section shall be flushed with water being introduced at the upstream manhole of each section prior to video recording.
5. Stationing: The video shall show stationing corresponding to sewer stationing shown on plans for each manholes and Wye location.
6. Submittal: The videotape shall be VHS format and be submitted to the District with two (2) of the computer printouts showing manhole numbers and stationing, wye stationing and distance between manholes prior to occupancy release for the dwelling units being served by the sewer. The tape and printout shall be labeled with the project name, tract number, street names, and contractor's name and shall list the station of any defects, dirt, low spots, etc. in the pipe.

7. Repair of Defects: Even though the sewer line may have successfully passed the leakage and infiltration tests, any defects or low spots in the line shall be repaired to the satisfaction of the District.

8. Acceptance: Sewer section having standing water or defects shall be repaired by the contractor prior to District acceptance and prior to occupancy release for the dwelling units or commercial site being served by the sewer. Standing water in the system will not be allowed.

O. Final Inspection

After paving has been completed and all manholes raised to grade, a final visual inspection shall be made. The necessary labor shall be furnished to assist the District representative in making the final inspection. Additional balling may be required if the lines are dirty, even though lines were previously balled. The contractor shall furnish a responsible person or supervisor for the final inspection to remove manhole covers and to note any corrections required by the District representative in order to obtain final approval. Final District inspection shall be requested through the District representative by giving at least two days' notice.

Section 03463 – Grease Interceptors

Part 1 General

A. Description

This section includes materials and installation of precast concrete grease interceptors on commercial sanitary sewer conditions.

B. Related Work Specified Elsewhere

1. Installation of Gravity Sewer Pipelines 02701
2. Precast Concrete Vaults 03462

C. Approved Manufacturers

GT series as manufactured by Jay R. Smith Manufacturing Company
Pro-Cast
Jensen Precast
Pyramid Precast

D. Application

Grease interceptors are to be installed on the sewer laterals from all restaurants and other commercial sewer connections as designated by the District in the Procedures Guidelines and Design Requirements manual.

E. Responsibility

It is the responsibility of the owner of each facility to maintain the grease interceptor in proper operating order and to remove accumulated grease at suitable intervals to avoid excessive buildup in the unit.

Part 2 Materials

A. Precast Vault

1. Precast vault shall meet the requirements of Section 03462.
2. The interior of the precast unit shall be sealed with a protective coating.
3. The interceptor shall have an interior baffle for full separation of the interceptor into two (2) sections. The interior baffle shall have two (2) openings of the same diameter and at the same invert height as the outlet pipe. The baffle openings shall be staggered from the inlet and outlet pipes to prevent straight line flow through the unit.
4. The outlet pipe shall be the same diameter as the inlet pipe.
5. The interceptor shall have an adequate number of manholes to provide access for cleaning all areas of the interceptor. A minimum of one manhole per ten (10) feet of interceptor length shall be provided. Manholes shall be gas-tight in construction with a minimum opening dimension of twenty (20) inches.
6. Each grease interceptor shall be permanently and legibly marked with the Manufacturer's name or trademark, model number and UPC certification mark.

Part 3 Execution

A. Location

1. The grease interceptor shall be located on private commercial sewer laterals upstream of the connection to the MCWD sewer main.
2. The interceptor shall be located where it is easily accessible for inspection, cleaning and removal of intercepted grease.

B. Installation

1. Grease interceptors shall be installed per Section 03462.
2. Sewer laterals connections to the grease interceptor shall be per Section 02701.

Excerpts from *Procedures, Guidelines and Design Requirements 2015*

Section 300 Design and Inspection Procedures

300.19 Project Construction

300.19.1 Notification

Signed Utility Plans and notices shall be given to the District Engineer at least 48-hours before starting construction. Applicant shall also notify the city, and/or County inspector's prior to work within public right-of- way. For a complete review of the construction inspection requirements, please refer to the District's Construction Manual.

300.19.2 License Requirements

1. The applicant's contractor shall have a Class A or C-34 license.
2. The applicant's contractor shall have a business license to operate within the city having jurisdiction.

300.19.3 Preconstruction Meeting

A preconstruction conference is to be held no sooner than 24-hours before starting construction, at which will be present the applicant's contractor's working foremen and/or job superintendent, the applicant's engineer, the District inspector, and a representative from the District's O&M Department. The purpose of this meeting will be to answer any questions on District specification requirements, to obtain the contractor's construction schedule, and to discuss any known circumstances that might affect job installation.

Preconstruction Meeting Agenda: Without relieving the developer of responsibilities outlined elsewhere in the specifications; the District will present to the developer a list of requirements that may contain, but will not be limited to, the following items:

1. Order of work
2. Working hours
3. Site Accessibility
4. District facilities that will be taken off-line for construction
5. Startup operations of new facilities and other District facilities affected by the project results.
6. Pressure test procedures and startup operations of new facilities and other District facilities affected by the project results.
7. Bacterial test results.
8. Record Drawings
9. Order of Precedence: The order of precedence as defined in Section 300.16 will be reviewed in the pre-construction meeting.

300.19.4 Curbs Installed Before Starting Water Facilities

It is a basic requirement of the District that the curbs be installed in-tract prior to starting the installation of water facilities. They act as positive grade control for setting services and fire hydrants. The District may approve an exception if the developer complies with the following requirements:

1. All requirements shall be met before the excavation of pipeline trenches.
2. The owner is to submit engineered drawings showing both the plan and profile of the proposed pipelines for District review and acceptance.
3. The owner is to provide survey staking. The proposed pipelines per the profile with cuts to flow line at a maximum of 25-foot stationing showing all horizontal and vertical grades breaks, tees,

and valves, fire hydrant, blow-offs, air vacs, services, and all other appurtenances indicated on the plans.

4. Prior to backfill, the engineer shall certify line and grade of the pipeline and all the appurtenances and provide the District inspector with a copy of the certification.

5. In the event that a portion or any part of the pipeline and its appurtenances is not installed to the satisfaction of the District inspector, the owner agrees to expose and re-lay the pipeline accordingly.

300.19.6 Inspection of Work

Access: All work shall be subject to inspection by the District and shall be left open and uncovered until approved by the District Engineer.

Domestic Water, Sewer and/or Recycled Water System Inspections: The Contractor shall not proceed with any subsequent phase of work until the previous phase has been inspected and approved by the District Engineer. Inspection may also be made at the following intervals of work. See District Construction Manual for more details.

1. Domestic and Recycled Water System:

A. Submit material list to District for approval.

B. Delivery of materials to job site and provide certificate of compliance to District.

C. Trench excavation and bedding.

D. Placing of pipe, fittings, and structures, including warning tape on recycled irrigation water main and service lines.

E. Pouring all concrete anchors and thrust blocks.

F. Placing and compacting the pipe zone back fill.

G. Backfilling balance of trench to grade. Compaction tests are to be performed by governing agency road departments in public right-of-way or by private soils consultant retained

by the applicant and acceptable to the District in private streets and easements. Copies of test results shall be given to the District, and the governing agency, by the applicant for approval before final acceptance of the work. Backfilling and repaving shall be in accordance with the requirements of the city having jurisdiction.

H. Pressure testing all mains and services.

I. Disinfecting and flushing.

J. Health samples.

K. Repaving trench cuts.

L. Raising valve boxes to finish grade and paint to District standards.

M. Fire hydrants painted and pads poured.

N. Installation of service lines, appurtenances meter boxes, and customer service valves.

O. Connection to the existing system.

2. Sewer Inspections:

A. Trench excavation and bedding.

B. Placing of pipe, fittings, and structures.

C. Placing and compacting of the pipe zone backfill.

D. Backfilling of the balance of the trench to grade. Compaction tests to be taken by the city and/or county road departments in public right-of-way and by private soils consultant retained by the applicant and acceptable to the District in private streets and easements. Copies of test results shall be given to the District by the applicant for approval before final acceptance of the work.

E. Testing after backfill compaction of all utilities is approved by the city and/or county road departments and must be obtained before paving.

300.19.7 District Authority

Access: The District shall at all times have access to the work during construction and shall be furnished with every reasonable facility for ascertaining full knowledge respecting the progress, quality of labor, and character of materials used and employed in the work. No pipe, fittings, or other materials shall be installed or backfilled until inspected and approved by the District Engineer. The contractor shall give at least 72-hours' notice prior to backfilling to the District inspector so that proper inspection may be provided.

Obligation: Inspection of the work shall not relieve the contractor of any obligations to complete the work as prescribed by the Standard Specifications. Any known defective work shall be corrected before testing or final inspection will be permitted. Unsuitable materials may be rejected at any time.

Suspension of Work: The District Engineer shall have the authority to suspend the work wholly or in part for such time as it may deem necessary if the contractor fails to carry out orders given by the District's inspector, or to perform any required provisions of the plans and specifications. The contractor shall immediately comply with a written order of the District to suspend the work wholly or in part. The work shall be resumed when methods or defective work are corrected as ordered and approved in writing by the District Engineer.

300.19.8 Existing Facilities

Connection and Shut Downs: Schedule connection to existing water and sewer facilities with the District Operations Staff. Contractors are not permitted to operate District valves. Coordinate shut-downs a minimum of 2-days in advance of the work.

Repairs: Any and all damage to existing facilities occurring as a result of new construction must be repaired to the District's satisfaction at the Developer's expense. Repairs may be performed by the Developer's contractor or by District staff, at the discretion of the District Engineer.

Removals: Per the District's In-Tract Policy, new developments require the removal of existing facilities at or beyond their useful service life, and the installation of new infrastructure to serve the development. Excavate and remove all existing pipes, valves, manholes and appurtenances as indicated on the approved construction plans.

Abandonment: Where it is impractical to remove an existing facility (for example, a pipeline crossing a street not otherwise being reconstructed), existing facilities may be abandoned in place with the approval of the District Engineer. Follow the procedures of Standard Specification Section 02222.

300.19.9 Pressure Test

A pressure test of the newly constructed domestic and recycled water lines shall be conducted as detailed in Section 15042 “Hydrostatic Testing of Pressure Pipelines” of the District’s Standard Specifications.

300.19.13 Final Sewer Inspection

Before final acceptance, the District, even though the sewers have been balled once, will require the contractor to flush and ball all sewer mains again. The District, accompanied by the contractor's foreman or superintendent, will make a final inspection of all work to check the following items:

1. That all bulkheads and plugs have been removed
2. The concrete base and channels in manholes are smooth
3. That manhole interiors are clean of all debris and excess concrete mortar
4. That all manhole concrete grade rings are adequately grouted and properly set
5. That pavement around manhole cover has been properly blacktopped to correct grade
6. That proper field tests have been made on all sewer main sections and manholes, particularly where sections of manholes had to be repaired
7. That backfill has passed all compaction requirements
8. That lateral locations have been mark with a "S" on curb

300.19.14 Raising of Valve Boxes and Manhole Rims

For paved areas in the applicant's development, and/or out-of-tract resulting from the developer's project, the developer/contractor will raise all valve boxes and manhole rims for District constructed facilities for each lift of pavement.

Section 500 Design Criteria for Sewer Facilities

500.1 Design Criteria for Gravity Sewers

500.1.1 Flow Rate Generation

The design peak flow rate for residential sewer mains shall be calculated using a base generation rate of 90 gallons per capita day (gpcd), the density and peaking factors contained in Figure 500-1, and an Infiltration and Inflow (I/I) factor. The following formulas are used to define the calculations:

Design Peak Flow Rate = Peak Wet Weather Flow Rate (PWWF)

PWWF = Peak Dry Weather Flow + [Average Dry Weather Flow x I/I factor]

= PDWF + (ADWF x I/I)

PDWF = ADWF x Peaking Factor from the graph in Figure 500-1.

ADWF is calculated using a base generation rate of 90 gallons per capita day (gpcd) multiplied by the proposed population of the development. Population may be estimated using the table in Figure 500-1. ADWF generation rate projections for specific commercial/industrial developments proposed are required and should be calculated by the developer's engineer.

I/I factors are the following:

I/I factor = .44, when designing new sanitary sewers.

I/I factor = .67, when designing sanitary sewers that utilize existing sewers installed prior to 1997.

500.1.2 Peak Flow Limitation (Based on d/D Ratio)

The design peak flow rate allowed within a pipeline of any given diameter will be limited by the resulting depth-to-diameter ratio (d/D ratio) where 'd' is the calculated flow depth in the pipe and 'D' is the inside diameter of the pipe. For pipes 12-inches in diameter and smaller, the maximum

allowed d/D ratio is 0.67. For pipes 15-inches to 24-inches in diameter, the maximum allowed d/D ratio is 0.80. For pipes 27-inches in diameter and larger, the maximum allowed d/D ratio is 0.90.

500.1.3 Minimum and Maximum Velocity

All sewers shall be designed and constructed to yield mean velocities within the pipeline, at peak dry weather flow (PDWF), of at least 2.0-fps while not allowing velocities to exceed 8.0-fps. Flow velocities will be determined by the utilization of Manning's formula for open-channel flow and will use an "n" value of 0.013. Variance from the requirements in this section will be allowed only with approval by the District Engineer.

500.1.4 Minimum Pipe Diameter

Sanitary sewer mains shall generally be 8-inch diameter or larger. 6-inch sewer mains are only allowed for top-of-line segments (dead-end lines, alleys and cul-de-sacs). When two or more sewers flow into a manhole, the sewer out shall be a minimum of 8-inches.

500.1.5 Minimum Slopes

Sewers should be designed to provide steeper slopes whenever possible so that the 2.0-fps minimum flow velocity is exceeded and pipeline invert scouring is improved. The maximum allowable slope shall be the slope that generates a maximum flow velocity of 8.0-fps at the peak dry weather flow rate. Under special conditions, the developer's engineer may request slopes of less than the minimums stated. The developer's engineer must submit this request along with back-up data and calculations to show that the depth of flow at design average dry weather flow will be 0.3 of the pipe diameter or greater. The developer's engineer must also submit computations to show the depths of flow within the pipeline at minimum and average flow rates. The request shall detail the reasons why the normal minimum slopes cannot be achieved. The request and supporting data will be reviewed by the District Engineer and his decision will be conveyed to the applicant.

500.2 Standard Location, Alignment and Stationing

500.2.1 Location

Wherever possible, in local residential and industrial streets, pipe is to be located 5-feet from the street centerline. In major, primary, and secondary highways, pipe will be located in the center of the driving lane nearest to the center of the street. Pipe should not be located in median strips or

parking lanes. On curvilinear streets, pipe shall parallel as nearly as possible the street centerline by means of horizontal curves.

500.2.2 Alignment

Barring other limiting design and construction considerations, a maximum separation between sewer and domestic water mains in new subdivisions shall be achieved by the following construction procedures: 1. On curvilinear streets, the sewers shall parallel as nearly as possible the street centerline by means of horizontal curves.

2. Sewer mains should be installed on the opposite side of the centerline from the domestic water mains.

500.2.3 Radius of Curvature

Minimum radius of curvature shall comply with Section 02701, Installation of Gravity Sewer Pipelines, or the pipe manufacturer's recommendation, whichever is more restrictive.

500.2.4 Stationing

Sewer centerline stationing shall be shown (example: 00+00.00) with the stationing starting at the most downstream manhole or connection to existing sewer and the stationing increasing upstream to the last manhole on a sewer line. Intersecting sewer lines shall be independently stationing from their downstream point of connection and increase upstream to the last manhole or clean-out. Each line shall be independently labeled for identification as "Sewer Line A", "Sewer Line B", etc. Sewer stationing may be independent of street stationing.

500.2.5 Minimum Cover

Minimum cover from finish street grade to top of sewer main pipe is to be 4 feet or 12-inches below any potable water main in the right-of-way, whichever is deeper, unless approved otherwise by the District Engineer. Sewers shall be deep enough to allow lateral connections meeting minimum depth at curb.

500.2.6 Separation Between Waterlines And Sewers

Adequate horizontal and vertical spacing shall be maintained in accordance with Section 400.7 and District Standard Plan W-16.

500.3 Sewer Pipe Material

All gravity sewers and laterals 15-inch diameter and smaller shall be SDR-35 PVC as described in the District's Standard Specification Section 02715. Gravity sewers 18-inch diameter and larger shall be DIP with polyethylene lining (per Standard Specification Section 15056) or PVC with a suitable size dimension ratio for the installation conditions. Exceptions must be pre-approved by the District Engineer. All sewer force mains shall be PVC pipe meeting District Standard Specification Section 15064, AWWA C-900, and Class 150 pipe standards.

500.4 Force Main Criteria

The size of sewer force mains shall be determined during the design phase of the project and only after a comparative study of the construction cost and pumping costs for several alternative sizes. In no case shall a force main be less than 6-inches in diameter. The capacity of the force main shall be the design peak flow from the pump station calculated from Manning's equation using "n" = 0.013. The nominal design velocity for a force main should be 3.0-fps, with minimum velocity of 2.0-fps, and maximum allowed 8.0-fps. The discharge shall be into a manhole with a smooth flow transition to a gravity sewer. The manhole shall be epoxy coated on the interior or PVC lined for corrosion protection.

500.5 Manholes

Refer to District Standard Specification Section 03461, Precast Reinforced Concrete Manholes and Manhole Bases for additional information.

500.5.1 Manhole Spacing and Location

Manholes shall be installed at the end of each line; at all changes in grade, size, or alignment; at all intersections; and at distances not greater than 300 feet for 6-inch sewers, 400 feet for 8- through 15-inch sewers and 500 feet for 18- to 30-inch sewers. If a sewer is curved, closer spacing of manholes will be required. Greater spacing may be permitted in larger sewers. Only one curve (horizontal or vertical) shall be allowed between any two manholes.

500.5.2 Manhole Type, Size, and Depth

Manhole depth is calculated from finish grade to lowest pipe invert. Minimum manhole depth is to be 5 feet unless approved otherwise by the District Engineer. Manholes shall typically be from 7 feet to 12 feet deep. Manholes over 20-ft deep must be approved by the District Engineer. Depth of manhole shall be measured from the pipe invert to the finished surface of the street with a tolerance of ± 1 -inch. Manholes shall be pre-cast reinforced concrete with an eccentric cone. The minimum internal diameter shall be 48-inches. Pipe penetrations shall not exceed 30% of the internal circumference. Large or numerous pipe penetrations may require the installation of larger diameter manholes. Manholes over 20-ft deep may require larger diameters, at the direction of the District Engineer. For larger sized sewer mains or special circumstances, the manhole size will be as shown on plans.

500.5.3 Minimum Assumed Head Losses Thru Manholes

Minimum head loss in manholes shall be as follows:

1. Straight run through manholes based on 0.20 foot loss.
2. Right angle turn in manholes based on 0.5 velocity head loss (i.e. $(0.5)(V^2/2g)$), or 0.30 foot, whichever is greater.

500.5.4 T-Lock Lined Manholes

The District has been experiencing substantial deterioration in manholes at some locations due to hydrogen sulfide gases released from sewage flow. In order to mitigate the problem on future sewers, the District requires manholes that meet certain criteria be constructed with an integral PVC liner. The District-approved PVC liner material/process is Ameron T-Lock™ liner. The District has established the following criterion to govern the requirement for lining manholes with a PVC liner:

1. If the sewer has a slope of 7% or greater, then all manholes will be PVC-lined.
2. Where there is a change in slope, from steep to flat (relative to the direction of flow), of 5% or greater, the manhole at the grade change and the next manhole upstream will be PVC-lined.
3. All drop manholes, including force main terminal (i.e. the transition from forced flow to gravity flow) manholes, will be PVC-lined.

4. When required by the District Engineer.

500.5.5 Manhole Covers

Cast-iron covers and frames shall be provided in accordance with District Standard Specification Section 03461 and Standard Plan S-3. At the completion of final paving, the manholes shall be raised to final grade by using the necessary sized grade rings.

500.5.6 Access to Manholes

All sewer manholes shall be designed and constructed with a direct access to them. Manhole steps shall not be installed. Unpaved access may be allowed as determined by the District Engineer.

500.6 Cleanouts

Use of clean-outs (as shown in District Standard Plan S-6) on service laterals and sewer mainlines shall be required in the following instances unless otherwise approved by the District Engineer.

1. At the point of connection to the building drain.
2. At any single turn greater than forty-five degrees.
3. At intervals not to exceed one hundred (100) feet along the side sewer system.
4. Short sections of sewer main, less than 250-feet that will be extended.
5. All commercial and industrial sewer lateral installations at the property line.
6. Between manholes, if there is a reverse curve in the sewer main, to facilitate cleaning of the main line.
7. Special instances such as on a sewer lateral to a single family residential lot where the dwelling unit is set back more than 100-feet from the property line, where there is a large slope up to the building pad from the property line and a grade change in the lateral is necessary, or where the sewer lateral enters the rear of the lot from a public right-of-way.
8. On a lateral where the overflow level of the lowest wastewater fixture in the building is below the rim elevation of the uphill sewer manhole on the main line. In this situation the rim elevation of the clean-out installed at the property line shall be at least 6-inches below the

overflow elevation of the lowest wastewater fixture on the lateral. A backflow prevention device is required on the lateral per Section 4.11 of the District's Code.

500.7 House Laterals and Minimum Depth at Curb

All sewer laterals shall be located by the applicant and shown (with stationing) on the improvement plans. House connections shall be constructed to the property line. There shall be one house sewer lateral constructed for each individually owned dwelling unit and it shall have a minimum diameter of 4 inches. Four-inch sewer house connections shall be laid to the grade as established by the applicant so that the 4-inch house connection will have a minimum cover of 3 feet from the top of the curb to the top of the pipe per Standard Plan S-7. The sewer laterals from the main to the building, and inside the buildings are governed by the Uniform Plumbing Code and enforced by the local building authority.

500.8 Townhouses and Condominium Laterals

For buildings containing two to four units, either one 4-inch diameter lateral to each unit or one 6-inch or larger diameter lateral to the building shall be used. For buildings containing more than four units, either one 4-inch diameter lateral to each unit or one 8-inch or larger diameter lateral to the building shall be used. A lateral shall serve only one building regardless of number of units per building.

500.9 Backwater Prevention

Backwater prevention devices are required on sewer laterals connecting to all buildings. Variances may be considered by the District Engineer on a case by case basis. Exceptions cannot be granted for laterals to buildings where the building ground floor elevation is below the rim elevation of the uphill sewer manhole on the main line.

500.10 Industrial Pretreatment

Requirements for industrial pretreatment of sewage will be determined by the Monterey Regional Water Pollution Control Agency (MRWPCA). Design requirements will be dependent upon those industrial pretreatment requirements.

500.11 Grease Interceptors

All restaurants and other facilities which discharge grease into the District's sewers shall be required to use grease traps or grease interceptors to minimize grease problems in collection systems and treatment plants. The minimum interceptor size shall be 750 gallons. All interceptors shall be equipped with automatic drawoff devices for easier removal of accumulated grease. Small kitchens may install grease traps instead of interceptors, with the approval of the District Engineer. Comply with Appendix 15 and the Uniform Plumbing Code for sizing. It will be the responsibility of the owner of each facility to maintain proper operating order of the interceptor unit and to remove accumulated grease at suitable intervals to avoid excessive buildup in the unit. The Marina Coast Water District approves the location and design of the interceptor unit.

500.12 Standard Sewer Notes

Standard sewer notes to be included on all sewer system construction plans shall be as follows:

1. The sewer system as shown on these plans shall be constructed in accordance with the standard plans and specifications of the Marina Coast Water District. Contractor shall keep a copy of the standard specifications and drawings on the jobsite at all times.
2. The Marina Coast Water District shall be notified at least 48 hours prior to commencing work on the sewers. Phone (831) 384-6131 for inspection. A preconstruction meeting shall be held at least 24 hours before starting construction.
3. Sewer Connection: 4-inch house connection is to be constructed from the sewer main to the property line for each lot.
4. All sewer house connections shall be placed prior to surfacing of streets.
5. All sewer lengths are calculated on horizontal distances along the centerline of the sewer.
6. Pressure testing of sewers shall be in accordance with the standard specifications of the Marina Coast Water District.
7. 00+00.00 shown on sewer profile denotes stationing along centerline sewer from downstream manhole.
8. In order to prevent accidental use of the new sewer prior to completion and acceptance, the outlet or inlet to existing tie-in manhole(s) shall be sealed with broken brick and mortar.

Installation of these plugs shall be approved by the District. Plugs shall be removed at the time of final acceptance.

9. Contractor shall verify the horizontal and vertical location of all utility crossings before constructing any sewers in this project.

10. Contractor's surveyor shall stake the location of all wye fittings. All house laterals not normal to street sewer to have end of lateral at property line staked and tied to a property corner as shown on the plans.

11. The Marina Coast Water District will inspect and maintain all manholes and main line sewers. The District will inspect laterals from the main to the building line, but maintain only to the property line/clean-out. The local building department or appropriate governing agency will inspect and verify building connections to the laterals.

12. The Contractor shall conduct all tests as required in the presence of the District representative.

13. Any work to be performed inside a live manhole shall be done in accordance with Cal OSHA "Confined Spaces" and District manhole entry regulations. Manhole entry without District personnel present is not allowed.

14. All sewer manhole lids are to have "MCWD" cast thereon as shown in Standard Plan S-3 of Marina Coast Water District's "Standard Plans and Specifications for Construction of Domestic Water, Sewer and Recycled Water Facilities."

15. The applicant is to provide the Marina Coast Water District with a record drawings set of job prints with tie-down measurements for all laterals and manholes.

16. Curb face shall be inscribed with an "S" indicating location of all sewer laterals.

WDR Grease Public Outreach Plan FY 21/22

Attachment A

WDR FOG Public Information Campaign Outline FY 2021-2022

Program Goals

- Educate our communities on the proper disposal of fats, oils, and grease through advertising and public resources
- Help members meet the issued Waste Discharge Requirements (WDR) by the California Regional Water Quality Board

Program Timeframe

November and December 2021 (holiday season), April 2022 (Earth Day)

Media Types

- Print
- Broadcast TV
- Streaming TV
- Digital
- Radio
- Social Media

Digital copies of all advertisements will be provided to entities to continue using beyond this campaign

Costs

Total advertising across all media not to exceed \$16,500



Attachment B

**Southern Monterey Bay Dischargers FOG Outreach
Partnership Distribution and Budget
FY 2021-2022**

Shared Budget for FY 2021-2022			
Not to Exceed \$16,500			
Entity	Population within area to be covered by regional WDR program¹	% of budget to be paid	Contribution not to exceed
California American Water ²	6,380	2.25%	\$371.25
Carmel Area Wastewater District*	3,722	1.31%	\$216.15
Castroville Community Services District ³	7,204	2.54%	\$419.10
City of Monterey	27,810	9.81%	\$1,618.65
City of Pacific Grove	15,041	5.31%	\$876.15
City of Salinas	150,441	53.07%	\$8,756.55
Marina Coast Water District ⁴	33,364	11.77%	\$1,942.05
Pebble Beach Community Services District*	4,509	1.59%	\$262.35
Seaside County Sanitation District ⁵	34,983	12.34%	\$2,036.10
TOTAL	283,454	100%	\$16,500

** PBCSD and CAWD contributions will increase no more than \$693.00 each for additional Carmel Pine Cone ads in December 2021*

Notes

1. Source: U.S. Census Bureau, 2010 Census of Population, Public Law 94-171 Redistricting Data File (due to COVID-19 pandemic, next population update will occur in 2022)
2. Combined data for Oak Hills, Indian Springs, Las Palmas, Spreckels, Pasadera, White Oaks, Village Green, Carmel Valley Ranch provide by Cal Am
3. Combined data for Castroville, Moss Landing, and, provided by CCSD, the Moro Cojo area population
4. Combined data for Marina and, provided by MCWD, the Ord Community
5. Combined data for Seaside, Sand City, and Del Rey Oaks

**Marina Coast Water District
Staff Report**

Agenda Item: 9-H

Meeting Date: February 22, 2022

Prepared By: Kelly Cadiente

Approved By: Remleh Scherzinger

Agenda Title: Fiscal Impact of COVID-19 Report

Summary: The Board of Directors requested monthly reports on the impact to the District's finances due to COVID-19.

This report includes the following:

- Budget to actual water revenues for FY 2021-2022 through January 31, 2022
- Customer accounts aging information as of February 09, 2022
- Monthly customer payments comparison for months January 2021 through January 2022
- Graphs of delinquent accounts as of January 31, 2022

FY 2021-2022 actual water revenue through January 31, 2022, for both Central Marina and the Ord Community, was below budgeted revenue by \$243,679 while the Ord Community was above budgeted revenue by \$15,434 respectively.

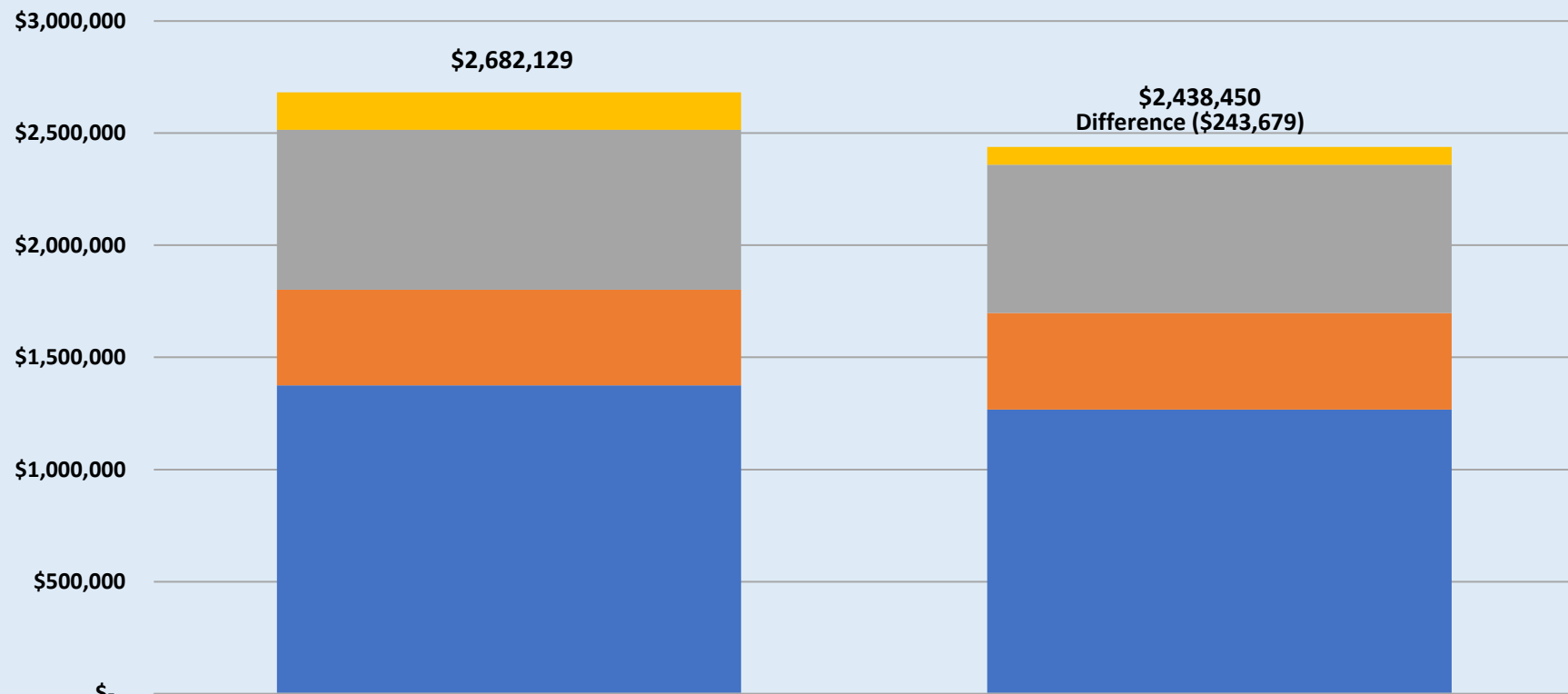
Accounts Receivable balances for both Central Marina and the Ord Community have increased during the pandemic by \$94,423.21 (208%) and \$525,808.98 (60%), respectively. If Bay View Mobile Home Park's main master meter account is not considered, Ord Community Accounts Receivable balance has increased \$382,632.72 (563%). Unfortunately, the balances tend to fluctuate from month to month due to billing dates and the number of days in the month.

Governor Newsom's 2021-22 May revise to the state budget included \$1 billion in American Rescue Plan Act funds to be used to provide direct payments to water systems to address customer arrearages and revenue gaps related to the pandemic. The State Water Resources Control Board (SWRCB) required all water districts to participate in a survey to be considered for funding. Customer arrearages that qualify for funding are accrued residential and commercial drinking water arrearages from March 4, 2020, through June 15, 2021. Arrearages due to irrigation water usage, wastewater charges, and penalties do not qualify for assistance. Staff submitted MCWD's survey on September 7, 2021. The survey information was compiled by the SWRCB and determined 100% of the number of arrearages reported will qualify for assistance. Staff completed the application and submitted it to SWRCB on November 16, 2021. The District was notified in December 2021 that its application was approved and awarded the requested funds. Payment from the State was received at the end of January 2022.

