

**Directors**

Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**

Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**UNION SANITARY DISTRICT BOARD MEETING/  
UNION SANITARY DISTRICT FINANCING AUTHORITY  
AGENDA**

**Monday, April 22, 2024  
Regular Meeting - 4:00 PM**

**Union Sanitary District  
Administration Building  
5072 Benson Road  
Union City, CA 94587**

**THIS MEETING WILL BE TELECONFERENCED FROM  
851 UINTA COURT, FREMONT, CALIFORNIA**

- 1. Call to Order

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- 2. Salute to the Flag

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- 3. Roll Call

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- Motion 4. Adopt a Resolution Announcing and Declaring the Results of the District Election Held March 5, 2024

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- 5. Swearing in of Reappointed Boardmembers Manny Fernandez, Pat Kite, and Anjali Lathi

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- Motion 6. Election of Officers for the Board of Directors

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- Motion 7. Approve Minutes of the Union Sanitary District Board Meeting of April 8, 2024

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- Motion 8. Approve Minutes of the Union Sanitary District Special Board Meeting of April 15, 2024

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- Information 9. March 2024 Monthly Operations Report *(to be reviewed by the Budget & Finance and Legal/Community Affairs Committees)*

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- 10. Written Communications

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- 11. Public Comment  
Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available in the Boardroom and are requested to be completed prior to the start of the meeting.

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- Motion 12. Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for a Credit to Change New Pipe Materials for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project *(to be reviewed by*

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*the Engineering and Information Technology Committee)*

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- Motion 13. Consideration of Board Resolution to Authorize Staff, Legal Counsel and Municipal Advisor to Prepare Documents for the Issuance of Interim Notes *(to be reviewed by the Budget & Finance Committee)*
- 
- Motion 14. Consider a Resolution of the Union Sanitary District Regarding its Intention to Reimburse Certain Costs From Proceeds of Tax-Exempt Obligations *(to be reviewed by the Budget & Finance Committee)*
- 
- Motion 15. Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair a Sinkhole on Cushing Parkway in the City of Fremont *(to be reviewed by the Engineering and Information Technology Committee)*
- 
- Information 16. Board Expenses for 3rd Quarter of FY24 *(to be reviewed by the Budget & Finance Committee)*
- 
- Information 17. CAL-Card FY24 3<sup>rd</sup> Quarter Activity Report *(to be reviewed by the Budget & Finance Committee)*
- 
- Information 18. Report on the East Bay Dischargers Authority Meeting of March 21, 2024
- 
- Information 19. Check Register
- 
- Information 20. Committee Meeting Reports *(No Board action is taken at Committee meetings)*
- a. Engineering and Information Technology Committee – Wednesday, April 17, 2024, at 1:00 p.m.
    - Director Fernandez and Director Toy
  - b. Budget & Finance Committee – Thursday, April 18, 2024, at 1:30 p.m.
    - Director Kite and Director Handley
  - c. Legal/Community Affairs Committee – Friday, April 19, 2024, at 11:30 a.m.
    - Director Kite and Director Lathi
- 
- Information 21. General Manager’s Report *(Information on recent issues of interest to the Board)*
- 
22. Other Business
- a. Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
  - b. Scheduling matters for future consideration
- 
23. Adjournment – The Board will adjourn to the Special Board Meeting to be held in the Boardroom on Tuesday, April 30, 2024, at 4:00 p.m.
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24. Adjournment – The Board will then adjourn to the next Regular Board Meeting to be held in the Boardroom on Monday, May 13, 2024, at 4:00 p.m.

The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager’s office at (510) 477-7503 at least 24 hours in advance of the meeting.

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**ENGINEERING AND INFORMATION TECHNOLOGY  
COMMITTEE MEETING**

Committee Members: Director Fernandez and Director Toy

**AGENDA**

**Wednesday, April 17, 2024**

**1:00 P.M.**

**Alvarado Conference Room  
5072 Benson Road  
Union City, CA 94587**

1. Call to Order

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2. Roll Call

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3. Public Comment

Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available and are requested to be completed prior to the start of the meeting.

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4. Items to be reviewed for the Regular Board meeting of April 22, 2024:

- Authorize the General Manager to Execute a Contract Change Order with W.M. Lyles Co. for a Credit to Change New Pipe Materials for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project
  - Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair a Sinkhole on Cushing Parkway in the City of Fremont
- 

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.
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The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least 24 hours in advance of the meeting.

**Directors**  
Manny Fernandez  
Tom Handley  
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Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**BUDGET & FINANCE COMMITTEE MEETING**

Committee Members: Director Kite and Director Handley

**AGENDA**

**Thursday, April 18, 2024**

**1:30 P.M.**

**Alvarado Conference Room**

**5072 Benson Road**

**Union City, CA 94587**

**THIS MEETING WILL BE TELECONFERENCED FROM STIRLING COURT NEAREST LAKE BOULEVARD, NEWARK, CALIFORNIA AND 851 UINTA COURT, FREMONT, CALIFORNIA.**

**THE TELECONFERENCE LOCATIONS SHALL BE ACCESSIBLE TO THE PUBLIC.**

1. Call to Order

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2. Roll Call

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3. Public Comment

Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available and are requested to be completed prior to the start of the meeting.

- Alvarado Conference Room
  - Teleconference Locations
- 

4. Items to be reviewed for the Regular Board meeting of April 22, 2024:

- March 2024 Monthly Operations Report – Financial Reports
  - Consideration of Board Resolution to Authorize Staff, Legal Counsel and Municipal Advisor to Prepare Documents for the Issuance of Interim Notes
  - Consider a Resolution of the Union Sanitary District Regarding its Intention to Reimburse Certain Costs From Proceeds of Tax-Exempt Obligations
  - Board Expenses for 3<sup>rd</sup> Quarter of FY24
  - CAL-Card FY24 3<sup>rd</sup> Quarter Activity Report
- 

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.

The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least 24 hours in advance of the meeting.

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**LEGAL/COMMUNITY AFFAIRS COMMITTEE MEETING**

Committee Members: Director Kite and Director Lathi

**AGENDA**

**Friday, April 19, 2024**

**11:30 A.M.**

**Alvarado Conference Room**

**5072 Benson Road**

**Union City, CA 94587**

**THIS MEETING WILL BE TELECONFERENCED FROM STIRLING COURT NEAREST LAKE BOULEVARD, NEWARK, CALIFORNIA AND THE GUEST PARKING AREA LOCATED ON OCASO CAMINO, WEST OF AND CLOSEST TO THE INTERSECTION OF PASEO PADRE PARKWAY IN FREMONT, CALIFORNIA.**

**THE TELECONFERENCE LOCATIONS SHALL BE ACCESSIBLE TO THE PUBLIC.**

1. Call to Order

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2. Roll Call

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3. Public Comment

Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available and are requested to be completed prior to the start of the meeting.

- Alvarado Conference Room
  - Teleconference Locations
- 

4. Items to be reviewed for the Regular Board meeting of April 22, 2024:

- March 2024 Monthly Operations Report – Odor and Work Group Reports
- 

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.

The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least 24 hours in advance of the meeting.

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #4**

**TITLE:** **Adopt a Resolution Announcing and Declaring the Results of the District Election Held March 5, 2024 (*Motion Item*)**

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk  
Karen Murphy, General Counsel

**Recommendation**

Adopt a resolution receiving the Certificates of Appointment and announcing the results from the March 5, 2024, Union Sanitary District Election as to Directors from Ward 1, Ward 2, and Ward 3, as certified by the Alameda County Registrar of Voters.

**Discussion**

Director Manny Fernandez representing Ward 1, Director Pat Kite representing Ward 2, and Director Anjali Lathi representing Ward 3, were the only candidates for their respective wards and were reappointed by the County to serve terms expiring 2028.

**Background**

Union Sanitary District Boardmembers are elected to four-year terms.

**Previous Board Action**

10/23/2023 Board Meeting – Adopted Resolution No. 2999 Calling the Election for Three Directors  
10/23/2023 Board Meeting – Adopted Resolution No. 3000 Ordering the Consolidation of the Union Sanitary District General Election with the Direct Presidential Primary Election on March 5, 2024

**Attachments**

1. Resolution Certifying Election
2. Exh A to Reso Certified\_USD\_03052024 Presidential Primary Election
3. Certificates of Appointment and Oath of Office

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION OF THE BOARD OF DIRECTORS OF UNION SANITARY DISTRICT  
ANNOUNCING AND DECLARING THE RESULTS OF THE DISTRICT ELECTION  
HELD MARCH 5, 2024**

WHEREAS, on March 5, 2024, Alameda County conducted a Presidential Primary Election; and

WHEREAS, on October 23, 2023, the Board of Directors adopted Resolution No. 2999, Calling the March 5, 2024 Election for Three Directors, and Resolution No. 3000, Consolidating the Union Sanitary District Election with the Presidential Primary Election on March 5, 2024; and

WHEREAS, the Union Sanitary District offices to be filled by such Presidential Primary Election were for three Directors serving Ward 1, Ward 2, and Ward 3, with terms expiring March 2028; and

WHEREAS, Director Manny Fernandez, representing Ward 1, Director Pat Kite, representing Ward 2, and Director Anjali Lathi, representing Ward 3, were the only candidates for their respective wards, and a petition signed by voters in the District requesting that an election be held for such offices was not filed; and

WHEREAS, Director Manny Fernandez was appointed by the County to the office of Union Sanitary District Director, Ward 1; and

WHEREAS, Director Pat Kite was appointed by the County to the office of Union Sanitary District Director, Ward 2; and

WHEREAS, Director Anjali Lathi was appointed by the County to the office of Union Sanitary District Director, Ward 3.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Union Sanitary District that the Board of Directors hereby receives the certificates of appointment from the Registrar of Voters of Alameda County for the Presidential Primary Election for Wards 1, 2, and 3, and announces the appointment of Manny Fernandez for Union Sanitary District Director, Ward 1, Pat Kite for Union Sanitary District Director, Ward 2, and Anjali Lathi for Union Sanitary District Director, Ward 3.

On motion duly made and seconded, this resolution was adopted by the following vote on April 22, 2024:

AYES:

NOES:

ABSENT:

ABSTAIN:

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President, Board of Directors  
UNION SANITARY DISTRICT

Attest:

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Secretary, Board of Directors  
UNION SANITARY DISTRICT





REGISTRAR OF VOTERS  
ALAMEDA COUNTY • CALIFORNIA

TIM DUPUIS  
REGISTRAR OF VOTERS

CYNTHIA CORNEJO  
DEPUTY REGISTRAR OF VOTERS

April 1, 2024

Union Sanitary District  
Paul R. Eldredge, General Manager  
5072 Benson Road  
Union City, CA 94587

Dear Paul R. Eldredge:

Enclosed are the Certificate of Facts for the Union Sanitary District Presidential Primary Election held on March 5, 2024.

If you have any questions, please contact me at (510) 272-6933.

Sincerely,

Tim Dupuis  
Registrar of Voters  
Alameda County  
Enclosures

CERTIFICATE OF REGISTRAR OF VOTERS PURSUANT TO SECTION 10515 OF THE CALIFORNIA ELECTIONS CODE CONCERNING THE PRESIDENTIAL PRIMARY ELECTION TO BE HELD ON TUESDAY, MARCH 5, 2024, IN THE UNION SANITARY DISTRICT, WARD 1.

I, **TIM DUPUIS**, Registrar of Voters, County of Alameda, State of California, do hereby certify that the number of Directors to be elected at the Presidential Primary Election held on Tuesday, March 5, 2024, in the Union Sanitary District, Ward 1, is: **One**

I further certify that the number of nominees for Director of Union Sanitary District, Ward 1, does not exceed the number of offices for Director to be filled at said election.

I further certify that the following candidate has been duly nominated for the elective office of Director, Union Sanitary District, Ward 1:

**MANUEL "MANNY" FERNANDEZ**

I hereby certify that a petition signed by voters in the District requesting that an election be held for such office was not filed.

Dated at Oakland, California

This 1<sup>st</sup> day of April 2024



**TIM DUPUIS**  
Registrar of Voters  
Alameda County  
State of California

CERTIFICATE OF REGISTRAR OF VOTERS PURSUANT TO SECTION 10515 OF THE CALIFORNIA ELECTIONS CODE CONCERNING THE PRESIDENTIAL PRIMARY ELECTION TO BE HELD ON TUESDAY, MARCH 5, 2024, IN THE UNION SANITARY DISTRICT, WARD 2.

I, **TIM DUPUIS**, Registrar of Voters, County of Alameda, State of California, do hereby certify that the number of Directors to be elected at the Presidential Primary Election held on Tuesday, March 5, 2024, in the Union Sanitary District, Ward 2, is: **One**

I further certify that the number of nominees for Director of Union Sanitary District, Ward 2, does not exceed the number of offices for Director to be filled at said election.

I further certify that the following candidate has been duly nominated for the elective office of Director, Union Sanitary District, Ward 2:

**L. PATRICIA (PAT) KITE**

I hereby certify that a petition signed by voters in the District requesting that an election be held for such office was not filed.

Dated at Oakland, California

This 1<sup>st</sup> day of April 2024



**TIM DUPUIS**  
Registrar of Voters  
Alameda County  
State of California

CERTIFICATE OF REGISTRAR OF VOTERS PURSUANT TO SECTION 10515 OF THE CALIFORNIA ELECTIONS CODE CONCERNING THE PRESIDENTIAL PRIMARY ELECTION TO BE HELD ON TUESDAY, MARCH 5, 2024, IN THE UNION SANITARY DISTRICT, WARD 3.