Part of the State's Program requirements is for water systems to notify their customers whose arrearages will be offset by the funding and to offer a payment plan for the remaining arrearages. In addition, the District is also required to offer payment plans to accounts with past due balances that did not qualify for the State's Program. Staff sent out 331 letters to the Program recipients on January 6, 2022, informing them of the amount that would be credited to their account, that Governor Newsom's moratorium on water shut-off for nonpayment expired on December 31, 2021, and that the District is providing payment plans to assist them in getting their accounts current. On January 10, 2022, staff also sent out 381 letters to those accounts that have past-due

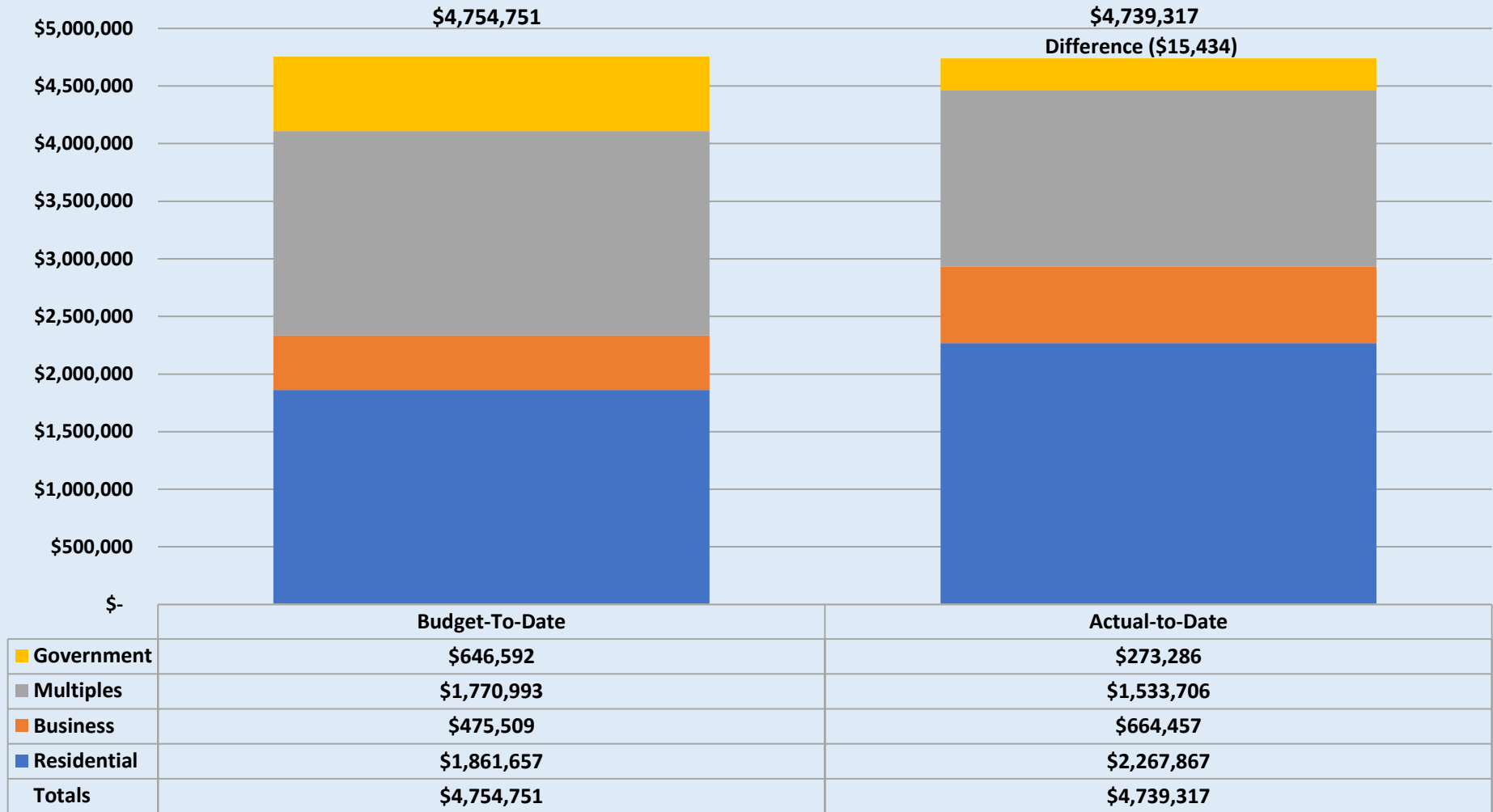
balances to inform them of the expiration of the moratorium and to offer payment plans to bring their accounts current. Of the 331 program recipients, 6 have called the District to either make a payment or to set up payment plans. Of the 381 accounts that have past-due balances, 16 called in to set up payment plans. Reminder letters to contact the District and make payment plans for those who received letters in January were sent to both the program recipients and customers with past-due balances on February 15, 2022. Sample copies of the letters have been provided in this report.

FY 2021-2022 Central Marina Water Revenue as of January 31, 2022



	Budget-To-Date	Actual-to-Date
■ Government	\$167,473	\$79,682
■ Multiples	\$712,613	\$661,094
■ Business	\$426,229	\$429,819
■ Residential	\$1,375,815	\$1,267,854
Totals	\$2,682,129	\$2,438,450

FY 2021-2022 Ord Community Water Revenue as January 31, 2022



**MARINA COAST WATER DISTRICT
CUSTOMER ACCOUNTS AGING REPORT
March 9, 2020 -February 9, 2022**

Central Marina

Aging Date	Balance 30 to 60 Days	Balance 60 to 90 Days	Balance 90 to 120 Days	Balance over 120 Days	Totals	
3/9/2020	\$ 35,543.27	\$ 3,875.86	\$ 4,293.09	\$ 1,611.13	\$ 45,323.35	
2/9/2022	\$ 32,599.82	\$ 17,461.24	\$ 11,596.07	\$ 78,089.43	\$ 139,746.56	
Change	\$ (2,943.45)	\$ 13,585.38	\$ 7,302.98	\$ 76,478.30	\$ 94,423.21	208%

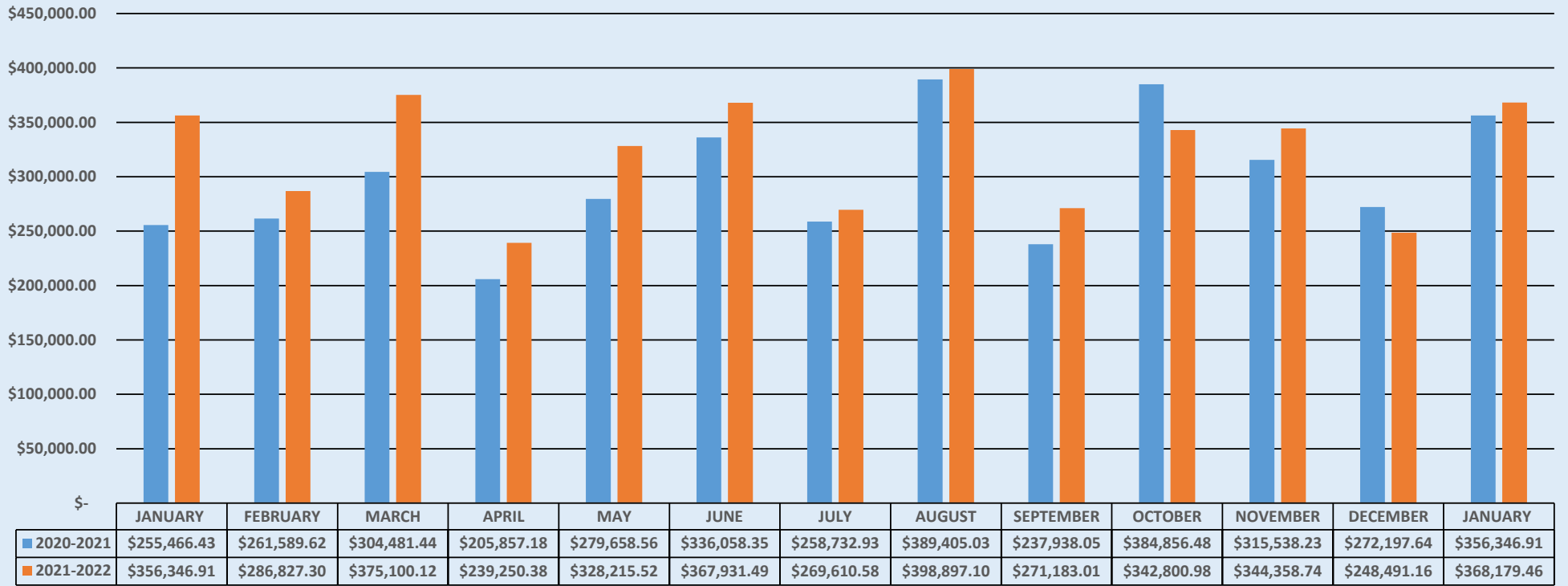
Ord Community

Aging Date	Balance 30 to 60 Days	Balance 60 to 90 Days	Balance 90 to 120 Days	Balance over 120 Days	Totals	
3/9/2020	\$ 78,063.43	\$ 38,972.14	\$ 27,577.38	\$ 736,205.62	\$ 880,818.57	
2/9/2022	\$ 178,756.17	\$ 67,376.18	\$ 43,709.33	\$ 1,116,785.87	\$ 1,406,627.55	
Change	\$ 100,692.74	\$ 28,404.04	\$ 16,131.95	\$ 380,580.25	\$ 525,808.98	60%
%	129%	73%	58%	52%	60%	

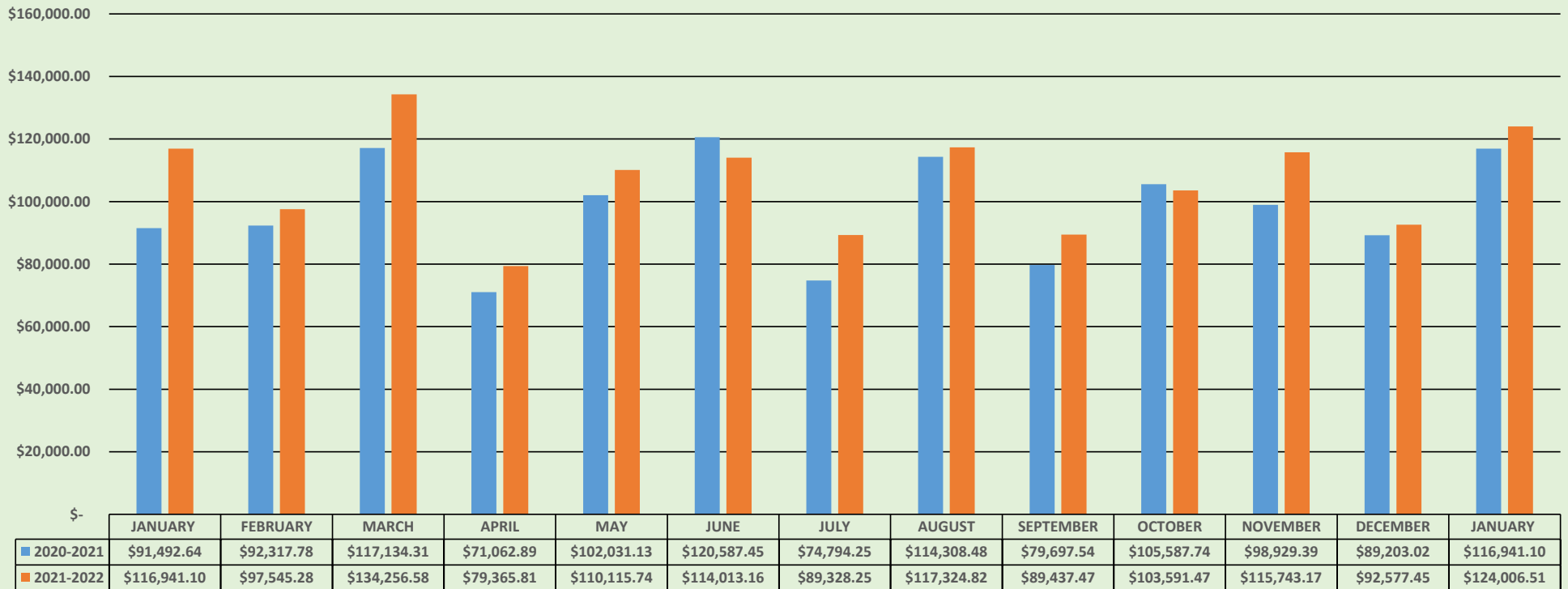
Ord Community (Excluding Bay View Mobile Home Park Main Master Meter Account)

Aging Date	Balance 30 to 60 Days	Balance 60 to 90 Days	Balance 90 to 120 Days	Balance over 120 Days	Totals	
3/9/2020	\$ 59,169.69	\$ 6,816.86	\$ 446.06	\$ 1,532.29	\$ 67,964.90	
2/9/2022	\$ 175,154.94	\$ 54,444.88	\$ 38,144.44	\$ 182,853.36	\$ 450,597.62	
Change	\$ 115,985.25	\$ 47,628.02	\$ 37,698.38	\$ 181,321.07	\$ 382,632.72	563%

Central Marina Monthly Water Customer Payments January 2021- January 2022



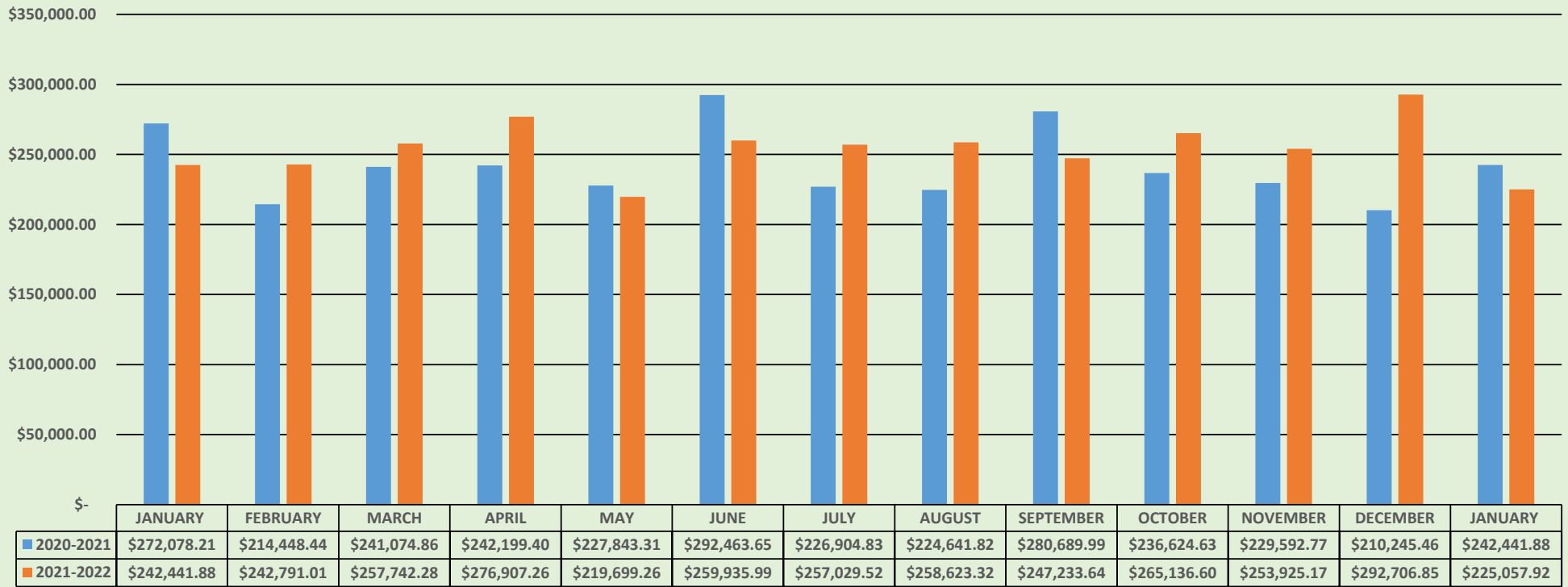
**Central Marina Monthly Sewer Customer Payments
January 2021 - January 2022**



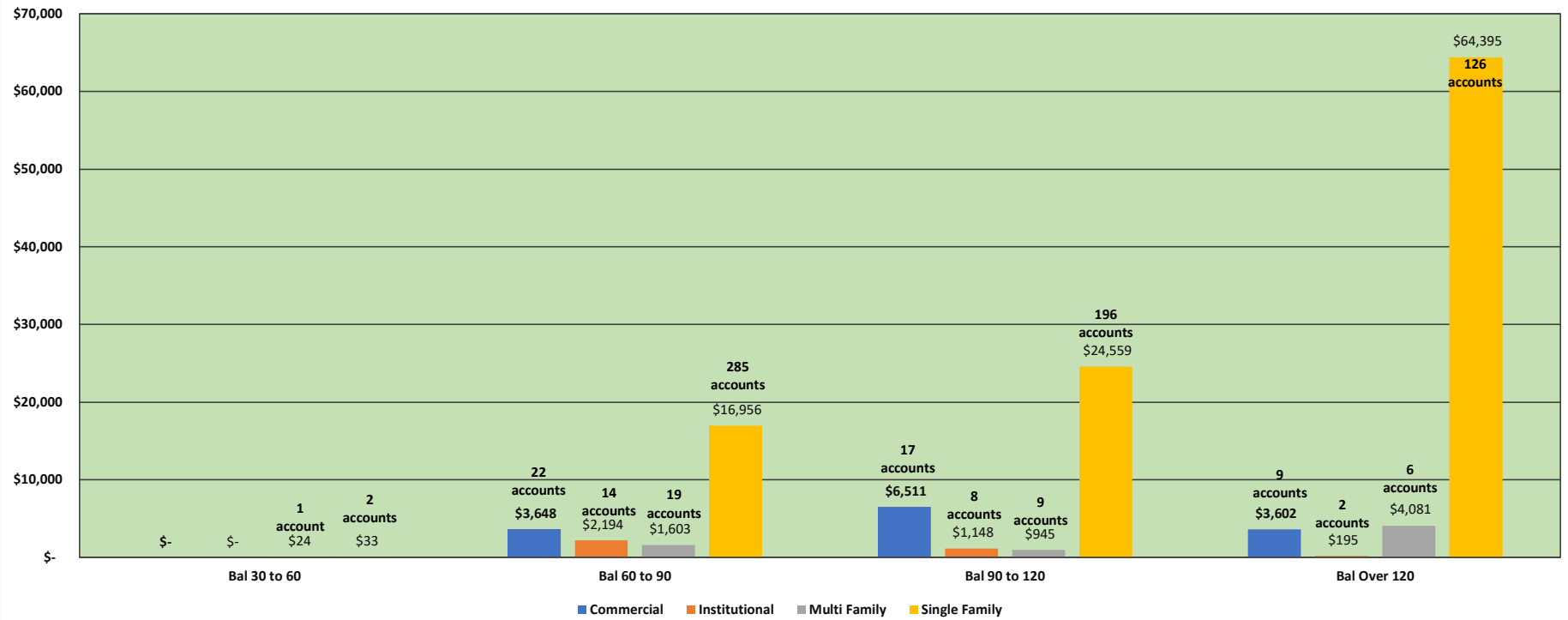
Ord Community Monthly Water Customer Payments January 2021 - January 2022



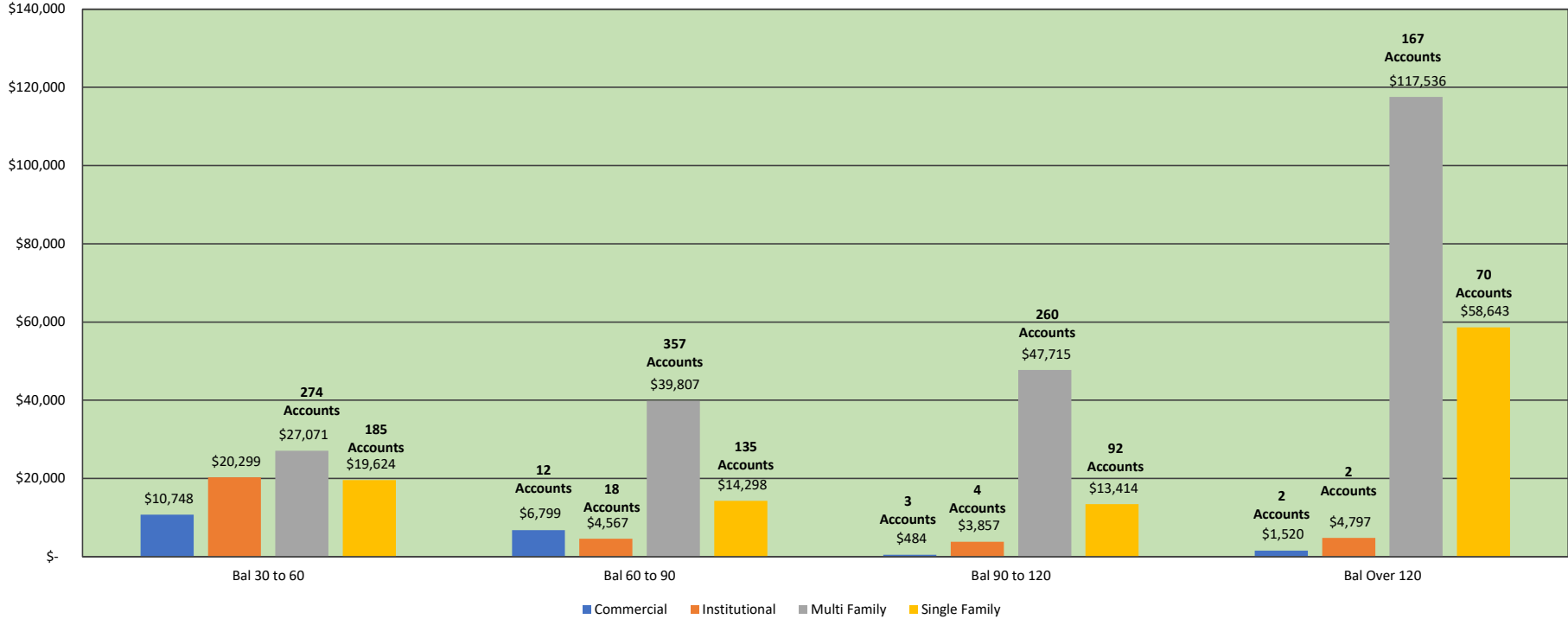
**Ord Community Monthly Sewer Customer Payments
January 2021 - January 2022**



Central Marina Unpaid Balances By ST Category As of January 31, 2022



Ord Community Unpaid Balances By ST Category As of January 31, 2022 Exc. Bay View





MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

Home Page: www.mcwd.org

TEL: (831) 384-6131 FAX: (831) 883-5995

DIRECTORS

JAN SHRINER
President

HERBERT CORTEZ
Vice President

THOMAS P. MOORE
GAIL MORTON
MATT ZEFFERMAN

February 15, 2022

<<Full Name>><<account number>>

<<Address>>, <<City>>

<<State>>, <<Zip>>

To <<Full Name>>,

On January 6, 2022, the Marina Coast Water District (MCWD) sent you a letter to inform you that MCWD applied for and was awarded funding from the California Water and Wastewater Arrearages Payment Program for customer accounts that met the program criteria and your account <<account number>> was included. As a result, the amount of <<amount>> will be applied to your outstanding balance.

As a friendly reminder, the District offers a payment plan which you can use for the remaining past due balance on your account. MCWD is happy to provide a 12-month payment plan in which a portion of your past due balance is paid with monthly current charges. Since Governor Newsom's moratorium for service shut-off for nonpayment expired December 31, 2021, it is important for you to consider signing up for our plan to avoid potential shut-off on March 1, 2022. Also, by participating in a payment plan program we will suspend any penalties accruing to the account for the duration of the plan. As of the date of this letter, your account <<account number>> has an outstanding 60 day past due balance of <<amount>>.

MCWD is deeply committed to assisting our customers in every way possible, even when that assistance is not directly administered by the District. Information on additional payment support programs is available on our website at www.mcwd.org.

Thank you,

Customer Service Department
Marina Coast Water District
11 Reservation Road
Marina, CA 93933



MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

Home Page: www.mcwd.org

TEL: (831) 384-6131 FAX: (831) 883-5995

DIRECTORS

JAN SHRINER
President

HERBERT CORTEZ
Vice President

THOMAS P. MOORE
GAIL MORTON
MATT ZEFFERMAN

February 15, 2022

<<Full Name>> <<account number>>

<<Address>>, <<City>>

<<State>>, <<Zip>>

To <<Full Name>>,

On January 6, 2022, the Marina Coast Water District (MCWD) sent you a letter to inform you that Governor Newsom's moratorium for service shut-off for nonpayment during the COVID-19 pandemic expired December 31, 2021. This is a friendly reminder to sign up for a payment plan for the past due balance on your account.

The District is offering a 12-month payment plan in which a portion of your past due balance is paid monthly with current charges. Completing a payment plan will also suspend any penalties accruing to the account. As of the date of this letter, your account <<account number>> has an outstanding 60 day past due balance of <<amount>>.

MCWD is deeply committed to assisting our customers in every way possible. Information on support programs is also available on our website at www.mcwd.org. If you have any questions or concerns, please call (831) 384-6131. Our customer service staff is happy to help you navigate available programs and to set up a payment plan. MCWD will also be offering a free workshop via Zoom on applying for the Emergency Rental Assistance Program (ERAP) which also assists with utility bills. The Zoom workshop will be on February 23, 2022, at 6:30 PM. Information on joining the workshop will be published on our website at www.mcwd.org.

Thank you,

Customer Service Department
Marina Coast Water District
11 Reservation Road
Marina, CA 93933

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 9-I

Meeting Date: February 22, 2022

Prepared By: Paula Riso

Approved By: Remleh Scherzinger

Agenda Title: Adopt Resolution No. 2022-06 to Proclaim a Local Emergency, and Authorize Remote Teleconference Meetings of All District Legislative Bodies for the Following 30 Days

Staff Recommendation: The Board of Directors adopt Resolution No. 2022-06 to proclaim a local emergency and authorize remote teleconference meetings of all District legislative bodies for the following 30 days.

Background: *Strategic Plan, Mission Statement – We provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management, and the development of water resources in an environmentally sensitive manner.*

On March 4, 2020, Governor Newsom issued a Proclamation of State of Emergency in response to the COVID-19 pandemic. That proclamation remains in effect. As a result of the state of emergency, the Governor issued executive orders that waived the normally strict provisions of the Brown Act relating to holding and participating in meetings via teleconferencing. Executive Order N-29-20 allowed bodies subject to the Brown Act to meet without a physical meeting location, so long as various requirements were met, including providing the public the opportunity to observe and participate in the meeting telephonically or electronically. Executive Order No. N-08-21 extended the suspension of the Brown Act’s normal teleconferencing rules through September 30, 2021.

On September 16, 2021, Governor Newsom signed AB 361 which took effect immediately. This legislation amends the Brown Act to allow meeting bodies subject to the Brown Act to meet via teleconference during a proclaimed state of emergency in accordance with teleconference procedures established by AB 361 rather than under the Brown Act’s more narrow standard rules for participation in a meeting by teleconference. The Monterey County Health Officer has issued a recommendation for social distancing in legislative body meetings, so the first meeting after September 30, 2021, may be held without making findings. If the Board desires to continue to meet remotely via teleconference after that first meeting, the Board is required to make certain findings under AB 361 no later than 30 days after the first teleconference meeting held pursuant to AB 361, and every 30 days thereafter. If the Board does not meet again within 30 days, a special meeting may be necessary for this purpose. If the finding is not timely made, the Board will be required to meet in person to make findings to return to remote meetings.

Discussion/Analysis: The teleconference rules of AB 361 are operative only so long as the Governor’s proclamation of statewide emergency is in place; once that proclamation is terminated, the Board must either meet in person or utilize the normal Brown Act rules for teleconferencing.

On February 1, 2022, the Board adopted Resolution No. 2022-04 proclaiming a local emergency and authorizing remote teleconference meetings of all District Legislative bodies for 30 days. As of this date, the state, and county emergency is still in place and staff recommends proclaiming the

emergency is still in place and authorize the Board to continue to meet remotely via teleconference until such time the emergency is over.

Environmental Review Compliance: None required.

Financial Impact: _____ Yes X No **Funding Source/Recap:** None

Other Considerations: The Board of Directors can elect to not proclaim a local emergency and return to in-person meetings.

Material Included for Information/Consideration: Resolution No. 2022-06.

Action Required: X Resolution _____ Motion _____ Review
(Roll call vote is required.)

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

February 22, 2022

Resolution No. 2022 - 06
Resolution of the Board of Directors
Marina Coast Water District

Proclaiming a Local Emergency, and Authorize Remote Teleconference Meetings of All Meetings of the Board of Directors and Specified Board Committees for the Following 30 Days

RESOLVED, by the Board of Directors ("Board") of the Marina Coast Water District ("District"), at a regular meeting duly called and held on February 22, 2022 via a video conference pursuant to Governor Newsom's Executive Order N-29-20, as follows:

WHEREAS, on March 4, 2020, Governor Newsom issued a Proclamation of State of Emergency in response to the COVID-19 pandemic; and,

WHEREAS, on September 16, 2021, Governor Newsom signed AB 361 which took effect immediately and amends the Brown Act to allow meeting bodies subject to the Brown Act to meet via teleconference during a proclaimed state of emergency in accordance with teleconference procedures established by AB 361 rather than under the Brown Act's more narrow standard rules for participation in a meeting by teleconference; and,

WHEREAS, the first meeting after September 30, 2021, may be held without making findings. However, if the Board desires to continue to meet remotely via teleconference after that first meeting, the Board is required to make certain findings under AB 361 no later than 30 days after the first teleconference meeting held pursuant to AB 361, and every 30 days thereafter; and,

WHEREAS, no later than 30 days after meeting via teleconference for the first time pursuant to AB 361, the body must make a finding that the body "has reconsidered the circumstances of the state of emergency" and further find that "[a]ny of the following circumstances exist: (i) The state of emergency continues to directly impact the ability of the members to meet safely in person. (ii) State or local officials continue to impose or recommend measures to promote social distancing." (Gov't Code §54953(e)(3) [AB 361, p. 11].); and,

WHEREAS, the teleconference rules of AB 361 are operative only so long as the Governor's proclamation of statewide emergency is in place; once that proclamation is terminated, the Board, the Executive Committee, Budget and Personnel Committee, and Community Outreach Committee, and Director participation in the Joint City-District Committee, must either meet in person or utilize the normal Brown Act rules for teleconferencing.

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors of the Marina Coast Water District does hereby:

1. Proclaim a local emergency; and,
2. Reconsidered the circumstances of the state of emergency and find that the following circumstances exist: (i) The state of emergency continues to directly impact the ability of the members to meet safely in person. (ii) State or local officials continue to impose or recommend measures to promote social distancing; and,

3. Authorize Remote Teleconference Meetings of All Meetings of the Board of Directors, the Executive Committee, Budget and Personnel Committee, and Community Outreach Committee, and Director participation in the Joint City-District Committee for the Following 30 Days.

PASSED AND ADOPTED on February 22, 2022 by the Board of Directors of the Marina Coast Water District by the following roll call vote:

Ayes: Directors _____

Noes: Directors _____

Absent: Directors _____

Abstained: Directors _____

Jan Shriner, President

ATTEST:

Remleh Scherzinger, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2022-06 adopted February 22, 2022.

Remleh Scherzinger, Secretary

**Marina Coast Water District
Groundwater Sustainability Agency
Agenda Transmittal**

Agenda Item: 9-J

Meeting Date: February 22, 2022

Prepared By: Patrick Breen

Approved By: Remleh Scherzinger

Agenda Title: Adopt Resolution No. 2022-GSA02 to Approve Amendment 4 to the Professional Services Agreement with EKI Environment & Water, Inc. for Groundwater Sustainability Plan Implementation

Staff Recommendation: The Board of Directors adopt Resolution 2022-GSA02 to:

1. Approve Amendment 4 to the Professional Services Agreement with EKI Environment & Water, Inc. for a total not-to-exceed amount of \$95,000 for Groundwater Sustainability Reporting, Data Management & Implementation; and,
2. Authorize the General Manager to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

Background: *Strategic Plan, Mission Statement – To provide our customers with high-quality water, wastewater collection, and conservation services at a reasonable cost, through planning, management, and the development of water resources in an environmentally sensitive manner.*

The MCWDGSA Monterey Subbasin Groundwater Sustainability Plan was completed and submitted to the Department of Water Resources (DWR) by the January 31, 2022 deadline. The Monterey Sub-basin GSP is currently being reviewed by DWR and DWR is receiving public comment on the plan until April 23, 2022.

EKI has been the technical advisor, coordinator, and developer of the MCWD Groundwater Sustainability Plan(s) for the MCWDGSA. EKI has continually performed at a high level for the District in all of the efforts including, Monterey Sub-basin GSP Development, Completion, and Submission to DWR. EKI has been a valued consultant on related regional issues for the District including defining the Dune Sand aquifer, assistance on the District's efforts to ensure the groundwater resources the District are protected, and advising the District on regional groundwater issues that may affect the District.

For this amendment, Staff recommends EKI to continue efforts including preparation of the annual report due in April 2022 for the Monterey Sub-basin, development of a basin-wide data management system, and other implementation activities detailed in the scope of work attached.

Discussion/Analysis: As mentioned above the GSP for the Monterey subbasin was submitted by the statutory deadline of January 31, 2022, to the DWR. GSP Implementation activities now need to begin.

The Monterey GSP will require an annual report to be provided to DWR by April of 2022, a Data Management System (DMS) will need to be developed, and other implementation activities will begin. Staff and EKI have developed the following scope of services for EKI to assist the District with these activities through June 2022.

Environmental Review Compliance: None required.

Financial Impact: Yes No **Funding Source/Recap:** Funding for this work is included in the FY 2021/2022 Water Resources Department Consultants Budget and is reimbursed at a 50% match as part of the Proposition 1 Sustainable Groundwater Planning Grant.

The Board of Directors awarded a Professional Services Agreement to EKI Environment & Water, Inc. (EKI) for Groundwater Sustainability Plan (GSP) preparation on August 7, 2017. The agreement was subsequently augmented via an amendment(s) by the Board on April 16, 2018, May 18, 2020, and on July 19, 2021, to continue GSP development efforts, develop Basin Setting Information, and Program Management and Grant Administration amongst other activities.

EKI Environment & Water		
8/7/2017	Original GSA Contract	\$ 209,000
4/16/2018	Amendment 1	\$ 566,660
5/18/2020	Amendment 2	\$ 880,000
7/19/2021	Amendment 3	\$ 351,000
Sub-Total		\$2,006,660
2/22/2022	Proposed Amendment 4	\$ 95,000
Total		\$2,101,660

Other considerations: The Board can decide to approve the contract amendment with EKI Environment & Water, Inc., or reject EKI's proposals and advertise for professional services.

Material Included for Information/Consideration: Resolution No. 2022-GSA02; Exhibit A-Scope of Work; and, Attachment B.

Action Required: Resolution Motion Review
(Roll call vote is required.)

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

February 22, 2022

Resolution No. 2022-GSA02
Resolution of the Board of Directors
Marina Coast Water District Groundwater Sustainability Agency
Approving Amendment 4 with EKI Environment & Water, Inc.
for Groundwater Sustainability Planning & Implementation

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District Groundwater Sustainability Agency (“District”), at a regular meeting duly called and held on February 22, 2022 via a video conference pursuant to Governor Newsom's Executive Order N-29-20, as follows:

WHEREAS, the Sustainable Groundwater Management Act (SGMA) of 2014, Water Code Sections 10720-10736.6 was signed into law September 16, 2014; and,

WHEREAS, the District formed Groundwater Sustainability Agencies for the Central Marina and Ord Community Service Areas in portions of the Monterey Subbasin and the 180/400 Subbasin in conformance with the SGMA; and,

WHEREAS, SGMA gives local agencies, such as the District, additional authorities and powers to manage groundwater; and,

WHEREAS, SGMA required a coordinated Groundwater Sustainability Plan (GSP) or GSPs among or between adjacent GSAs and adjacent subbasins be submitted by January 31, 2022; and,

WHEREAS, the MCWD GSA submitted a GSP for the Monterey Sub-basin on January 28th, 2022; and,

WHEREAS, the Monterey Sub-basin GSP now needs to be implemented; and,

WHEREAS, EKI Environment & Water, Inc. staff is familiar with the Marina Coast Water District, with District Staff developed the Monterey Sub-basin GSP, has been providing consulting services to the District since 2014, has demonstrated extensive knowledge related to Groundwater Resources and Planning & Implementation; and District staff believes that the monetary resource proposed herein is reasonable given the complexities of the work.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby:

1. Approve Amendment 4 with EKI Environment & Water, Inc. for annual reporting, data management system formation, and implementation of the MCWD GSA GSP; and,
2. Authorize the General Manager to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution, the total dollar amount not-to-exceed \$95,000.

PASSED AND ADOPTED on February 22, 2021, by the Board of Directors of the Marina Coast Water District Groundwater Sustainability Agency by the following roll call vote:

Ayes: Directors _____

Noes: Directors _____

Absent: Directors _____

Abstained: Directors _____

Jan Shriner, President

ATTEST:

Remleh Scherzinger, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2022-GSA02 adopted February 22, 2022.

Remleh Scherzinger, Secretary

EXHIBIT A –SCOPE OF WORK

Professional Services for Monterey Subbasin Groundwater Sustainability Plan Implementation through June 2022 Marina Coast Water District

EKI Environment & Water, Inc. (“EKI”; formerly known as Erler & Kalinowski, Inc.) is pleased to provide Marina Coast Water District (“MCWD” or District) this scope of work for Implementation of the Monterey Subbasin GSP (“GSP”). This scope of work covers anticipated GSP implementation actions to be conducted through June 2022.

BACKGROUND

The Monterey Subbasin GSP was submitted to the Department of Water Resources (DWR) on 28 January 2022. The plan provides a roadmap for achieving sustainable groundwater management in the 20-year Sustainable Groundwater Management Act (SGMA) compliance period.

Chapter 10 of the GSP identifies implementation actions to be conducted pursuant to the GSP. MCWD GSA initiated GSP implementation activities immediately upon GSP adoption, including but not limited to continued participation in the Seawater Intrusion Working Group, coordination with the Salinas Valley Groundwater Sustainability Agency, and participation in the Deep Aquifers Study.

The scope of work and budget identified herein includes tasks to be performed by EKI to support GSP implementation by MCWD through June 2022. It should be noted that this work authorization focuses on Monterey Subbasin GSP implementation efforts, and that additional tasks associated with completion of grant applications, contractor coordination, and/or preparation of extensive written comments on regional assessments and modeling efforts, which may require independent modeling by MCWD, are not included herein.

PROPOSED SCOPE OF WORK

Task 1 – Annual Reporting

The MCWD Groundwater Sustainability Agency (GSA) is required by 23-CCR § 356.2 to submit an Annual Report to DWR by April 1 of each year following the adoption of the GSP. The first Annual Report must encompass WY 2015 through WY 2021. The Annual Report requires (1) representation of groundwater elevation data from the Subbasin’s monitoring network, groundwater extraction data from the preceding year, total water use by water use sector, and

change in groundwater storage for each principal; and (2) a description of progress towards implementing the GSP, including achieving interim milestones and implementation of projects and management actions.

Pursuant to the MCWD/SVBGSA Framework Agreement, MCWD and SVBGSA will each prepare information for their respective management areas (i.e., the Marina-Ord Area and Corral de Tierra Area). MCWD will lead the drafting of the report and submit the report to DWR. As part of Task 1, EKI will support MCWD in the development, preparation, and submittal of the Monterey Subbasin WY 2021 Annual Report.

Subtask 1.1 - Data Compilation and Processing

Subtask 1.1 involves compiling newly available data from WY 2019 through WY 2021 and updating the MCWD Data Management System (DMS) for the Marina Ord Area. Certain data will need to be obtained from coordinating water management agencies whereas other data will be downloaded from publicly available sources. Data compilation is anticipated to include:

- Obtaining and processing groundwater elevation data from active monitoring wells within the Monterey Subbasin and adjacent to the Monterey Subbasin from MCWRA, Seawater Basin Watermaster, and the U.S. Army;
- Obtaining and processing water quality data from active monitoring wells within the Monterey Subbasin and adjacent to the Monterey Subbasin from MCWRA, Seawater Basin Watermaster, and the U.S. Army, and downloading Public Water System (PWS) monitoring data, if available;
- Obtaining and processing pumping data from MCWD records, and downloading PWS pumping data, if available.

Data compiled under Subtask 1.1 will be used to produce necessary graphics and tables for the Marina-Ord Area for the WY 2021 Annual Report (Subtask 1.3). The data will also be used to estimate potential changes in groundwater storage within the Subbasin. This analysis will be performed through an analysis of groundwater level surfaces and/or use of the Monterey Subbasin Groundwater Flow Model (MBGWFM).

Subtask 1.2 - Write and Submit Annual Report

Subtask 1.2 involves:

- Developing a basin-wide Annual Report template for ongoing reporting;
- Producing necessary graphics, tables, and descriptions required under 23-CCR § 356.2 for the Marina-Ord Area;

- Coordinating and obtaining data, graphics, tables, and descriptions for the Corral de Tierra Area;
- Drafting the WY 2021 Annual Report, and
- Submitting the Annual Report to DWR.

Task 2 –Development of a Basin-Wide Data Management System (DMS)

Beginning in the first year of GSP implementation, SGMA requires submittal of annual monitoring data collected from the Subbasin’s SGMA Monitoring Network in an electronic format.

Currently, MCWD and SVBGSA each maintain independent DMSs developed pursuant to 23-CCR § 352.6 that include data collected by each agency for SGMA compliance. The MCWD DMS currently includes approximately 6,000 sites, 243,000 water elevation measurements, and 123,000 water quality measurements for wells not only located within the Monterey Subbasin but also within adjacent Subbasins.

As described in Section 10.2.3 of the GSP, the MCWD and SVBGSA intend to develop a basin-wide DMS that is used to store, review, and upload data collected from the Monterey Subbasin’s SGMA Monitoring Network. The SGMA Monitoring Network is established in the GSP and includes information from Representative Monitoring Site (RMS) Wells as well as specific other information. It is a subset of the MCWD DMS and SVBGSA DMS. As part of this task, EKI will evaluate options for combining data collected by MCWD and SVBGSA for the Monterey Subbasin and support the District in establishing a basin-wide DMS. The basin-wide DMS will be hosted online (e.g., through a web application) so that data collected from the GSAs’ RMS wells will be available for the public to review. Data anticipated to be added to the basin-wide DMS includes:

- Water level data at groundwater elevation RMS wells and other potential additional monitoring well site(s);
- Groundwater water quality data at seawater intrusion RMS wells and other potential additional monitoring well site(s);
- Groundwater water quality data from the SWRCB’s GeoTracker GAMA groundwater information system for DDW and ILRP wells;
- InSAR data from the DWR SGMA Data View, which will be used to assess land subsidence; and
- Water level data at shallow RMS wells for interconnected surface waters to inform groundwater conditions near groundwater dependent ecosystems (GDEs).

Task 3 – Implementation Actions

Chapter 9 of the GSP identifies a portfolio of projects, management actions, and implementation actions to meet the sustainability goal of the Monterey Subbasin. Several of the implementation actions described in Section 9.5 involve regional coordination. These coordination activities were initiated during GSP development and are scheduled to continue as part of GSP implementation. These actions include supporting groundwater management in adjacent subbasins, participating in the Deep Aquifer Study and the Seawater Intrusion Working Group, and supporting construction of the seawater intrusion model.

As part of Task 3, EKI will support MCWD in these coordination activities through June 2022. These efforts are anticipated to include:

- **GSP implementation in the 180/400 Foot Aquifer Subbasin** (GSP Section 9.5.1): the SVBGSA is currently updating the 180/400 Subbasin GSP to reflect new information developed for the larger Salinas Valley Basin during development of the 2022 GSPs. The update is ongoing and is anticipated to be completed by June 2022. EKI will perform high-level review the draft chapters and provide comments to SVBGSA upon District’s direction.
- **Deep Aquifer Study** (GSP Section 9.5.2): The Deep Aquifer Study was commenced in January 2022 with an anticipated duration of two years. EKI will support MCWD’s participation in the Deep Aquifer Study as a partnering agency including sharing data collected within the Monterey Subbasin, attending Technical Committee meetings and stakeholder meetings, and respond to solicitations of input.
- **Seawater Intrusion Working Group** (GSP Section 9.5.5): EKI will continue to attend Seawater Intrusion Working Group (SWIG) and its Technical Advisory Committee (TAC) meetings, and review information provided to TAC members.
- **Seawater Intrusion Model Construction** (GSP Section 9.5.6): SVBGSA is currently constructing a variable-density flow model with an anticipated completion date before 30 April 2022. The model covers the coastal Monterey, Seaside, and 180/400-Foot Aquifer Subbasins and will used to simulate multi-basin projects and their impacts on seawater intrusion. EKI has been and will continue to review construction and calibration of the model in the Monterey Subbasin and proposed modeling of regional projects. It is assumed that this scope of work does not include preparation of extensive written comments on regional project modeling results and assessment of potential impacts on the Monterey Subbasin, which may require independent modeling by MCWD.

EKI anticipates communication associated with the above efforts will consist of meeting attendance and email communication. Upon District direction, detailed, formal comment letters, and/or independent modeling will be performed under separate authorization(s).

Task 4 – Continued Inter- and Intra- basin Coordination

Both intra- and inter-basin coordination will continue to be conducted following GSP adoption. This task includes coordination efforts primarily with SVBGSA as well as other entities on water management efforts that involve the Monterey Subbasin and the larger Salinas Valley Basin.

Task 4 includes inter- and intra-basin coordination with SVBGSA, Seaside Watermaster, and MCWRA on DMS development, data collection, monitoring, and reporting, groundwater model refinements and updates, as well as SGMA compliance in adjacent basins. It is anticipated that continued Technical Committee meetings will be held between MCWD and SVBGSA approximately monthly to facilitate regional projects planning and implementation actions.

PROJECT SCHEDULE

We are prepared to begin work immediately on this project upon receipt of MCWD authorization to proceed. Efforts under the proposed scope of work of this Work Authorization is anticipated to occur through June 2022. Task 1 will be completed by the Annual Report submission deadline of 1 April 2022.

PROPOSED PROJECT BUDGET

We propose that compensation for consulting services by EKI be on a time and expense reimbursement basis in accordance with our current Schedule of Charges. On the basis of previous authorizations and the consultant budget planned under respective grant applications, we propose a budget of \$95,000 for Tasks 1 through 4, as shown below, which will not be exceeded without additional authorization.

Tasks	Budget
Task 1 – Annual Reporting	\$50,000
Task 2 – Development of a Basin-wide DMS	\$15,000
Task 3 – Implementation Actions	\$ 20,000
Task 4 – Continued Inter- and Intra- basin Coordination	\$ 10,000
TOTAL	\$95,000

EKI’s 2022 schedule of charges is included in Attachment A. Detailed budget estimate for Tasks 1 through 4 is included as Attachment B.

As the services to be provided by EKI may evolve, EKI will inform MCWD whenever the existing budget is anticipated to need augmentation to accomplish requested work; such additional budgets will be established by mutually agreeable work authorizations.

ATTACHMENTS

- Attachment A 2022 Schedule of Charges
- Attachment B Detailed Budget Estimate for Tasks 1 through 4

Attachment B - Detailed Budget Estimate

TASKS	ESTIMATED EKI HOURLY LABOR					TOTAL EKI Labor (\$)	GIS/CADD Software Charge, per hour \$20	OTHER DIRECT COSTS ⁽¹⁾	TOTAL EXPENSES	TOTAL
	CAD/GIS	G4 - Qiwen Zhang	G2 - Aaron Lewis	ASC II - Tina Wang	OFC - Vera Nelson					TASK BUDGET TOTALS (\$)
	\$138	\$172	\$210	\$239	\$319					
Task 1 - Annual Reporting										
Data Compilation and Processing		40	40	16	4	\$20,372	\$0		\$0	\$20,372
Write and Submit Annual Report	16	60	40	20	12	\$29,528	\$320		\$320	\$29,848
Subtotal	16	100	80	36	16	\$49,900	\$320	\$0	\$320	\$50,000
Task 2 –Development of a Basin-Wide Data Management System (DMS)										
Evaluate DMS Options		16		8	2	\$5,298	\$0		\$0	\$5,298
Established and Populate Basin-wide DMS		32	2	12	2	\$9,420	\$0		\$0	\$9,420
Subtotal	0	48	2	20	4	\$14,700	\$0	\$0	\$0	\$15,000
Task 3 – Implementation Actions										
GSP implementation in the 180/400 Foot Aquifer Subbasin				8	4	\$3,191	\$0		\$0	\$3,191
Deep Aquifer Study		4	2	8	2	\$3,659	\$0		\$0	\$3,659
Seawater Intrusion Working Group		4		8	4	\$3,877	\$0		\$0	\$3,877
Seawater Intrusion Model Construction			32	4	6	\$9,595	\$0		\$0	\$9,595
Subtotal	0	8	34	28	16	\$20,000	\$0	\$0	\$0	\$20,000
Task 4 – Continued Inter- and Intra- basin Coordination										
Continued Inter- and Intra- basin Coordination		8	4	16	12	\$9,872	\$0		\$0	\$9,872
Subtotal	0	8	4	16	12	\$10,000	\$0	\$0	\$0	\$10,000
TOTAL:	16	164	120	100	48	\$95,000	\$320	\$0	\$320	\$95,000

Notes:

- (1) "Other Direct Costs" includes direct expenses, as listed below, incurred in connection with the work and will be reimbursed at cost plus ten percent (10%) for items such as:
- Maps, photographs, reproductions, printing, equipment rental, and special supplies related to the work.
 - Consultants, soils engineers, surveyors, drillers, laboratories, and contractors.
 - Rented vehicles, local public transportation and taxis, travel and subsistence.
 - Special fees, insurance, permits, and licenses applicable to the work.
 - Outside computer processing, computation, and proprietary programs purchased for the work.

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-A

Meeting Date: February 22, 2022

Prepared By: Patrick Breen

Approved By: Remleh Scherzinger

Agenda Title: Consider Adoption of Resolution No. 2022-02 to Find that the MCWD Sphere of Influence Amendment and Annexation for Monterey County A.P.N. (031-15-013; 018; 024; 029; 031; 032; 036-44; 054-056); (031-261-003; 004); and (031-152-011) is not subject to CEQA and is exempt from CEQA under CEQA Guidelines sections 15301 (Existing Facilities) and 15319 (Annexations of Existing Facilities and Lots for Exempt Facilities); and Direct Staff to File an Application with the Local Agency Formation Commission

Staff Recommendation: The Board of Directors adopt Resolution No. 2022-02 to:

1. Find that the MCWD Sphere of Influence Amendment and Annexation for Monterey County A.P.N. (031-15-013; 018; 024; 029; 031; 032; 036-44; 054-056); (031-261-003; 004); and (031-152-011) is not subject to CEQA or in the alternative is exempt from CEQA under CEQA Guidelines sections 15301 (Existing Facilities) and 15319 (Annexations of Existing Facilities and Lots for Exempt Facilities); and,
2. Authorize the General Manager to file the MCWD Sphere of Influence Amendment and Annexation application with the Local Agency Formation Commission and to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution; and

Background: *Strategic Plan, 6.1 Annexation of the Ord Community – To ensure direct representation of the Ord Community in matters related to the District, we will work with Local Agency Formation Organization (LAFCO) to expand the District’s Sphere of Influence and legal boundary to include the Ord Community. Additional care will be taken to ensure that existing cost centers remain separate so that the City of Marina and the Ord Community remain independent divisions within the District, supporting their individual infrastructure needs.*

On February 20, 2018, the MCWD Board of Directors adopted Resolution No. 2018-09, which adopted an Initial Study/Negative Declaration for the Ord Community Sphere of Influence Amendment and Annexation, found that the Ord Community Sphere of Influence Amendment and Annexation was not a project subject to the California Environmental Quality Act (“CEQA”) and authorized filing an application with the Local Agency Formation Commission of Monterey County (“LAFCO”) to update MCWD’s Sphere of Influence (“SOI”) and annex properties into MCWD’s jurisdictional boundaries. Subsequent to the above findings, on September 17, 2018, MCWD entered into a Settlement Agreement with Landwatch and Keep Fort Ord Wild which modified MCWD’s initial annexation proposal. MCWD’s modified proposal was approved by LAFCO on April 22, 2019 (the “2019 Annexation” in Figure 1).

The current proposal seeks to amend MCWD’s SOI and jurisdictional boundaries by annexing two sites which had ultimately been excluded from the 2019 Annexation: the Campus Town Specific Plan Project and the Parker Flats Apartment Project. The Campus Town Specific Plan Project consists of approximately 122.23 acres and is located generally in the northern section of the City

of Seaside. (See Figure 2). The Parker Flats Apartment Project consists of approximately 4.9 acres and is located 4386-4387 Parker Flats Cut Off Road, Seaside. (See Figure 3).

On March 5, 2020, the City of Seaside adopted Resolution No. 20-09, which certified the environment impact report, made findings pursuant to the Cal. Environmental Quality Act and adopted a mitigation monitoring and reporting program for the Campus Town project.

Discussion/Analysis: Annexation of these two territories located on the former Fort Ord, areas which are provided water, recycled water, and wastewater services by MCWD, would provide improved governance for MCWD customers. Annexation provides an acceptable and fair governance structure for those customers who will receive water, recycled water, and wastewater service from the District.

See attached Draft LAFCO Application attached (Exhibit A).

MCWD's LAFCO annexation application is for water, recycled water, and wastewater services in areas that MCWD is currently obligated to serve. MCWD owns the water, recycled water, and wastewater infrastructure needed to serve these areas, and groundwater wastewater treatment capacity for the subject parcels have been allocated. The proposed SOI amendment and annexation seeks to update the 2019 Annexation and include areas which have subsequently received approval and service entitlements from the appropriate land use jurisdiction and is consistent with MCWD's Strategic Plans and policy to provide fuller opportunities to participate in governance.

Environmental Review Compliance: As a general proposition, CEQA does not apply to actions, including boundary changes and other LAFCO decisions, that will not cause or lead to any physical changes in the environment. (See *Simi Valley Recreation & Park Dist. v. Local Agency Formation Com.* (1975) 51 Cal.App.3d 648; *City of Agoura Hills v. Local Agency Formation Com.* (1988) 198 Cal.App.3d 480.) Because these projects have already received entitlements for development from the City of Seaside, seeking approval for a boundary adjustment would not cause any changes in the physical environment.

Moreover, the project fits within the categorical exemption for "Annexations of Existing Facilities and Lots for Exempt Facilities." (CEQA Guidelines, § 15319.) The annexation would include only areas containing existing public or private structures developed to the density allowed by current zoning and properties that have already received entitlements for development consistent with current zoning. Lastly, the project qualifies for the categorical exemption for Existing Facilities. (CEQA Guidelines, § 15301.) As explained in the IS/ND, the project would not change the service provided by MCWD or the facilities used to provide those services. (See *North Coast Rivers Alliance v. Westlands Water District* (2014) 227 Cal.App.4th 832.)

The proposed SOI amendment and annexation does not require the construction of new water or sewer infrastructure and does not constitute an approval of a proposed development. The action of changing the District's Local Agency Formation Commission (LAFCO) boundaries, by itself, will not result in physical impacts on the environment as described herein. The proposed project involves no direct changes to the existing water and wastewater system and the associated system permits.

For these reasons, staff is therefore recommending the Board of Director adopt Resolution No. 2022-02 find that the project is not subject to CEQA and in the alternative is exempt from CEQA and authorize the filing of the subject application with Monterey LAFCO.

Other Considerations: None.

Financial Impact: ____ Yes X No **Funding Source/Recap:** None

Material Included for Information/Consideration: Resolution No. 2022-02; Exhibit A: Draft LAFCO Application; Figure 1: MCWD LAFCO Map; Figure 2: Campus Town Proposed Annexation Area; Figure 3: Parker Plats Proposed Annexation Area; and, Draft IA.

Action Required: X Resolution _____ Motion _____ Review
(Roll call vote is required.)

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

February 22, 2022

Resolution No. 2022-02
Resolution of the Board of Directors
Marina Coast Water District
Authorizing Submission of Application for MCWD Sphere of Influence Amendment
and Annexation

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District” or “MCWD”), at a regular meeting duly called and held on February 22, 2022 via a video conference pursuant to Governor Newsom’s Executive Order N-29-20, as follows:

WHEREAS, the MCWD is a County Water District and political subdivision of the State of California, organized under Division 12, sections 3000 and following, of the California Water Code, established in 1960: and,

WHEREAS, the District provides water, wastewater and recycled water service to the former Fort Ord (Ord Community) and holds title to, and is the owner of, all of the water, sewer and recycled water infrastructure within the Ord Community; and,

WHEREAS, the District has made significant investment in the Ord Community in the form of water, wastewater and recycled water infrastructure, addition of staff and equipment, adoption of redevelopment standards and procedures, and the preparation of master plans and water supply project studies; and,

WHEREAS, on February 20, 2018, the MCWD Board of Directors adopted Resolution No. 2018-09, which adopted an Initial Study/Negative Declaration for the Ord Community Sphere of Influence Amendment and Annexation, found that the Ord Community Sphere of Influence Amendment and Annexation was not a project subject to the California Environmental Quality Act (“CEQA”) and authorized filing an application with the Local Agency Formation Commission of Monterey County (“LAFCO”) to update MCWD’s Sphere of Influence (“SOI”) and annex properties into MCWD’s jurisdictional boundaries; and,

WHEREAS, on April 22, 2019, LAFCO approved MCWD’s modified SOI and Annexation proposal (the “2019 Annexation”); and,

WHEREAS, Monterey County A.P.N.’s (031-15-013; 018; 024; 029; 031; 032; 036-44; 054-056); (031-261-003; 004); and (031-152-011) were excluded from the 2019 Annexation, but are now in a position to be included within MCWD’s jurisdictional boundaries and desire to be annexed into MCWD’s jurisdictional boundaries; and,

WHEREAS, the proposed annexation, in and of itself, would have no impact on the environment with regards to future development, as the District would otherwise provide water and wastewater services to the area regardless of whether those areas were annexed; and,

WHEREAS, the District exercises no land use authority for the areas to be annexed, therefore the boundary modification cannot make any change whatsoever in the uses to which the affected area may be put; and,

WHEREAS, annexation of these parcels would provide improved governance for customers by virtue of their inclusion in the jurisdictional boundaries of the District for purposes of voting for, and being eligible to seek election to, the District’s Board of Directors; and,

WHEREAS, MCWD’s current SOI Amendment and Annexation proposal is not subject to the California Environmental Quality Act of 1970, as amended, (“CEQA”) and the guidelines promulgated thereunder (“CEQA Guidelines”) because it would not cause or lead to any change in the physical environment; and,

WHEREAS, MCWD’s current SOI Amendment and Annexation proposal is categorically exempt from CEQA pursuant to CEQA Guidelines Section 15319, entitled “Annexations of Existing Facilities and Lots for Exempt Facilities” (“Class 19”); and,

WHEREAS, MCWD’s current SOI Amendment and Annexation proposal is categorically exempt from CEQA pursuant to CEQA Guidelines Section 15301, entitled “Existing Facilities” (“Class 1”); and,

NOW, THEREFORE, BE IT RESOLVED, that the MCWD Board of Directors, after consideration of the information contained in the February 22, 2022 Staff Report to the District Board, hereby:

1. adopt Resolution No. 2022-02 adopting and approve submission of MCWD’s current Sphere of Influence Amendment and Annexation; and,
2. find that MCWD’s SOI Amendment and Annexation is not subject to CEQA and is exempt from CEQA under CEQA Guidelines sections 15301 (Existing Facilities), 15319 (Annexations of Existing Facilities and Lots for Exempt Facilities), and 15061; and,
3. authorize the General Manager to file a notice of Determination as soon as reasonably practical; and,
4. authorize the General Manager to file the SOI amendment and annexation application with LAFCO and to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED on February 22, 2022, by the Board of Directors of the Marina Coast Water District by the following roll call vote:

Ayes: Directors _____

Noes: Directors _____

Absent: Directors _____

Abstained: Directors _____

Jan Shriner, President

ATTEST:

Remleh Scherzinger, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2022-02 adopted February 22, 2022.

Remleh Scherzinger, Secretary

Marina Coast Water District

Updated Sphere of Influence & Annexation Proposal

Draft Project Description

November 22, 2021

Introduction

The proposed project is the Marina Coast Water District's (MCWD or the District) Updated Sphere of Influence (SOI) Amendment and Annexation of territory into the District's service area (SA), which is proposed in accordance with relevant codes and ordinances of the District, City of Seaside, and the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.

The District currently provides water, wastewater, and recycled water service to the former Fort Ord Community (Ord Community; see Figure 1) as outlined in the Water/Wastewater Facilities Agreement between the Fort Ord Reuse Authority (FORA) and MCWD (1998) and the Assignment of Easement on Former Fort Ord and Ord Military Community, County of Monterey; Quitclaim Deed for Water and Wastewater Systems, between FORA and MCWD, dated October 24, 2001, as amended by the Sphere of Influence and Annexation Proposal approved by the Local Agency Formation Commission on April 22, 2019 (2019 MCWD Annexation).

On February 20, 2018, the MCWD Board of Directors (Board) adopted Resolution No. 2018-09, adopting an Initial Study/Negative Declaration for the Ord Community Sphere of Influence Amendment and Annexation, finding that the Ord Community Sphere of Influence Amendment and Annexation was not a project subject to the California Environmental Quality Act (CEQA) and also exempt from CEQA, and directing District staff to file an application with the Local Agency Formation Commission of Monterey County (LAFCO) for the project to annex properties into MCWD's SA. MCWD filed a Notice of Determination (NOD) and Notice of Exemption (NOE) within five days of the Board action. MCWD's modified proposal was approved by LAFCO on April 22, 2019, by Resolution No. 19-04.

The project is proposed to amend the MCWD SOI and SA (see Figures 2 and 3) to annex two project sites that were excluded from the 2019 MCWD Annexation: the Campus Town Specific Plan Project and Parker Flats Apartments Project. The applicant is:

Name, Title (if applicable): Remleh Scherzinger, General Manager

Agency: Marina Coast Water District

Address: 11 Reservation Road, Marina, CA 93933

Phone Number: (831) 384-6131

Email Address: RScherzinger@mcwd.org

Location

The MCWD is situated in the northwest corner of Monterey County, California (Figure 1). The proposed project location includes two project sites within the City of Seaside on the former Fort Ord: the Campus Town Specific Plan Project and Parker Flats Apartments Project sites (Figures 2 and 3).

The Campus Town Specific Plan Project site is approximately 122.23 acres situated at the northern end of Seaside, approximately one mile east of the Monterey Bay and 900 feet east of State Route 1 (SR 1). The project site is bound to the west by 1st Avenue and vacant land that lies just east of SR 1, and to the east by 7th Avenue and a parking lot. The project site is bisected by General Jim Moore Boulevard, which runs north to south. Between 1st Avenue and General Jim Moore Boulevard, the project site is bounded to the north by Lightfighter Drive and California State University, Monterey Bay (CSUMB), and is bounded to the south by the Ord Community Commissary, Army and Air Force Exchange Service Military Exchange PX, Ord Military Community housing, Ord Military Community Recreation Center, and General Stilwell Community Center of the U.S. Army Garrison Presidio of Monterey. Between General Jim Moore

Boulevard and 7th Avenue, the project site is bounded to the north by Colonel Durham Street and by various uses such as CSUMB, the Army National Guard Recruiting Center, Department of Defense (DoD) Defense Manpower Data Center, and former Fort Ord land, and is bounded to the south by Gigling Road, Ord Military Community housing, and the U.S. DoD Army Hospital. The Assessor Parcel Numbers (APNs) are listed in Table I.

The Parker Flats Apartments Project is located on 4.9 acres at 4386-4387 Parker Flats Cut Off Road within a portion of Assessor's Parcel Number 031-152-011 in the City of Seaside within the former Fort Ord. Existing surrounding development includes: a veterinary clinic, a medical clinic, an eight-story U.S. DoD building (i.e., the Defense Manpower Data Center), and parking lots to the north; a Defense Language Institute (DLI) immersion facility to the south and east. The California Central Coast Veterans Cemetery is located approximately 1,000 feet to the south.

Table 1. Assessor Parcel Number (APN) Summary for Campus Town Specific Plan Project

Proposed Specific Plan (APN)	Campus Specific (acres)	Town Plan	Phase 1 Proposed Project (acres) ¹	Phase 2 Proposed Project (acres) ¹	Phase 2 Campus Town Parcels Not Part of the VTM (acres) ²
031-151-013 (portion) ³	0.54		0.54	-	-
031-151-018	4.17		-	-	4.17
031-151-024 ⁴	1.60		-	-	1.60
031-151-029 ⁵	16.23		6.44	9.79	-
031-151-031	3.81		-	3.81	-
031-151-032	1.23		1.23	-	-
031-151-036 (portion) ⁴	1.64		-	-	1.64
031-151-037 ⁴	1.16		-	-	1.16
031-151-038	0.83		-	-	0.83
031-151-039	7.35		-	7.35	-
031-151-040 ⁵	37.56		0.22	37.34	-
031-151-041 ⁶	3.20		-	-	3.20
031-151-042 ⁶	3.51		-	-	3.51
031-151-043 ⁴	0.41		-	-	0.41
031-151-044 ⁴	1.68		-	-	1.68
031-151-054	22.52		22.52	-	-
031-151-055 ⁷	11.28		11.28	-	-
031-151-056	2.83		2.83	-	-
031-261-003	0.34		-	0.34	-
031-261-004	0.34		-	0.34	-
Total	122.23		45.06	58.97	18.2

¹ These parcels are included in the KB-Bakewell VTM.