I, **TIM DUPUIS**, Registrar of Voters, County of Alameda, State of California, do hereby certify that the number of Directors to be elected at the Presidential Primary Election held on Tuesday, March 5, 2024, in the Union Sanitary District, Ward 3, is: **One**

I further certify that the number of nominees for Director of Union Sanitary District, Ward 3, does not exceed the number of offices for Director to be filled at said election.

I further certify that the following candidate has been duly nominated for the elective office of Director, Union Sanitary District, Ward 3:

**ANJALI LATHI**

I hereby certify that a petition signed by voters in the District requesting that an election be held for such office was not filed.

Dated at Oakland, California

This 1<sup>st</sup> day of April 2024



**TIM DUPUIS**  
Registrar of Voters  
Alameda County  
State of California



TIM DUPUIS  
REGISTRAR OF VOTERS

# REGISTRAR OF VOTERS

ALAMEDA COUNTY • CALIFORNIA

CYNTHIA CORNEJO  
DEPUTY REGISTRAR OF VOTERS

April 1, 2024

Regina McEvoy, Executive Assistant to the General Manager

Union Sanitary District

5072 Benson Road

Union City, CA 94587

Enclosed are the Certificates of Appointment and Oath of Office for your Elected Officials from the Presidential Primary Election on March 5, 2024.

### Appointed Officials:

Manuel "Manny" Fernandez -

District Director, Ward 1

L. Patricia (Pat) Kite -

District Director, Ward 2

Anjali Lathi -

District Director, Ward 3

Please have each member sign their certificate and forward a copy to the Registrar of Voters office. The original certificate is for the newly elected official(s) to keep.

If you have any questions, please contact the Registrar of Voters at (510) 272-6960.

Sincerely,

Candidate and Nomination Services

Enclosures

# Certificate of Appointment and Oath of Office

STATE OF CALIFORNIA,

} SS.

COUNTY OF ALAMEDA

I, **Tim Dupuis** Registrar of Voters in and for the COUNTY OF ALAMEDA in the State of California, do hereby certify, that at a Presidential Primary Election held in and for said County on March 5, 2024, Anjali B. Lathi was appointed to the office of Union Sanitary District Director, Ward 3 in which the number of candidates for said office did not exceed the number to be elected at the above titled election.



IN WITNESS WHEREOF, I have hereunto affixed my hand and seal this 1st day of April, 2024.

Registrar of Voters

STATE OF CALIFORNIA

} SS.

COUNTY OF ALAMEDA

I, Anjali B. Lathi, solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
\_\_\_\_\_

# Certificate of Appointment and Oath of Office

STATE OF CALIFORNIA,

} SS.

COUNTY OF ALAMEDA

I, **Tim Dupuis** Registrar of Voters in and for the COUNTY OF ALAMEDA in the State of California, do hereby certify, that at a Presidential Primary Election held in and for said County on March 5, 2024, Manuel "Manny" Fernandez was appointed to the office of Union Sanitary District Director, Ward 1 in which the number of candidates for said office did not exceed the number to be elected at the above titled election.



IN WITNESS WHEREOF, I have hereunto affixed my hand and seal this 1st day of April, 2024.

[Signature]  
Registrar of Voters

STATE OF CALIFORNIA

} SS.

COUNTY OF ALAMEDA

I, Manuel "Manny" Fernandez, solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
\_\_\_\_\_

# Certificate of Appointment and Oath of Office

STATE OF CALIFORNIA,

} SS.

COUNTY OF ALAMEDA

I, *Tim Dupuis* Registrar of Voters in and for the COUNTY OF ALAMEDA in the State of California, do hereby certify, that at a Presidential Primary Election held in and for said County on March 5, 2024, L. Patricia (Pat) Kite was appointed to the office of Union Sanitary District Director, Ward 2 in which the number of candidates for said office did not exceed the number to be elected at the above titled election.



IN WITNESS WHEREOF, I have hereunto affixed my hand and seal this 1st day of April, 2024.

[Signature]  
Registrar of Voters

STATE OF CALIFORNIA

} SS.

COUNTY OF ALAMEDA

I, L. Patricia (Pat) Kite, solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
\_\_\_\_\_



**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #5**

**TITLE:** Swearing in of Reappointed Boardmembers Manny Fernandez, Pat Kite, and Anjali Lathi

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

**Recommendation**

None.

**Discussion**

Board Clerk McEvoy will lead the swearing in of reappointed Directors Fernandez, Kite, and Lathi.

**Background**

Reappointed Directors are sworn in following certification of District election results by the Alameda County Registrar of Voters.

**Previous Board Action**

None.

**Attachments**

None.

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #6**

**TITLE:** Election of Officers for the Board of Directors (*Motion Item*)

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Karen Murphy, General Counsel  
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

**Recommendation**

It is recommended the Board appoint and elect by motion the officers to serve as President, Vice President, Secretary, and Secretary Pro Tem, in accordance with the attached policy and previous Board direction.

**Discussion**

The current policy, approved by the Board in April of 2021, designates the offices of President, Vice President, and Secretary. The policy states the Board shall annually elect by majority vote the President, Vice-President, and Secretary. Officers were last elected at the May 8, 2023, Board meeting.

Pursuant to direction received at the Board meeting held March 25, 2024, the Board will also select a Secretary Pro Tem. Policy 3070 will be updated to reflect this change.

Historically, the Board has followed a rotation of officers where Vice President becomes President, Secretary becomes Vice President, and the fourth member in rotation becomes Secretary. At present, Director Toy is Vice President, Director Handley is Secretary, and Director Kite is the fourth member in the rotation.

In accordance with Policy 3070, Board officers in office at the beginning of the meeting shall retain their positions until the adjournment of the meeting and newly elected Board officers will assume their duties immediately following the meeting.

**Background**

The Board considers this item annually.

**Previous Board Action**

None

## **Attachments**

1. Policy 3070 Boardmember Officers and Committee Membership

Union Sanitary District  
Policy and Procedure Manual

Effective: 4/26/2021	<b>Boardmember Officers and Committee Membership</b>	Policy Number 3070  Page 1 of 4
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**Policy**

Selection of Board Officers will be held annually at the first regular meeting following the certification of Board election results in election years or approximately one year after the election of Board Officers in non-election years. Internal Board committee memberships and Board representation for External Committees shall be established following the selection of the Board Officers.

**Purpose**

To provide a written record of the procedure approved by the Board for electing its Officers and establishing its committee memberships.

**Procedure**

Board Officers

1. The Officers are President, Vice President, and Secretary and the term of office shall be for approximately one year, allowing for flexibility depending on the date of the election for Boardmembers. In election years, which occur every two years, the term shall run until after certification of election results. In non-election years, the term shall end and begin on such date as determined by the Board to allow for approximate one-year terms, with the understanding that terms may be either longer or shorter than one year depending on the date of the next District election.
2. The Board may, by motion, amend the titles of President and Vice President to Chair and Vice Chair, respectively, provided that the Chair, regardless of title, shall act as the “president” pursuant to California Health & Safety Code Section 6486. Throughout this Policy, the titles President and Vice President shall be used interchangeably with Chair and Vice Chair.
3. The President shall preside over the meetings of the Board of Directors and be responsible for the following:
  - a. maintaining order and following the published agenda
  - b. ensuring Boardmembers are allowed to participate in discussions
  - c. allowing the public to speak on agenda items
  - d. facilitating dialog among the public, staff, and Boardmembers
  - e. appointment of members of the Board of Directors to Internal Committee assignments
  - f. signing resolutions, ordinances, and construction contracts on behalf of the District

- g. representing the Board of Directors on issues or at events as designated by the full Board

The Vice President shall fulfill the duties of the President when the President is absent or otherwise unavailable.

The Secretary shall ensure the recording of the minutes of the Board of Directors meetings and sign the adopted Minutes, shall sign all Resolutions and Ordinances passed by the District, and shall serve as Vice President when the Vice President is absent or otherwise unavailable. If the President and Vice President are both absent, and a quorum is present, the Secretary shall preside over the meetings of the Board of Directors as the Board President.

4. During election years, the newly elected Boardmembers shall be sworn in as the first item of business on the agenda followed immediately by the selection of the Board Officers. During non-election years, the selection of the Board Officers shall be considered after the last motion item on the agenda. The Board shall elect the President, Vice-President, and Secretary for terms as set forth in Section 1 above. The election or removal of the President, Vice-President, or Secretary shall require a majority vote of the Board. The Board may choose to follow a rotation of officers.

The Board officers in office at the beginning of the meeting shall retain their positions until the adjournment of the meeting and the newly selected Board Officers shall assume their duties immediately following this meeting.

#### Internal Board Committee Memberships

1. Internal committees are: Budget and Finance; Engineering and Information Technology; Legal/Community Affairs; Legislative; Personnel; and Audit Committee. There is no fixed schedule for meetings set by this policy and appointments are made by the President, as set forth below. Notwithstanding the above, meetings are noticed and open to the public.
2. Annually, following the election of Board officers, and at the same meeting as the election of the officers, Directors shall be provided a list of the internal committees along with an internal committee interest form. The internal committee interest form shall be completed in order of preference and provided to the General Manager, or designee, no later than 11 calendar days in advance of the next Board meeting.
3. The President is delegated the authority to appoint Directors to the internal committees. The President shall make every effort to rotate committee assignments and ensure a similar number of committee assignments for each Board member. Notice of internal committee membership appointments will be contained in an information item to the Board at the next regularly scheduled meeting following the selection of the Board Officers. The determination of the Board President on committee assignments shall be

considered final.

- 4. Ad Hoc committees are called as needed by a majority vote of the Board of Directors.

External Commissions / Committee Representatives (CCR)

- 1. External commissions/committees include: the EBDA Commission; the Joint Powers Authority for Geographic Information Systems; the Alameda County Water District Finance Authority (ACWDFA); and the Alameda County Chapter of the California Special Districts Association.
- 2. Membership on the EBDA Commission shall be a maximum of two consecutive years, with a possible three years in exceptional circumstances if approved by the Board.
- 3. The Board of Directors will elect representatives for External Committees annually. At the same meeting as the election of officers, Directors shall be provided a list of external committees along with an external committee interest form. The external committee interest form shall be completed in order of preference and provided to the General Manager, or designee, no later than 11 calendar days in advance of the meeting. The external committee interests shall be compiled in a motion item staff report by the General Manager, or designee, and provided to the Board for consideration. The Board shall elect the external committee representatives for one-year terms to start on July 1 of each year, or as otherwise decided by the Board majority, unless the assignment is vacant, in which case the term shall begin immediately upon election. The Board may choose to follow a rotation for representatives. The election or removal of external committee representatives shall require a majority vote of the Board.

**Management Responsibility**

The General Manager will be responsible for scheduling on the Board agenda, the election or appointment of Board officers and external commissions, pursuant to the schedule shown above. The General Manager, or designee, will provide the following to the new President, with copies to the Board: (1) a list of the last ten years and current committee memberships; (2) a copy of this policy; and (3) a list of internal committee interests. In consultation with the Board President, the General Manager will also be responsible for scheduling on the Board agenda the announcement of internal committee appointments.

Supersedes Policy Dated: July 2004, September 2005, January 2008, September 2010, October 2013, December 2016, December 2019

Approved by:	Board of Directors, April 2021
Reviewers:	General Manager, Board of Directors, District’s attorney
Notify Person:	General Manager
Review frequency:	Every 3 years
Next Review:	April 2024

**MINUTES OF THE MEETING OF THE  
BOARD OF DIRECTORS OF  
UNION SANITARY DISTRICT/UNION SANITARY DISTRICT FINANCING  
AUTHORITY  
April 8, 2024**

**CALL TO ORDER**

President Fernandez called the meeting to order at 4:00 p.m.

**SALUTE TO THE FLAG**

President Fernandez led the salute to the flag.

**ROLL CALL**

PRESENT: Manny Fernandez, President  
Jennifer Toy, Vice President  
Tom Handley, Secretary  
Pat Kite, Director  
Anjali Lathi, Director

STAFF: Paul Eldredge, General Manager/District Engineer  
Karen Murphy, District Counsel  
Mark Carlson, Business Services Manager/CFO  
Armando Lopez, Treatment and Disposal Services Manager  
Jose Rodrigues, Collection Services Manager  
Raymond Chau, Technical Services Manager  
Robert Simonich, Fabrication, Maintenance, and Construction Manager  
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager  
Michael Dunning, Environmental Compliance Coach  
Chris Pachmayer, Electrical and Information Technology Coach  
Marcus Lee, Treatment and Disposal Services Coach  
Richard Thow, Customer Service Coach  
Gus Carrillo, Enhanced Treatment and Site Upgrade Assistant Program Manager  
Trieu Nguyen, IT Administrator  
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

VISITORS: Alice Johnson, League of Women Voters

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD  
MEETING OF MARCH 19, 2024**

It was moved by Director Kite, seconded by Director Lathi, to Approve the Minutes of the Special Board Meeting of March 19, 2024. Motion carried with the following vote:

AYES: Fernandez, Handley, Kite, Lathi, Toy  
NOES: None

ABSTAIN: None  
ABSENT: None

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT BOARD MEETING OF MARCH 25, 2024**

It was moved by Vice President Toy, seconded by Director Lathi, to Approve the Minutes of the Board Meeting of March 25, 2024. Motion carried with the following vote:

AYES: Fernandez, Handley, Kite, Lathi, Toy  
NOES: None  
ABSTAIN: None  
ABSENT: None

**WRITTEN COMMUNICATIONS**

There were no written communications.