² These parcels are located within the Plan Area, but are not included in the Purchase Agreement with KB-Bakewell.

³ A 0.54-acre portion of this parcel is included in the KB-Bakewell VTM, while the remainder of the parcel is not. The 0.54-acre portion of this parcel is within the existing right-of-way and will be abandoned and obtained by KB Bakewell.

⁴ These parcels are owned by third parties (not the project applicant). Parcel -024 is owned by MST, parcel -036 is outside City boundaries, parcel -037 is owned by FORA, and parcels -043 and -044 are owned by the U.S. Government.

⁵ This parcel straddles the proposed phase line. The appropriate acreage is attributed to each phase.

⁶ These parcels (containing, Monterey College of Law and Monterey County Bar Association) are not included in the KB Bakewell VTM and are not proposed for modification.

⁷ A vacated restaurant building is located at the northeast corner of General Jim Moore Boulevard and Gigling Road. This building would be demolished by KB-Bakewell. Also, the demolition of the Presidio of Monterey Fire Station has been assumed to be part of the Proposed Project.

--- = not applicable

The current MCWD SOI and SA is 8,086 acres. The proposed SOI amendment and annexation territory includes 127 acres, making the total new MCWD SOI and SA 8,213 acres after project approval.

Population

The MCWD estimates that its service population is approximately 35,734 people, of which an estimated 17,060 reside within the City of Marina and 18,674 live in areas of the Ord Community. The population of the City of Seaside is 34,115 (2020 U.S. Census). Other adjacent population areas include the Cities of Monterey and Del Rey Oaks.

Purpose and Need

The District currently provides water, wastewater, and recycled water services to these areas. The Campus Town and Parker Flats Apartment projects will have received their final land use approvals and associated water allocations prior to annexation approval. As such, these properties can now be annexed into the MCWD's SOI and SA. Adding these properties to the SA will also eliminate islands within the District that were created during the 2019 MCWD Annexation.

No conditions have been assigned to this proposal and the proposed area is not being requested to be taxed for existing bonded indebtedness or contractual obligations.

Determination of Boundaries

The proposal's boundaries follow existing parcel boundaries and/or right-of-way limits all within the former Fort Ord. The project would annex territory currently within the City of Seaside to include the two project sites. The existing water and wastewater systems cross jurisdictional boundaries due to the jurisdictional divisions on the former Fort Ord.

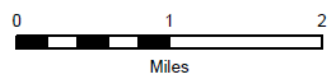
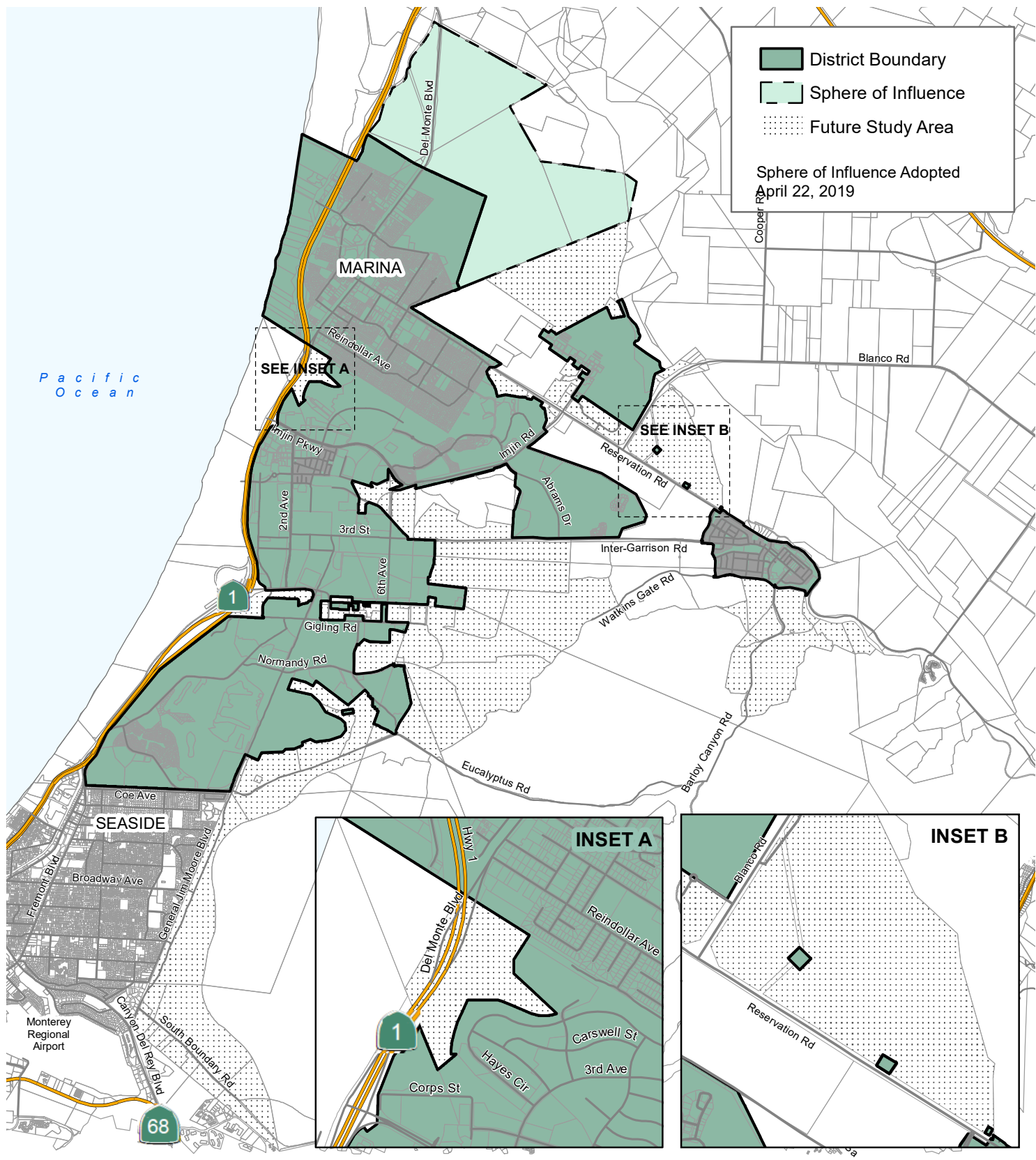
The project is proposed to eliminate islands created during the 2019 MCWD Annexation.

The annexation includes adjacent streets and rights-of-way and is consistent with LAFCO Policy D.II.7. The boundaries of the proposed project follow existing political boundaries, primarily the boundary follows existing parcel boundaries with some portions of the parcels excluded, which follow current right-of-way boundaries or development boundaries.

The proposed annexation would not divide any existing tax assessment parcels. The District is funded only by rates and fees and does not collect property taxes.

The proposed annexation would not physically divide an established community, commercial district, or any other area having social or economic homogeneity.

The proposed annexation does not include all of the development parcels within the former Fort Ord, including all those within the City of Seaside. Although MCWD's future annexation plans contain all the former Fort Ord lands, including those territories which have not yet received final land use entitlements or approved water allocations including them in this application would not be beneficial at this time.





Source: LAFCO of Monterey County

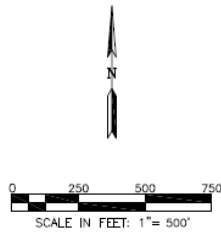
<h1>MCWD LAFCO Map</h1>		
 Denise Duffy & Associates, Inc. Planning and Environmental Consulting	Date 11/8/2021	Figure 1
	Scale 1" = 1.2 Miles	



LEGEND

- *  EXISTING MCWD DISTRICT BOUNDARY AREAS
-  PROPOSED MCWD ANNEXATION AREAS

* PER LAFCO-APPROVED "COUNTY WATER DISTRICTS" MAP DATED 10/31/2019



Campus Town Proposed Annexation Properties



Denise Duffy & Associates, Inc.
Planning and Environmental Consulting

Date
11/8/2021

Scale
1" = 500'

Figure

2



Source: Parker Flats Apartments Project CEQA Class 32
 Categorical Exemption Report, March 2018

Parker Flats Apartments Proposed Annexation Property



Denise Duffy & Associates, Inc.
 Planning and Environmental Consulting

Date
 11/8/2021

Scale
 1" = 150'

Figure

3

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-B

Meeting Date: February 22, 2022

Prepared By: Andrew Racz
Reviewed By: Patrick Breen

Approved By: Remleh Scherzinger

Agenda Title: Adopt Resolution No. 2022-07 to Approve a Water, Sewer and Recycled Water Infrastructure Agreement between the Marina Coast Water District and the Marina Developers, LLC for the Sea Haven Phase 4 Development Project

Staff Recommendation: The Board of Directors adopt Resolution No. 2022-07 approving a Water, Sewer and Recycled Water Infrastructure Agreement between the Marina Coast Water District and the Marina Developers, LLC, a California Corporation for the Sea Haven Phase 4 Development Project.

Background: *Strategic Element No. 2 Infrastructure – Our objective is to provide a high quality water distribution system and an efficiently operating wastewater collection system to serve existing and future customers. Through the master planning process, our infrastructure strategy is to carefully maintain our existing systems and ensure future additions and replacements will meet District standards.*

The Marina Developers, LLC, a California Corporation (Developer) is continuing development activities at the Sea Haven (formerly Marina Heights) residential development Project. This approximately 248-acre Project is located within the incorporated City of Marina and in the Ord portion of MCWD’s service area. The Developer is requesting MCWD to enter into this Water, Sewer, and Recycled Water Infrastructure Agreement (hereafter referred to as the Infrastructure Agreement, or IA) because of water, sewer and recycled water infrastructure needing to be installed that will most appropriately be owned, operated, and maintained by MCWD. The City of Marina serves as the land-use jurisdiction over this development project. The Developer has deposited monetary funds with MCWD to conduct the preliminary work of their proposed development; their development account is in good-standing.

The overall development is divided into five phases (Phase 1 through Phase 5). In November of 2007, MCWD entered into agreement with Cypress Marina Heights, LP (Cypress) to begin land development at Sea Haven. Cypress developed Phases 1 (arterial roadways and associated water/sewer infrastructure) and 2 (neighborhood roadways/infrastructure and approximately 300 single-family residential units). Marina Developers acquired Cypress’s stake in the remaining phases (Phases 3-5) in May 2018 and began land development of Phases 5A and 3A in 2019 (phase development is occurring out of numerical sequence), and Phase 3B in 2021. The next phase to be developed, Phase 4, adjoins Phase 3B to the east and is bounded by Abrams Drive to the south, Carmel Avenue to the east and areas of Central Marina to the north. Phase 4 covers an area of 68 acres will contain approximately 300 total units when completed. For the purposes of construction phasing, Sea Haven Phase 4 is divided into “A” and “B” phases. Phase 4A is located farther to the west and will be developed prior to Phase 4B. The proposed Infrastructure Agreement covers both phases. A development map depicting the project site (Exhibit C) and surveyed legal description of the geographic area covered by this IA (Exhibit B) are included after this item’s Resolution.

As per City of Marina Resolution 2004-41, adopted by City Council on March 3, 2004, to approve the supplement to the certified final EIR on the Marina Heights Specific Plan, the total Water Allocation for all development phases of the Development is 292.39 AFY (Exhibit A). The completion of Phase 4 will bring the total number of units in Sea Haven to approximately 950 mostly single-family homes. Based on MCWD’s Assigned Water Use Rates established in Appendix C of the 2020 rate study and adopted into Ordinance 61, a use factor of 0.28 AFY applied to each single-family unit (or 0.24 AFY for townhomes) would bring total water use in Sea Haven to 264 AFY at the completion of Phase 4, remaining wholly within the Project allocation. A summary of completed/proposed units and water use by Project phase is as follows:

SEA HAVEN Project Phase:	Built to date		Remaining		Total	
	Units	AFY	Units	AFY	Units	AFY
Phase 2	257	71.96	43	11.08	300	83.04
Phase 5A	67	18.76	6	1.44	73	20.20
Phase 3A	93	26.04	97	25.72	190	51.76
Phase 3B	0	0	91	25.48	91	25.48
Phase 4A	0	0	211	57.88	211	57.88
Phase 4B	0	0	93	25.80	93	25.80
Subtotal through Phase 4B:	417	116.76	541	147.40	958	264.16
Phase 5B	0	0	92	25.76	92	25.76
Total at Project Completion:					1050	289.92
City of Marina Allocation:						292.39

Discussion/Analysis: The Board of Directors is requested to approve this Infrastructure Agreement for the Sea Haven Phase 4 development project; the attached draft Infrastructure Agreement is based upon the most recent MCWD Infrastructure Agreement template.

The new infrastructure being transferred to the District will be constructed within the public right-of-way, public utility easements, or within easements provided to MCWD by the Developer. The specific infrastructure proposed for transfer includes PVC potable water pipelines, PVC gravity sewer pipelines, associated sewer manholes, water valves, fire-hydrants, and other water and sewer appurtenances. An Engineer’s Estimation of Probable Costs, to serve as a basis for preparing the Performance and Labor and Materials Bonds specified by this Infrastructure Agreement, will be provided as an initial step in the planning and design process.

Environmental Review Compliance: This Infrastructure Agreement is not a “project” under the California Environmental Quality Act (CEQA); this action is categorically exempt.

Financial Impact: ___ Yes ___ X No **Funding Source/Recap:** There is no financial impact.

Other Considerations: The Board may desire to consider other alternatives to adopting the motion as recommended by staff including:

1. Modifying or conditioning the action; or,
2. Direct further staff work; or,
3. Deny the action.

Material Included for Information/Consideration: Resolution No. 2022-07; and, draft Infrastructure Agreement

Action Required: Resolution Motion Review
(Roll call vote is required.)

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

February 22, 2022

Resolution No. 2022-07
Resolution of the Board of Directors
Marina Coast Water District

Approving a Water, Sewer, and Recycled Water Infrastructure Agreement
Between Marina Coast Water District and Marina Developers, LLC for the
Sea Haven Phase 4 Development Project

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on February 22, 2022 via a video conference pursuant to Governor Newsom’s Executive Order N-29-20, as follows:

WHEREAS, the Marina Developers, LLC, a California Corporation (“Developer”) have coordinated with the District on their Sea Haven Phase 4 development project, consisting of new construction and related infrastructure, located within the former Fort Ord portion of the City of Marina; and,

WHEREAS, the City of Marina, acting as a land-use jurisdiction, has allocated by Resolution 2004-41 a water supply of 292.39-AFY, out of a total annual allotment of 1,175-AFY for incorporated former Fort Ord lands; and,

WHEREAS, the District and the Developer, are working cooperatively regarding proposed water, recycled water and sewer system improvements; and,

WHEREAS, the District and the Developer have agreed upon the proposed Water, Sewer and Recycled Water Infrastructure Agreement and desire to enter into same; and,

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby:

1. authorize the General Manager to execute the Water, Sewer and Recycled Water Infrastructure Agreement between the Marina Coast Water District and the Marina Developers, LLC, a California Corporation, for the Sea Haven Phase 4 development project; and,
2. to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED February 22, 2022, by the Board of Directors of the Marina Coast Water District by the following roll call vote:

Ayes: Directors _____

Noes: Directors _____

Absent: Directors _____

Abstained: Directors _____

Jan Shriner, President

ATTEST:

Remleh Scherzinger, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2022-07 adopted February 22, 2022.

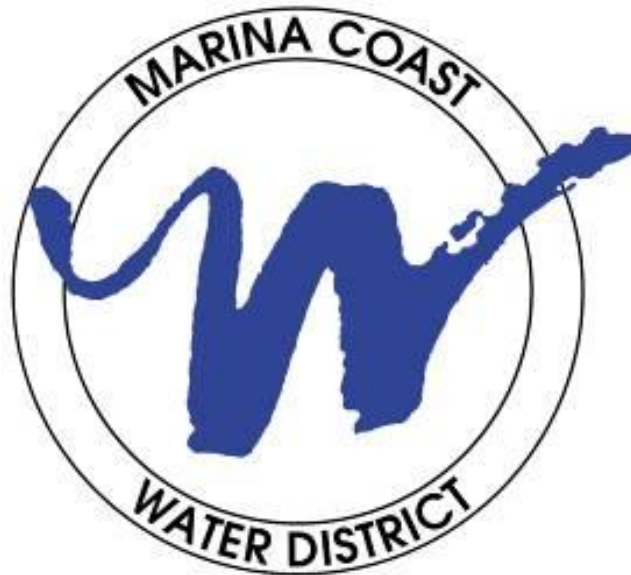
Remleh Scherzinger, Secretary

MARINA COAST WATER DISTRICT

Water, Sewer and Recycled Water Infrastructure Agreement

for

Sea Haven Phase 4



WATER, SEWER AND RECYCLED WATER
INFRASTRUCTURE AGREEMENT

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Exhibits

EXHIBIT A – WATER ALLOCATION DOCUMENTATION

EXHIBIT B – LEGAL DESCRIPTION

EXHIBIT C – MAP OF DEVELOPMENT

EXHIBIT D – INDEMINIFCATION AND INSURANCE REQUIREMENTS

WATER, SEWER AND RECYCLED WATER INFRASTRUCTURE AGREEMENT

This Agreement made and entered into this 22nd Day of February, 2022 (“Effective Date”), between **Marina Coast Water District**, 11 Reservation Road, Marina, CA, 93933, hereinafter called "District", and [1], a [2], with its principal offices at [3], hereinafter called the "Developer" (collectively, the “parties”) The name of the Developer’s development that is the subject of this Agreement is [4 – Name given to the Development].

1. Definitions; Allocations; District’s Role; Term of this Agreement.

1.1 Definitions, whenever used in this Agreement, the following terms shall have the following respective meanings:

a. “Agreement” means this Water, Sewer and Recycled Water Infrastructure Agreement as it may be amended from time to time in accordance with the terms and conditions hereof.

b. “City” means the City of Marina and/or the appropriate Agency of Land Use Jurisdiction.

c. “Contractor” means any contractor with which the Developer has a direct contractual relationship to perform any Work under this Agreement.

d. “Development” means that certain property located in the City of Marina and legally described in Exhibit “B” and shown on the map at Exhibit “C.”

e. “Facilities” shall mean those certain infrastructure improvements and system provided for in this Agreement and as approved by District as part of its review of the Development plans, Facilities shall include, but not be limited to, pipes, pumps, electrical and instrumentation and controls comprising water, sanitary sewer, recycled water, landscape irrigation, or temporary landscape irrigation Facilities.

f. “Procedures” means the District’s *Procedure Guidelines and Design Requirements*.

g. “Project” means the 1,050 residential unit master planned community known as Sea Haven (formerly known as Marina Heights), as referenced in City of Marina Resolution 2004-41, which is attached hereto as Exhibit “A”.

h. “Standards” means the District’s *Standard Plans and Specifications for Construction of Domestic Water, Sewer, and Recycled Water Facilities*.

i. “Water Allocation” means the total water allocated by the City/Land Use Jurisdiction for the Project as documented in Exhibit “A”.

j. “Work” means any construction activities related to the design, installation, and construction related to the Facilities conducted or undertaken by Developer or Developer’s employees, contractors, agents, and subcontractors, in furtherance of or pursuant to this Agreement.

1.2 Allocation of Water Capacity for the Development. The parties hereto expressly agree that as a condition precedent for the performance of the District’s obligations hereunder, Developer must provide proof, to the satisfaction of the District, that an approved allocation of water capacity for the Project from the water and recycled water capacity as allocated by the City exists. The Assigned Water Use Rates published as Appendix C in MCWD Ordinance No. 61, Section 8 (adopted August 17, 2020) shall be the basis for calculating Project water demand. The potable water allocation for all development phases of the Project, as articulated in Exhibit “A,” is 292.39 AFY. A copy of Appendix C is also included in Exhibit A.

1.3 Sewer Capacity. The District provides sewer collection from customers and conveyance of those sewer flows to the Monterey One Water (M1W) Regional Interceptor System which discharges to the M1W Wastewater Treatment Plant (WWTP). If additional capacity is required for the Development, the Developer shall purchase the capacity from the M1W at the Developer’s sole expense and shall provide proof of payment for that capacity right to the District at the time the sewer infrastructure is conveyed. Furthermore, the Developer understands and agrees that nothing herein shall be construed as a representation of future sewer capacity by District.

1.4 District’s Role. The District’s role in the Development is to approve the plans for Facilities, inspect the construction of the Facilities, accept Developers dedication, assignment and transfer of the Facilities, to maintain and operate the systems, deliver water, sewer and recycled water services and to bill customers for such services at rates set for the District’s Service Area from time to time.

1.5 Term. This Agreement commences upon the above Effective Date and shall expire (a) three (3) years thereafter or (b) upon completion by the Developer and acceptance by the District of all Facilities required by this Agreement and the expiration of the required warranty period, whichever occurs first, unless terminated sooner as provided in section 19 of this Agreement.

2. Design and Construction Requirements

2.1 The Facilities shall be designed, constructed and be operable in strict accordance with the District's requirements, which shall be a condition of the District's acceptance of the system Facilities under this Agreement. The District’s requirements include, but are not limited to the following:

2.1.1 Developer shall design and construct the Facilities in strict accordance with the District's most recent Procedures and Standards in effect when plans and specifications are approved, and any other applicable State Regulatory Agency requirements, whichever are most stringent. Any conflict in Development requirements shall be addressed during the plan review process or at such other times as any such conflict is discovered. A licensed civil engineer registered in the State of California shall prepare and stamp all plans and specifications for the Developer.

2.1.2 The Developer shall comply with the District's most recent Procedures and the District's most recent Standards in effect at the time when submitting Development plans and specifications to the District for review and consideration for approval. District's review shall commence after the District determines compliance with District's Procedures regarding the submittals and any other applicable State Regulatory Agency requirements, whichever are most stringent. District review of the Development's plans and specifications shall commence after receipt of the initial deposit (see Section 2.1.7).

2.1.3 The Developer shall comply with most recent District Code in effect at the time when submitting Development plans and specifications including, but not limited to, section 4.28 *Recycled Water*. The District will identify recycled water turnout location(s). The Developer will also install the lateral lines from each turnout to the point of delivery. The Developer, or its successors or assignees (such as an owner's association), will assist MCWD to obtain all required permits for the on-site use of recycled water. This shall include but is not limited to, complying with the California Department of Health Services, the State of California Regional Water Quality Control Board and other regulatory agency requirements prior to constructing any recycled water Facilities.

2.1.4 The District shall have the right to inspect the construction of the Facilities and ensure that construction and installation conforms to the Development plans and specifications. District's right to inspect extends to five (5) feet from the building exterior at the point where the utility enters the structure. The District shall also have the right to confirm that Developer is using special fixtures including zero water use urinals, hot water recirculation systems, etc., in compliance with the District's most recent rules and ordinances. The District's right to confirm compliance under this section does not in any way eliminate or supersede any inspection obligations by the City or County, including but not limited to the issuance of final occupancy permits. District will endeavor to inform the responsible City or County agency of these MCWD requirements so that the responsible agency can incorporate these items into their inspection punch list.

2.1.5 All Facilities subject to District's right of inspection shall be tested to meet District requirements. No Facilities or portion thereof will be accepted without meeting all District test requirements. The District shall have the right to inspect the Facilities in progress in the construction of either in-tract or out-of-tract water, recycled water and sewer infrastructure Facilities or special fixtures, as described above.

2.1.6 The Developer, on a phased basis, agrees to pay all fees and charges, including additional plan check fees and construction inspection fees as required by the District for the Development. These fees will be determined by the District at the time the fees are due and payable. The District may also require a prepaid fee to cover staff time before preliminary level or concept level plan check begins. (See *Procedures* section 100.6.2) If the District Engineer determines consultant assistance is required for plan check review or portion thereof, the Developer agrees to prepay the additional plan check fees if that cost exceeds the balance on the initial deposit. The District shall obtain the Developer's written approval for any costs in excess of this amount, for which approval shall not be unreasonably withheld. Upon the execution of this Agreement by both parties, the Developer shall deposit with the District the applicable administration and plan check fees. Any surplus fees shall be returned to the Developer.

2.1.7 Construction Inspection Fees. On a phased basis, the District shall require the construction inspection fee before undertaking a construction inspection review of the proposed Facilities. As a condition precedent to the District's obligation to undertake a construction inspection review of the proposed Facilities, the Developer shall provide to the District the construction inspection fee, which is currently five hundred dollars (\$500.00) per unit plus three percent (3%) of Facilities construction costs, pursuant to Developer's Engineer's estimate. (See *Procedures* section 200.3.2)

3. Temporary Irrigation

3.1 In the event the Developer has complied with the terms of this Agreement, the Developer may specify areas of landscaping within the area covered by this Agreement to have "temporary irrigation." A temporary irrigation network may only exist for 6-years from installation. At the end of 6-years, the temporary irrigation network will have ceased to exist (i.e. be demolished) or it will be considered a District-approved, permanent irrigation connection.

3.2 The Development's temporary irrigation network Facilities shall be designed, constructed and be made operable, and then demolished in strict accordance with MCWD's requirements. District's requirements include, but are not limited to the following:

3.2.1 Developer shall design and construct the temporary irrigation network facilities in strict accordance with the below requirements, MCWD's most recent Procedures and Standards in effect at the time when Development plans and specifications are approved (contained in MCWD's Procedures, Guidelines, and Design Requirements and the MCWD Water Code), and any other applicable State Regulatory Agency requirements, whichever are most stringent. This requirement expressly includes MCWD Water Code section 4.28 *Recycled Water*. Any conflict between these requirements shall be addressed during the plan review process or at such other times as any such conflict is discovered. A licensed landscape architect registered in the State of California shall prepare all plans and specifications for the temporary irrigation networks.

3.2.2 Developer, within the design of the temporary irrigation network, shall specifically provide MCWD a clear depiction of the temporary irrigation network layout and the precise area, in acres and square feet, that will be irrigated temporarily. The connection location and all surface and subsurface features that will be demolished and removed by Developer at the end of the temporary network's useful life shall be depicted.

3.2.4 Developer shall design the temporary irrigation networks with the piping and irrigation distribution heads above the surface of the ground. Some features may be installed in boxes below the surface, but the piping shall return to the surface in as few feet as feasible after passing through any such subsurface feature. In particular, the meter box in which MCWD will install the temporary irrigation meter shall be installed per normal MCWD standard (and thereby will be below the surface).

3.2.5 Developer shall provide, within the design of the temporary irrigation network, a demolition design detail acceptable to MCWD depicting the temporary irrigation site's connection demolition and remaining irrigation facilities in their post-demolition condition.

3.3 District shall have the right to inspect the construction of the temporary irrigation networks facilities, verify that construction conforms to the plans, specifications and MCWD standards,

witness the demolition and removal of the temporary irrigation network, and inspect the demolition and removal of the temporary irrigation network's connection. District's right to inspect does not in any way eliminate or supersede any inspection obligations by the State or local Land Use Jurisdiction.

3.4 As required by MCWD, all temporary irrigation networks shall be tested to meet MCWD requirements. No facilities or portion thereof will be accepted as suitable for service without meeting all MCWD test requirements. The District shall have the right to inspect work in progress in the construction of either in-tract or out-of-tract temporary irrigation networks as described above.

3.5 Developer agrees to pay all costs-to-connect as a condition precedent to MCWD's obligation to install the meter required to serve water to the temporary irrigation network. Costs to connect for a temporary irrigation network include, but are not limited to, the meter installation fee (which includes the cost of the meter itself), a water permit fee, a backflow prevention program fee (all at the then-existing rates), and the payment of a special connection fee. These costs-to-connect are due prior the installation of water meters. The special connection fee shall be in the exact amount of the Water capacity charge that would otherwise be assessed to the identical permanent irrigation network with the magnitude of the special connection cost determined in identical fashion. District's Board of Directors reserves its right to review and revise these cost-to-connect fees and charges from time to time subject to applicable law and MCWD's approval procedures for such charges. Developer agrees to pay the costs-to-connect in effect at the time of providing services.

3.6 If the temporary irrigation network is removed to MCWD's satisfaction by the end of the third-year since meter installation (or by an earlier date), then the special connection fee shall be reimbursed to Developer in the amount of the 100% of the special connection fee. Similarly, if the temporary irrigation network is removed:

- By the end of the fourth-year since meter installation as determined in Section 3.5, then the special connection fee reimbursement to Developer shall be 75%.
- By the end of the fifth-year since meter installation as determined in Section 3.5, then the special connection fee reimbursement to Developer shall be 50%.
- By the end of the sixth-year since meter installation as determined in Section 3.5, then the special connection fee reimbursement to Developer shall be 25%.

If the temporary irrigation network remains in-service following the end of the sixth-year, then no reimbursement of special connection fees will be owed to the Developer and the temporary irrigation network may be removed (or not) at the discretion of Developer. The District will retain all special connection fees paid and will treat the so-called temporary irrigation network as a District approved, permanent irrigation connection.

4. Existing Water, Sewer and Recycled water Infrastructure/Annexation

4.1 The Developer will comply with the District's *In-Tract Policy* regarding any water, recycled water and sewer mains or appurtenances within the Development. Developer, or its successors or assignees, shall assume all responsibility, and will hold District harmless, for all infrastructure within the Development that will be modified, removed or abandoned by Developer. Abandonment-in-place requires written approval by the District. The Developer shall be solely responsible for repair, replacement and maintenance of existing District Facilities to remain within

the Development boundaries during the construction of the Development, regardless of whether the Facilities are for the benefit of the Development.

4.2 Annexation. Developer acknowledges that the Development shall be annexed into the District's jurisdictional boundaries. In exchange for the District's commitments to provide the services specified herein to the Development, the Developer, and its successors and assigns, hereby irrevocably consent to the annexation of the Development to the District. The terms and conditions of this section of the Agreement supersedes interpretations of MCWD Water Code section 3.08.060.D. Developer shall cooperate in all manner with the requests of the District, the Monterey County Local Agency Formation Commission ("LAFCO"), or any other public agency in any proceedings to annex the Development to the District. The Developer shall be responsible for preparing all studies, maps, legal descriptions, and other documents required by LAFCO in connection with the annexation process, including the efforts to comply with CEQA requirements. The Developer shall also be responsible for any engineering, legal and publication costs and all other charges which may be incurred by the District in preparing and examining maps, legal descriptions and other documents in relation thereto, and other expenses regularly incurred in connection with the annexation of the Development into the District. Expressly, the Developer shall be responsible for paying all LAFCO and State Board of Equalization fees and costs or any other fees in connection with the annexation. District, in its discretion, may require Developer to provide a deposit at the commencement of the annexation process for District's cost reimbursements described herein. District may require Developer to replenish the deposit within thirty (30) days of written notice. The Developer shall indemnify and defend the District from all legal actions in relation to the annexation.

5. District to Serve Development

5.1 District will deliver water, recycled water and provide sewer service to the Development after final Board Acceptance of the conveyance of the Facilities and final Board Acceptance of the Facilities (see *Procedures* section 300.25). Thereafter, the District will bill and serve the end-user(s) directly. The Developer shall pay the prepayment of applicable meter fees and Capacity Charges, cross connection charges, and all other applicable fees and charges for service. Once the applicable fees and charges are determined and paid in full, the District will immediately begin water service with the installation of the water meter(s). The District shall provide sewer service upon installation of water meters and payment of all applicable fees. The District's obligations in this section are subject to District's rules, regulations, policies and ordinances, which may be updated from time to time.

6. Capacity Charge

6.1 The current Ord Community capacity charges, effective January 1, 2022, for water and sewer services are \$12,050 per EDU and \$3,100 per EDU, respectively, under Title 6 of the MCWD Water Code and which may be adjusted annually under that Title. In addition to these authorized annual adjustments, the District Board of Directors reserves its right to review and revise these charges from time to time subject to applicable law and the District's approval procedures for such charges. The Developer shall pay the capacity charges in effect on the date that the Meter Application for any given EDU is accepted by MCWD.

7. Provision for Non-Potable Water Use

7.1 Based upon existing studies, the District does not have sufficient existing firm water supplies to meet the water demands of projected developments within the District's service area. Therefore, improvement plans must be compatible with District's then-in effect master recycled-water capital facilities improvement plans and anticipate the availability of a non-potable water supply to serve common area open spaces within the Development, as permitted by applicable laws and regulations.

7.2 Developer, and its successors or assignees (such as an owners association), agrees to take recycled water for non-potable use. Developer, or its successors or assignees agree that the District-established cost will be paid by the recycled water customers.

8. Non-Completion of Prior Projects and Phases

8.1 To the extent Developer has existing obligations under any other agreement(s) with District which have yet to be fulfilled, District reserves the right to refuse to provide the services specified herein until Developer completes those tasks to the satisfaction of District.

9. Licensed Contractor

9.1 The Developer, or his authorized representative (contractor, or subcontractors as the case may be) performing the Work, shall be licensed under the provisions of the Business and Professions Code of the State of California to perform the specified Work required for the Development. District reserves the right to waive this requirement at its sole discretion where permitted under state statute.

9.2 The Developer, or its Contractor, shall be skilled and regularly engaged in the installation of water, recycled and sewer systems. The District may request evidence that the constructing party has satisfactorily installed other projects of like magnitude or comparable difficulty. Upon request, contractors must furnish evidence of their qualifications to do the Work in a form suitable to the District prior to the commencement of any Work on the Facilities.

10. Permits, Easements, and Related Costs

10.1 Except as otherwise provided in this Agreement, the Developer shall obtain all necessary local, county and state permits (including encroachment permits) and conform to requirements thereof. Developer shall obtain all easements (excluding easements within existing public rights of way) necessary for ingress and egress to and from the Facilities for the purpose of installation, operation, maintenance, replacement and removal of said Facilities and for the location of the Facilities. Pipeline easements shall be 20 feet in width or as otherwise agreed by the District Engineer and Developer. Easements shall be in a form approved by the District and it shall be the Developer's responsibility to have the approved easements recorded. Developer shall provide proof of recordation of the easements, in a form satisfactory to the District, prior to the District's obligation to provide any of the services contemplated by this Agreement.

11. Final Inspection and Reimbursement of District Costs

11.1 The District must inspect completed Facilities, or portion thereof. The District will not accept any Facility until the District engineer has given written approval that the Facility satisfies

the District's requirements. Developer shall be responsible for all costs incurred by the District that are associated with interim and final inspection, completion, additional construction, and testing of the Facilities, subject to the limitations set forth in Section 2 *Design and Construction Requirements*. Developer shall reimburse District for costs to correct any damages to facilities related to the construction of the Development caused by the Developer or any authorized representative (developer's contractor). This reimbursement obligation is limited to the warranty period described in Section 17 *Warranties*. Developer shall remit to District prior to the conveyance of the facilities to the District, payment of all costs due and unpaid under this Agreement over and above deposits previously paid to the District. If there are surplus deposit funds or any refunds due Developer, then District shall return to Developer within 90-days the amount of such surplus or refunds upon acceptance by the District of all Facilities required to be constructed under this Agreement.

12. District's Non-responsibility for Acts or Omissions of Developer, etc.; Developer Responsible for Verifying Underground Utility Lines and Surface Obstructions

12.1 The District is not responsible for and does not assume any responsibility or liability whatsoever for, acts and omissions of the Developer, Developer's contractors or any contractor's subcontractors or suppliers at any tier during the design and construction of the Facilities. Any location of underground utility lines or surface obstructions given to the Developer or placed on the project drawing by District are for the Developer's convenience and must be verified by Developer in the field. The District assumes no responsibility for the sufficiency or accuracy of such information, lines, or obstructions.

13. As-Built Plans, Specifications, Values, Etc.

13.1 Developer shall, as a condition of District's acceptance of the Facilities, provide to the District in accordance with Section 400.13 of the *Procedures Guidelines and Design Requirements* the following:

13.1.1 One set each of Mylar drawing prints and AutoCAD digitized files of the improvement plans, which show all of the Facilities, and one hardcopy and one electronic copy of the specifications, and one hardcopy and one electronic copy of any contract documents used for the construction of the water, sewer and recycled water system Facilities. Scanned and signed copies in Adobe Acrobat format are also required.

13.1.2 One hardcopy and one electronic copy of a complete, detailed statement of account, the form and content to be provided by the District at the time of conveyance, of the amounts expended for the installation and construction of the Facilities, with values applicable to the various components thereof, together with a list of any other materials and equipment (and their values) being transferred.

13.1.3 Any other documents required by Section 400.13 of the *Procedures Guidelines and Design Requirements*.

14. Indemnity, Insurance, and Sureties

14.1 Indemnity and Insurance - The Developer agrees to have every Contractor performing Work on the Facilities fully comply with the all of the requirements in Exhibit D. To the extent

that any indemnity or insurance coverage provided by any such Contractor does not fully indemnify the District for any and all claims as defined in Exhibit D, Developer agrees to indemnify, hold harmless, and defend the District, its directors, officers, employees, representatives, and authorized volunteers. Coverages required by Exhibit D shall be maintained throughout the term of this Agreement. Every Contractor shall file with the District prior to the commencement of any Work under this Agreement, and as policy renewals occur, Certificates of Insurance evidencing that the insurance coverages required herein have been obtained and are currently in full force and effect.

14.2 Performance and Payment Surety - Developer or its Contractor, as the case may be, shall furnish the District with a surety to secure the completion of and payment for the Facilities. The amount of the performance surety shall not be less than 100% of the District's estimate of the total cost to construct all of the Facilities required under this Agreement. The amount of the payment surety shall not be less than 100% of the District's estimate of the total cost to construct all of the Facilities required under this Agreement. The surety instrument shall be in a form satisfactory to the District such as a performance and payment bond, irrevocable letter of credit, cash deposit, or irrevocable construction "set-aside" letter. Such surety may include evidence that it was submitted to another public agency of an equivalent or greater amount covering the Work to be done under this Agreement. Each surety must be authorized in the State of California to issue the surety instrument provided. All surety instruments signed by an agent must be accompanied by a certified copy of the agent's authority to act.

14.3 Developer shall furnish the District with a Warranty bond or other surety instrument satisfactory to the District in the amount equal to twenty percent (20%) of the actual construction costs to secure the Developer's performance under Section 17, Warranties.

14.4 Submittal of Insurance Certificates and Surety - The required insurance certificates shall be delivered prior to commencement of construction. The required performance and payment surety shall be delivered to the District prior to District approval of plans and specifications. No Work may be commenced under this Agreement unless and until all required insurance certificates and performance and payment sureties are submitted to and approved by the District. The Warranty surety shall be provided prior to the District's acceptance of the Facilities and shall remain in effect for the duration specified in Section 17.1.

14.5 The performance surety shall remain in effect until final acceptance of the Facilities by the District in accordance with Section 15.1. The payment surety shall remain in effect until the last of the following occur: (i) the statutory time has expired to commence a legal action on the payment surety and no legal action was filed, (ii) satisfaction of all judgments against the payment surety, and (iii) as otherwise provided by law. The warranty surety shall remain in effect until all warranties under this Agreement have expired, as provided in section 17.1.

15. Transfer of System Facilities to District after Completion

15.1 Developer shall execute and obtain all signatures of all other parties having any interest (including any Deed of Trust), and deliver a conveyance satisfactory in form and content to District. This conveyance shall transfer unencumbered ownership of all Facilities required by this Agreement to the District together with all real property, interests in real property, easements and rights-of-ways (including any off-site easements or real property) other than those contained in public rights of way, and all overlying and other underground water rights that are a part of,

appurtenant to, or belonging to the Development now or hereafter served by the water, sewer and recycled water system Facilities that are necessary or appropriate in the opinion of the District for the ownership and operation of the Facilities. Provided all conditions set forth in this Agreement are satisfied, the District shall accept the conveyance. All costs of construction of the Facilities, for which the Developer is responsible, shall have been paid for by Developer, the time for release of the payment surety under Section 14.2 shall have expired (or Developer shall provide other security acceptable to the District), and the title to all of the Facilities and the interests in real property transferred shall be good, clear and marketable title, free and clear of all encumbrances, liens or charges. Developer shall pay costs of any title insurance deemed necessary by the District and is reasonable and customary for the insured transaction type. All Work, including final inspection punch list items must be completed prior to transfer, and the transfer shall not be completed until the conveyance transferring the water, sewer and recycled water system Facilities has been formally accepted by the District. After transfer, the District shall own and be free in every respect to operate and manage the Facilities and to expand or improve, or interconnect the Facilities with other adjacent facilities, as the District deems appropriate in its sole discretion.

16. Developer Assistance

16.1 Developer shall, secure and provide any information or data reasonably needed by District to take over the ownership, operation, and maintenance of the Facilities. This obligation shall extend to one year after transfer of the Facilities.

17. Warranties

17.1 Developer hereby warrants that as of the time of the District's acceptance of the conveyance of the Facilities (or when Developer thereafter completes the installation of any components of the Facilities subsequently installed, repaired, or replaced) the Facilities and all components thereof, will be in satisfactory working order and quality and free of any defect in equipment, material, or design furnished, or workmanship performed by the Contractor or any subcontractor or supplier at any tier; and that the Facilities and all components thereof have been constructed and installed in compliance with all approved specifications and as-built plans being provided to the District, and in accordance with applicable requirements of the District and any other governmental agency having jurisdiction. Developer also warrants that as of the time of the District's acceptance of the conveyance of the Facilities (or when Developer thereafter completes the installation of any components of the Facilities subsequently installed, repaired, or replaced) the Facilities will operate in good and sufficient manner for the purposes intended for (a) one (1) year after the latter of (i) the date of acceptance, (ii) the expiration of all lien enforcement periods, or (iii) proof of conveyance of Facilities, or (b) 180-days from the date new Facilities are subsequently re-installed, repaired, or replaced and inspected and accepted by the District (hereafter *replacement facilities*), whichever of (a) or (b) occurs last. The Developer shall remedy at the Developer's expense any failure to conform with any applicable requirement of the District, by any Contractor or any subcontractor or supplier at any tier, or any defect. If the Developer fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice by the District or any other person or entity, the District shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Developer's expense and the Developer shall indemnify District for all such costs (including District's own labor costs) incurred.

17.2 With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for Work performed and materials furnished under this Agreement, the Contractor

shall:

- (1) Obtain all warranties that would be given in normal commercial practice;
 - (2) Require all warranties to be executed, in writing, for the benefit of the District;
- and
- (3) Enforce all warranties for the benefit of the District, if directed by the District.

In the event any warranty under this section has expired, the District may bring suit at its expense to enforce a subcontractor's, manufacturer's, or supplier's warranty.

17.3 This Section 17 shall not limit the District's rights under the law with respect to latent defects, gross mistakes, or fraud.

18. No Water, Recycled Water and Sewer Service Prior to Completion and Transfer

18.1 The Developer shall not allow any occupant or person to commence operations or use of any part of the Facilities without the express written consent of the District. District may impose conditions or restrictions upon any consent to such prior service, such as posting a surety bond. District recognizes that the Development, and hence the Facilities, may be built, accepted and transferred in multiple phases. Notwithstanding any of the foregoing, Developer may use the Facilities before they are accepted for fire protection and construction purposes in all phases, subject to satisfaction of applicable testing.

19. Performance

19.1 Developer agrees to promptly design and construct the Facilities and, transfer the same to the District in accordance with the terms of this Agreement. If construction of the Facilities have not been completed and accepted by District within twenty four (24) months from the date of execution of this Agreement (such date may be extended for delays beyond Developer's control and without the fault or negligence of the Developer or any Contractor or subcontractor or supplier at any tier, but in no event shall such delay exceed twelve (12) additional months), the District shall have the option to terminate this Agreement. If construction on any phase is not complete within twenty-four months or as extended as provided above, then an Amendment to this Agreement will be necessary to address each such phase, which shall incorporate the policies, fees and charges of the District then in effect as of the effective date of said Amendment. Subsequent phases also may at District's discretion be addressed by Amendment(s) to this Agreement.

19.2 Responsibility for Work - Until the completion and final acceptance by the District of the Facilities under and implied by this Agreement, the Developer will require the Facilities to be under the Contractor's responsible care and charge. The Contractor shall rebuild, repair, restore and make good all injuries, damages, re-erectments, and repairs occasioned or rendered necessary by causes of any nature whatsoever.

20. Assignment

20.1 Neither party may assign their rights or obligations under this Agreement within its term without the written consent of the other party.

20.2 Provisions of water delivery, recycled water delivery, and sewer service will be deemed

assigned to each property owner upon close of escrow of each commercial and/or residential unit in the Development. Upon assignment, the Developer's responsibilities relating to recycled water Facilities, use and approvals will become the assignee's responsibility. This provision will cease to have any effect when the District accepts title to the water Facilities, or the Agreement is terminated.

21. Dispute Resolution Procedure

21.1 Disputes arising under this Agreement shall be resolved as provided in this section.

21.2 Prevention of Disputes/Meet and confer - The parties agree that they share an interest in preventing misunderstandings that could become claims against one another under this Agreement. The parties agree to attempt to identify and discuss in advance any areas of potential misunderstanding that could lead to a dispute. If either party identifies an issue of disagreement, the parties agree to engage in a face-to-face discussion of the matter within three (3) calendar days of the initial request. If the dispute cannot be negotiated between the parties, the matter shall first be brought to the attention of the District's Board of Directors at the first available regularly scheduled Board Meeting. As a contract dispute, the matter shall be considered by the District Board of Directors in closed session under the Brown Act without the Developer or Contractor in attendance. If any disagreement remains unresolved for ten (10) days after consideration by the District Board of Directors, the parties agree to submit it to mediation as provided in Section 21.3 below.

21.3 Mediation - Either party may demand, and shall be entitled to, mediation of any dispute arising under this Agreement at any time after completing the meet and confer process described in subsection 21.2. Mediation shall commence not more than ten (10) days after the initial mediation demand and must be concluded not more than thirty (30) days after the date of the first mediation demand. If mediation is not concluded within that time, then either party may demand arbitration as set forth in Section 21.4.

Mediation shall be submitted first to a mediator with at least ten years' experience with the issues in dispute. The mediator shall be selected by mutual agreement of the parties. Failing such mutual agreement, a mediator shall be selected by the presiding judge of the Monterey County Superior Court. In the interest of promoting resolution of the dispute, nothing said, done or produced by either party at the mediation may be discussed or repeated outside of the mediation or offered as evidence in any subsequent proceeding. The parties acknowledge the confidentiality of mediation as required by Evidence Code 1152.5.

No mediator shall submit, and no arbitrator or court shall consider, any mediator recommendations, declarations, or findings unless the parties give their written consent to the proposed mediator statement.

21.4 Arbitration - If mediation fails to resolve the dispute, the parties shall select an arbitrator by mutual agreement. Failing such agreement, the arbitrator shall be selected by the Presiding Judge of the Superior Court. The decision of the arbitrator shall be final and not subject to judicial litigation.

Arbitration shall be commenced within thirty (30) days of the arbitration demand and concluded within 60 days of arbitration demand.

Arbitration shall follow the so-called “baseball arbitration” rule in which the arbitrator is required to select an award from among the final offers presented by the contending parties. The arbitrator may not render an award that compromises between the final offers.

Unless the arbitrator selects another set of rules, the arbitration shall be conducted under the J.A.M.S. Endispute Streamlined Arbitration Rules and Procedures, but not necessarily under the auspices of J.A.M.S. Upon mutual agreement, the parties may agree to arbitrate under an alternative scheme or statute. The Arbitrator may award damages according to proof. Judgment may be entered on the arbitrator’s award in any court of competent jurisdiction.

NOTICE: IN AGREEING TO THE FOREGOING PROVISION, YOU ARE WAIVING YOUR RIGHT TO HAVE YOUR RIGHTS UNDER THIS AGREEMENT TRIED IN A COURT OF LAW OR EQUITY. THAT MEANS YOU ARE GIVING UP YOUR RIGHT TO TRIAL BY JUDGE OR JURY. YOU ARE ALSO GIVING UP YOUR RIGHT TO DISCOVERY AND APPEAL EXCEPT AS PROVIDED IN THE ARBITRATION RULES. IF YOU REFUSE TO ARBITRATE YOUR DISPUTE AFTER A PROPER DEMAND FOR ARBITRATION HAS BEEN MADE, YOU CAN BE FORCED TO ARBITRATE OR HAVE AN AWARD ENTERED AGAINST YOU BY DEFAULT. YOUR AGREEMENT TO ARBITRATE IS VOLUNTARY.

BY INITIALING THIS PROVISION BELOW, THE PARTIES AFFIRM THAT THEY HAVE READ AND UNDERSTOOD THE FOREGOING ARBITRATION PROVISIONS AND AGREE TO SUBMIT ANY DISPUTES UNDER THIS AGREEMENT TO NEUTRAL BINDING ARBITRATION AS PROVIDED IN THIS AGREEMENT.

MCWD’s INITIALS _____ ’s: INITIALS _____

22. Waiver of Rights

22.1 Waiver. No waiver of any breach or default by either party shall be considered to be a waiver of any other breach or default. The waiver by any party for the time for performing any act shall not constitute a waiver of the time for performing any other act or an identical act to be performed at a later time. None of the covenants or other provisions in this Agreement can be waived except by written consent of the waiving party.

23. Notices

23.1 All notices, demands, or other communications, which this Agreement contemplates or authorizes, shall be in writing and shall be personally delivered, or mailed by certified mail, return receipt requested, or delivered by reliable overnight courier, to the respective party as follows:

To District: Marina Coast Water District
Attn: General Manager
11 Reservation Road
Marina, California 93933

To Developer: _____

23.2 The address to which notice may be sent may be changed by written notification of each party to the other as above provided.

24. Severability

24.1 If any term or provision of this Agreement is determined to be illegal, unenforceable, or invalid in whole or in part for any reason, such illegal, unenforceable, or invalid provisions or part thereof shall be stricken from this Agreement. Stricken provisions shall not affect the legality, enforceability, or validity of the remainder of this Agreement so long as the stricken provision is replaced with a legal, enforceable and valid provision that conforms with the allocation of benefits and burdens to the respective parties and intent of the parties as expressed herein.

25. Paragraph Headings

25.1 Paragraph headings are for convenience only and are not to be construed as limiting or amplifying the terms of this Agreement in any way.

26. Successors and Assignees

26.1 This Agreement shall be binding on and benefit the assignees or successors to this Agreement in the same manner as the original parties hereto.

27. Integrated Agreement

27.1 This Agreement integrates and supersedes all prior and contemporaneous agreements and understandings concerning the subject matter herein. This Agreement constitutes the sole agreement of the parties and correctly sets forth the rights, duties and obligations of each to the others. Future amendments must be in writing signed by the parties. Any prior agreements, promises, negotiations or representations not expressly set forth in this Agreement are of no force and effect.

28. Negotiated Agreement

28.1 This Agreement has been arrived at through negotiation between the parties. Neither party is deemed the party that prepared the Agreement within the meaning of Civil Code Section 1654.

29. Attorneys' Fees

29.1 If arbitration or suit is brought to enforce or interpret any part of this Agreement, the prevailing party shall be entitled to recover as an element of costs of suit, and not as damages, a reasonable attorneys' fee to be fixed by the arbitrator or Court, in addition to any other relief granted. The "prevailing party" shall be the party entitled to recover costs of suit, whether or not the suit proceeds to arbitrator's award or judgment. A party not entitled to recover costs shall not recover attorneys' fees. No sum for attorneys' fees shall be counted in calculating the amount of an award or judgment for purposes of determining whether a party is entitled to recover costs or

attorneys' fees.

29.2 If either party initiates litigation without first participating in good faith in the alternative forms of dispute resolution specified in this Agreement, that party shall not be entitled to recover any amount as attorneys' fees or costs of suit even if such entitlement is established by statute.

30. Exhibits

30.1 All exhibits referred to in this Agreement and attached to this Agreement are incorporated in this Agreement by reference.

31. Disclaimer/Indemnity Regarding Public Works

31.1 District has not determined whether the project would be considered a "Public Works" project for the purposes of California law, and makes no warranties or representations to Developer about whether the project would be considered a "Public Works" project. Developer is aware that if the project is considered a "Public Works" project, then Developer would have to pay "prevailing wages" under California Labor Code section 1771. If Developer fails to pay such prevailing wages, Developer acknowledges that it will be liable to, among other things, pay any shortfall owed as well as any penalties that might be assessed for failure to comply with the law. If Developer does not pay prevailing wages, and an action or proceeding of any kind or nature is brought against the District based on such failure, Developer will defend and indemnify District in the action or proceeding. District agrees to reasonably cooperate and assist Developer in any the defense of any such action.

32. No Third-Party Beneficiaries

32.1 There are no intended third-party beneficiaries to this Agreement.

33. Compliance with Laws

33.1 Developer will comply with all laws, rules and regulations in carrying out its obligations under this Agreement.

34. Counterparts

34.1 This Agreement may be executed in counterparts, and each fully executed counterpart shall be deemed an original document.

Signature Page

By: DEVELOPER,

XXXXXXX, President and CEO
Developer's Name

By DISTRICT

XXXXXXXXXX, General Manager
Marina Coast Water District

EXHIBIT A
WATER ALLOCATION DOCUMENTATION

EXHIBIT 'A'

RESOLUTION 2004-41

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MARINA
TO APPROVE THE SUPPLEMENT TO THE CERTIFIED FINAL ENVIRONMENTAL
IMPACT REPORT ON THE MARINA HEIGHTS SPECIFIC PLAN/ABRAMS "B"
HOUSING PROJECT**

WHEREAS, on November 25, 2003, the City of Marina City Council certified the Final Environmental Impact Report (EIR) for the Marina Heights Specific Plan/Abrams "B" Housing Project (the "Project"), and

WHEREAS, the Marina Heights project involves demolition of 828 abandoned military housing units on a portion of the former Fort Ord historically referred to as Abrams Park and Upper Patton Park. These units would be replaced by 1,050 new residential units. In the adjacent Abrams "B" housing area, 194 existing residential units (192 units currently used as residences, 2 currently used for support purposes) would remain in place. An additional 12 existing transitional housing units operated by Interim, Inc. located between the Specific Plan area and the Abrams "B" area would also remain in place. The Marina Heights Specific Plan (the "Specific Plan") indicates that a 28-acre site (a portion of the landfill for the former Fort Ord) located adjacent to the Specific Plan area would be improved for use as an 18-acre public park, with the remaining 10 acres to be considered as a future school site. Implementation of the Specific Plan would result in the development of 5.85 acres of sub-neighborhood parks, creation of an 8.53-acre Oak Grove Preserve, development of a 12.92-acre greenbelt/linear park approximately 150 feet wide, and additional greenbelt linkages totaling approximately 8.33 acres, and

WHEREAS, the EIR evaluated the potential environmental effects associated with the implementation of the Specific Plan. It was intended to "identify the significant effects of the Project on the environment, identify alternatives to the Project, and to indicate the manner in which those significant effects can be mitigated or avoided." The EIR is meant to provide an objective, impartial source of information to be used by the lead agency (the City of Marina), as well as other agencies and the public, in their considerations regarding the adoption, rejection or modification of the Specific Plan as proposed, and

WHEREAS, since certification of the EIR, the Marina Coast Water District ("MCWD") issued a Water Supply Assessment and Written Verification of Supply for the Project ("WSA"). This WSA was adopted by the MCWD Board of Directors on December 15, 2003 pursuant to Government Code Section 10910 et. seq. and Government Code Section 66473.7 (b)(1). The WSA includes important information related to the MCWD's assessment of the Project's estimated demand for water, and the MCWD's ability to meet anticipated future water demand within the Specific Plan area and elsewhere in Marina. The WSA intends to supplement the water supply analysis of the EIR, and

WHEREAS, City Planning Department staff, in coordination with the environmental consultant that prepared the EIR, Lamphier-Gregory, carefully reviewed the Water Supply Assessment and prepared a Supplement to the EIR pursuant to the California Environmental Quality Act ("CEQA") Guidelines Section 15163, and

WHEREAS, CEQA provides that a Supplement is a mechanism for incorporating new information in a certified EIR if only minor additions or changes would be necessary to make the previous EIR adequately apply to the project in the changed situation, and

WHEREAS, under CEQA Guidelines Section 15163(c), the Supplement to the EIR was circulated for a 45-day public review period, and responses to all comments received on the Supplement to the EIR during the public review period have been prepared City Planning Department staff, in coordination with the environmental consultant that prepared the EIR, Lamphier-Gregory, and reviewed by the Marina City Council. .

NOW THEREFORE, THE CITY OF MARINA CITY COUNCIL DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. The City finds that:

- 1) Based on values used by MCWD in calculating estimated future water demand for the Water Supply Assessment, MCWD has determined that development of the Marina Heights Specific Plan area as proposed would require an estimated 349.5 acre-feet of water per year, and
- 2) The Marina City Council has approved water demand values that are less than those used by MCWD in developing the water demand estimates presented in the Water Supply Assessment prepared for the Marina Heights Specific Plan, and
- 3) The City Council approved 292.39 acre feet of water per year for the Marina Heights project, and
- 4) The Water Supply Assessment indicates that MCWD can presently provide 349.5 acre-feet of water per year to support development of the Marina Heights Specific Plan area as proposed, and
- 5) The Water Supply Assessment also indicates that, based on currently anticipated water demands and currently available water supplies, if MCWD were to provide 349.5 acre-feet of water per year to support development within the Marina Heights Specific Plan Area as proposed, then MCWD will not be able to provide water service to all of the currently anticipated development in the portion of the City of Marina on the former Fort Ord, and.
- 6) The maximum amount of water which the MCWD may presently serve to City of Marina uses on the former Fort Ord in compliance with its water resource agreements with the County and others relative to Fort Ord lands is 1,175 acre-feet per year, and
- 7) Through conditions of approval, the City of Marina can control the amount of water reserved to support future development within the portion of the former Fort Ord under its jurisdiction, so that the maximum amount of water which the MCWD may presently serve to City of Marina uses on the former Fort Ord (1,175 acre-feet per year) is not exceeded

Section 2. Pursuant to Section 15163 of the CEQA Guidelines, the City finds that the information contained in the WSA and set forth in the Supplement make necessary some changes or additions to the EIR, but that none of the conditions described in Section 15162 of the CEQA

Guidelines calling for the preparation of a subsequent EIR have occurred. Consequently, the Supplement is an appropriate method for documenting these changes.

Section 3. The WSA does not involve substantial changes in the Project which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant environmental effects.

Section 4. The WSA does not involve substantial changes with respect to the circumstances under which the Project is undertaken which will require major revisions to the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant environmental effects.

Section 5. The WSA does not provide new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the EIR was certified as complete.

Section 6. The Project will not have one or more significant environmental effects not discussed in the previous EIR.

Section 7. Significant environmental effects previously examined will not be substantially more severe than shown in the previous EIR.

Section 8. The WSA does not show that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant environmental effects of the Project.

Section 9. The WSA does not show that mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment.

BE IT FURTHER RESOLVED, that the Marina City Council hereby approves the Supplement to the EIR in "EXHIBIT A - SUPPLEMENT TO THE EIR MARINA HEIGHTS SPECIFIC PLAN/ABRAMS "B" HOUSING PROJECT".
PASSED, APPROVED, AND ADOPTED by the Marina City Council at their adjourned meeting on March 3, 2004, by the following vote:

AYES: COUNCIL MEMBERS: Gray, Morrison, McCall, Mayor Mettee-McCutcheon
NOES: COUNCIL MEMBERS: Delgado
ABSENT: COUNCIL MEMBERS: None


Ila Mettee-McCutcheon, Mayor

ATTEST:

Joy P. Sunfay, City Clerk

**Marina Coast Water District Assigned Water Use Factors for
Determining Water Capacity Charges**

The district, through the general manager, assigns water use factors from this Appendix C for new and modified uses. Each new or modified service connection that involves two or more uses shall be subject to a use calculation for each proposed use. Where a proposed use may be designated as more than one type of use, the type of use which most accurately depicts the proposed use shall be selected. Where doubt exists, the higher intensity use type shall be chosen. Water use rates are assigned for various uses per unit – square footage, number of rooms, seats, etc. The assigned water use rates determined considering estimated water use availability for various uses. The type of use and assigned water use rates are listed below.

Type of Use	Basis	Assigned Water Use Rates By Acre-Ft	Total Water Use Per Annum (Acre-Ft)
<u>Residential</u>			
Multi Family - Apartment	DU	x 0.21	=
Apartment (senior complex)	DU	x 0.12	=
Group Housing (boarding, dormitory, convalescent)	Occupant	x 0.062	=
Condominium/Townhouse	36 DU	x 0.24	= 8.64
Mobile Home	DU	x 0.21	=
Multi-Family - Duplex to Fourplex	DU	x 0.24	=
Single Family 0<lot<0.08 acres (13 or more units per acre)	DU	x 0.25	=
Single Family 0.08<=lot<0.22 acres (5-12 Units/Acre)	268 DU	x 0.28	= 75.04
Single Family 0.22<=lot<0.67 acres (2-4 Units/acre)	DU	x 0.52	=
Single Family (lot>= 0.67 acres)	acres	x 0.89	=
Accessory Dwelling Unit < 640 sq. ft.	DU	x 0.17	=
Accessory Dwelling Unit 641 to 800 sq. ft.	DU	x 0.21	=
Accessory Dwelling Unit 841-1200 sq. ft.	DU	x 0.25	=
<u>Non-Residential</u>			
Auto Sales/Repair Shops (Gross Floor Area)	sq. ft.	x 0.00006	=
Bank	sq. ft.	x 0.00030	=
Bakery	sq. ft.	x 0.00027	=
Bar (w/o restaurant)	sq. ft.	x 0.00023	=
Beauty shop/barber shop	stations	x 0.050	=

Appendix C of the MCWD Code
Last adopted August 2020

Type of Use	Basis	Assigned Water Use Rates By Acre-Ft	Total Water Use Per Annum (Acre-Ft)
Car Wash w/ recycle	sq. ft.	x *	=
Child Care	sq. ft.	x 0.0061	=
Dry Cleaners (onsite cleaning)	sq. ft.	x 0.00040	=
Gas Station (w/o minimart or restaurant)	pumps	x 0.1051	=
Gym, Health Club (w/o aquatics)	sq. ft.	x 0.00012	=
Hotel/Motel/Bed & Breakfast (Guest room portion only)	units	x 0.110	=
Laundromat (self-serve)	washers	x 0.202	=
Laundry - Commercial	sq. ft.	x *	=
Office - General (nonmedical, includes chiropractor)	sq. ft.	x 0.0001	=
Office - Government, Education	sq. ft.	x 0.000092	=
Office - Medical, Dental	sq. ft.	x 0.00016	=
Manufacturing (other than food, beverage, chemical)	sq. ft.	x 0.056	=
Manufacturing (food, beverage, chemical)	sq. ft.	x *	=
Meeting Halls, Churches, School Room	sq. ft.	x 0.000092	=
Nursing Home (care portion only)	bed	x 0.12	=
Laboratory	sq. ft.	x 0.000082	=
Laboratory - Photographic	sq. ft.	x 0.003	=
Landscape (non-turf)	acres	x 2.1	=
Landscape (turf)	acres	x 2.5	=
Plant Nursery	sq. ft.	x 0.00009	=
Public Restroom	toilets	x 0.058	=
Restaurant (full service - 3 meals, dish washing)	sq. ft.	x 0.00125	=
Restaurant (Fast food/casual with onsite prep)	sq. ft.	x 0.00051	=
Restaurant (take out w/ minimal onsite prep)	sq. ft.	x 0.00027	=
Store - General Retail (Department Store)	sq. ft.	x 0.00005	=
Store - Grocery and Markets	sq. ft.	x 0.00033	=
Swimming Pool (per 100 sq. ft. pool area)		x 0.02	=
Theater	seats	x 0.0012	=
Veterinary	sq. ft.	x 0.00022	=
Warehouse, Distribution, Self-Storage	sq. ft.	x 0.00001	=

The assigned water use rate is then multiplied by the appropriate square footage, room, or seat number for each use and the capacity charge per acre-foot of water.

Example: To compute capacity charges in October 2020 for a 1,000-sq. Ft. office (assume only a single use) in Central Marina, multiply 1,000 by 0.0001 (from the table) and then by \$6,332. The resultant capacity charge for this office in Central Marina would be \$633.20.