**PUBLIC COMMENT**

There was no public comment.

**CONSIDER CONFIRMING AND DECLARING THE NEED TO CONTINUE THE EMERGENCY ACTION TO REPAIR A SINKHOLE ON CUSHING PARKWAY IN THE CITY OF FREMONT**

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Chau stated that on February 12, 2024, the Board adopted a resolution declaring the need to authorize an emergency and the expenditure of funds to allow staff to proceed with the expeditious repair of a sinkhole on Cushing Parkway in the City of Fremont. Following adoption of the resolution, staff issued written notification to McGuire and Hester to commence services in accordance with the District's emergency services contract. McGuire and Hester developed and submitted required traffic control plans/permit applications to the City of Fremont. The public contract code requires the Board review the status of the emergency action at every regularly scheduled Board meeting following adoption of the resolution until the action has been terminated. Staff recommended the Board declare the continuance of the emergency action to repair a sinkhole on Cushing Parkway in the City of Fremont.

It was moved by Vice President Toy, seconded by Director Kite, to Declare the Continuance of the Emergency Action to Repair a Sinkhole on Cushing Parkway in the City of Fremont. Motion carried with the following four-fifths vote:

AYES: Fernandez, Handley, Kite, Lathi, Toy  
NOES: None  
ABSTAIN: None  
ABSENT: None



**AUTHORIZE THE GENERAL MANAGER TO EXECUTE AMENDMENT NO. 1 TO THE PURCHASE ORDER WITH KBM OFFICE EQUIPMENT FOR FUTNITURE PLANNING, SELECTION, PROCUREMENT, AND INSTALLATION SERVICES FOR THE ENHANCED TREATMENT AND SITE UPGRADE PHASE 1A CAMPUS BUILDING PROJECT**

This item was reviewed by the Engineering and Information Technology Committee. Enhanced Treatment and Site Upgrade Program Manager Pipkin stated the Enhanced Treatment and Site Upgrade Project includes construction of a new Campus Building that will replace the current Administration, Control, and FMC buildings. New furnishings for the Campus will be provided via contract with KBM that will include office, conference/meeting room, common area, and workstation furniture. While the total contract price has not changed, an amendment is needed to update each line item to be as shown in the Board meeting packet. Authorizing the proposed amendment will authorize staff to proceed with the remainder of the scope of the furniture and moving services from KBM. Staff recommended the Board authorize the General Manager to execute an amendment to the purchase order with KBM Office Equipment, DBA KBM Hogue, for the furniture procurement, installation, and moving services for the Enhanced Treatment and Site Upgrade Phase 1A Campus Building Project.

It was moved by Director Lathi, seconded by Vice President Toy to Authorize the General Manager to Execute an Amendment to the Purchase Order with KBM Office Equipment, DBA KBM Hogue, for the Furniture Procurement, Installation, and Moving Services for the Enhanced Treatment and Site Upgrade Phase 1A Campus Building Project. Motion carried with the following vote:

AYES: Fernandez, Handley, Kite, Lathi, Toy  
NOES: None  
ABSTAIN: None  
ABSENT: None

**RECEIVE POTENTIAL CONTENT TOPICS FOR THE DISTRICT’S FALL 2024 NEWSLETTER**

This item was reviewed by the Legal/Community Affairs Committee. General Manager Eldredge provided an overview of the list of potential newsletter topics included in the Board meeting packet. Staff recommended the Board discuss and provide feedback regarding potential newsletter content topics for the Fall 2024 newsletter.

The Board provided direction regarding topics for the District’s Fall 2024 Newsletter.

**RECEIVE INFORMATION AND PROVIDE DIRECTION REGARDING THE EARTH DAY 2024 ADVERTISEMENT**

This item was reviewed by the Legal/Community Affairs Committee. Environmental Compliance Coach Dunning stated the design of the District’s current Earth Day advertisement was first developed in 2012 with the Board’s input. Staff presented several advertisement options for the Board’s consideration. Staff recommended the Board provide direction regarding the District’s Earth Day 2024 advertisement.

The Board directed staff to proceed with the Earth Day advertisement shown as Option 2 in the Board meeting packet.

**INFORMATION ITEMS:**

**Information Technology Software and Hardware Agreement Summary**

This item was reviewed by the Engineering and Information Technology Committee. Electrical and Information Technology Coach Pachmayer stated the District's Information Technology team procures and maintains licenses for 83 separate IT systems. The table included in the Board meeting packet showed the name of each software/hardware, description of what each software/hardware does, and the annual cost for each in 2024.

**Check Register**

There were no questions regarding the check register.

**COMMITTEE MEETING REPORTS:**

The Engineering and Information Technology and Legal/Community Affairs Committees met.

**GENERAL MANAGER'S REPORT:**

- General Manager Eldredge stated the District received the official results from the March 5, 2024, Presidential Primary Election and further stated reappointed Boardmembers will be sworn in at the Board meeting to be held April 22, 2024.
- Staff will send the Board information regarding scheduling the Annual Certificates of Merit Ceremony.
- The District's Spring BBQ will be held April 11, 2024, the Board was invited to attend.
- A Special Board Meeting will be held in the Alvarado Conference Room on Monday, April 15, 2024, at 4:00 p.m.
- General Manager Eldredge stated he will be presenting at the City of Newark and City of Fremont Council meetings, details will be shared with the Board via email.

**OTHER BUSINESS:**

There was no other business.

**ADJOURNMENT:**

The meeting was adjourned at 4:27 p.m. to a Special Board Meeting to be held in the Boardroom on Monday, April 15, 2024, at 4:00 p.m.

The Board will then adjourn to the next Regular Meeting to be held in the Boardroom on Monday, April 22, 2024, at 4:00 p.m.

SUBMITTED:

ATTEST:

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REGINA McEVOY  
BOARD CLERK

TOM HANDLEY  
SECRETARY

APPROVED:

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MANNY FERNANDEZ  
PRESIDENT

Adopted this 22<sup>nd</sup> day of April 2024

**MINUTES OF THE SPECIAL MEETING OF THE  
BOARD OF DIRECTORS OF  
UNION SANITARY DISTRICT  
April 15, 2024**

**CALL TO ORDER**

President Fernandez called the special meeting to order at 4:00 p.m.

**ROLL CALL**

PRESENT: Manny Fernandez, President  
Jennifer Toy, Vice President  
Tom Handley, Secretary  
Pat Kite, Director  
Anjali Lathi, Director

STAFF: Paul Eldredge, General Manager/District Engineer  
Alisa Gordon, Human Resources Manager  
Karen Murphy, District Counsel

**PUBLIC COMMENT**

There was no public comment.

**BOARD WORKSHOP**

General Manager Eldredge presented information regarding IRS guidelines.

**Closed Session**

The Union Sanitary District Board of Directors adjourned to the following closed session:

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION  
Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: (Potential Claims on Phase 1A Aeration Basin Modification)

**ADJOURNMENT:**

The special meeting was adjourned at approximately 5:00 p.m. to the next Regular Board Meeting to be held in the Boardroom on Monday, April 22, 2024, at 4:00 p.m.

SUBMITTED:

ATTEST:

\_\_\_\_\_  
REGINA McEVOY  
BOARD CLERK

\_\_\_\_\_  
TOM HANDLEY  
SECRETARY

APPROVED:

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MANNY FERNANDEZ  
PRESIDENT

Adopted this 22<sup>nd</sup> day of April, 2024



# Union Sanitary District

Monthly Operations Report  
March 2024



# Table of Contents

## 2024 MONTHLY OPERATIONS REPORT

The March 2024 Monthly Operations Reports highlights the District's performance in the following areas:

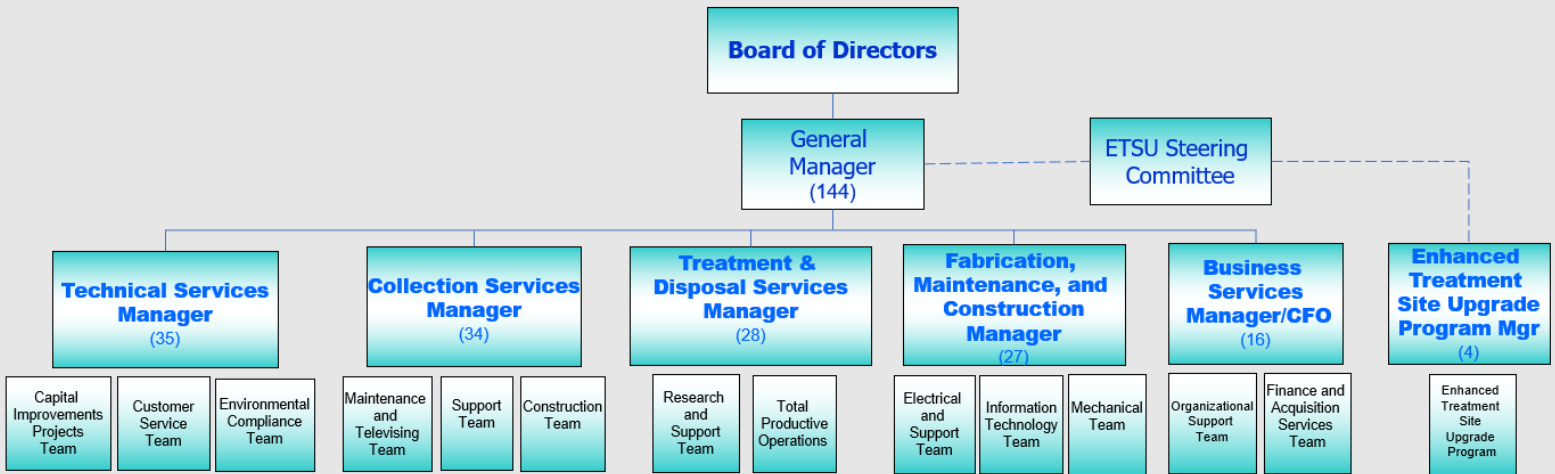
- **Organizational Overview**
- **Financial Reports**
  - Budget and Finance Report
  - Investment Portfolio
  - Portfolio Holdings by Asset Class and by Maturity Range
- **Customer Relations**
  - Odor Investigations and Response
  - Service Request and Response
  - Communication and Outreach
- **Plant Operations**
- **Maintenance Report**
  - Collection System
  - Plant and Pump Stations
  - Information Technology
- **Capital Improvement Projects (CIP) Report**
  - Current Construction Projects
  - Studies and Designs
- **Permitting and Inspections**
- **Staffing and Personnel**



# Organizational Overview

## 2024 MONTHLY OPERATIONS REPORT

**Union Sanitary District** operates a 33-acre wastewater treatment facility in Union City and provides collection, treatment, and disposal services to a total population of over 356,000 in Fremont, Newark and Union City, California. The District maintains over 839 miles of underground pipeline in its service area.



### Executive Team

Paul Eldredge	General Manager/District Engineer	Oversees District operations and liaison to the Board of Directors
Mark Carlson	Business Services/CFO	Includes Finance, Purchasing, Human Resources, and Safety
Jose Rodrigues	Collection Services	Maintains, and repairs the sewer lines and manholes throughout the service area
Raymond Chau	Technical Services	Permits and inspections, pretreatment program, and capital improvements
Armando Lopez	Treatment and Disposal Services	Operates the treatment plant, process and analyze wastewater samples
Robert Simonich	Fabrication, Maintenance, and Construction	Information technology, equipment installation, service, repair for the plant and pump stations





# Financial Report

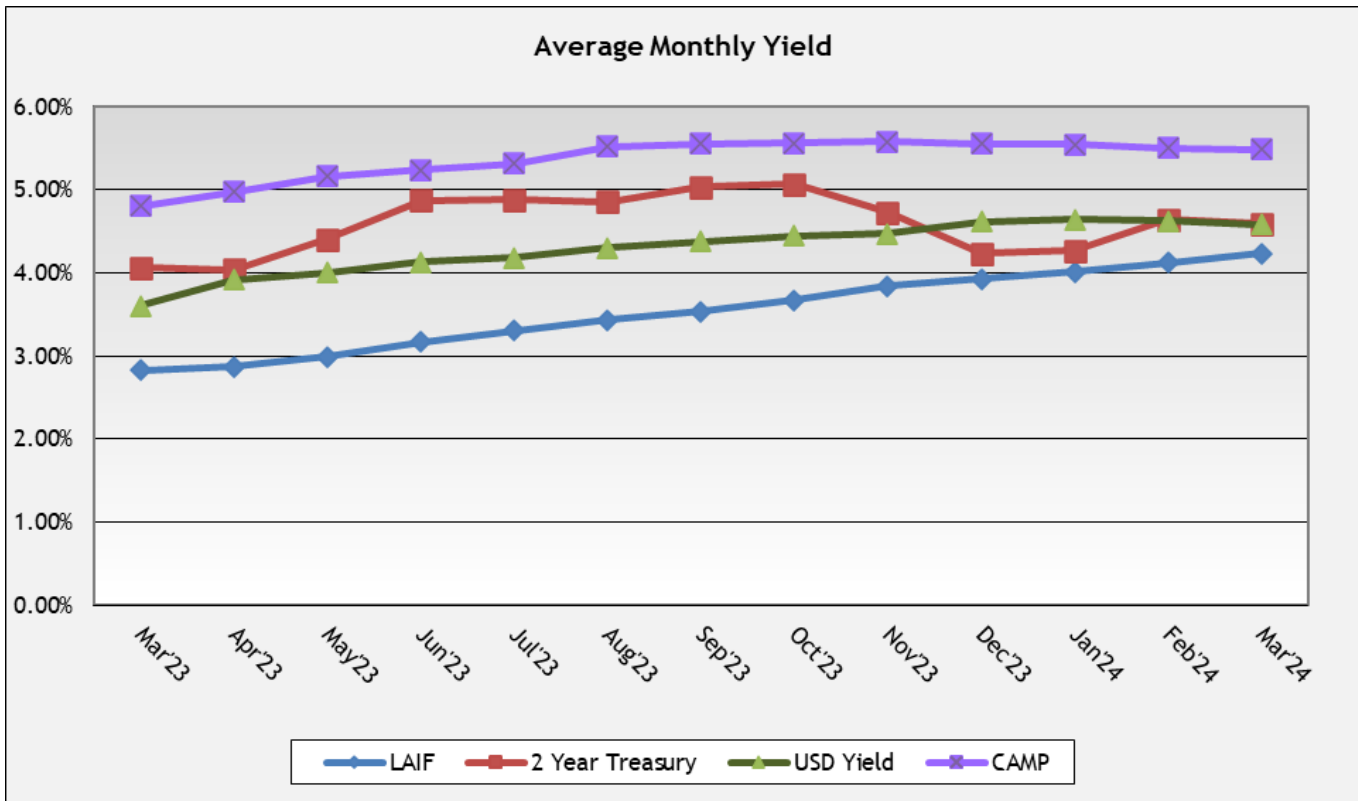
# 2024 MONTHLY OPERATIONS REPORT

## Total Revenues and Expenditures

FY 2024	Year-to-date as of 3/31/2024		75% of year elapsed	Audited Last Year Actuals 6/30/23
<u>Revenues</u>	Budget	Actual	% of Budget Rec'd	
Capacity Fees	\$ 8,420,000	\$ 2,181,701	26%	\$ 7,371,192
Sewer Service Charges	84,200,000	43,039,771	51%	77,986,322
Operating (Includes work groups and fund 85)	1,353,500	954,874	71%	1,372,027
Interest	3,850,000	7,124,632	185%	5,736,464
Misc. (Annex fees, forfeited deposits)	11,276	15,284	136%	654,626
<b>Subtotal Revenues</b>	<u>\$ 97,834,776</u>	<u>\$ 53,316,262</u>	<u>54%</u>	<u>\$ 93,120,631</u>
SRF Funds Draw Down (Standby Power)	12,296,700	20,830,844	169.4%	-
<b>Total Revenues + Bond Proceeds</b>	<b>\$ 110,131,476</b>	<b>\$ 74,147,106</b>	<b>67%</b>	<b>\$ 93,120,631</b>
<u>Expenses</u>	Budget	Actual	% of Budget Used	Audited Last Year Actuals 6/30/23
Capital Improvement Program:				
Capacity Proj.	\$ 13,948,200	\$ 13,526,879	97%	\$ 10,249,515
Renewal & Repl. Proj.	71,055,900	43,179,268	61%	56,652,197
Operating (includes fund 85)	55,246,877	39,416,200	71%	49,798,555
Special Projects	4,154,384	428,308	10%	855,302
Retiree Medical (ADC)	1,475,000	1,333,770	90%	404,259
115 Pension Trust	6,400,000	2,560,000	40%	-
Vehicle & Equipment	187,300	72,135	39%	176,662
Information Systems	1,199,800	672,598	56%	542,449
Plant & Pump Stat. R&R	400,000	217,744	54%	308,301
Emerg. Fund	-	-	0%	-
Cty Fee for SSC Admin.	124,000	56,612	46%	112,512
Debt Servicing:				
SRF Loans	-	-	0%	-
Bonds	9,017,080	9,692,638	107%	8,964,016
WIFIA	17,000	18,100	106%	17,000
Debt Issuance	100,000	-	0%	-
<b>Total Expenses</b>	<u>\$ 163,325,541</u>	<u>\$ 111,174,250</u>	<u>68%</u>	<u>\$ 128,080,768</u>
<b>Total Revenue &amp; Proceeds less Expenses</b>	<b>\$ (53,194,065)</b>	<b>\$ (37,027,145)</b>		<b>(34,960,137)</b>

# Investment Portfolio

## Performance Measures for the USD Investment Portfolio



	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24
<b>LAIF</b>	<b>3.84%</b>	<b>3.93%</b>	<b>4.01%</b>	<b>4.12%</b>	<b>4.23%</b>
<b>2 Year Treasury</b>	<b>4.73%</b>	<b>4.23%</b>	<b>4.27%</b>	<b>4.64%</b>	<b>4.59%</b>
<b>USD Yield</b>	<b>4.47%</b>	<b>4.61%</b>	<b>4.64%</b>	<b>4.63%</b>	<b>4.58%</b>
<b>CAMP</b>	<b>5.58%</b>	<b>5.55%</b>	<b>5.54%</b>	<b>5.50%</b>	<b>5.48%</b>

LAIF: Local Agency Investment Fund Yield

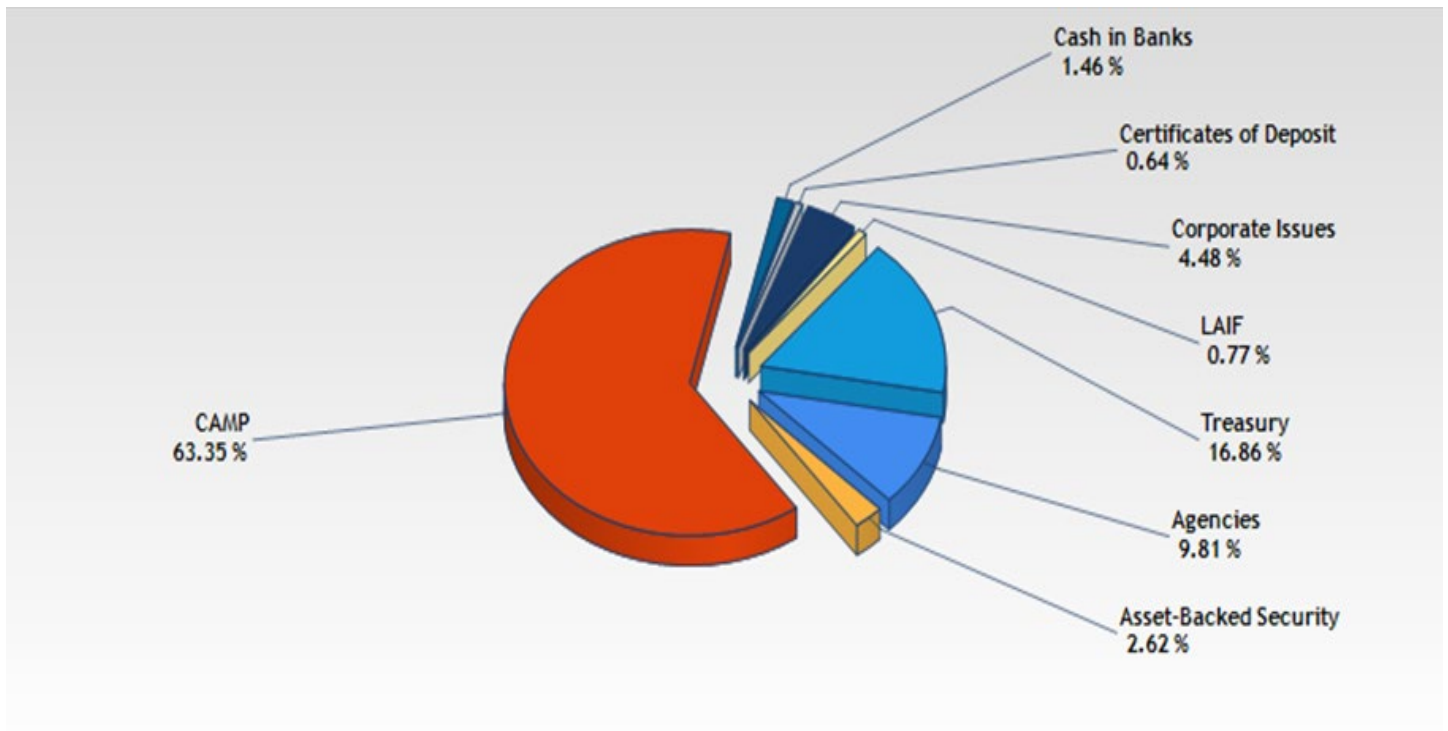
2 Year Treasury: Yield for investing in 2-Year U.S. Treasury security

USD Yield: Summarizes USD portfolio's yield

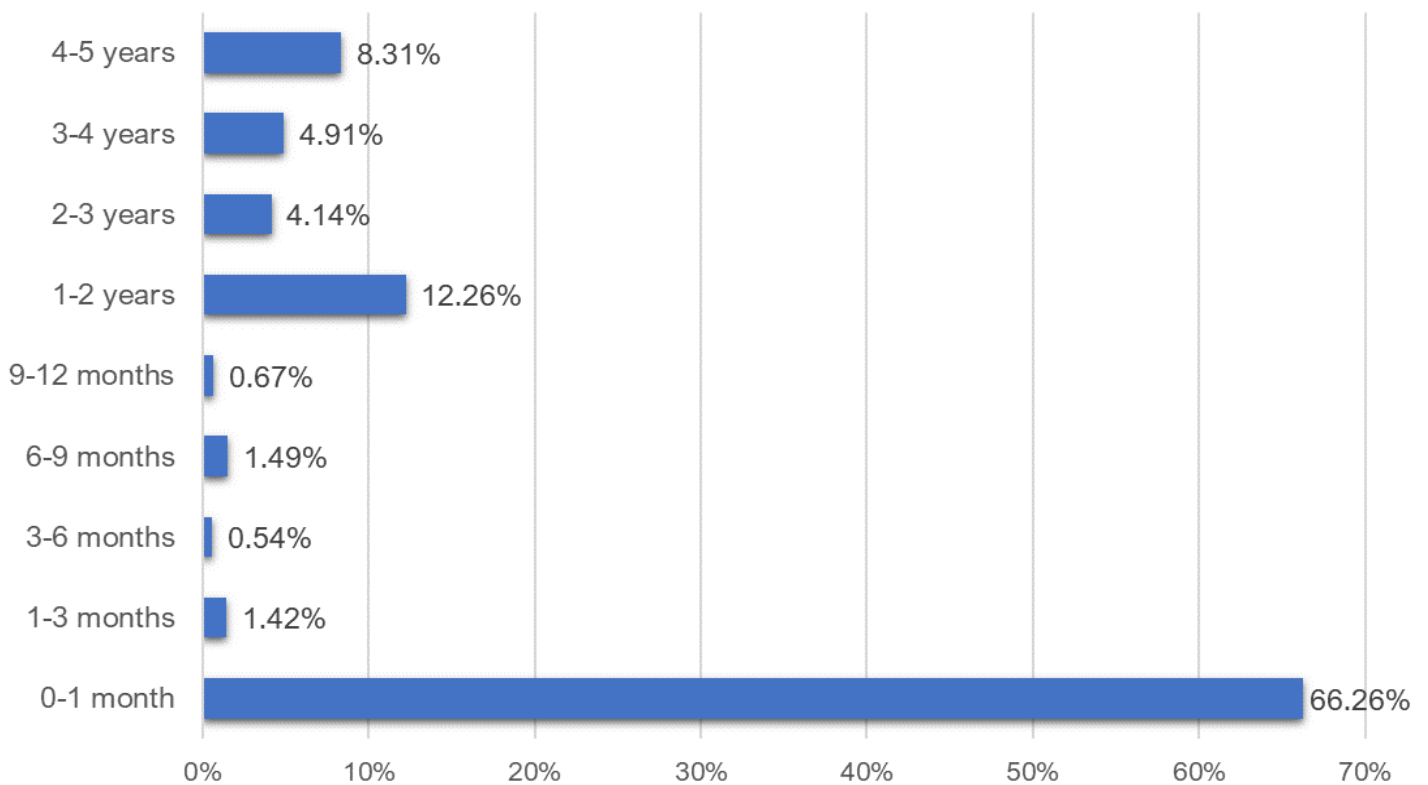
CAMP: California Asset Management Program Yield

# Portfolio Holdings by Asset Class and by Maturity Range

## Portfolio Holdings Distribution by Asset Class



## Portfolio Holdings Distribution by Maturity Range



# PARS Post-Employment Benefits Trust

Report for the period of: 03/31/2024

## Account Summary:

Source	Balance as of 03/01/2024	Contributions	Earnings	Expenses	Distributions	Transfers	Balance as of 03/31/2024
Pension	\$3,056,935.15	\$853,333.00	\$68,464.35	\$(1,256.52)	\$0.00	\$0.00	\$3,977,475.98
Pension- Conserve	\$426,728.21	\$426,667.00	\$4,000.10	\$(88.90)	\$0.00	\$0.00	\$857,306.41
Pension- Capital App	\$972,768.21	\$0.00	\$26,347.77	\$(474.09)	\$0.00	\$0.00	\$998,641.89
<b>Totals</b>	<b>\$4,456,431.57</b>	<b>\$1,280,000.00</b>	<b>\$98,812.22</b>	<b>\$(1,819.51)</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$5,833,424.28</b>

## Investment Selection

Source	
PENSION	Union Sanitary District
PENSION – CONSERV	Union Sanitary District – Conservative
Pension – Capital App	Union Sanitary District – Cap App

## Investment Objective

Source	
PENSION	Individual account based on Moderate – Index. The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.
PENSION – CONSERV	Individual account based on Conservative – Index. The primary goal of the Conservative Strategy is to provide a consistent level of inflation-protected income over the long-term. The major portion of the assets will be fixed income related. Equity securities are utilized to provide inflation protection.
PENSION – CAPITAL APP	Individual Account based on the Capital Appreciation – Index. The primary goal of the Capital Appreciation objective is growth of principal. The major portion of the assets are invested in equity securities and market fluctuations are expected.