* See manufacturer's recommendation

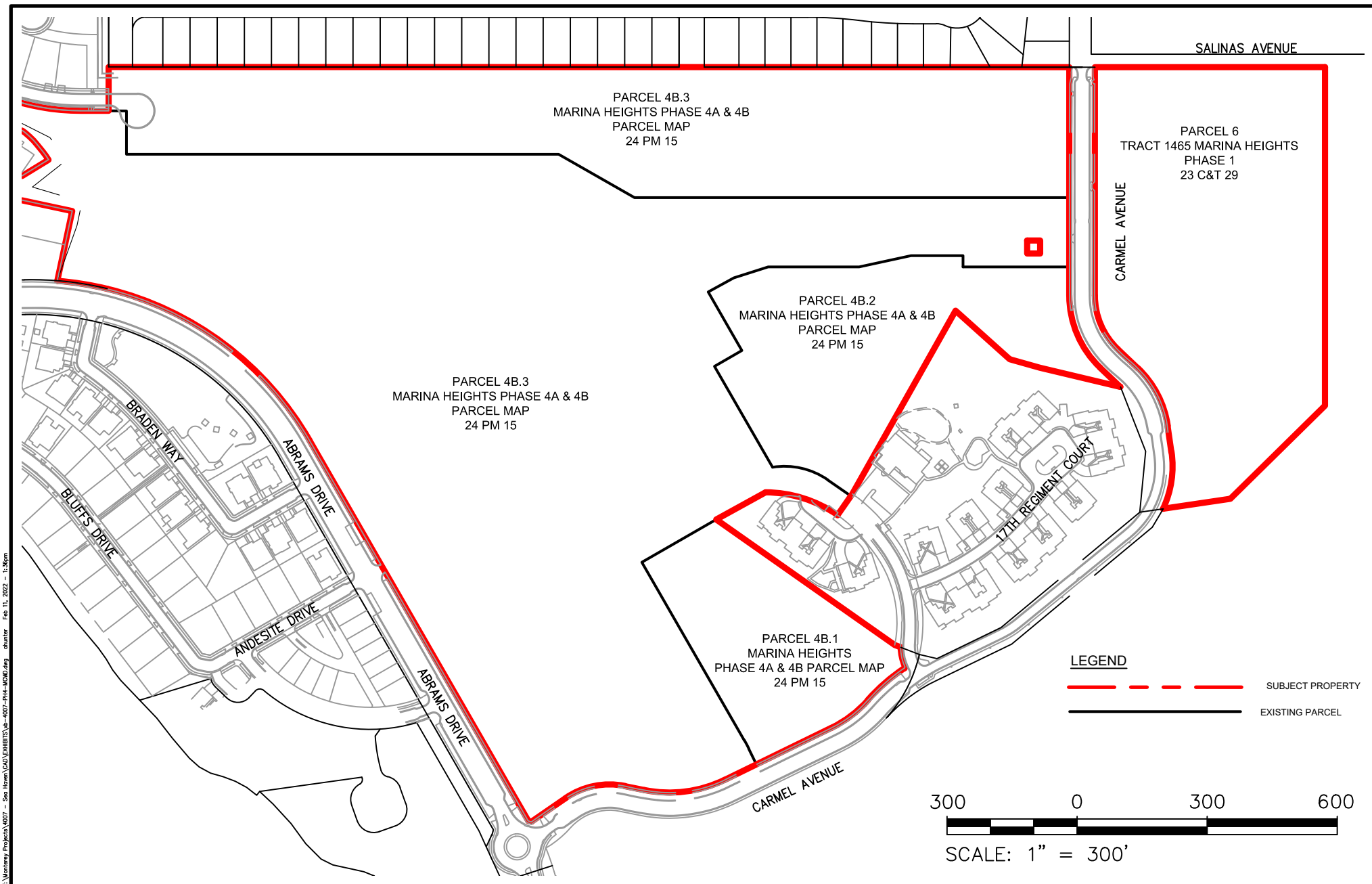
EXHIBIT B
LEGAL DESCRIPTION

**EXHIBIT B
LEGAL DESCRIPTION
SEA HAVEN PHASE 4**

Certain real property situate in the former Fort Ord Military Reservation, in the City of Marina, County of Monterey, State of California, described as follows:

All of Parcels 4A, 4B.1, 4B.2, and 4B.3 as shown and designated on that certain Parcel Map entitled "Marina Heights, Phase 4A & 4B" and filed February 3, 2022 in Volume 24 of Parcel Maps at Page 15 in the Office of the County Recorder of said County,

Together with all of Parcel 6 as said parcel is shown on the map of "Tract No. 1465 – Marina Heights Phase 1", filed June 13, 2006 in Volume 23 of Cities and Towns at Page 29 in the Office of the County Recorder of said County.

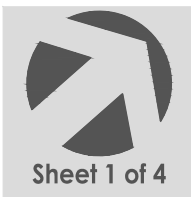


T:\Monteary Projects\4007 - Sea Haven\CAD\EXHIBITS\A-4007-SEA-HAVEN-4007.dwg aunter Feb 11, 2022 - 1:36pm

PROPERTY MAP
SEA HAVEN - PHASE 4A & 4B
 MARINA, CALIFORNIA



Civil Engineering
 Land Surveying
 6 Harris Court
 Monterey, California
 831.649.5225
 whitsonengineers.com



N: 2,138,950 E: 5,746,200

OWNERS' STATEMENT

WE HEREBY STATE THAT WE ARE THE OWNERS OF, OR HAVE SOME RIGHT, TITLE OR INTEREST IN AND TO, THE REAL PROPERTY INCLUDED WITHIN THE SUBDIVISION SHOWN UPON THIS MAP, AND THAT WE ARE THE ONLY PERSONS WHOSE CONSENT IS NECESSARY TO PASS A CLEAR TITLE TO SAID PROPERTY, AND WE CONSENT TO THE PREPARATION AND RECORDATION OF SAID MAP AND SUBDIVISION AS SHOWN WITHIN THE SUBDIVISION BOUNDARY LINE.

THE AREAS DESIGNATED AS PARCELS 4A, 4B.1, 4B.2, AND 4B.3, ARE TO BE RETAINED BY THE OWNER FOR FUTURE DEVELOPMENT.

WATHEN CASTANOS PETERSON HOMES, INC., A DELAWARE CORPORATION

BY: [Signature]
JOSHUA E. PETERSON, PRESIDENT

104 INVESTMENTS, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY

BY: [Signature]
FARID ASSEMI, MANAGER

LOGAN'S INVESTMENTS, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY

BY: [Signature]
FARID ASSEMI, MANAGER

WATHEN CASTANOS PETERSON COASTAL LP, A CALIFORNIA LIMITED PARTNERSHIP

BY: [Signature] ASSEMI GROUP, INC. A CALIFORNIA CORPORATION, ITS GENERAL PARTNER

BY: [Signature]
FARID ASSEMI, PRESIDENT

BY: [Signature]
JOHN A. BEZMALINOVIC, SECRETARY

BENEFICIARY STATEMENT

BANK OZK, AS BENEFICIARY UNDER A DEED OF TRUST RECORDED AS DOCUMENT #2021019806, OFFICIAL RECORDS OF MONTEREY COUNTY, CALIFORNIA, DOES HEREBY CONSENT TO THE PREPARATION AND RECORDATION OF THIS MAP AND SUBDIVISION AS SHOWN HEREON AS BENEFICIARY.

BANK OZK

BY: [Signature]
NAME: MAZT BUCHANAN
TITLE: EXECUTIVE VICE PRESIDENT

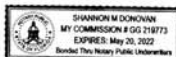
NOTARY ACKNOWLEDGEMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT TO THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF FLORIDA
COUNTY OF PALM BEACH

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME, BY MEANS OF (X) PHYSICAL PRESENCE OR () ONLINE NOTARIZATION, THIS 4 DAY OF December, 2021, BY Diego Pines IN HIS/HER CAPACITY AS AN AUTHORIZED REPRESENTATIVE OF CYPRESS MARINA HEIGHTS LLC, A CALIFORNIA LIMITED LIABILITY COMPANY, WHO IS (X) PERSONALLY KNOWN TO ME OR WHO HAS PRODUCED _____ (TYPE OF IDENTIFICATION) AS IDENTIFICATION.

BY: [Signature]
NOTARY PUBLIC
MY COMMISSION EXPIRES 5/20/2022



NOTARY ACKNOWLEDGEMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT TO THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF California
COUNTY OF Fresno
ON 11-18-2021

BEFORE ME, Brooke Hobbs, NOTARY PUBLIC

PERSONALLY APPEARED Joshua E. Peterson, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.

WITNESS MY HAND, AND OFFICIAL SEAL
(NOTE: NOTARY SEAL NOT REQUIRED IF THE BELOW INFORMATION IS COMPLETED)

SIGNATURE: [Signature]
NOTARY PUBLIC'S NAME: Brooke Hobbs
COUNTY OF BUSINESS: Fresno
COMMISSION EXPIRATION DATE: 05-09-24
COMMISSION NUMBER: 2322487

NOTARY ACKNOWLEDGEMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT TO THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF Arkansas
COUNTY OF Pulaski
ON 11-17-2021

BEFORE ME, Sammie Lewis, NOTARY PUBLIC

PERSONALLY APPEARED Matt Buchanan, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.

WITNESS MY HAND, AND OFFICIAL SEAL
(NOTE: NOTARY SEAL NOT REQUIRED IF THE BELOW INFORMATION IS COMPLETED)

SIGNATURE: [Signature]
NOTARY PUBLIC'S NAME: Sammie Lewis
COUNTY OF BUSINESS: Pulaski County
COMMISSION EXPIRATION DATE: 5-20-29
COMMISSION NUMBER: 12707083



BENEFICIARY STATEMENT

CYPRESS MARINA HEIGHTS LLC, A CALIFORNIA LIMITED LIABILITY COMPANY, AS BENEFICIARY UNDER A DEED OF TRUST RECORDED AS DOCUMENT #2018015916, OFFICIAL RECORDS OF MONTEREY COUNTY, CALIFORNIA, DOES HEREBY CONSENT TO THE PREPARATION AND RECORDATION OF THIS MAP AND SUBDIVISION AS SHOWN HEREON AS BENEFICIARY.

CYPRESS MARINA HEIGHTS, LLC,
A CALIFORNIA LIMITED LIABILITY COMPANY

BY: [Signature]
NAME: Diego Pines
TITLE: AUTHORIZED REPRESENTATIVE

NOTARY ACKNOWLEDGEMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT TO THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF California
COUNTY OF Fresno
ON November 19, 2021

BEFORE ME, Katrina Ingrao, NOTARY PUBLIC

PERSONALLY APPEARED John A. Bezmalinovic, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.

WITNESS MY HAND, AND OFFICIAL SEAL
(NOTE: NOTARY SEAL NOT REQUIRED IF THE BELOW INFORMATION IS COMPLETED)

SIGNATURE: [Signature]
NOTARY PUBLIC'S NAME: Katrina Ingrao
COUNTY OF BUSINESS: Fresno
COMMISSION EXPIRATION DATE: January 12, 2025
COMMISSION NUMBER: 2341249

NOTARY ACKNOWLEDGEMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT TO THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA
COUNTY OF FRESNO
ON November 23, 2021

BEFORE ME, Liana Leyva, NOTARY PUBLIC

PERSONALLY APPEARED FARID ASSEMI, WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.

WITNESS MY HAND, AND OFFICIAL SEAL
(NOTE: NOTARY SEAL NOT REQUIRED IF THE BELOW INFORMATION IS COMPLETED)

SIGNATURE: [Signature]
NOTARY PUBLIC'S NAME: Liana Leyva
COUNTY OF BUSINESS: Fresno
COMMISSION EXPIRATION DATE: August 17, 2022
COMMISSION NUMBER: 2250637

**PARCEL MAP
MARINA HEIGHTS
PHASE 4A & 4B**

A SUBDIVISION OF THE PHASE 3B REMAINDER PARCEL AS SHOWN ON "TRACT No. 1549, MARINA HEIGHTS PHASE 3B", FILED IN VOLUME 24 CITIES & TOWNS, PAGE 72 OFFICIAL RECORDS OF MONTEREY COUNTY, CALIFORNIA

PREPARED BY:
WHITSON ENGINEERS
8 HARRIS COURT, MONTEREY CALIFORNIA

SIGNATURE OMISSIONS

SIGNATURES OF THE FOLLOWING HOLDERS OF EASEMENT INTERESTS OVER THE SUBDIVIDED LANDS HAVE BEEN OMITTED FROM THIS MAP IN ACCORDANCE WITH SECTION 66445(e) OF THE CALIFORNIA SUBDIVISION MAP ACT:

1. PACIFIC GAS & ELECTRIC COMPANY - EASEMENT HOLDER PER REEL 3506, PAGE 133 AND DOC. #2006063194, OFFICIAL RECORDS OF MONTEREY COUNTY
2. MARINA COAST WATER DISTRICT - EASEMENT HOLDER PER DOC. # 2006063192, OFFICIAL RECORDS OF MONTEREY COUNTY
3. OWNERS OF LOTS 632, 633, 634 & 635, VOL. 23 C&T PG. 42, HOLDERS OF APPURTENANT EASEMENTS FOR SLOPE PURPOSES PER SAID MAP.

SOILS REPORT STATEMENT

A SOILS REPORT DATED JULY 7, 2021 PREPARED BY QUANTUM GEOTECHNICAL INC. HAS BEEN SPECIFICALLY PREPARED FOR THIS SUBDIVISION AND IS ON FILE WITH THE CITY OF MARINA'S PUBLIC WORKS DEPARTMENT.

NOTES

1. ALL DISTANCES SHOWN HEREON ARE EXPRESSED IN FEET AND DECIMALS THEREOF.
2. NO MONUMENTS WILL BE SET WITH THIS MAP.

CITY ENGINEER & SURVEYOR'S STATEMENT

I, BRIAN McMINN, CITY ENGINEER AND SURVEYOR OF THE CITY OF MARINA, HEREBY STATE THAT I HAVE EXAMINED THE PARCEL MAP AND AM SATISFIED THAT IT IS TECHNICALLY CORRECT; THAT THE SUBDIVISION SHOWN IS SUBSTANTIALLY THE SAME AS IT APPEARED ON THE APPROVED TENTATIVE MAP AND ANY APPROVED ALTERATIONS THEREOF AND THAT ALL PROVISIONS OF THE SUBDIVISION MAP ACT, AS AMENDED, AND THE CITY OF MARINA SUBDIVISION ORDINANCE, TITLE 16 OF THE MARINA MUNICIPAL CODE HAVE BEEN COMPLIED WITH.

BY: [Signature] DATE: 12/2/2021

NAME: BRIAN McMINN
TITLE: CITY ENGINEER AND SURVEYOR, CITY OF MARINA
LICENSE: PE 64143, PLS 8116

PLANNING DEPARTMENT'S STATEMENT

I, Matt Mogensen, Acting COMMUNITY DEVELOPMENT DEPARTMENT DIRECTOR, HEREBY CERTIFY THAT THE MAP SHOWN HEREON IS SUBSTANTIALLY THE SAME AS IT APPEARED ON THE TENTATIVE MAP AND ANY APPROVED ALTERATIONS THEREOF, AS APPROVED BY THE CITY COUNCIL OF MARINA ON SEPTEMBER 16, 2003.

BY: [Signature] DATE: 12/2/2021

NAME: Matt Mogensen TITLE: Acting Community Development Director

SURVEYOR'S STATEMENT

THIS MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND LOCAL ORDINANCE AT THE REQUEST OF WATHEN CASTANOS PETERSON HOMES, INC. IN JULY 2021. I HEREBY STATE THAT THIS PARCEL MAP SUBSTANTIALLY CONFORMS TO THE APPROVED OR CONDITIONALLY APPROVED TENTATIVE MAP, IF ANY.

BY: [Signature] DATE: 10/5/2021
RICHARD P. WEBER
L.S. NO. 8002



COUNTY RECORDER'S STATEMENT

FILED THIS 3rd DAY OF February, 2021, AT 1:44 P.M. IN VOLUME 24 OF PARCEL MAPS, AT PAGE 15 AT THE REQUEST OF OLD REPUBLIC TITLE COMPANY.

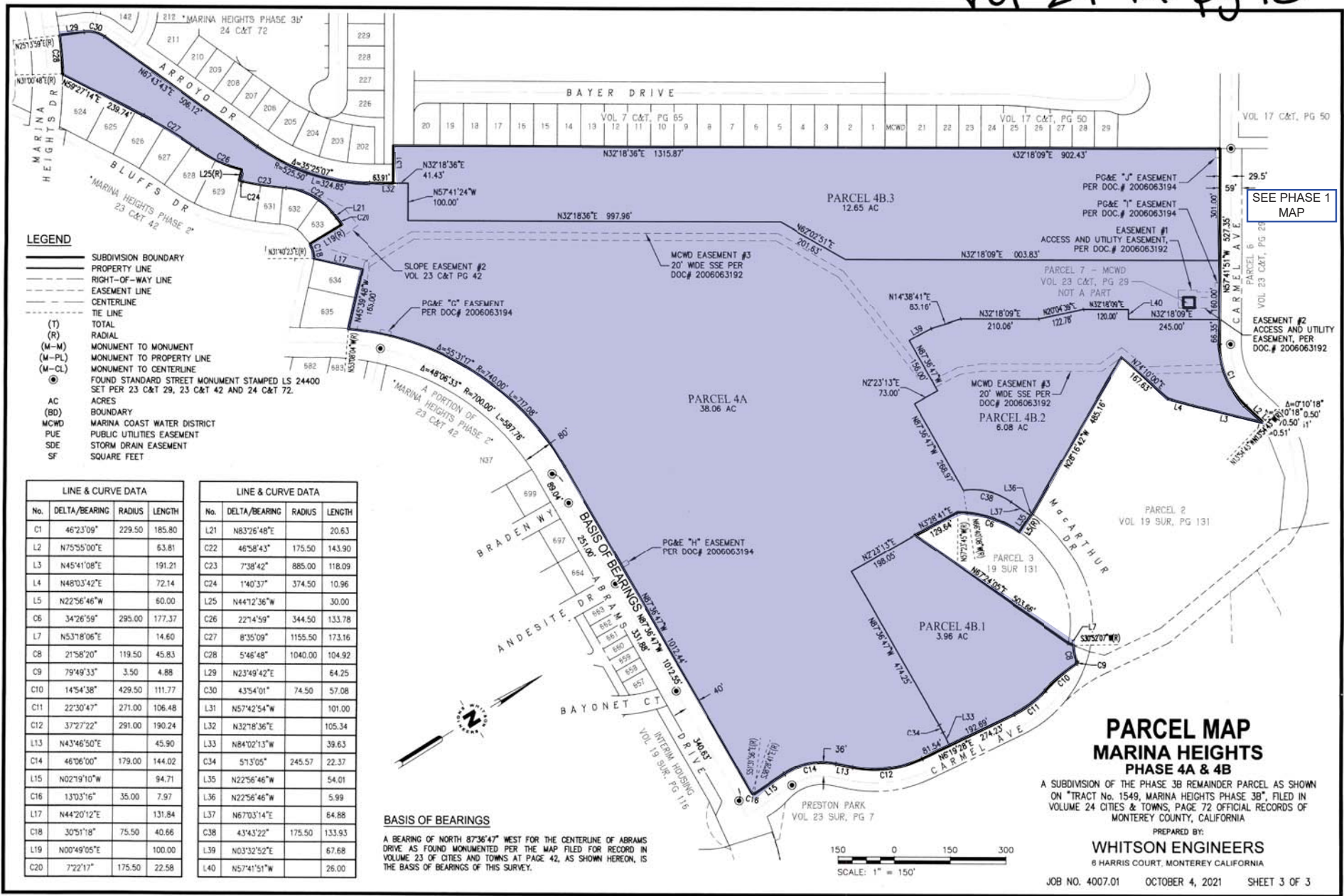
BY: [Signature]
STEPHEN L. VAGNINI
MONTEREY COUNTY CLERK-RECORDER
NAME: Angelique Villarruel DEPUTY

DOCUMENT NO.: 2022005936 FEE: \$ 2700

**PARCEL MAP
MARINA HEIGHTS
PHASE 4A & 4B**

A SUBDIVISION OF THE PHASE 3B REMAINDER PARCEL AS SHOWN ON "TRACT No. 1549, MARINA HEIGHTS PHASE 3B", FILED IN VOLUME 24 CITIES & TOWNS, PAGE 72 OFFICIAL RECORDS OF MONTEREY COUNTY, CALIFORNIA

PREPARED BY:
WHITSON ENGINEERS
6 HARRIS COURT, MONTEREY CALIFORNIA



LEGEND

- SUBDIVISION BOUNDARY
- PROPERTY LINE
- - - RIGHT-OF-WAY LINE
- - - EASEMENT LINE
- - - CENTERLINE
- - - TIE LINE
- (T) TOTAL
- (R) RADIAL
- (M-M) MONUMENT TO MONUMENT
- (M-PL) MONUMENT TO PROPERTY LINE
- (M-CL) MONUMENT TO CENTERLINE
- FOUND STANDARD STREET MONUMENT STAMPED LS 24400 SET PER 23 C&T 29, 23 C&T 42 AND 24 C&T 72.
- AC ACRES
- (BD) BOUNDARY
- MCWD MARINA COAST WATER DISTRICT
- PUE PUBLIC UTILITIES EASEMENT
- SDE STORM DRAIN EASEMENT
- SF SQUARE FEET

LINE & CURVE DATA			
No.	DELTA/BEARING	RADIUS	LENGTH
C1	46°23'09"	229.50	185.80
L2	N75°55'00"E		63.81
L3	N45°41'08"E		191.21
L4	N48°03'42"E		72.14
L5	N22°56'46"W		60.00
C6	34°26'59"	295.00	177.37
L7	N53°18'06"E		14.60
C8	21°58'20"	119.50	45.83
C9	79°49'33"	3.50	4.88
C10	14°54'38"	429.50	111.77
C11	22°30'47"	271.00	106.48
C12	37°27'22"	291.00	190.24
L13	N43°46'50"E		45.90
C14	46°06'00"	179.00	144.02
L15	N02°19'10"W		94.71
C16	13°03'16"	35.00	7.97
L17	N44°20'12"E		131.84
C18	30°51'18"	75.50	40.66
L19	N00°49'05"E		100.00
C20	72°21'17"	175.50	22.58

LINE & CURVE DATA			
No.	DELTA/BEARING	RADIUS	LENGTH
L21	N83°26'48"E		20.63
C22	46°58'43"	175.50	143.90
C23	7°38'42"	885.00	118.09
C24	1°40'37"	374.50	10.96
L25	N44°12'36"W		30.00
C26	22°14'59"	344.50	133.78
C27	8°35'09"	1155.50	173.16
C28	5°46'48"	1040.00	104.92
L29	N23°49'42"E		64.25
C30	43°54'01"	74.50	57.08
L31	N57°42'54"W		101.00
L32	N32°18'36"E		105.34
L33	N84°02'13"W		39.63
C34	57°3'05"	245.57	22.37
L35	N22°56'46"W		54.01
L36	N22°56'46"W		5.99
L37	N67°03'14"E		64.88
C38	43°43'22"	175.50	133.93
L39	N03°32'52"E		67.68
L40	N57°41'51"W		26.00

BASIS OF BEARINGS

A BEARING OF NORTH 87°36'47" WEST FOR THE CENTERLINE OF ABRAMS DRIVE AS FOUND MONUMENTED PER THE MAP FILED FOR RECORD IN VOLUME 23 OF CITIES AND TOWNS AT PAGE 42, AS SHOWN HEREON, IS THE BASIS OF BEARINGS OF THIS SURVEY.

SEE PHASE 1 MAP

**PARCEL MAP
MARINA HEIGHTS
PHASE 4A & 4B**

A SUBDIVISION OF THE PHASE 3B REMAINDER PARCEL AS SHOWN ON "TRACT No. 1549, MARINA HEIGHTS PHASE 3B", FILED IN VOLUME 24 CITIES & TOWNS, PAGE 72 OFFICIAL RECORDS OF MONTEREY COUNTY, CALIFORNIA

PREPARED BY:
WHITSON ENGINEERS
8 HARRIS COURT, MONTEREY CALIFORNIA

JOB NO. 4007.01 OCTOBER 4, 2021 SHEET 3 OF 3

OWNERS' STATEMENT

We hereby certify that we are the owners of, or have some right, title or interest in and to the real property included within the subdivision shown upon this map, and we are the only persons whose consent is necessary to pass a clear title to said property, and we consent to preparation and recordation of said map and subdivision as shown within the subdivision boundary line.

We also hereby dedicate for public use Parcels A, B, C, D, and E, within the subdivision for road purposes, and such offer is irrevocable; subject to the reservation of the right to maintain landscaping, irrigation and storm drain within parcels, A, B, C, D, and E.

We also hereby dedicate a Public Trail Easement for pedestrian and bicycle access purposes within the subdivision, shown hereon as "Public Trail Easement (P.T.E.)."

AS OWNER: CYPRESS MARINA HEIGHTS, L.P., a California limited partnership

By: Chadmar/Watt Marina partners LLC, a California limited liability company, its General partner

By: Chadmar/Marina Partners LLC, a California limited liability company

By: Chadmar, Inc., a California corporation, as Manager

By: Charles R. Lande, President

AS TRUSTEE: Stewart Title of California, Inc., As Trustee Under Deed Of Trust Recorded May 15th, 2006 Official Records of Monterey County Under Recorder's Series No. 2006043308.

By: Bryan Taylor, Vice President

TRUSTEE'S ACKNOWLEDGMENT

State of California County of Monterey On May 31, 2006, before me, Kimberly Verania, a notary public in and for said county and state, personally appeared Bryan Taylor personally known to me (or provided to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledge to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

Witness my hand Notary's Signature Printed Notary's Name Kimberly Verania Notary's Principal Place of Business (County) Monterey Commission No. 1582322 Commission Expires June 24, 2009

SURVEYOR'S STATEMENT

I, Lynn A. Kovach, Registered Land Surveyor, hereby state that this map correctly represents a survey made by me or under my direction during August 2005; that the survey is true and complete as shown; that all the monuments are of the character and occupy the positions indicated, or they will be set in such positions on or before one year after the recordation of this map by the Monterey County Recorder; and that the monuments are, or will be sufficient to enable the survey to be retraced.

Lynn A. Kovach No. 5321 Exp. 12-31-07 Expires 12/31/07

COUNTY RECORDER'S STATEMENT

Filed this 13th day of June, 2006 at 1:00pm, in Volume 23 of Cities and Towns Maps, at Page 29, at the request of WWD Corporation.

County Recorder Stephen L. Vagnini Deputy Deputy Serial No. 2006052459 Fee \$21.00

OWNER'S ACKNOWLEDGMENT

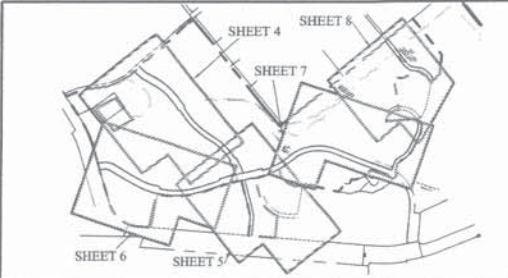
State of California County of Monterey On May 15, 2006, before me, Kimberly Verania, a notary public in and for said county and state, personally appeared Charles R. Lande personally known to me (or provided to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledge to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

Witness my hand Notary's Signature Printed Notary's Name Kimberly Verania Notary's Principal Place of Business (County) Monterey Commission No. 1582322 Commission Expires June 24, 2009

PLANNING COMMISSION STATEMENT

I, Douglas A. Yount, Development Services Director, City of Marina, hereby state that I have examined this map, that the subdivision shown hereon is substantially the same as it appeared on the tentative map and any approved alterations thereof as approved by the City Council of the City of Marina on September 16, 2003; that all of the provisions of the "California Subdivision Map Act", as amended, and the City of Marina Subdivision Ordinance, Title 16 of the Marina Municipal Code, have been complied with.

Douglas A. Yount Development Services Director, City of Marina County of Monterey State of California



TRACT NO. 1465 MARINA HEIGHTS, PHASE I CONSISTING OF EIGHT SHEETS

Showing the Subdivision of a Portion of "Marina I" as shown on that Map Filed in Volume 23 of Surveys at Page 91 and a Portion of "Preston Park, Marina I-A" as shown on that Map Filed in Volume 23 of Surveys at Page 79, City of Marina, Monterey County, California

CITY CLERK'S STATEMENT

I, Joy P. Junsay, Clerk of Council of the City of Marina, hereby state that the City Council of said city approved this map on the 21st day of March, 2006 by Resolution No. 2006-56 and accepts on behalf of the public all easements and roadways (Parcels A, B, C, D, and E) offered for dedication for public use in conformity with the terms of the offer of dedication.

By: Joy P. Junsay City Clerk of the City of Marina

CITY ENGINEER'S STATEMENT

I, Michael K. Cooper, Acting City Engineer of the City of Marina, hereby state that I have examined this map, that the subdivision shown hereon is substantially the same as it appeared on the Tentative Map, and any approved alterations thereof, as approved by the City Council of the City of Marina on the 18th day of September, 2003, that all of the provisions of the "California Subdivision Map Act", as amended, and the City of Marina Subdivision Ordinance, Title 16 of the Marina Municipal Code have been complied with, and that I am satisfied that said map is technically correct.