## Investment Return:

### Annualized Return

Source:	1-Month	3-Months	1-Year	3-Years	5-Years	10-Years	Plan Inception Date
PENSION	2.03%	3.40%	12.02%				03/23/2022
PENSION – CONSERVE	0.69%						2/28/2024
PENSION – CAPITAL APP	2.71%	5.66%	17.26%				03/23/2022

Information is provided by US Bank, Trustee for PARS; Not FDIC Insured; No Bank Guarantee; May Lose Value

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

Account balances are inclusive of Trust Administration, Trustee and Investment Management fees

## Union Sanitary District Odor Map and Report

During the recording period between March 1, 2024 through March 31, 2024, there were no odor related service request(s) received by the District.

# Union Sanitary District Odor Map and Report



## Legend

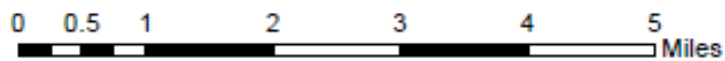
### Odor Complaints: March 2024

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (0)
- ▲ No odor found (0)

### Odor Complaints: Apr. 2023 to Feb. 2024

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (5)
- ▲ No odor found (12)

## Location of Odor Reports April 2023 to March 2024





# Customer Relations

## 2024 MONTHLY OPERATIONS REPORT

### Customer Service Response

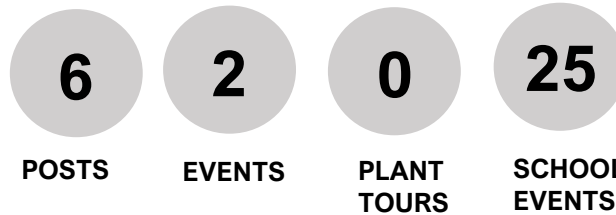
#### Front Desk Trouble Calls

Service calls that require immediate attention to support customer needs. Dispatched from the Front Desk during business hours.

Total Calls	Fremont	Newark	Union City	Total
Mar-24	7	1	1	9
Feb-24	12	3	1	16
Jan-24	9	3	0	12
Dec-23	8	0	1	9
Nov-23	7	3	1	11
Oct-23	9	1	1	11
6 Month Total				68
Mar-23	14	5	1	20

### Communication and Outreach

Includes participation in local events, social media communication, plant tours, and school outreach events.



#### Social Media Posts:

- What Is That? Combo Unit explanation
- Don't Flush Medicines
- ALCO Science and Engineering Fair Special Award for Excellence in Water Research info
- Alameda County Clean Water Program grant information
- Chemist I/II recruitment
- Customer Service Fee Analyst recruitment

#### Events:

- 1 presentation at James Logan High School on March 15<sup>th</sup> for their 5 AP Environmental Science classes
- IAC meeting on March 28<sup>th</sup>

#### Other Activities:

- Participated in ALCO Science and Engineering Fair Award Ceremony preparation (wrote script for in-person representative of 9 water/wastewater agencies), Chemist II John Seo participated as judge



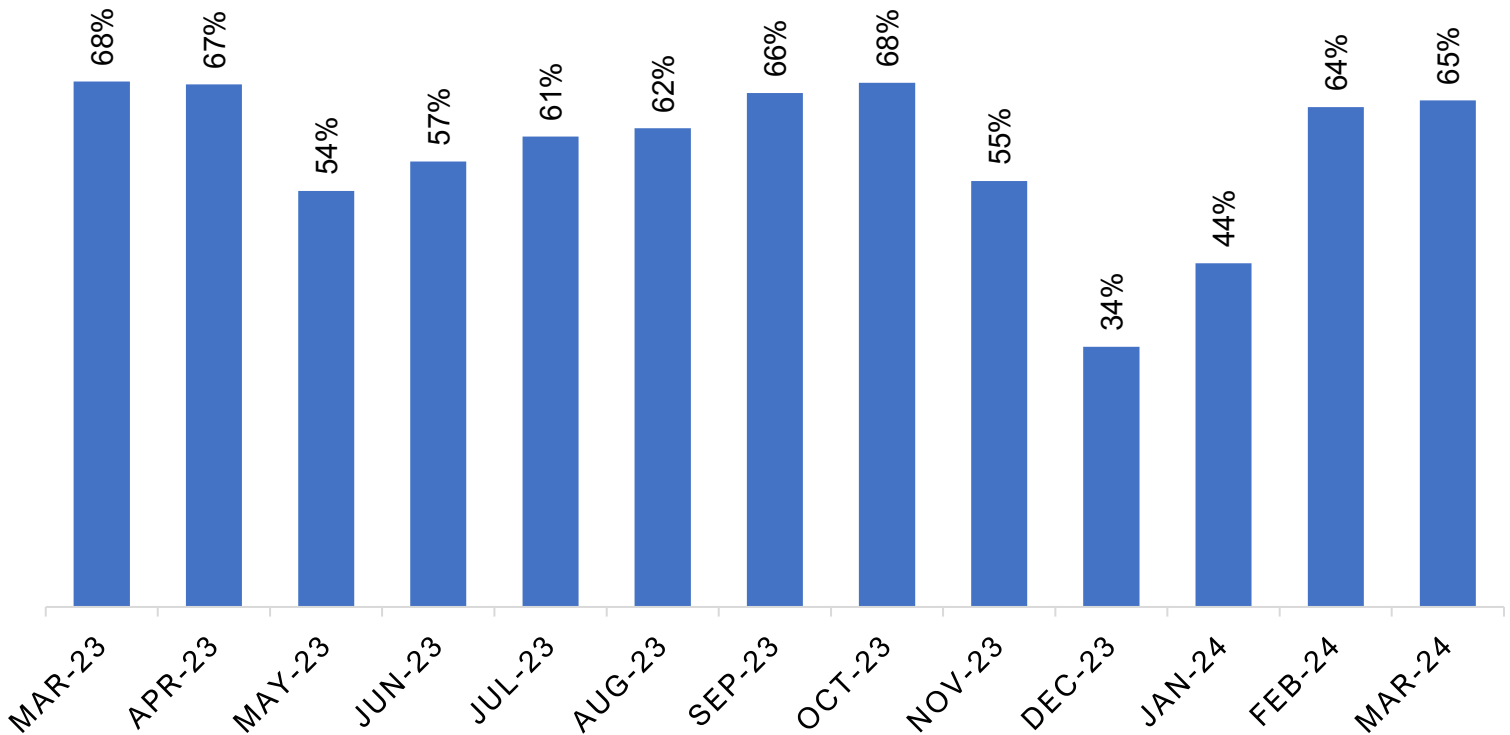
# Plant Operations

## 2024 MONTHLY OPERATIONS REPORT

### Cogeneration Engines at USD's Wastewater Treatment Plant

The chart below shows the percentage of Plant power usage generated by the District's cogeneration (cogen) engines monthly. The engines use biogas produced by the wastewater treatment process as the primary fuel to generate the majority of the plant's power needs, reducing operating costs.

Cogen Power Produced (% of total Plant load)



Mechanics working on the cogeneration engine





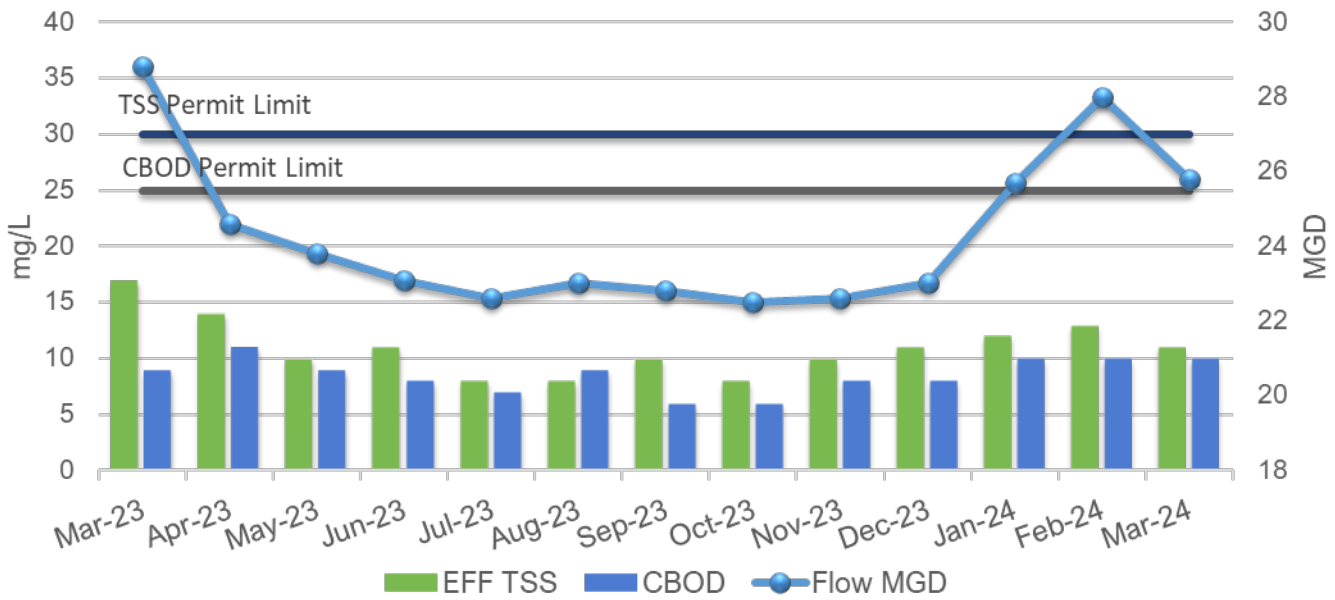
# Plant Operations

## 2024 MONTHLY OPERATIONS REPORT

### Lab Monitoring Results

USD's laboratory staff process over 6,200 samples and perform about 17,000 analyses every year to ensure discharges from the plant meet necessary standards.

Lab Results and Effluent Flow



**EFF SS:** Effluent Suspended Solids     **CBOD:** Carbonaceous Biochemical Oxygen Demand     **MGD:** Million Gallons per Day

### USD's Final Effluent Monthly Monitoring Results

Parameter	Permit Limit	Jan-24	Feb-24	Mar-24
Copper, µg/l	53	3.6	5.1	7.8
Mercury, µg/l (quarterly)	0.066	NA	0.0031	NA
Cyanide, µg/l	20	ND 1.1	ND 1.1	ND 1.1
Ammonia- N, mg/L (Range)	86	32 - 40	31 - 39	41 - 46
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	31 - 48	28 - 37	22 - 35
• 11-Sample 90th Percentile	1100	111 - 61	56 - 93	93 - 93
Enterococci				
• 6-Week Rolling Geometric Mean	280	53	60	56

E = Estimated Value, concentration outside Calibration Range.  
 ND = Not Detected, result is below Detection Limit.



# Maintenance Report

## 2024 MONTHLY OPERATIONS REPORT

### Collection System Performance Report

#### Average Spills per 100 Miles of Sewer Over the Last 12 Months USD vs. Regional vs. State

**NO DATA AVAILABLE FOR MARCH 2024**

**NOTE:** At the time of publication, the California State Water Resources Control Board spill reporting tool that is used to compile spill comparison data was not available. The state has been contacted and responded that the reporting tool has been taken down temporarily to update the report to include data from the new SSO General Order.

### Collection System Maintenance Work Completed

The Collection Services Workgroup maintains over 839 miles of gravity sewer through cleaning and televised inspection. They also service 63 District vehicles and maintain 3 buildings. Maintenance of equipment is completed by staff through sewer line repairs and work orders.

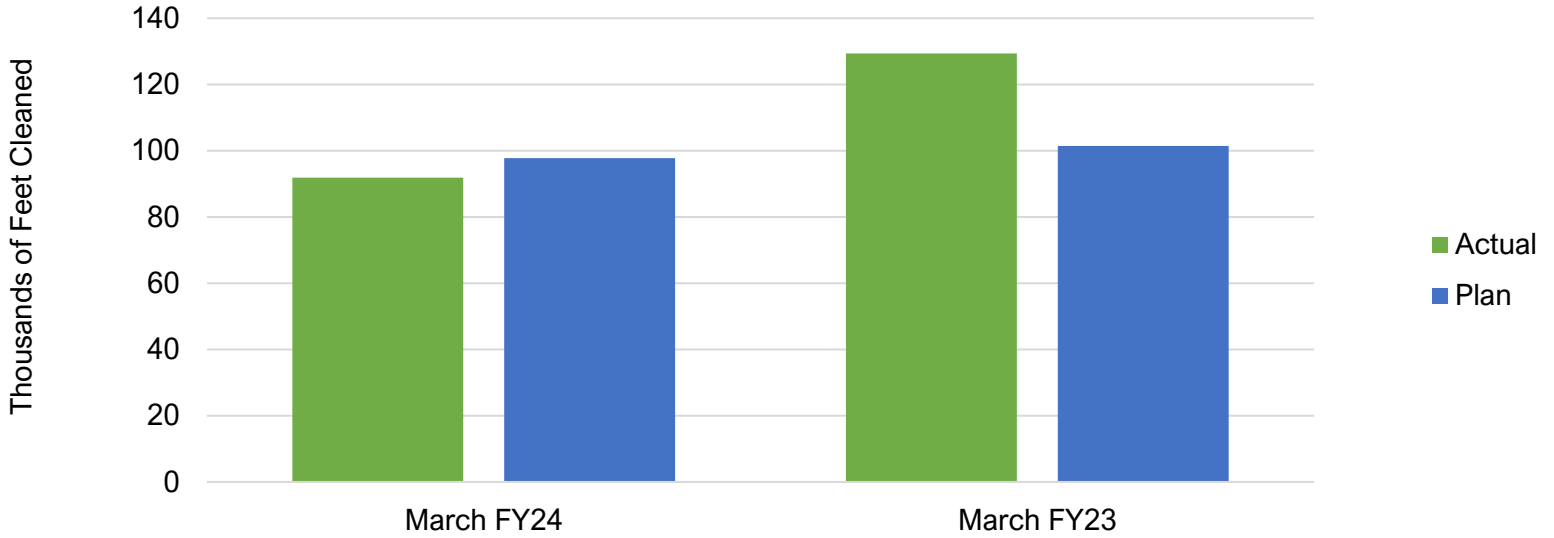
	This Month	Fiscal Year to Date	Historical Monthly Average
Sewer Line Repairs - # of Open Trench	0	5	0
Sewer Line Repairs - # of Trenchless	10	133	14
Work Orders Completed on Vehicles and Buildings	165	1586	177



# Maintenance Report

## 2024 MONTHLY OPERATIONS REPORT

### Sewer Line Cleaning



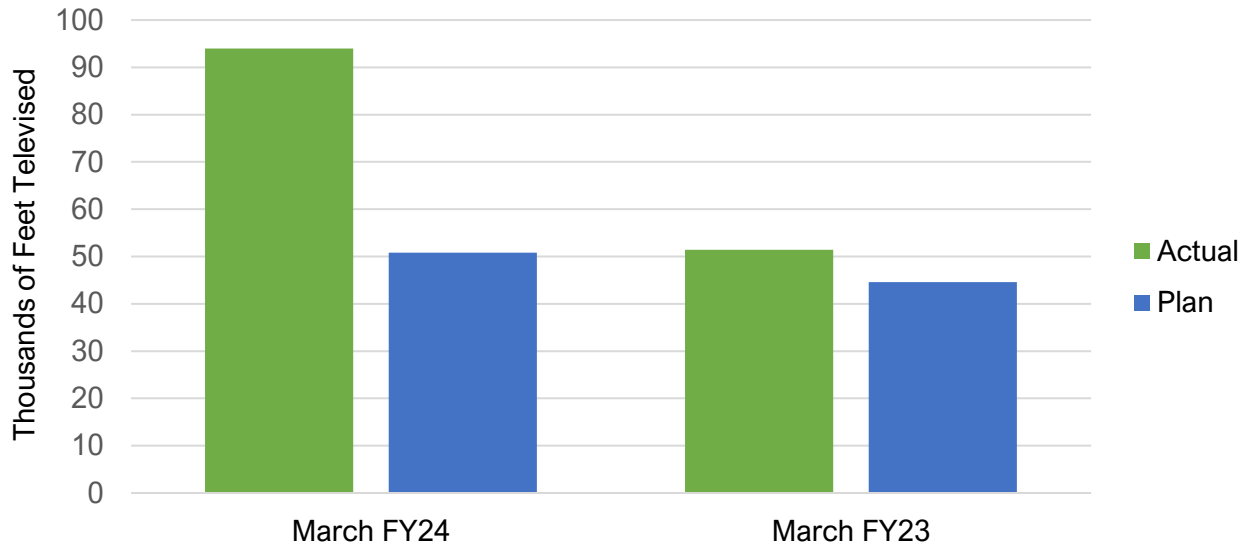
Cleaning Cost per Foot=\$0.84										
Description	FY24 Qtr 1 Footage	FY24 Qtr 2 Footage	Jan-24 Footage	Feb-24 Footage	Mar-24 Footage	FY24 Q3 Footage	FY24 YTD	Historical FY23	FY24 YE Goal	% Completed to Plan
84 Month Hydro-Jet Clean	162,988	112,694	52,006	58,173	45,864	156,043	431,725	589,507	680,354	63.5%
Selective Line Cleaning	63,183	42,725	30,997	19,025	17,333	67,355	173,263	211,253	216,307	80.1%
Special Condition Clean (not in total)	9,383	8,652	2,072	4,366	21,717	28,155	46,190	36,554	28,940	159.6%
Root Control/Chemical Clean	12,073	110,643	39,408	42,818	28,663	110,889	233,605	420,273	277,200	84.3%
Cast Iron Cleaning	-	-	-	-	-	-	-	7,498	-	0.0%
<b>Totals</b>	<b>238,244</b>	<b>266,062</b>	<b>122,411</b>	<b>120,016</b>	<b>91,860</b>	<b>334,287</b>	<b>838,593</b>	<b>1,228,528</b>	<b>1,173,861</b>	<b>71.4%</b>



# Maintenance Report

## 2024 MONTHLY OPERATIONS REPORT

### Sewer Line Inspection and Televising



Televising Cost per Foot=\$0.72										
Description	FY24 Qtr 1 Footage/Count	FY24 Qtr 2 Footage/Count	Jan-24 Footage/Count	Feb-24 Footage/Count	Mar-24 Footage/Count	FY24 Qtr 3 Footage/Count	FY24 YTD	Historical FY23	FY24 Goal	% Completed to Plan
84 Month TV Inspection	92,765	106,435	28,638	44,828	58,957	132,468	331,668	478,376	530,567	62.5%
84 Month Manhole Inspection Count	629	587	235	258	166	659	1,875	2,563	2,676	70.1%
Visual/Condition, Pre/Post Cnst TV (not in total)	64	753	398	488	-	886	1,703	10,483	11,704	14.6%
Visual Manhole Inspection Count (not in total)	42	124	94	41	-	135	301	247	-	-
New Development, CIP, Misc (not in total)	1,318	3,649	398	931	-	1,329	6,296	25,583	28,261	22.3%
QA/QC Line Condition	-	-	-	17,420	35,022	52,442	52,442	16,436	52,843	99.2%
QA/QC Root Control	28,335	-	-	-	-	-	28,335	41,050	27,744	102.1%
<b>Totals</b>	<b>121,100</b>	<b>106,435</b>	<b>28,683</b>	<b>62,248</b>	<b>93,979</b>	<b>184,910</b>	<b>412,445</b>	<b>535,862</b>	<b>611,154</b>	<b>67.5%</b>

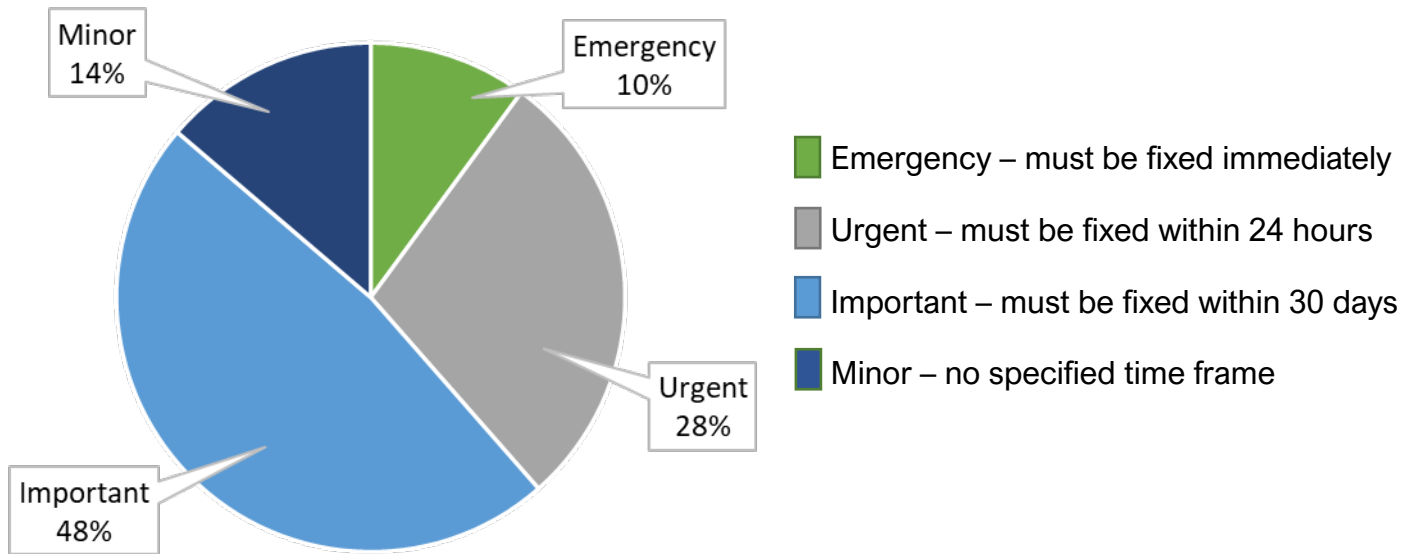


# Maintenance Report

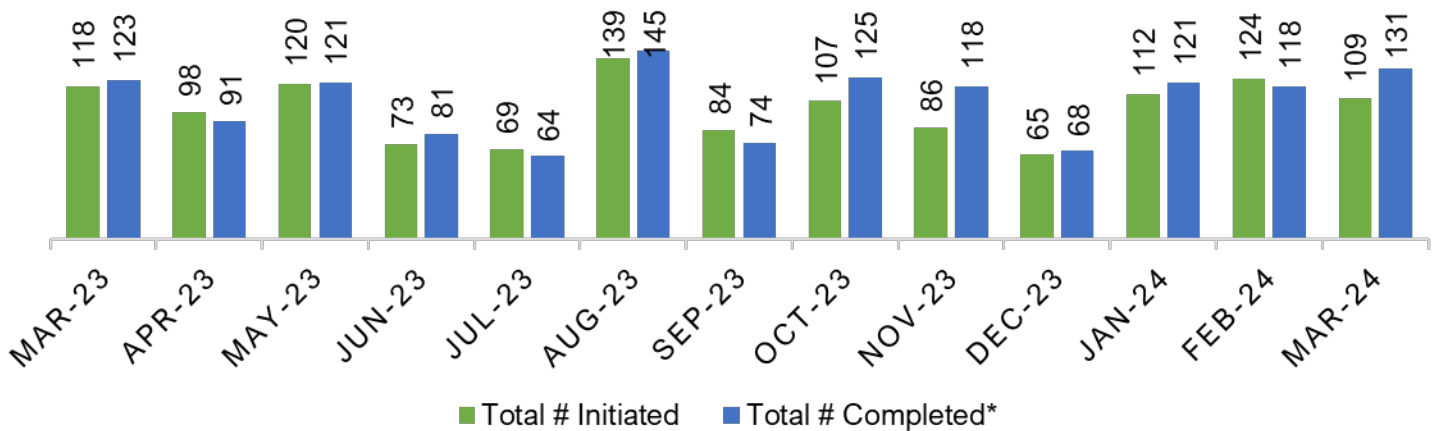
## 2024 MONTHLY OPERATIONS REPORT

### Plant and Pump Stations Maintenance Work Completed

Equipment at our Plant and Pump/Lift stations is maintained by mechanics and other staff through completion of work orders. Staff completed 97.87% of preventative maintenance activities for the month in addition to the following shown below.



### Work Orders Initiated and Completed



\*The number of work orders completed in a month is dependent upon several factors including the availability of necessary parts and the amount of time required by staff to accomplish a given task.



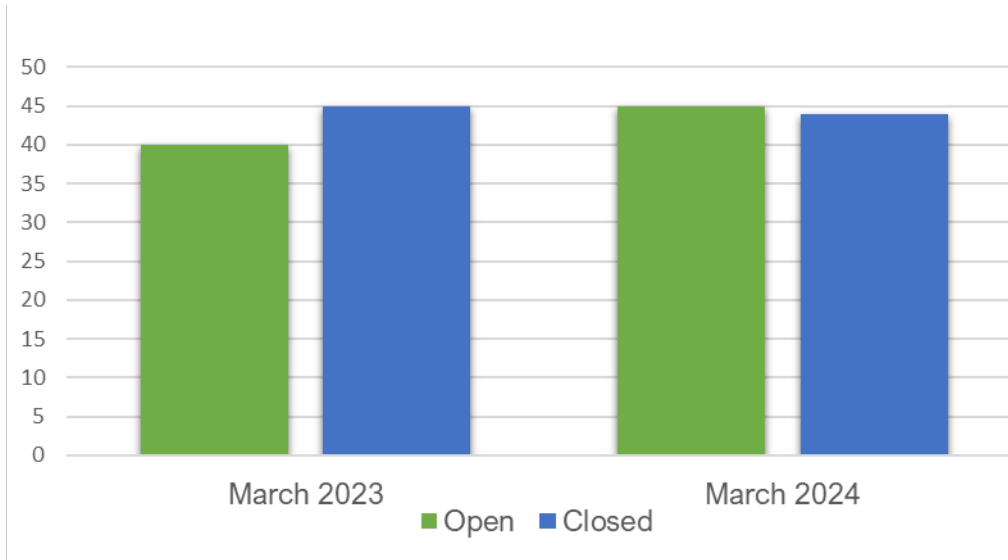
# Maintenance Report

## 2024 MONTHLY OPERATIONS REPORT

### Information Technology

USD’s Information Technology (IT) staff install, upgrade, and maintain District computers and software systems. IT staff responsibilities include ongoing maintenance of systems critical to operation of our wastewater treatment plant and pump stations.