Michael K. Cooper 6/9/06 Michael K. Cooper RCE 29072 Expires 03-31-07 Acting City Engineer, City of Marina



PREPARED BY: WWD CORPORATION 2801 MONTEREY-SALINAS HIGHWAY MONTEREY, CALIFORNIA 93940 (831) 655-2723 FAX: (831) 655-3425 PREPARED FOR: CYPRESS MARINA HEIGHTS, LP 2716 OCEAN PARK BOULEVARD SUITE 3025 SANTA MONICA, CA 90405 (310) 314-2590

LINE TABLE		
LINE	BEARING	LENGTH
L1	N 52°13'43" W	141.29
L2	N 79°03'25" W	159.33
L3	S 45°41'08" W	191.24
L4	S 48°03'42" W	72.14
L5	S 74°10'00" W	167.63
L6	S 22°56'46" E	60.00
L7	S 03°28'41" W	129.64
L8	N 53°18'06" E	60.73
L9	S 43°46'50" W	45.90
L10	S 14°15'25" W	121.64
L11	N 82°11'12" W	129.05
L12	S 13°50'40" E	21.35
L13	S 76°09'20" W	37.45
L14	S 19°47'26" W	10.07
L15	S 15°25'35" W	161.40
L16	S 78°37'08" W	63.35
L17	S 84°26'20" W	30.00
L18	N 88°30'54" W	30.00
L19	S 86°37'24" W	30.00
L20	S 82°27'02" W	90.00
L21	S 86°12'25" W	30.00
L22	S 87°53'22" W	120.00
L23	S 86°47'47" W	30.00
L24	S 82°26'41" W	30.00
L25	S 77°55'58" W	60.00
L26	S 75°04'03" W	30.00
L27	S 70°22'42" W	30.00
L28	S 64°49'52" W	32.39
L29	S 59°07'17" W	43.12
L30	S 62°05'44" W	39.27
L31	S 69°16'44" W	61.93
L32	N 63°00'49" W	23.83
L33	N 79°14'15" W	22.51
L34	S 89°57'14" W	46.90
L35	N 72°29'22" W	50.25
L36	N 57°44'09" W	36.83
L37	N 48°26'26" W	38.66
L38	N 59°29'10" W	58.20
L39	N 53°37'47" W	29.88
L40	N 31°04'57" W	34.50
L41	N 35°48'04" W	50.31
L42	S 76°00'00" W	171.29
L43	N 42°50'14" E	36.96
L44	N 62°43'30" E	274.51
L45	N 32°17'06" E	177.99
L46	N 87°36'47" W	288.46
L47	S 23°56'04" W	211.69
L48	S 23°56'04" W	54.48
L49	N 52°41'59" E	10.05

LINE TABLE		
LINE	BEARING	LENGTH
L50	N 39°14'44" E	17.50
L51	N 77°30'36" W	17.38
L52	N 53°00'01" W	66.01
L53	N 77°13'16" W	123.06
L54	N 61°32'34" W	47.90
L55	N 28°27'05" E	36.00
L56	S 61°32'34" E	47.90
L57	S 77°13'16" E	123.06
L58	S 47°21'17" E	11.11
L59	S 67°02'11" E	33.17
L60	S 53°00'01" E	10.00
L61	S 26°26'29" E	11.18
L62	S 56°33'00" E	61.58
L63	S 69°43'57" E	40.78
L64	S 77°30'36" E	17.38
L65	S 59°20'10" E	40.44
L66	N 88°07'00" E	12.90
L67	S 33°06'28" E	33.88
L68	S 33°40'31" E	518.22
L69	S 14°00'00" E	258.57
L70	N 76°00'00" E	29.99
L71	N 14°00'00" W	258.59
L72	N 33°40'31" W	516.68
L73	S 59°14'53" W	30.04
L74	S 54°57'30" W	96.97
L75	S 53°00'18" W	6.47
L76	S 13°00'18" W	12.45
L77	S 53°00'18" W	258.60
L78	N 59°51'17" W	12.93
L79	N 80°56'03" W	25.58
L80	N 78°22'37" W	465.37
L81	S 52°22'15" W	44.35
L82	S 34°59'00" W	30.02
L83	N 52°22'15" E	45.73
L84	S 78°22'37" E	465.37
L85	N 53°00'18" E	337.44
L86	S 37°34'51" E	10.68
L87	N 52°24'46" E	5.67
L88	N 33°40'31" W	30.03
L89	S 61°32'34" E	47.90
L90	S 06°19'28" W	274.23
L91	S 43°46'50" W	45.90
L92	S 02°19'10" E	94.71
L93	N 87°36'47" W	1012.44
L94	N 36°50'04" W	35.00
L95	S 59°27'14" W	189.47
L96	S 34°46'23" E	30.08
L97	N 59°27'14" E	232.58
L98	N 70°31'28" E	102.48
L99	N 13°43'14" E	12.84
L100	S 87°36'47" E	931.68
L101	S 48°57'12" E	12.81
L102	S 87°36'47" E	35.26
L103	N 02°19'10" W	12.82
L104	N 37°18'41" W	12.21
L105	N 02°19'10" W	45.04
L106	N 43°46'50" E	45.90
L107	N 06°19'28" E	274.23
L108	N 08°46'13" W	26.15
L109	N 26°18'07" E	12.52
L110	S 66°03'29" E	10.55
L111	N 59°28'47" E	8.60
L112	S 66°03'29" E	19.04
L113	N 57°41'51" W	527.35
L114	S 83°27'42" E	26.74
L115	S 23°56'04" W	13.92
L116	N 34°04'18" W	57.57
L117	N 34°04'18" W	57.57
L118	N 59°20'46" E	57.71
L119	N 59°20'46" E	57.74
L120	N 52°13'43" W	40.90
L121	N 32°58'37" W	29.89
L122	N 08°46'13" W	23.84
L123	OMITTED	
L124	OMITTED	
L125	N 52°24'46" E	313.04
L126	N 53°18'06" E	14.60

LINE TABLE		
LINE	BEARING	LENGTH
L127	S 59°20'46" W	30.13
L128	N 32°18'08" E	13.26
L129	N 32°18'09" E	29.92
L130	N 32°18'09" E	29.08
L131	S 57°41'51" E	527.35
L132	S 78°46'14" E	11.86
L133	S 57°41'51" E	9.99
L134	S 77°13'16" E	123.06
L135	S 22°42'20" E	12.21
L136	S 57°41'51" E	492.86
L137	N 75°55'00" E	63.81
L138	S 26°26'29" W	57.50
L139	N 57°41'51" W	96.35
L140	N 75°55'00" E	63.81
L141	S 34°59'00" E	253.23
L142	-L146 OMITTED	
L147	N 14°00'00" W	258.59
L148	N 33°40'31" W	519.61
L149	N 34°04'18" W	115.14
L150	S 52°24'46" W	5.67
L151	S 37°35'14" E	24.32
L152	N 23°56'04" E	157.21
L153	S 14°15'25" W	12.16
L154	S 76°00'00" W	379.92
L155	S 32°18'09" W	531.43
L156	-L170 OMITTED	
L171	N 28°27'26" E	862.27
L172	-L174 OMITTED	
L175	N 32°18'09" E	902.43
L177	S 53°00'18" W	336.61
L178	N 75°55'00" E	63.81
L179	N 78°22'37" W	465.37
L180	S 52°22'15" W	40.42
L181	S 34°59'00" E	115.11
L182	N 59°14'53" E	57.57
L183	-L185 OMITTED	
L186	S 50°14'33" E	51.06
L187	S 53°00'18" E	96.52
L188	S 77°30'36" E	17.38
L189	S 53°18'06" W	46.13
L190	S 39°14'44" W	17.50
L191	N 77°30'36" W	17.38
L192	N 53°00'01" W	69.36
L193	N 77°13'16" W	123.06
L194	N 61°32'34" W	47.90
L195	S 28°27'26" W	115.00
L196	S 33°22'56" E	20.58
L197	S 66°03'29" E	60.88
L198	S 23°56'04" W	54.48
L199	-L201 OMITTED	
L202	S 14°15'25" W	29.33
L203	S 28°27'26" W	25.00
L204	-L205 OMITTED	
L206	S 59°20'46" W	115.45
L207	OMITTED	
L208	N 82°11'12" W	40.15
L209	N 59°27'14" E	174.26
L210	S 33°41'39" E	14.55
L211	S 87°36'47" E	989.15
L212	N 14°15'25" E	121.64
L213	S 82°11'12" E	88.90
L214	N 43°46'50" E	45.90
L215	N 06°19'28" E	274.23

NOTES

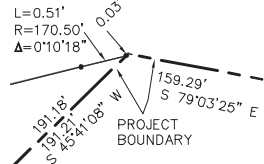
DISTANCES ARE EXPRESSED IN FEET AND DECIMALS THEREOF.
POINTS FOUND OR SET ARE SO NOTED, ALL OTHERS ARE
FOR REFERENCE ONLY

CURVE TABLE			
CURVE	DELTA	LENGTH	RADIUS
C1	34°26'59"	177.37	295.00
C2	51°02'00"	293.93	330.00
C3	37°27'22"	228.81	350.00
C4	59°56'39"	125.55	120.00
C5	18°01'05"	73.90	235.00
C6	3°57'55"	43.25	625.00
C7	12°57'10"	85.91	380.00
C8	43°46'40"	290.35	380.00
C9	86°21'27"	21.10	14.00
C10	90°00'00"	56.55	36.00
C11	33°38'06"	21.13	36.00
C12	17°51'30"	420.78	1350.00
C13	52°49'39"	444.41	482.00
C14	19°40'31"	151.95	442.50
C15	7°47'29"	327.72	2410.00
C16	31°57'06"	780.73	1400.00
C17	0°26'59"	10.99	1400.00
C18	69°01'00"	662.51	550.00
C19	15°20'17"	513.97	1920.00
C20	19°53'16"	329.40	949.00
C21	34°16'11"	508.99	850.99
C22	3°49'40"	125.20	1874.00
C23	22°30'47"	120.63	307.00
C24	7°25'06"	50.95	393.50
C25	2°48'36"	19.62	400.00
C26-C49	OMITTED		

CURVE TABLE			
CURVE	DELTA	LENGTH	RADIUS
C50	14°43'26"	242.20	942.50
C51	26°45'20"	448.29	960.00
C52	24°30'35"	658.77	1540.00
C53	16°01'12"	15.38	55.00
C54	69°21'45"	78.69	65.00
C55	23°35'42"	594.04	1442.50
C56	15°40'42"	152.55	557.50
C57	15°40'42"	142.98	522.50
C58	21°40'58"	559.14	1477.50
C59	38°55'32"	33.97	50.00
C60	88°43'09"	85.16	55.00
C61	30°06'43"	34.16	65.00
C62	6°11'36"	164.30	1520.00
C63	1°54'35"	50.79	1524.00
C64	12°38'30"	335.37	1520.00
C65	9°53'51"	169.29	980.00
C66	11°23'46"	193.93	975.00
C67	1°09'57"	20.00	983.00
C68	14°21'14"	243.63	972.50
C69	38°01'31"	120.79	182.00
C70	19°40'31"	161.40	470.00
C71	19°40'31"	171.70	500.00
C72	5°25'47"	231.23	2440.00
C73	1°35'02"	5.57	201.50
C74	1°57'12"	6.77	198.50
C75	28°42'21"	668.85	1335.00
C76	1°56'16"	44.88	1327.00
C77	38°13'39"	23.35	35.00
C78	81°42'02"	78.43	55.00
C79	28°29'36"	24.87	50.00
C80	11°27'39"	264.04	1320.00
C81	49°15'08"	148.28	172.50
C82	49°15'08"	122.49	142.50
C83	13°45'10"	324.04	1350.00
C84	56°55'14"	64.57	65.00
C85	32°14'09"	759.54	1350.00
C86	6°25'20"	270.13	2410.00
C87	1°25'57"	10.28	411.00
C88	81°09'41"	21.25	15.00
C89	4°37'42"	9.21	114.00
C90	1°08'11"	8.52	429.50
C91	14°54'39"	111.77	429.50
C92	22°30'47"	106.48	271.00
C93	37°27'22"	190.24	291.00
C94	46°06'00"	144.02	179.00
C95	13°03'15"	7.97	35.00
C96	61°25'59"	793.43	740.00
C97	22°12'42"	488.46	1260.00
C98	61°17'18"	134.45	1225.00
C99	OMITTED		
C100	21°04'17"	468.90	1275.00
C101	61°25'59"	777.35	725.00
C102	38°31'18"	43.70	65.00
C103	4°28'38"	4.30	55.00
C104	60°39'43"	47.64	45.00
C105	46°06'00"	129.54	161.00
C106	37°27'22"	202.00	309.00
C107	22°30'47"	113.56	289.00
C108	7°25'06"	53.28	411.50
C109	46°23'09"	185.80	229.50
C110	40°20'43"	138.72	197.00
C111-C112	OMITTED		
C113	16°11'10"	64.83	229.50
C114	30°11'59"	120.97	229.50
C115	1°22'09"	57.59	2410.00
C116	10°13'56"	3.57	20.00
C117	46°23'09"	176.49	218.00
C118	46°23'09"	138.03	170.50
C119	38°01'31"	152.31	229.50
C120	33°34'55"	134.51	229.50
C121-C125	OMITTED		
C126	15°40'42"	159.40	582.50
C127-C129	OMITTED		
C130	19°40		

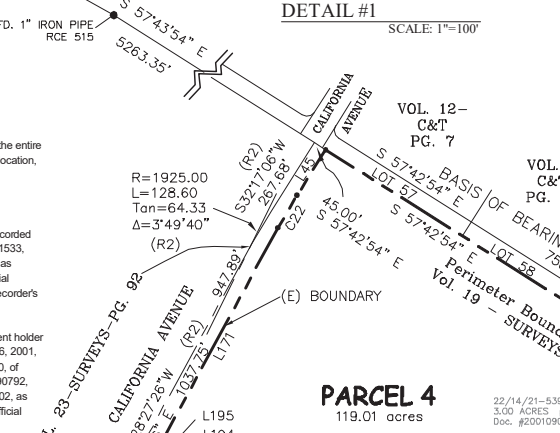
DETAIL #2

SCALE: 1"=1'



DETAIL #1

SCALE: 1"=100'

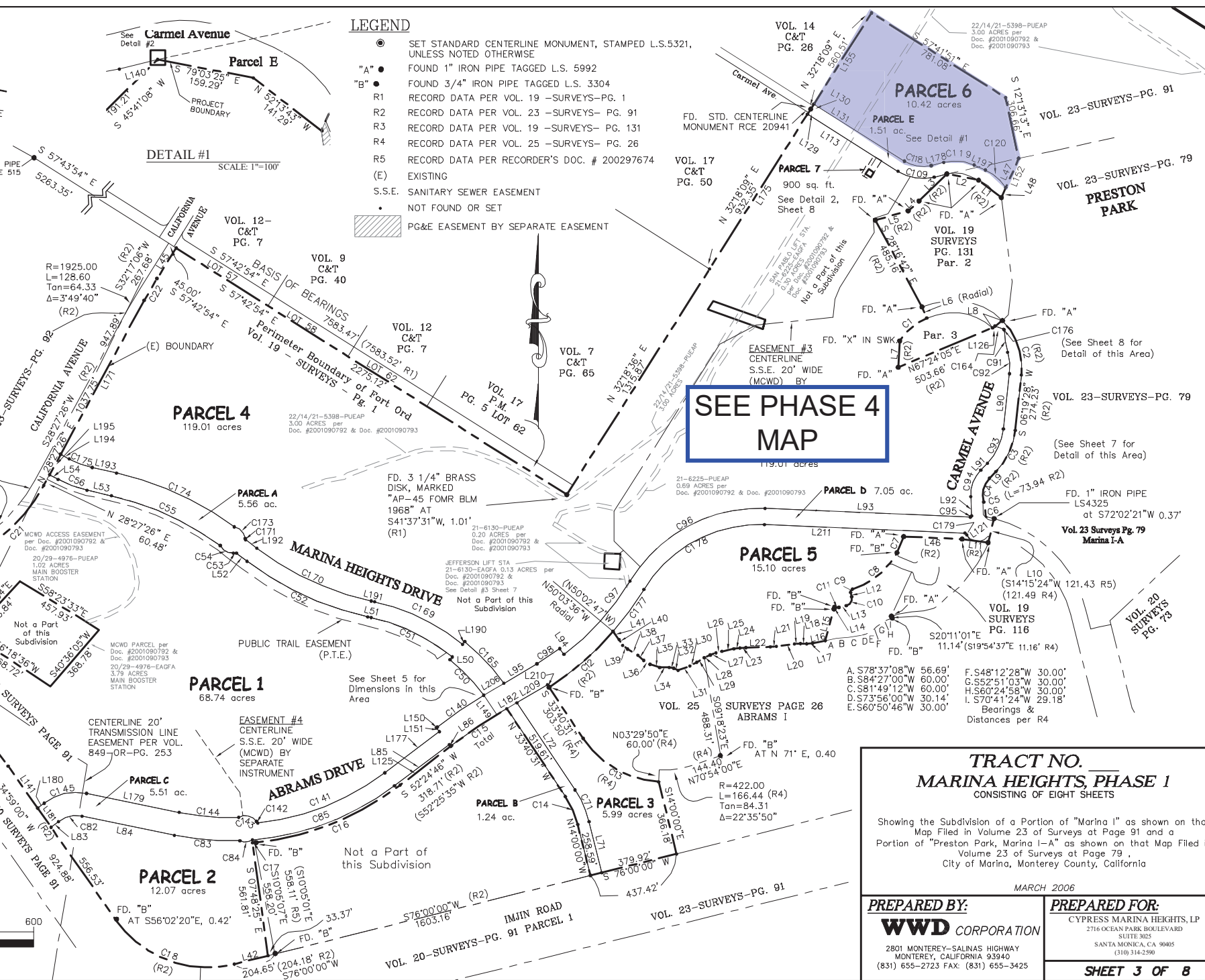
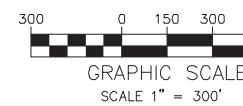
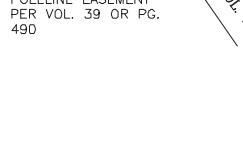
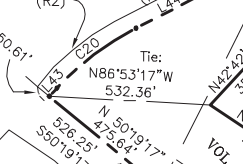
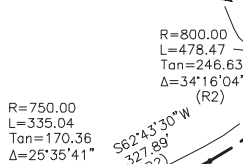


LEGEND

- SET STANDARD CENTERLINE MONUMENT, STAMPED L.S.5321, UNLESS NOTED OTHERWISE
- "A" ● FOUND 1" IRON PIPE TAGGED L.S. 5992
- "B" ● FOUND 3/4" IRON PIPE TAGGED L.S. 3304
- R1 RECORD DATA PER VOL. 19 -SURVEYS-PG. 1
- R2 RECORD DATA PER VOL. 23 -SURVEYS- PG. 91
- R3 RECORD DATA PER VOL. 19 -SURVEYS- PG. 131
- R4 RECORD DATA PER VOL. 25 -SURVEYS- PG. 26
- R5 RECORD DATA PER RECORDER'S DOC. # 200297674
- (E) EXISTING
- S.S.E. SANITARY SEWER EASEMENT
- NOT FOUND OR SET
- ▨ PG&E EASEMENT BY SEPARATE EASEMENT

The following easements exist over the entire property with no specifically defined location, as further detailed in the following documents:

1. Pacific Gas and Electric Company, easement holder under document recorded April 17, 1997 in Reel 3506 at Page 1533, Official Records, September 9, 1997 as Recorder's Serial No. 9751897, Official Records, and October 1, 1997 as Recorder's Serial No. 9756845, Official Records.
2. Fort Ord Reuse Authority, easement holder under document recorded October 26, 2001, as Recorder's Serial No: 2001090790, of Official Records, October 26, 2001090792, Official Records, and October 17, 2002, as Recorder's Serial No. 200297674, Official Records.



SEE PHASE 4 MAP

TRACT NO.
MARINA HEIGHTS, PHASE 1
CONSISTING OF EIGHT SHEETS

Showing the Subdivision of a Portion of "Marina I" as shown on that Map Filed in Volume 23 of Surveys at Page 91 and a Portion of "Preston Park, Marina I-A" as shown on that Map Filed in Volume 23 of Surveys at Page 79, City of Marina, Monterey County, California

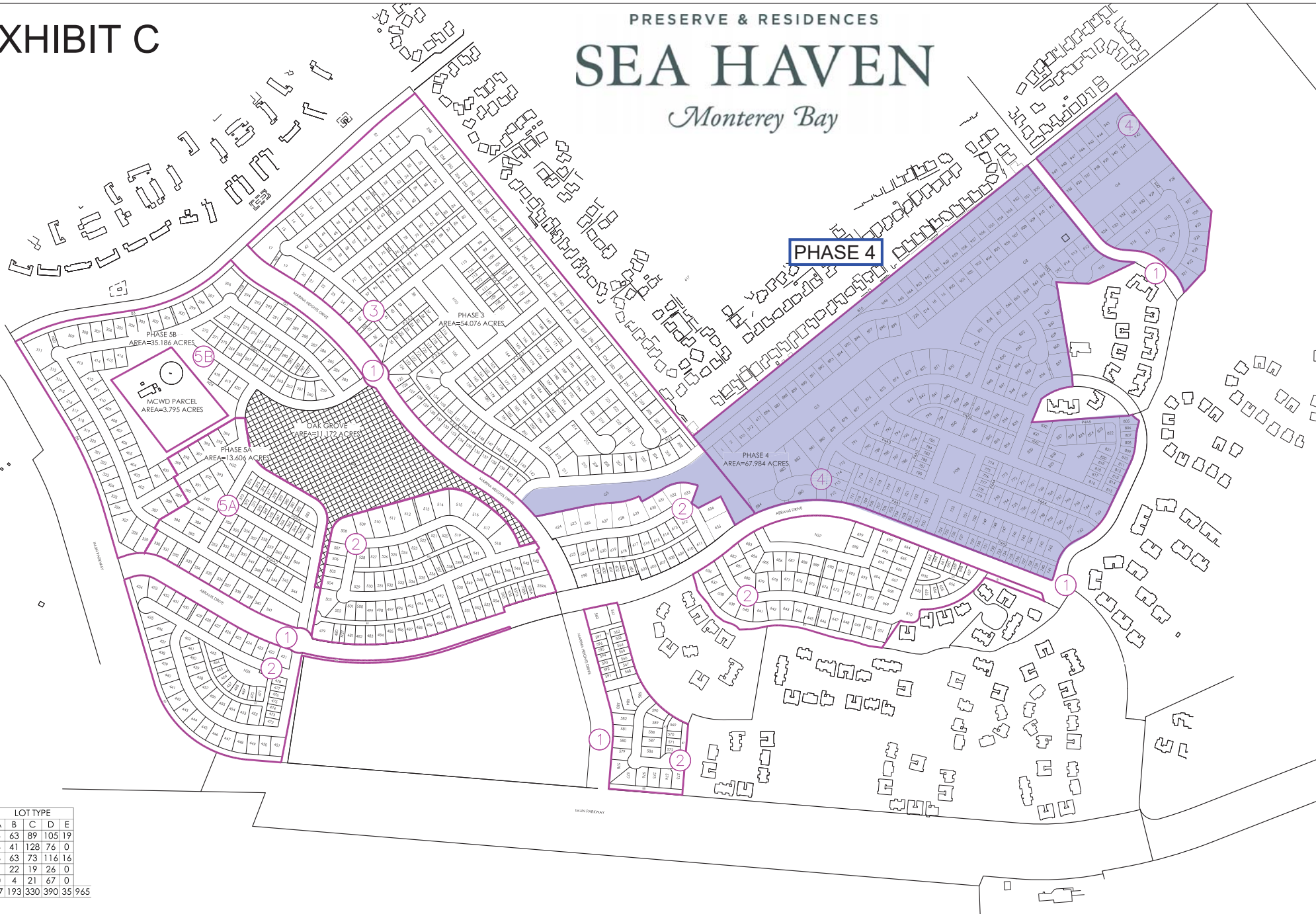
MARCH 2006

<p>PREPARED BY: WWD CORPORATION 2801 MONTEREY-SALINAS HIGHWAY MONTEREY, CALIFORNIA 93940 (831) 655-2723 FAX: (831) 655-3425</p>	<p>PREPARED FOR: CYPRESS MARINA HEIGHTS, LP 2716 OCEAN PARK BOULEVARD SUITE 3025 SANTA MONICA, CA 90405 (310) 314-2590</p>
SHEET 3 OF 8	

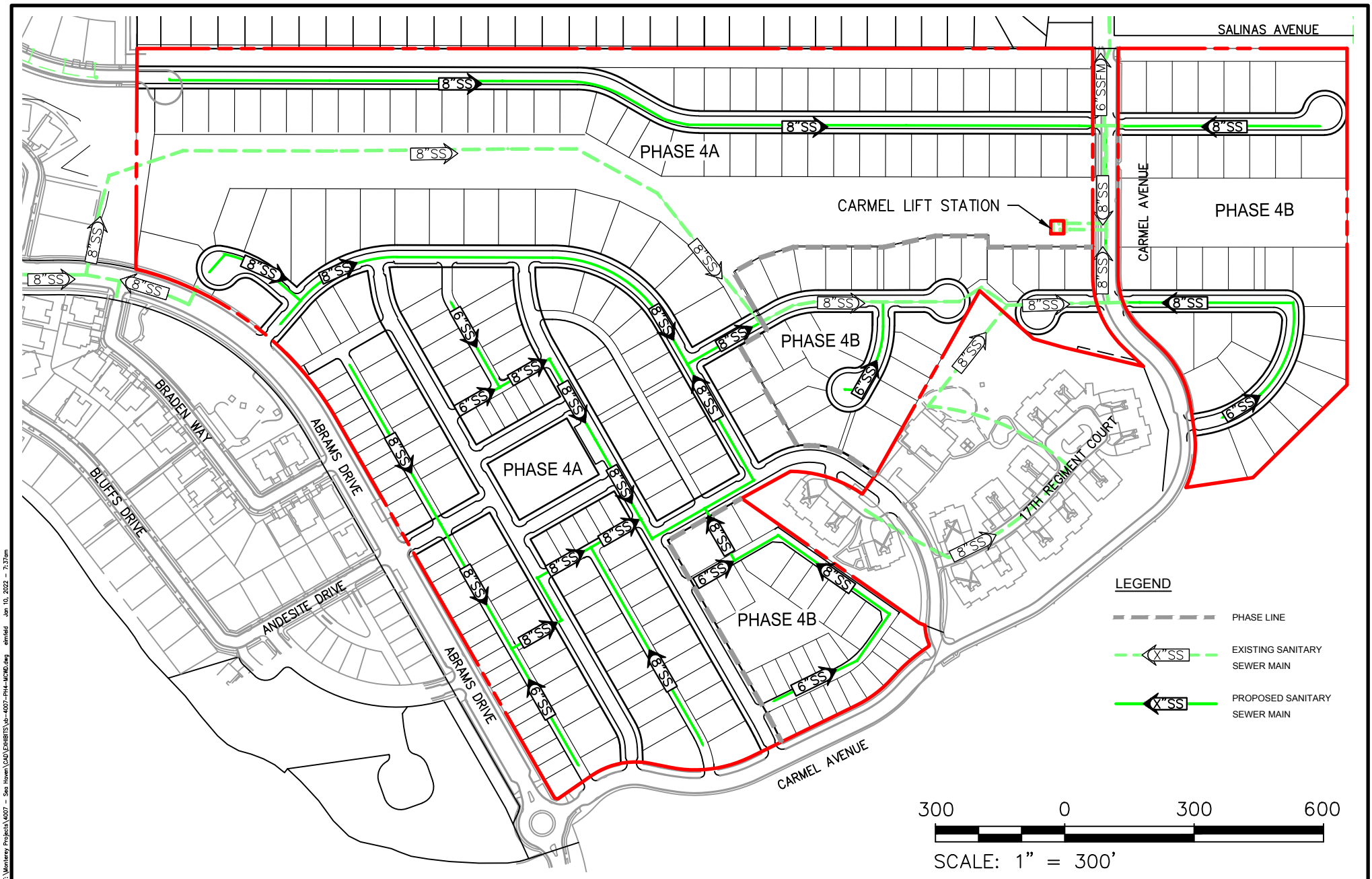
EXHIBIT C
MAP OF DEVELOPMENT

EXHIBIT C

PRESERVE & RESIDENCES SEA HAVEN *Monterey Bay*



PHASE	LOTTYPE				
	A	B	C	D	E
2	4	63	89	105	19
3	6	41	128	76	0
4	6	63	73	116	16
5A	1	22	19	26	0
5B	0	4	21	67	0
TOTAL	17	193	330	390	35



- LEGEND**
- PHASE LINE
 - EXISTING SANITARY SEWER MAIN
 - PROPOSED SANITARY SEWER MAIN

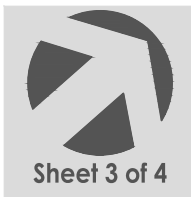


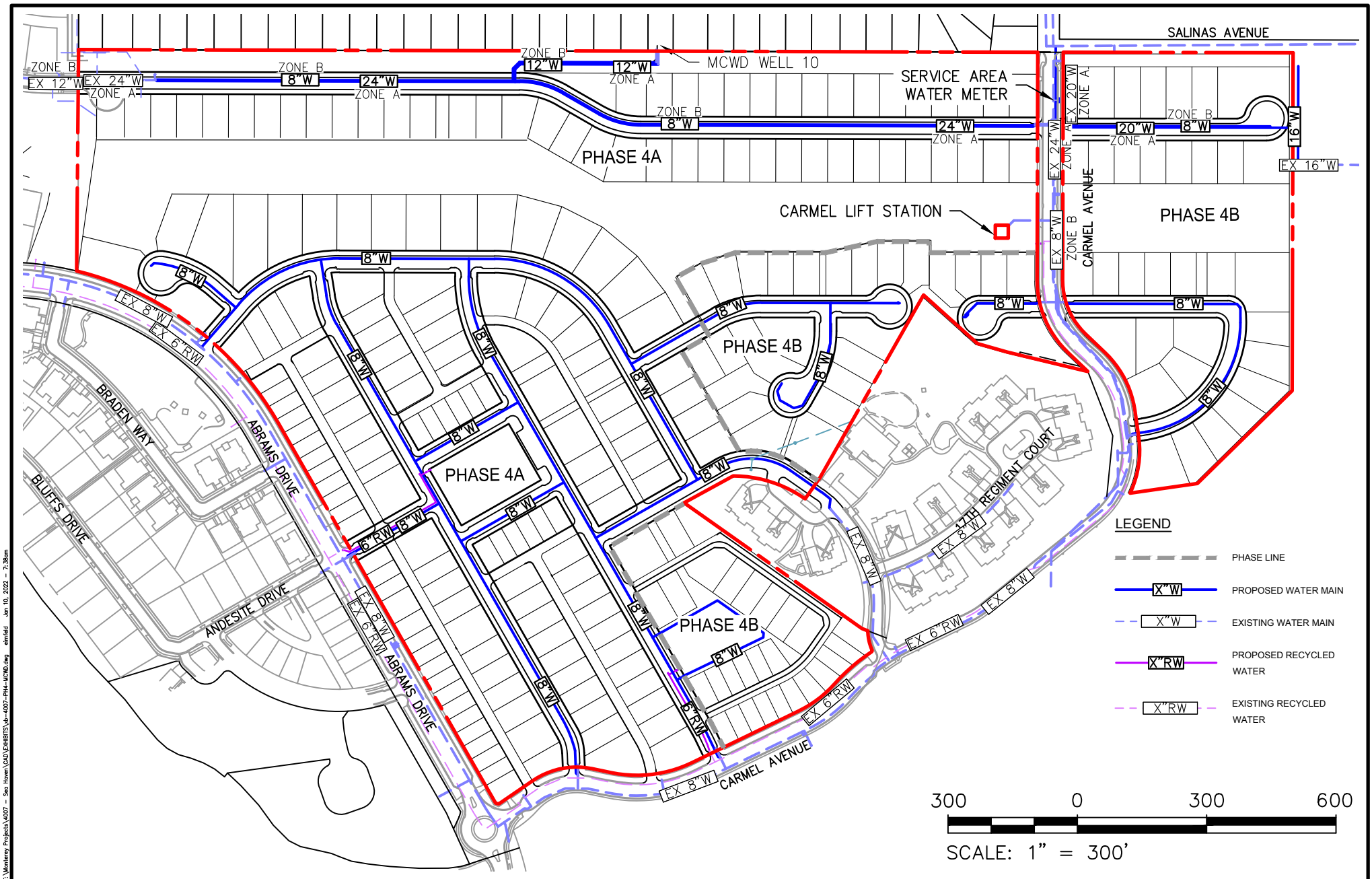
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SANITARY SEWER INFRASTRUCTURE
SEA HAVEN - PHASE 4A & 4B
 MARINA, CALIFORNIA



Civil Engineering
 Land Surveying
 6 Harris Court
 Monterey, California
 831.649.5225
 whitsonengineers.com





T:\Monteary Projects\4007 - Sea Haven\CAD\DWG\DWG\15b-4007-PH4-4006.dwg emmid Jan 10, 2022 - 7:38am

POTABLE WATER INFRASTRUCTURE
SEA HAVEN - PHASE 4A & 4B
 MARINA, CALIFORNIA



Civil Engineering
 Land Surveying
 6 Harris Court
 Monterey, California
 831.649.5225
 whitsonengineers.com

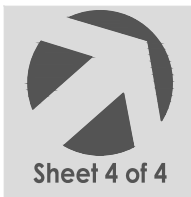


EXHIBIT D

INDEMNIFICATION AND INSURANCE REQUIREMENTS for Infrastructure Agreements

1. Workers' Compensation and Employer's Liability Insurance –

- a. The Developer shall require every Contractor to certify that it and all of its subcontractors are aware of the provisions of Section 3700 of the California Labor Code, which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and he/she will comply with such provisions before commencing the performance of any Work under this Agreement.
- b. The Developer shall require every Contractor and all sub-contractors to insure (or be a qualified self-insured) under the applicable laws relating to workers' compensation insurance, all of their employees working on or about the construction site, in accordance with the "Workers' Compensation and Insurance Act," Division IV of the Labor Code of the State of California and any Acts amendatory thereof.
- c. The Contractor shall provide employer's liability insurance in the amount of at least \$1,000,000 per accident for bodily injury and disease.

2. Definitions – For purposes of this Exhibit, the following terms shall have the following respective meanings:

“Claim” - shall be used collectively to refer to and include any and all claims, demands, causes of action, damages, costs, attorneys’ fees, expert fees, court costs, expenses, penalties, losses or liabilities, in law or in equity, of every kind and nature whatsoever.

3. Indemnification - To the fullest extent permitted by law, the Developer will require every Contractor to indemnify, hold harmless, and defend District, its directors, officers, employees, representatives, and authorized volunteers (collectively, the “indemnitees”), and each of them from and against:

- a. Any claim, including, but not limited to, injury to or death of any person including District and/or Contractor, or any directors, officers, employees, or authorized volunteers of District or Contractor, and damages to or destruction of property of any person, including but not limited to, District and/or Contractor or their directors, officers, employees, or authorized volunteers, arising out of or in any manner directly or indirectly connected with the Work to be performed under this Agreement, however caused, regardless of any negligence of District or its directors, officers, employees, or authorized volunteers, except to the extent caused by the sole negligence or willful misconduct or active negligence of District or its directors, officers, employees, or authorized volunteers;
- b. Any claim arising out of, resulting from, or relating in any way to a violation of any governmental law or regulation, compliance with which is the responsibility of the

Contractor;

- c. Any claims (including damages to the Facilities), attorneys' fees, and other costs, including all costs of defense, which any indemnitee may incur with respect to the failure, neglect, or refusal of Contractor to faithfully perform the Work and all of the Contractor's obligations to the Developer for Work to be performed under this Agreement. Such costs, expenses, and damages shall include all costs, including attorneys' fees, expert fees, and court costs, incurred by an indemnitee in any lawsuit to which the indemnitee is a party.
- d. Contractor acknowledges and understands that the area in and around which the Work will be performed has been identified as a possible location of munitions and explosives of concern ("MEC"). All indemnification obligations of Contractor under this Agreement shall specifically include any claim involving, arising out of or related to MEC.

The Developer will require their Contractor to pay and satisfy any judgment, award or decree that may be rendered against District or its directors, officers, employees, or authorized volunteers, relating to any claim.

The Developer will require their Contractor to reimburse District or its directors, officers, employees, or authorized volunteers, for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided.

Contractor's indemnification obligation shall not be limited to the proceeds, if any, received by the District, or its directors, officers, employees or authorized volunteers from any insurance required to be provided under this Agreement.

4. Commercial General Liability and Automobile Liability Insurance - The Developer will require their Contractor to provide and maintain the following commercial general liability and automobile liability insurance:

Coverage - Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

1. Insurance Services Office Commercial **General Liability** Coverage (Occurrence Form CG 0001)
2. Insurance Services Office **Automobile Liability** Coverage (Form CA 0001), covering Symbol 1 (any auto) (owned, non-owned and hired automobiles)

Limits - The Consultant shall maintain limits no less than the following:

1. **General Liability** - Two million dollars (\$2,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit or products-completed operations aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO

CG 2503, or ISO CG 2504, or insurer's equivalent endorsement provided to the District) or the general aggregate limit and products-completed operations aggregate limit shall be twice the required occurrence limit.

2. **Automobile Liability** - One million dollars (\$1,000,000) for bodily injury and property damage each accident limit.