#### IT Help Desk Tickets



#### Managed and Hosted IT Asset Uptime

Asset Name	USD Managed or Hosted by Third Party	% Up time
USD Website	Hosted	99.99%
Email Server	Hosted	100%
Newark Pump Station	USD Managed	99.99%
Boyce Pump Station	USD Managed	99.98%
Irvington Pump Station	USD Managed	100%
SCADA	USD Managed	100%
Total Average of All USD Servers	USD Managed	99.95%

The majority of our IT network assets are maintained onsite by IT staff with an uptime target of 99.90%. Additional assets, such as the USD website, are hosted externally by a third party.



# Capital Improvement Projects

## 2024 MONTHLY OPERATIONS REPORT

### Capital Improvement Project (CIP) Activities

Our engineers manage and coordinate project activities including completion of studies, designing of future projects, and project management of construction work at our Plant, Pump Stations, gravity sewer network, and Force Mains.

### Current CIP Projects – Budget and % complete

Current (FY24) CIP Projects	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Alvarado Influent Valve Box Rehabilitation Project	\$1,297	\$0	12/24	0%
2 – Force Main Corrosion Repairs Project – Phase 4	\$2,042	\$0	10/24	7%
3 – Plant Miscellaneous Improvements Project	\$5,544	\$2,181	9/24	35%
4 – Standby Power Generation System Upgrade Project	\$21,135	\$18,800	6/24	89%



Standby Power Generation System Upgrade Project



# Capital Improvement Projects

## 2024 MONTHLY OPERATIONS REPORT

### Design Phase – Budget and % of Completed Scope

Current (FY24) Design Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Force Main Stabilization at Alameda Creek Project	\$114	\$0	10/24	0%
2 – FY24 Gravity Sewer Rehabilitation/ Replacement Project	\$153	\$0	8/24	0%
3 – Pump Stations Chemical System Improvements Project	\$943	\$897	12/23	95%
4 – Switchboard No. 3 and MCC No. 25 Replacement Project	\$95	\$80	7/22	82%
5 – WAS Thickener Replacement Project	\$1,017	\$958	6/23	95%

### Study Phase – Budget and % of Completed Scope

Current (FY24) Study Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Alvarado Basin Capacity and Condition Assessment	\$399	\$139	11/24	35%
2 – Co-Digestion Feasibility Study	\$125	\$54	3/24	40%
3 – Cogeneration Replacement and Ventilation Study	\$142	\$137	7/22	98%
4 – Digester Efficiency Study	\$353	\$208	11/23	85%
5 – Energy Resiliency Study	\$256	\$271	12/22	98%
6 – Force Main Condition Assessment	\$121	\$60	10/22	70%
7 – Headworks Degritting Study	\$200	\$191	10/22	99%
8 – Primary Digester No. 8 Feasibility Study	\$111	\$139	9/22	90%





# Permitting and Inspections

## 2024 MONTHLY OPERATIONS REPORT

### Sewer Permits Issued

Permits issued upon approved completed plans.

Month	Repairs	Mains	New Laterals*	Secondary Units	Other**	Total
Mar-24	17	1	16	14	1	49
Feb-24	23	0	15	7	4	49
Jan-24	15	0	12	6	1	34

\*New residential lateral connections

\*\*Non-residential construction

### Storm Water Inspections (City of Fremont)

Under contract with City of Fremont’s Environmental Services Group, our inspectors conduct routine inspections and document enforcement actions.

Total Inspections		Total Monthly Enforcements						
Current Month	Fiscal Year to Date	Verbal Warning	Warning Letter	Notice of Violation	Admin Fine	Legal Action	Notice of Deficiency	Total
86	836	4	0	0	13	2	0	19

### Pollution Prevention Inspections

Environmental Compliance conducts pollution prevention inspections at restaurants, car wash businesses, and other commercial facilities.

Total Inspections		Total Monthly Enforcements						
Current Month	Fiscal Year to Date	Verbal Warning	Warning Letter	Notice of Violation	Admin Fine	Legal Action	Notice of Deficiency	Total
73	561	7	5	0	0	0	1	13

### Permitted Industrial Businesses

City	Industrial Permits
Fremont	59
Newark	11
Union City	11

Examples of Permitted Industrial Businesses:

- Tesla
- Washington Hospital
- US Pipe
- Western Digital
- Lam Research



# Staffing and Personnel

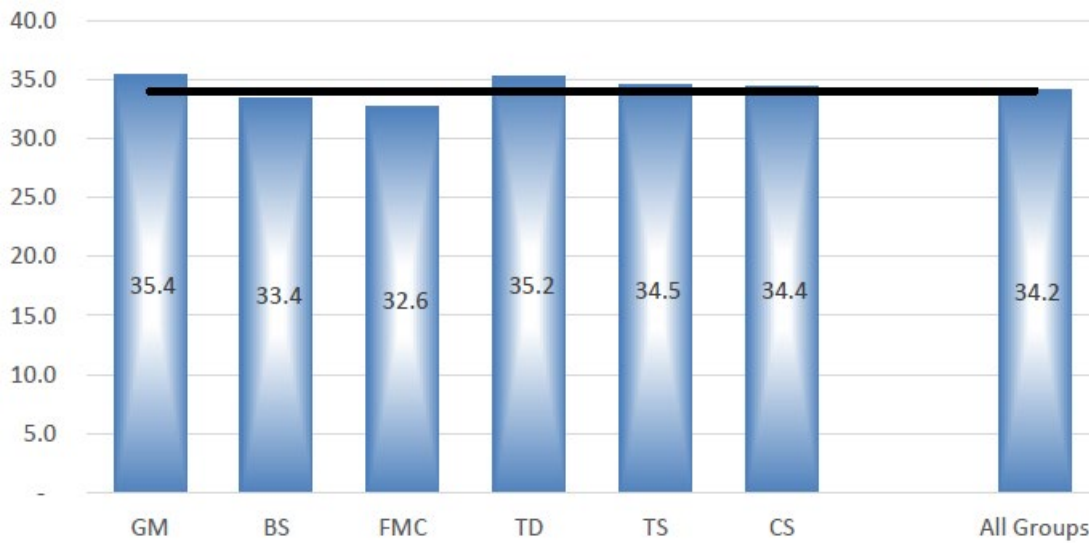
## 2024 MONTHLY OPERATIONS REPORT

### Hours Worked and Leave Time by Work Group

June 22, 2023 through March 27, 2024

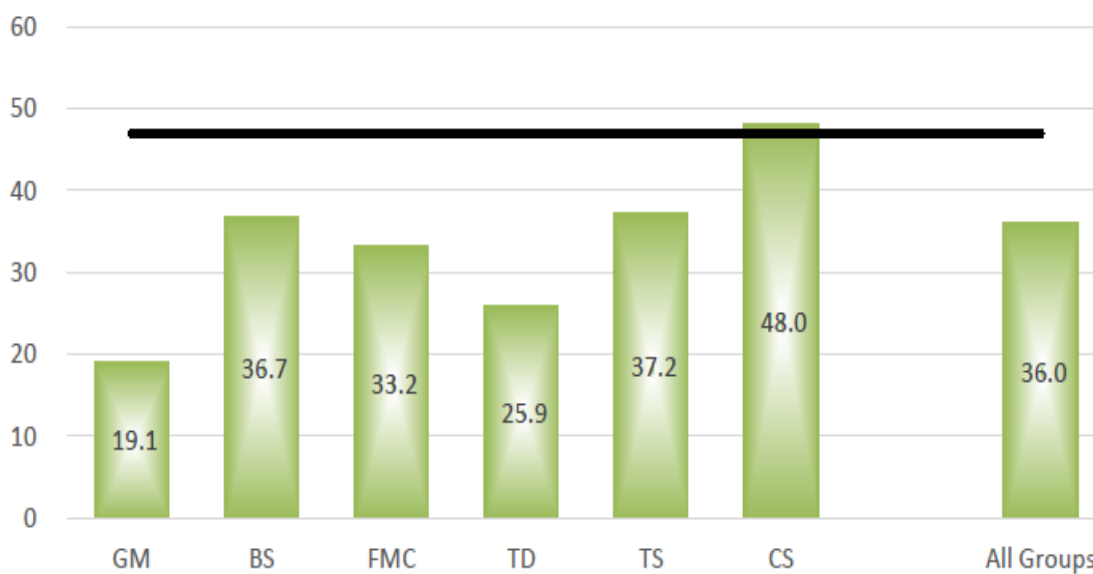
Weeks to Date 40 out of 52 (76.9%)

#### At-Work Hours Per Employee Per Week



Target is 34

#### Average Annual Sick Leave Used Per Employee Per Date



Target is 47



# Staffing and Personnel

## 2024 MONTHLY OPERATIONS REPORT

### Recruitments

Position	Position Posted	Status
Assistant/Associate/Sr. Process Engineer	11/1/2023	Grace Calanog, Assistant Process Engineer. Promotion 3/23/2024.
Environmental Compliance Inspector I/II	11/28/2023	Eduardo Cabrera, EC Inspector II, DOH 5/6/2024.
ETSU Junior/Assistant/Associate Engineer – Limited Duration (2 positions)	1/5/2024	James Wang, Associate Engineer, DOH 5/6/2024. Junior Engineer candidate in background process.
Collection Systems Worker I	1/9/2024	Cody Bybee, CSW I, DOH 4/8/2024.
Mechanic I	1/19/2024	Phil Kim, Mechanic I, status change 4/6/2024.
Chemist I/II	3/21/2024	In process.
Customer Service Fee Analyst	3/28/2024	In process.
Mechanic I/II – Limited Duration	3/29/2024	Useable List. Candidate in background process.

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #12**

**TITLE:** **Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for a Credit to Change New Pipe Materials for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project (*to be reviewed by the Engineering and Information Technology Committee*)**

***(Motion Item)***

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager  
Gus Carrillo, Enhanced Treatment and Site Upgrade Assistant PM  
ETSU Steering Committee (Armando Lopez, Raymond Chau, Robert Simonich)

**Recommendation**

Staff recommends the Board authorize the General Manager to execute contract change order No. 9 with W. M. Lyles Co. (WML) in the credit amount of \$520,594 for savings associated with the change of new pipe materials for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications (Project).

**Discussion**

The Board Awarded the construction contract for the Project to WML on January 10, 2022 for \$121,040,200.90. The Project includes numerous improvements to the aeration system in the plant and includes over two thousand feet of new ductile iron pipe ranging in diameter from 4” to 42”.

At the time of bid opening, ductile iron pipe manufacturers were experiencing major supply chain issues which was substantially driving up costs and delivery time. The contractor asked the District to consider a value engineering proposal to use alternative pipe materials. The contractor proposed using stainless steel piping in lieu of ductile iron pipe in nearly all locations with some locations substituted with epoxy coated welded steel pipe.

Stainless steel pipe is historically more expensive than ductile iron pipe and generally has better corrosion resistance over time. In many applications, stainless steel pipe would be the preferred alternative, however, ductile iron pipe is more commonly specified in designs as it is often more cost effective. In this instance the District is able to acquire a better long term pipe material at a savings over what was originally planned in the contract.

### Change Order

The proposed change order credit totals \$520,594. Staff believes this is reasonable given the value engineering nature of the proposal. With value engineering proposals the District and the contractor share the savings from the proposal.

This proposed change order will bring the total change orders executed to date on this project to (\$36,977.60) or -0.03% of the contract amount. A summary of the change orders to date can be found in Table 1 attached to this report.

### **Background**

The ETSU Program is the culmination of the District’s planning efforts and is based on the outcomes and findings of the Plant Solids System/Capacity Assessment – Phases 1 and 2, Administration/Control/FMC Buildings Evaluation, the Effluent Management Study and the Secondary Treatment Process Improvements evaluation. The Program includes projects recommended for implementation that will be phased to address both immediate drivers (poor sludge settleability, treatment capacity, effluent disposal and aging infrastructure), while preparing for future requirements such as nutrient regulations for discharge in the Bay that are currently being considered by the Regional Water Quality Control Board.

The Phase 1 and 2 projects included in this program were presented to the Board during the workshop held on May 8, 2019 and are summarized in the Final Report which was approved by the Board on August 26, 2019. A third phase of projects was briefly outlined that covered the timeframe from 2040 to 2058 and included potentially stricter nutrient limits in the more distant future. The projects identified in the ETSU Program and modified by the 30% design report to be implemented in the near-term (the next seven to ten years) are included in Phase 1 and are summarized in the table below.