Required Provisions - The general liability and automobile liability policies are to contain, or be endorsed to contain the following provisions:

1. The District, its directors, officers, employees, or authorized volunteers are to be given insured status (via ISO endorsement CG 2010, CG 2033, or insurer's equivalent for general liability coverage) as respects: liability arising out of activities performed by or on behalf of the Contractors; products and completed operations of the Contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the District, its directors, officers, employees, or authorized volunteers.
2. For any claims related to this project, the Contractor's insurance shall be primary insurance as respects the District, its directors, officers, employees, or authorized volunteers. Any insurance, self-insurance, or other coverage maintained by the District, its directors, officers, employees, or authorized volunteers shall not contribute to it.
3. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the District, its directors, officers, employees, or authorized volunteers.
4. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. Each insurance policy required by this clause shall state or be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days (10 days for non-payment of premium) prior written notice by U.S. mail has been given to the District.

Such liability insurance shall indemnify the Contractor and his/her sub-contractors against loss from liability imposed by law upon, or assumed under contract by, the Contractor or his/her sub-contractors for damages on account of such bodily injury (including death), property damage, personal injury and completed operations and products liability.

The general liability policy shall cover bodily injury and property damage liability, owned and non-owned equipment, blanket contractual liability, completed operations liability, explosion, collapse, underground excavation and removal of lateral support.

The automobile liability policy shall cover all owned, non-owned, and hired automobiles.

All of the insurance shall be provided on policy forms and through companies satisfactory to the District.

5. Deductibles and Self-Insured Retentions - Any deductible or self-insured retention must be disclosed in writing to and approved by the District.

6. Acceptability of Insurers - Insurance is to be placed with insurers having a current A.M. Best rating of no less than A-:VII or equivalent or as otherwise approved by the District.

7. Munitions and Explosives Coverage (MEC) - The Developer will require their Contractor to maintain insurance that includes coverage for services and Work in or around MEC, or claims, damage or injury related in any way to this Agreement which arise from MEC. The Marina Coast Water District, its officers, directors and employees and any of its authorized representatives and volunteers shall be named as additional insureds under all insurance maintained by Contractor related in any way to Work performed by it on behalf of the Marina Coast Water District.

8. Builder's Risk Insurance - The Developer or the Developer's Contractor will provide and maintain builder's risk insurance (or installation floater) covering all risks of direct physical loss, damage or destruction to the Facilities in the amount specified by the District, to insure against such losses until final acceptance of the work by the District. Such insurance shall include¹ explosion, collapse, underground excavation and removal of lateral support. The District shall be a named insured on any such policy. The making of progress payments to the Contractor by the Developer shall not be construed as creating an insurable interest by or for the District or be construed as relieving the Contractor or his/her subcontractors of responsibility for loss from any direct physical loss, damage or destruction occurring prior to final acceptance of the Facilities by the District.

9. Waiver of Rights of Subrogation - The Developer will require their Contractor's insurer to waive all rights of subrogation against the District, its directors, officers, employees, or authorized volunteers.

10. Evidences of Insurance - Prior to the commencement of construction activities under this Agreement, the Developer will require their Contractor to file with the District a certificate of insurance (Acord Form 25-S or equivalent) signed by the insurer's representative. Such evidence shall include an original copy of the additional insured endorsement signed by the insurer's representative. Such evidence shall also include confirmation that coverage includes or has been modified to include Required Provisions 1-5.

The Developer will require their Contractor, upon demand of the District, to deliver to the District such policy or policies of insurance and the receipts for payment of premiums thereon.

All insurance correspondence, certificates, binders, etc., shall be mailed to:

Marina Coast Water District
11 Reservation Road
Marina, CA 93933

Attn: Management Services Administrator

11. Sub-Contractors' Required Insurance Requirements - In the event that the Contractor employs sub-contractors as part of the Work to be performed under this Agreement, it shall be the Developer's responsibility to require and confirm that every Contractor requires each of its sub-contractor to meet the same minimum insurance requirements specified in this Exhibit for every Contractor.

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-C

Meeting Date: February 22, 2022

Prepared By: Kelly Cadiente

Approved By: Remleh Scherzinger

Agenda Title: Receive the Marina Coast Water District FY 2021-2022 Mid-Year Financial Report

Staff Recommendation: The Board receives the Marina Coast Water District Mid-Year Financial Report for FY 2021-2022.

Background: *Strategic Plan, Goal No. 4 – To manage the District’s finances in the most effective and fiscally responsible manner.*

On June 21, 2021, the Board passed and adopted Resolution No. 2021-37 adopting the Marina Coast Water District Budget for FY 2021-2022.

Discussion/Analysis: The FY 2021-2022 Mid-Year Financial Report reflects the consolidated financial activity of the District through December 31, 2021, and compares the activity with the approved budget.

The District’s Mid-Year Report includes revenues and other funding sources of \$17.108 million and expenses, including CIP/Capitalized Equipment of \$17.364 million, resulting in a net loss of \$0.256 million. The net loss is primarily due to the RUWAP construction costs, including soft costs, accrued in the second quarter ended 12/31/21 but are due to be received and paid in the third quarter ending 03/31/22. Staff is currently in process of the requesting reimbursement from the State Revolving Fund.

Environmental Review Compliance: None required.

Financial Impact: Yes No **Funding Source/Recap:** None

Other Considerations: None

Material Included for Information/Consideration: Mid-year Financial Report for FY 2021-2022 as of December 31, 2021.

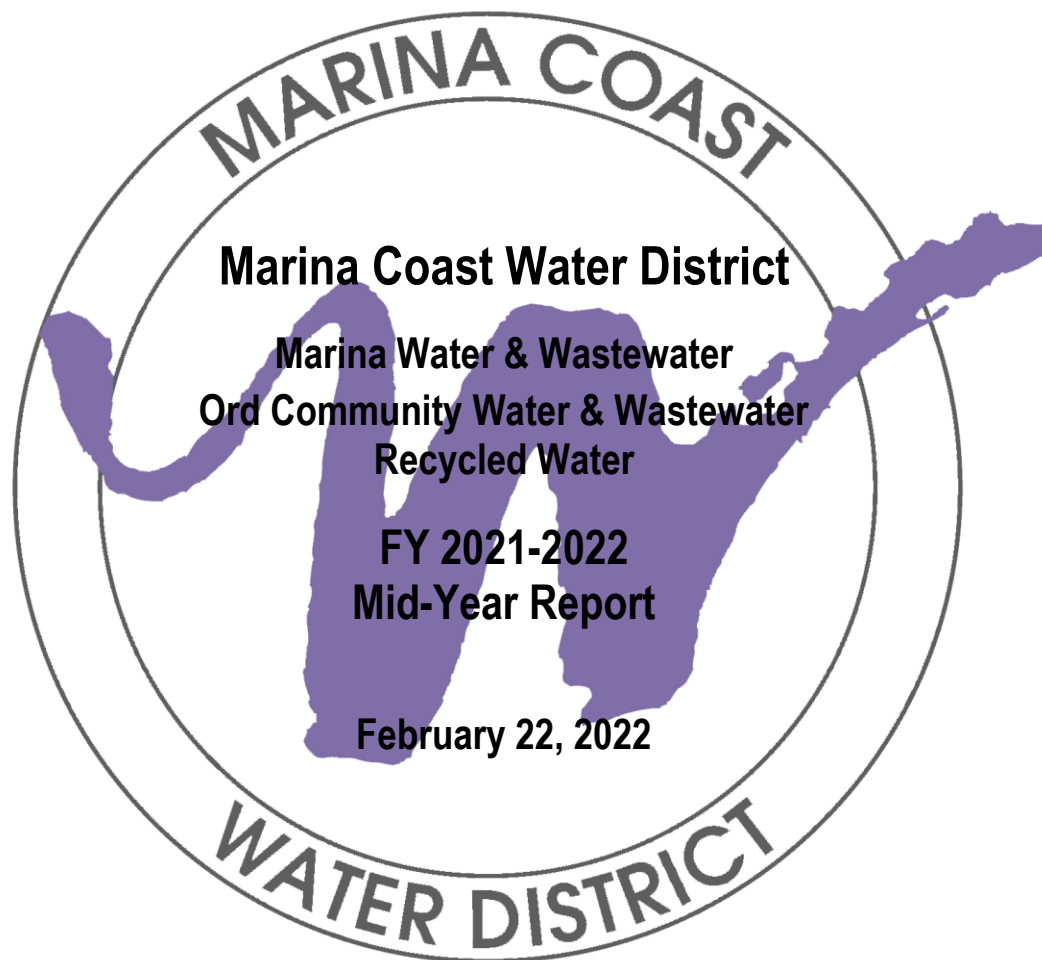
Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



**Marina Coast Water District
Mid-Year Summary
JULY - DECEMBER 2021**

1 Ln #	2 REVENUE	3 MARINA WATER	4 SEWER	5 ORD COMMUNITY WATER	6 SEWER	7 RECYCLED WATER	8 TOTAL	9 Ln #
1	WATER SALES	1,820,024	-	4,064,916	-	-	5,884,940	1
2	FLAT RATE ACCOUNTS	-	-	-	-	-	-	2
3	OTHER WATER SALES	-	-	203,618	-	-	203,618	3
4	SEWER SALES	-	648,629	-	1,550,666	-	2,199,295	4
5	FIRE SYSTEM CHARGE	52,967	-	134,174	-	-	187,141	5
6	BACKFLOW PREVENTION	-	-	-	-	-	-	6
7	LATE CHARGES	1,572	-	4,683	-	-	6,255	7
8	PERMITS/PLAN CHECK	1,920	2,220	2,510	2,420	-	9,070	8
9	WHEELING CHARGE	-	-	12,000	-	-	12,000	9
10	METER FEES	4,269	-	30,020	-	-	34,289	10
11	CAPACITY FEES/CAPITAL SURCHARGE	247,991	84,394	946,436	285,068	-	1,563,889	11
12	OTHER INCOME	36,698	86	8,591	8,734	-	54,109	12
13	INTEREST INCOME	4,501	1,054	12,826	4,897	1	23,279	13
14	RENTAL REVENUE	44,134	12,610	78,810	22,067	-	157,621	14
15	DEVELOPER FEES	318,678	3,871	116,812	150,403	2,892	592,656	15
16	OTHER FUNDING SOURCE	428,971	27,480	884,798	2,417,160	2,199,304	5,957,713	16
17	GRANT FUNDING	88,910	-	133,365	-	-	222,275	17
18	TOTAL REVENUE	3,050,635	780,344	6,633,559	4,441,415	2,202,197	17,108,150	18
19	EXPENSES							19
20	SALARIES & BENEFITS	831,037	254,338	1,585,718	416,558	(0)	3,087,650	20
21	DEPT. EXPENSE	1,132,162	56,925	2,130,209	326,798	48,472	3,694,566	21
22	INTEREST EXPENSE	129,737	57,492	342,862	188,141	138,166	856,398	22
23	FRANCHISE & ADMIN FEES	-	-	62,944	22,228	-	85,172	23
24								24
25	TOTAL CIP/ CAPITALIZED EQUIPMENT	1,058,635	80,664	1,967,008	2,596,044	3,337,948	9,040,299	25
26								26
27	PRINCIPAL DEBT SERVICE ¹	-	-	-	-	-	-	27
28								28
29	TRANSFER TO CAP REPLACEMENT FUND	200,000	100,000	200,000	100,000	-	600,000	29
30								30
31	TRANSFER (FROM)/TO RESERVES ²	-	-	-	-	-	-	31
32								32
33	TOTAL EXPENSES	3,351,571	549,419	6,288,741	3,649,769	3,524,586	17,364,086	33
34	BALANCE	(300,936)	230,925	344,819	791,646	(1,322,389)	(255,935)	34

¹Principal debt service payments are made in the 4th quarter of the fiscal year.

²Transfers are made in the 4th quarter of the fiscal year.

MARINA COAST WATER DISTRICT
REVENUE BUDGET ANALYSIS
JULY - DECEMBER 2021

ACCOUNT NAME	ANNUAL BUDGET	JUL - DEC BUDGET	TOTAL	BUD vs ACTUALS \$ CHANGE	BUD vs ACTUALS % CHANGE
			JUL - DEC ACTUALS		
WATER SALES RESIDENTIAL	5,579,153	2,789,577	2,455,221	(334,356)	-12.0%
WATER SALES BUSINESS	1,545,837	772,919	991,383	218,465	28.3%
WATER SALES SCHOOLS	0	0	196,422	196,422	100.0%
WATER SALES MULTIPLES	4,257,610	2,128,805	1,914,772	(214,033)	-10.1%
WATER SALES GOVERNMENT	1,395,539	697,770	129,271	(568,499)	-81.5%
FIRE SYSTEM CHARGE	330,303	165,152	187,141	21,990	13.3%
HYDRANT METER	316,388	158,194	197,871	39,677	25.1%
OTHER WATER SALES	11,514	5,757	203,618	197,861	3436.9%
LATE CHARGE FEES	120,000	60,000	6,255	(53,745)	-89.6%
BACKFLOW REVENUE	52,500	26,250	0	(26,250)	-100.0%
RECLAIMED WATER SALES	449,787	224,894	0	(224,894)	-100.0%
PLAN CHECK/PERMIT FEES	40,000	20,000	9,070	(10,930)	-54.7%
METER FEES	72,500	36,250	34,289	(1,961)	-5.4%
WHEELING CHARGE	24,000	12,000	12,000	0	0.0%
DEVELOPER FEES	334,000	167,000	592,656	425,656	254.9%
SEWER SALES BUSINESS	593,817	296,909	1,776,554	1,479,646	498.4%
SEWER SALES RESIDENTIAL	4,186,143	2,093,072	422,741	(1,670,331)	-79.8%
TOTAL OPERATING REVENUES	19,309,091	9,654,546	9,129,264	(525,281)	-5.44%
CAPITAL SURCHARGE	204,900	102,450	101,548	(902)	-0.9%
CAPACITY CHARGES	4,023,725	2,011,863	1,462,341	(549,522)	-27.3%
INTEREST INCOME	126,000	63,000	21,195	(41,805)	-66.4%
INTEREST INCOME - 2019 BONDS	11,900	5,950	2,080	(3,870)	-65.0%
INTEREST INCOME - 2015 BONDS	776	388	4	(384)	-99.0%
OTHER INCOME	24,000	12,000	26,559	14,559	121.3%
DEFD REVENUE -2019 SERIES BOND	67,489	33,745	0	(33,745)	-100.0%
DEFD REVENUE -2015 SERIES BOND	136,325	68,163	0	(68,163)	-100.0%
BLM RENTAL REVENUE	337,186	168,593	155,661	(12,932)	-7.7%
ARMSTRONG RANCH RENTAL REVENUE	3,921	1,961	1,960	(1)	0.0%
GAIN/LOSS ON ASSET SALES	0	0	27,550	27,550	100.0%
GRANT FUNDING	710,584	355,292	222,275	(133,017)	-37.4%
TOTAL NON OPERATING REVENUES	5,646,806	2,823,403	2,021,173	(802,230)	-28.4%
TOTAL REVENUE	24,955,897	12,477,949	11,150,437	(1,327,511)	-10.6%

MARINA COAST WATER DISTRICT
 BUDGET ANALYSIS - ALL DEPARTMENTS
 JULY - DECEMBER 2021

ACCOUNT NAME	ANNUAL BUDGET	JUL - DEC BUDGET	TOTAL	BUD vs ACTUALS \$ CHANGE	BUD vs ACTUALS % CHANGE
			JUL - DEC ACTUALS		
WAGES	4,802,173	2,401,087	2,084,579	(316,508)	-13.2%
WAGES/BENEFITS ALLOCATED TO CAPITAL	(278,113)	(139,057)	(145,401)	(6,344)	4.6%
OVERTIME	68,049	34,025	58,063	24,038	70.7%
STANDBY WAGES	54,600	27,300	20,580	(6,720)	-24.6%
FICA EXPENSE	288,163	144,082	119,736	(24,345)	-16.9%
MEDI EXPENSE	70,144	35,072	30,323	(4,749)	-13.5%
MEDICAL INSURANCE	935,741	467,871	399,659	(68,212)	-14.6%
DENTAL INSURANCE	41,493	20,747	17,038	(3,708)	-17.9%
VISION INSURANCE	10,688	5,344	4,440	(904)	-16.9%
WORKERS COMP. INSURANCE	87,535	43,768	24,197	(19,570)	-44.7%
LIFE INSURANCE	16,945	8,473	9,418	946	11.2%
UNIFORM BENEFIT	16,200	8,100	8,395	295	3.6%
BOOT BENEFIT	5,200	2,600	1,254	(1,346)	-51.8%
SUI EXPENSE	11,493	5,747	1,650	(4,096)	-71.3%
ETT EXPENSE	346	173	43	(130)	-74.9%
CAR ALLOWANCE EXPENSE	4,200	2,100	2,100	0	-
TUITION REIMBURSEMENT	5,000	2,500	0	(2,500)	-100.0%
DISABILITY PLAN	14,587	7,294	7,008	(285)	-3.9%
CALPERS RETIREMENT (ER)	702,578	351,289	328,614	(22,675)	-6.5%
CALPERS RETIREMENT (EE)	212,675	106,338	97,199	(9,138)	-8.6%
DEFERRED COMP (ER)	93,000	46,500	15,202	(31,298)	-67.3%
OPEB EXPENSE	135,000	67,500	0	(67,500)	-100.0%
BOARD COMPENSATION	10,800	5,400	3,550	(1,850)	-34.3%
TOTAL SALARY & BENEFIT	7,308,497	3,654,249	3,087,650	(566,598)	-15.5%
PROPERTY & LIABILITY INSURANCE	152,000	76,000	80,577	4,577	6.0%
REGULATORY FEES	41,800	20,900	38,775	17,875	85.5%
PROPERTY TAXES	4,000	2,000	3,966	1,966	98.3%
MAINTENANCE & EQUIPMENT	1,177,793	588,897	485,458	(103,438)	-17.6%
POWER/GAS	1,037,883	518,942	490,744	(28,197)	-5.4%
BUILDING SECURITY & OTHER SERVICES	23,000	11,500	11,992	492	4.3%
PHONE/ANSWERING SERVICE	57,000	28,500	27,868	(632)	-2.2%
RENT/LEASE EQUIPMENT	21,000	10,500	9,639	(861)	-8.2%
CONTRACT TESTING/ QUALITY CONTROL	70,000	35,000	27,110	(7,890)	-22.5%
BOOKS & REF MATERIALS	2,100	1,050	0	(1,050)	-100.0%
POSTAGE	45,000	22,500	20,142	(2,358)	-10.5%
PRINTING	44,000	22,000	10,331	(11,669)	-53.0%
OFFICE & GENERAL SUPPLY	41,200	20,600	11,921	(8,679)	-42.1%
COMPUTER & SOFTWARE EXPENSES	133,500	66,750	74,566	7,816	11.7%
ADVERTISEMENT	25,000	12,500	26,319	13,819	110.6%
MAINTENANCE AGREEMENTS	38,863	19,432	23,459	4,028	20.7%
HOSPITALITY & AWARDS	7,500	3,750	5,017	1,267	33.8%
BOARD MEETING VIDEO RECORDING	6,000	3,000	3,220	220	7.3%
ACCOUNTING SERVICES	37,000	18,500	25,160	6,660	36.0%
CONSULTING SERVICES	1,291,450	645,725	462,979	(182,746)	-28.3%
LEGAL FEES	2,824,500	1,412,250	1,149,355	(262,895)	-18.6%
RW-0156 RECYCLED WATER EXPENSE	12,000	6,000	3,126	(2,875)	-47.9%
RW-0174 RECYCLED WATER EXPENSE	5,000	2,500	0	(2,500)	-100.0%
CONFERENCES/EDUCATION	12,100	6,050	10,059	4,009	66.3%
TRAVEL	7,850	3,925	2,113	(1,812)	-46.2%
SAFETY	23,250	11,625	5,791	(5,834)	-50.2%
MEMBERSHIPS & DUES	59,850	29,925	12,723	(17,202)	-57.5%
PERMITS	83,000	41,500	40	(41,460)	-99.9%
BANK & ADMINISTRATION FEES	145,300	72,650	76,523	3,873	5.3%
INTEREST EXPENSE	2,032,671	1,016,336	856,398	(159,937)	-15.7%
MISCELLANEOUS	1,500	750	1,431	681	90.8%
REBATE PROGRAMS	145,050	72,525	14,389	(58,136)	-80.2%
CONSERVATION EDUCATION	48,250	24,125	16,529	(7,596)	-31.5%
BAD DEBT EXPENSE	65,000	32,500	0	(32,500)	-100.0%
IOP EXPENSES	11,000	5,500	0	(5,500)	-100.0%
BLM EXPENSES	65,200	32,600	25,557	(7,043)	-21.6%
FRANCHISE FEE	162,838	81,419	85,172	3,753	4.6%
M1W - AWTF O&M COST SHARE	388,114	194,057	0	(194,057)	-100.0%
M1W - AWTF CAPITAL COST SHARE	356,846	178,423	0	(178,423)	-100.0%
M1W - AN RENEWAL RESERVE SHARE	92,093	46,047	0	(46,047)	-100.0%
DEVELOPER EXPENSES (REIMBURSABLE)	455,500	227,750	537,688	309,938	136.1%
TOTAL DEPARTMENT EXPENSE	11,253,001	5,626,501	4,636,137	(990,364)	-17.6%
TOTAL EXPENSE	18,561,498	9,280,749	7,723,787	(1,556,962)	-16.8%

**MARINA COAST WATER DISTRICT
GENERAL CIP BUDGET ANALYSIS
JULY - DECEMBER 2021**

ACCOUNT NAME	ANNUAL BUDGET	JUL - DEC BUDGET	TOTAL		
			JUL - DEC ACTUALS	BUD vs ACTUALS \$ CHANGE	BUD vs ACTUALS % CHANGE
NETWORK COMPUTER SYSTEM	20,000	10,000	0	(10,000)	-100.0%
VEHICLES	100,000	50,000	0	(50,000)	-100.0%
O&M EQUIPMENT	520,000	260,000	372,299	112,299	43.2%
TOTAL	640,000	320,000	372,299	52,299	16.3%

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MARINA COAST WATER DISTRICT
 CAPITAL IMPROVEMENT PROJECT BUDGET ANALYSIS
 JULY - DECEMBER 2021

ACCOUNT NAME	ANNUAL BUDGET	JUL - DEC BUDGET	TOTAL		BUD vs ACTUALS \$ CHANGE	BUD vs ACTUALS % CHANGE
			JUL - DEC ACTUALS			
MW - 0302 CRESCENT AVE CONNECTOR	196,000	98,000	148,046		50,046	51.1%
MW - 0901 FLOWER CIRCLE PIPELINE	0	0	47,711		47,711	100.0%
OW - 0193 IMJIN PKWY PIPELINE	0	0	8,906		8,906	100.0%
OW - 0202 S BOUNDARY RD PIPE	0	0	538		538	100.0%
OS - 0152 HATTEN BOOKER NEESON	798,000	399,000	11,068		(387,932)	-97.2%
OS - 0205 IMJIN LS/ FORCE MAIN	0	0	747		747	100.0%
OS - 0218 GIGLING LS/ FORCE MAIN	2,021,079	1,010,540	869,479		(141,061)	-14.0%
OS - 0241 ORD VILLAGE LS	0	0	116		116	100.0%
OS - 0147 ORD VILLAGE LS/ FM IMP	2,897,000	1,448,500	1,636,571		188,071	13.0%
RW - 0174 RUWAP DISTRIBUTION MAIN	2,947,226	1,473,613	3,337,948		1,864,335	126.5%
GW - 0112 A1/A2 TANK B/C BOOSTER	8,325,000	4,162,500	2,196,485		(1,966,015)	-47.2%
GW - 0123 B2 ZONE TANK	140,000	70,000	97		(69,903)	-99.9%
GW - 0311 INTERMEDIATE RESERVOIR RECOAT	190,000	95,000	11,735		(83,265)	-87.6%
GW - 0312 INTERMEDIATE RESERVOIR VALVE REPLACEMENT	130,000	65,000	287		(64,713)	-99.6%
GW - 0356 PRV REBUILDS	100,000	50,000	96,168		46,168	92.3%
WD - 0106 CORP YARD DEMO/REHAB	480,000	240,000	32,975		(207,025)	-86.3%
WD-0379 BEACH OFFICE RENOVATION	0	0	44,105		44,105	100.0%
IOP BUILDING IMPROVEMENTS	0	0	21,400		21,400	100.0%
SEASIDE LAND TRANSFER	0	0	203,618		203,618	100.0%
TOTAL	18,224,305	9,112,153	8,668,000		(444,153)	-4.9%

MARINA COAST WATER DISTRICT
SCHEDULE OF INVESTMENTS SUMMARY
JULY - DECEMBER 2021
(UNAUDITED)

PURCHASE DATE	MATURITY DATE	ACCT TYPE	YIELD APR	6/30/2021 BALANCE	TRANSACTION TYPE	AMOUNT	12/31/2021 BALANCE
LAIF ACCOUNT				0.23%	16,874,905	INTEREST 07/15/2021 INTEREST 10/15/2021	13,777 10,284 16,898,966
SAVINGS ACCOUNT				0.04%	1,074,997	INTEREST 07/01/21 - 09/30/21 INTEREST 10/01/21 - 12/31/21	108 108 1,075,105 1,075,213
BUILDING REMOVAL FUND				0.03%	977,912	INTEREST 07/01/21 - 09/30/21 INTEREST 10/01/21 - 12/31/21	74 74 977,986 978,060
RESTRICTED FUNDS				0.15%	1,080,585	INTEREST 07/01/21 - 09/30/21 INTEREST 10/01/21 - 12/31/21	409 408 1,080,994 1,081,402
RUWAP LOC PROCEEDS					4,505	DEPOSITS WITHDRAWALS FEES	3,808,563 (3,808,563) (125) 4,380
CHECKING ACCOUNT					777,578	DEPOSITS & CREDITS CHECKS & DEBITS TRANSFERS	12,077,888 (18,220,840) 7,566,973 2,201,599

SUMMARY	As of December 31		RESERVES DETAIL (LAIF ACCOUNT)	As of December 31	
	2020	2021		2020	2021
LAIF ACCOUNT	17,229,185	16,898,966	MW GEN OP RESERVE	855,943	611,299
SAVINGS ACCOUNT	274,941	1,075,213	MW CAPACITY REVENUE FUND	1,292,932	1,346,120
BUILDING REMOVAL FUND	977,766	978,060	MW CAP REPL RESERVE FUND	1,168,364	1,373,450
RESTRICTED FUNDS	1,079,782	1,081,402	MS GEN OP RESERVE	296,839	208,628
RUWAP LOC PROCEEDS	4,662	4,380	MS CAPACITY REVENUE FUND	202,250	192,369
CHECKING ACCOUNT	1,793,131	2,201,599	MS CAP REPL RESERVE FUND	201,180	302,149
TOTAL INVESTMENT	21,359,467	22,239,620	OW GEN OP RESERVE	1,786,060	1,821,367
			OW CAPITAL/CAPACITY REVENUE FUND	7,646,541	7,449,706
			OW CAP REPL RESERVE FUND	165,860	366,826
			OS GEN OP RESERVE	1,091,133	966,169
			OS CAPITAL/CAPACITY REVENUE FUND	2,459,865	2,098,267
			OS CAP REPL RESERVE FUND	62,218	162,616
			TOTAL	17,229,185	16,898,966

MARINA COAST WATER DISTRICT
 SCHEDULE OF INVESTMENTS SUMMARY - BOND PROCEEDS
 AS OF DECEMBER 31, 2021
 (UNAUDITED)

PURCHASE DATE	ACCT TYPE	YIELD APR	6/30/2021 BALANCE	TRANSACTION TYPE	AMOUNT	12/31/2021 BALANCE
PROJECT FUND	MM	0.04%	16,805,117	INTEREST 07/01/21 - 09/30/21	1,077	16,806,194
2019 SERIES BOND				INTEREST 10/01/21 - 12/31/21	1,001	16,807,195
				FUNDS TRANSFER	(3,758,410)	13,048,785

MARINA COAST WATER DISTRICT
 SCHEDULE OF DEBT SUMMARY
 AS OF DECEMBER 31, 2021
 (UNAUDITED)

PRINCIPAL AMOUNT	FIRST PAYMENT	FINAL PAYMENT	RATE	6/30/2021 BALANCE	TRANSACTION TYPE	AMOUNT	12/31/2021 BALANCE
HCC - BLM INSTALLMENT LOAN							
2,799,880	07/20/2017	01/20/2037	5.750%	2,461,718	PAYMENT - PRINCIPAL	(47,920)	2,413,798
					INTEREST PAYMENT	(70,774)	
2015 REFUNDING BOND - CLOSING DATE 07/15/2015							
TAX-EXEMPT SERIES A							
29,840,000	12/01/2015	06/01/2037	3.712%	25,015,000	PAYMENT - PRINCIPAL	0	25,015,000
					PAYMENT - INTEREST ONLY	(581,300)	
2019 SERIES REVENUE BOND - CLOSING DATE 12/19/2019							
17,725,000	06/01/2020	06/01/2049	2.990%	17,270,000	PAYMENT - PRINCIPAL	0	17,270,000
					INTEREST PAYMENT	(339,850)	
BVAA COMPASS RUWAP LOC							
55,000		03/31/2022	2.040% *	1,029,621	ADVANCES	3,808,563	4,838,184
					PAYMENT - PRINCIPAL	0	4,838,184
					INTEREST PAYMENT	(26,750)	

*Line of Credit interest calculated on a variable basis (65.01% of the 30-Day Monthly LIBOR plus 1.50%). Amount represents interest rate at 12/01/2021.

SUMMARY

HCC - BLM INSTALLMENT LOAN	2,413,798
2015 REFUNDING BOND SERIES A	25,015,000
2019 SERIES REVENUE BOND	17,270,000
BVAA COMPASS RUWAP LOC	4,838,184
TOTAL DEBT	<u>49,536,982</u>

**MARINA COAST WATER DISTRICT
RESERVE DETAIL
PROJECTED AS OF DECEMBER 31, 2021**

<u>Description</u>	<u>MW</u>	<u>MS</u>	<u>OW</u>	<u>OS</u>	<u>RW</u>	<u>TOTAL</u>
Building Removal Fund	0	0	0	978,060	0	978,060
RUWAP LOC Proceeds*	0	0	0	0	4,380	4,380
Sub-total	0	0	0	978,060	4,380	982,440
Capacity Charge/Capital Surcharge Reserve						
Capacity Charge/Capital Surcharge - LAIF**	1,346,120	192,369	7,449,706	2,098,267	0	11,086,462
Capacity Charge/Capital Surcharge - MM**	0	0	1,081,402	0	0	1,081,402
Capacity Charge/Capital Surcharge Reserve Sub-total	1,346,120	192,369	8,531,108	2,098,267	0	12,167,864
Capital Replacement Reserve						
2019 Bond Project Fund**	4,121,482	1,524,311	3,333,738	4,069,254	0	13,048,785
Capital Replacement - LAIF**	1,373,450	302,149	366,826	162,616	0	2,205,041
Capital Replacement Reserve Sub-total	5,494,932	1,826,460	3,700,564	4,231,870	0	15,253,826
Administrative Reserve Fund	50,000	50,000	50,000	50,000	0	200,000
General Operating Reserve						
General Business Checking	11,512,020	3,183,969	(13,675,164)	10,980,488	(10,008,823)	1,992,491
General Fund - LAIF	611,299	208,628	1,821,367	966,169	0	3,607,463
Savings	70,022	64,586	58,740	881,865	0	1,075,213
Sub-total	12,193,341	3,457,183	(11,795,057)	12,828,522	(10,008,823)	6,675,167
(Due From)/ Due To Other Funds	(9,008,823)	(1,431,329)	12,431,329	(11,000,000)	9,008,823	0
General Operating Reserve Sub-total	3,184,518	2,025,854	636,272	1,828,522	(1,000,000)	6,675,167
Total Reserves as of 12-31-2021	10,075,570	4,094,683	12,917,944	9,186,719	(995,620)	35,279,297
Capital Replacement Reserves as of 12-31-2021	5,494,932	1,826,460	3,700,564	4,231,870	0	15,253,826
Minimum balance required by Board***	6,868,923	2,296,368	2,821,540	1,169,944	0	13,156,776
Available Capital Replacement Reserve as of 12-31-2021	(1,373,991)	(469,908)	879,024	3,061,926	0	2,097,050
General Operating Reserves as of 12-31-2021	3,184,518	2,025,854	636,272	1,828,522	(1,000,000)	6,675,167
6 mos. Avg operating expenses required by Board***	2,180,707	480,402	4,889,301	1,022,365	0	8,572,775
Available Operating Reserve as of 12-31-2021	1,003,811	1,545,452	(4,253,029)	806,157	(1,000,000)	(1,897,608)
Operating Expenses plus Interest & Bond Amortization	4,361,414	960,804	9,778,602	2,044,730	1,415,948	18,561,498
* Held by external Agencies						
** Restricted to capital spending						
***Per Board Policy						