Phase 1A	Aeration Basin Modifications	Retrofitting existing Aeration Basins 1 through 7 and construction of an 8 <sup>th</sup> aeration basin with the flexibility to operate initially with an anaerobic selector during the implementation phase and transitioning to a biological nutrient removal (BNR) process following completion.
Phase 1A	Campus Building (Admin, FMC, Ops)	Construction of a new combined Campus Building, including associated site and utility improvements.
Phase 1B	Secondary Clarifiers	Construction of four new 160-foot diameter secondary clarifiers, mixed liquor control box, and centralized RAS pump station.
Phase 1B	Effluent Facilities	Construction of new chlorination/dechlorination contact basins, effluent pump stations, and relocation of existing effluent force main.
Phase 1C	Plant Equalization	Retrofitting existing Secondary Clarifiers 1 through 4 to

	Storage	operate as primary effluent equalization basins.
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The full version of the ETSU Program report, including appendices, can be found at the following link: <https://unionsanitary.ca.gov/ETSU>.

ETSU Phase 1A Project

Staff developed a Phase 1A Project scope which includes the Aeration Basin Modifications project and the Campus Building project. These two projects were being designed together for the initial construction because they are the first two concurrent projects that must be constructed to facilitate the construction of the remainder of Phase 1 program. However, due to a number of factors including the Covid 19 pandemic the design of the Aeration Basins Modifications Project was able to be completed prior to the Campus Building Project.

The major scope items for the Aeration Basin Modifications Project are as follows:

- Retrofit Aeration Basins 1 through 7 to initially operate with an anaerobic selector to improve settling and then transition to a Biological Nutrient Removal (BNR) process to remove nutrients at the conclusion of Phase 1B. This work includes but is not limited to the following:
- Construct new Aeration Basin 8 Replace Roof Deck for Aeration Basins 1 through 4. The existing precast prestressed concrete tee-section beams to be replaced with a new cover.
- Replace Aeration Blowers 7 through 10 and Channel Blowers 1 through 4 with new high-speed turbo blowers. This work includes the replacement/upsizing of existing 480V electrical gear and demolition of existing centrifugal blowers and 4160 kV switchgear.
- Replace Odor Scrubbers 2 through 5. This work includes the demolition of the existing odor scrubber facilities.
- Rehabilitate Primary Effluent Lift Station No. 2
- Expand and/or retrofit existing electrical, mechanical, communication, and conveyance systems/equipment as required to accomplish the above scope of work.

**Previous Board Action**

August 26, 2019, the Board Adopted Resolution 2864 Approving the District’s Final Report for the Enhanced Treatment & Site Upgrade Program.

January 13, 2020, the Board authorized the General Manager to execute an Agreement and Task Order No. 1 with Hazen and Sawyer in the amount of \$6,752,860 for the Enhanced Treatment and Site Upgrade Phase 1A Project to provide the 30% design services for all projects in Phase 1 of the ETSU Program (excluding the Campus Building project) and final design services associated with the Aeration Basin Modifications Project.

May 10, 2021, the Board adopted Resolution 2923 adopting the Mitigated Negative Declaration for the Enhanced Treatment and Site Upgrade Phase 1 Program.

January 10, 2022, the Board awarded the construction contract for the Enhanced Treatment and Site

Upgrade Program Phase 1A Aeration Basins Modifications Project to W. M. Lyles Co.

January 22, 2024, the Board authorized the General Manager to execute a contract change order with W. M. Lyles Co. for existing pipeline repairs for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project

January 22, 2024, the Board authorized the General Manager to execute a contract change order with W. M. Lyles Co. for temporary power provisions for the new campus building for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project

**Attachments**

1. Table 1 ETSU AB Mods Executed CCOs
2. CCO 009 AB 1-8 Pipe Material Changes

**TABLE 1**  
**ETSU PHASE 1A AERATION BASIN MODIFICATIONS PROJECT**  
**EXECUTED CHANGE ORDER SUMMARY**  
**APRIL 22, 2024**

<b>No.</b>	<b>Status</b>	<b>Contract Change Order Title</b>	<b>Contract Time Adjustment, Calendar Days</b>	<b>Cost of Change</b>
1	Executed	Access to ACFC & WCD land	0	\$(17,800.00)
2	Pending	Not used	N/A	N/A
3	Executed	Blower pressure gauge delete	0	\$(1,019.00)
4	Executed	Programmable Logic Controller (PLC) Processor model change	0	\$4,334.00
5	Executed	12kv switchgear building changes	0	\$23,000.00
6	Executed	Transformer and ductbank 19 & 20 route and material changes	0	\$0
7	Pending	Not used	N/A	N/A
8	Executed	Additional stockpile locations	0	\$0
<b>9</b>	<b>Proposed</b>	<b>Aeration Basin 1-8 Pipe Material changes</b>	<b>0</b>	<b>\$(520,594.00)</b>
10	Executed	Change basin epoxy coating to polyurethane	0	\$(70,000.00)
11	Executed	Electrical conduit changes on top of basins	0	\$(43,010.50)
12	Executed	Basin 5-8 slab modifications	0	\$5,902.99
13	Executed	Reclaim water pipe leak investigation and repair	0	\$37,750.65
14	Executed	Scrubber fan 3 conduit reroute	0	\$6,451.01
15	Executed	Water line reroute at secondary clarifier 1	0	\$5,282.33
16	Executed	Excavation for 12" elutriation pipeline	0	\$7,902.11



ETSU Phase 1A AB Mods Project Executed Change Order Summary

Meeting of April 22, 2024

Page 2

17	Executed	Remove existing and install temporary lighting on east side of Basins 1-4	0	\$1,549.00
18	Executed	Additional rebar at wall intersections of basin 1-4	0	\$4,768.05
19	Executed	Lift pump guard and oiler, modifications and pump 2 repairs	0	\$38,449.83
20	Executed	West blower building replacement louver	0	\$32,502.66
21	Executed	Basin 5&6 effluent weir plates	0	\$11,348.27
22	Executed	Anode tracing		\$5,379.00
23	Executed	Thickener overflow line repairs	0	\$137,166
24	Executed	Temporary Campus power	0	\$241,698
25	Executed	Reclaim Water Valve Replacement	0	\$6,966.00
26	Executed	East Road Sinkhole Repair	0	\$9,203.00
27	Executed	AB1&3 Pipe Penetration Repair	0	\$23,149.00
28	Executed	Horizontal Construction Joint Removal ABs 5-8	0	\$(15,895.00)
29	Executed	Pothole for Fuel Island Ductbank & SDPS Vault	0	\$5,551.00
30	Executed	Mixer Equipment Pad at ABs 1-4	0	\$10,969.00
31	Executed	Groundwater and Soil Testing	0	\$10,153.00
32	Executed	WBB Neuros Actuator Rotation	0	\$1,866.00
<b>Total</b>				<b>\$(36,977.60)</b>
<b>Original Contract Amount</b>				<b>\$121,040,200.90</b>
<b>Proposed Revised Contract Amount</b>			-0.03% of contract amount	<b>\$121,003,223.30</b>

**CONTRACT CHANGE ORDER No. 009**

**Enhanced Treatment and Site Upgrade  
Phase 1A – Aeration Basin Modifications Project**

**ITEM: Aeration Basin (AB) 1-8 Pipe Material Changes**

Contractor is hereby directed to make the herein described changes from the plans and specifications or do the following work not included in the plans and specifications of this contract or comply with the terms and obligations of this Contract Change Order (CCO). All new work herein described shall be done in accordance with the applicable provisions of the plans and specifications, except as specifically modified by this CCO.

**DESCRIPTION OF CHANGE:**

Provide the labor, materials, and equipment necessary to incorporate the AB 1-8 pipe material changes included in the attached Request for Quotation No. 6, as modified by this Change Order.

**REFERENCES:** Request for Quote No. 6 Rev 1  
Potential Change Order 27, 28, and 29

**COST OF CHANGE:** (\$520,594.00) Deduct

**CONTRACT TIME AJUSTMENT:** 0 Days

We, the undersigned Contractor, have given careful consideration to all aspects of the change proposed and hereby agree. This Contract Change Order constitutes full and complete compensation for all labor, equipment, materials, overhead, profit, any and all indirect costs and time adjustment, including any delay and rescheduling, required to perform the above-described change and will accept this Contract Change Order as full and final payment.

This document supplements and amends the Contract Documents and all provisions of the Contract Documents will apply thereto. It is understood that the Contract Change Order shall be effective when fully executed by the District.

**ACCEPTED:**  
**W.M. Lyles Co.**  
Contractor:

By: \_\_\_\_\_  
Reece Berger

Date: \_\_\_\_\_

**RECOMMENDED FOR ACCEPTANCE:**  
**Psomas**  
Construction Manager:

By: \_\_\_\_\_  
Mike Redig, P.E.

Date: \_\_\_\_\_

**Union Sanitary District**  
ETSU Program Manager:

By: \_\_\_\_\_  
Ric Pipkin, P.E.

Date: \_\_\_\_\_

**APPROVAL:**

The Contractor shall not commence with the above-described work of this change order prior to the approval by the District's Authorized Representative.

**Union Sanitary District**  
Authorized Representative:

By: \_\_\_\_\_  
Paul R. Eldredge, P.E.  
General Manager/District Engineer

Date: \_\_\_\_\_

## REQUEST FOR QUOTATION

### Union Sanitary District Enhanced Treatment and Site Upgrade – Phase 1A Aeration Basin Modifications Project

Document No. 006 Rev 1

Date: 2/10/2022

TO: Reece Berger  
W.M. Lyles Co.  
3925 Progress Dr.  
Rocklin, CA 95765

FROM: Mike Redig  
Psomas  
1660 Olympic Blvd, Suite 300  
Walnut Creek, CA 94596

**SUBJECT:** Aeration Basin Piping Material and Appurtenances Changes  
**SPEC SECTION:** 05 10 00, 40 05 00, 40 06 20, 40 05 24.13, and 40 05 24.23  
**CONTRACT DWG:** M309-M312; M409-M416, and MD1  
**REFERENCE:** Design Clarification Memo (DCM) No. 5,6 and 7 Aeration Basin Piping Material and Appurtenances Changes  
Submittal 61.1, 83.1, and 119. **Submittal 83.2 and 119.1** **CCO 9**

Prior to proceeding with any work on this Request for Quotation an executed Contract Change Order or written authorization from the District is required.

Please provide an itemized quotation for changes associated with Lyles' proposed pipe material substitutions of ductile iron pipe in the SWAS, NRCY, RAS and Drain systems in Aeration Basins 1 through 8. These revisions are presented in the attached DCM Nos 5, 6 and 7, and the subject of multiple Contractor submittals. Proposed revisions include the following. Items new to Revision 1 are highlighted in **bold**.

- The 36-inch RAS piping under the East Odor Control Slab shall remain as ductile iron. Additional information regarding the contract required joints and the limits of the lightweight cellular fill are detailed in the attached markups. Ref. Drawing M3YY and M3XX.** **CCO 9**
- Schedule 10, 316 stainless steel piping for submerged installations in accordance with Specification 40 05 24.13, Drawings M309-M312 and M409-M416, and Submittal Nos. 61.1, 83.1 and 119, and the submittal review comments.
- Schedule 10, 304 stainless steel piping for above ground installations in accordance with Specification 40 05 24.13, Drawings M309-M312 and M409-M416, and Submittal Nos. 61.1, 83.1 and 119, and the submittal review comments.
- Mortar lined and epoxy coated steel in buried installations in accordance with Specification 40 05 24.23, Drawings M309-M312 and M409-M416, and Submittal Nos. 61.1, 83.1 and 119, and the submittal review comments.
- Installation of Straub Couplings as detailed in Submittal No. 65.1, and the review comments, and above-mentioned pipe submittals, and submittal review comments.
- Revisions to interior wall pipe sleeves as detailed in DCM No. 6 and Submittal No. 79.1, and the submittal review comments.

- See M3YY and M3XX for changes to the above ground RAS distribution header piping shown on Drawing M324. **Above ground RAS piping not included in Change.** **CCO 9**

6UNI010100.03-54.006 Rev 1

1 of 2

**See attached DCM No. 6 for acceptable core locations, DCM 6 layout submittal to be provided by the Contractor.**

# CONTRACT CHANGE ORDER 009 (Page 2 of 24)

Attached are preliminary drawing mark-ups (RFQ 006 Page 1-16) which present many of the revisions described above. These drawings should not be considered all inclusive, as certain submittals require resubmittal. As part of this proposal, Lyles shall provide comprehensive working drawings that specifically depict all changes described above, including piping, connections, wall sleeves, dissimilar material connections, etc. to be distributed to appropriated personnel, including the District, the Designer, Lyles' subcontractors, and the Construction Manager. The magnitude of the proposed revisions requires detailed working drawings to promote coordinated and efficient material procurement and installations.

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Your price shall constitute full and complete payment for this contract change including but not limited to all equipment, labor, materials, tools, incidentals, administrative fees, transportation, disposal, taxed, and any other costs needed to accomplish this work. Please provide back-up information with your quote.

In accordance with Specification Section 01035-2.0, please submit an itemized cost breakdown, including all necessary supporting data. In accordance with specification Section 01310-6.0, if the Contract time is impacted by the proposed change, please submit a Time Impact Analysis with your cost proposal. Please ensure that all future correspondence regarding this issue refers to the RFQ document number shown above and that your proposal is submitted in a timely manner to prevent delay to the work.

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Requested by: Mike Redig, P.E.  
**PSOMAS**

# AERATION BASINS 1-4 - BOTTOM PLAN

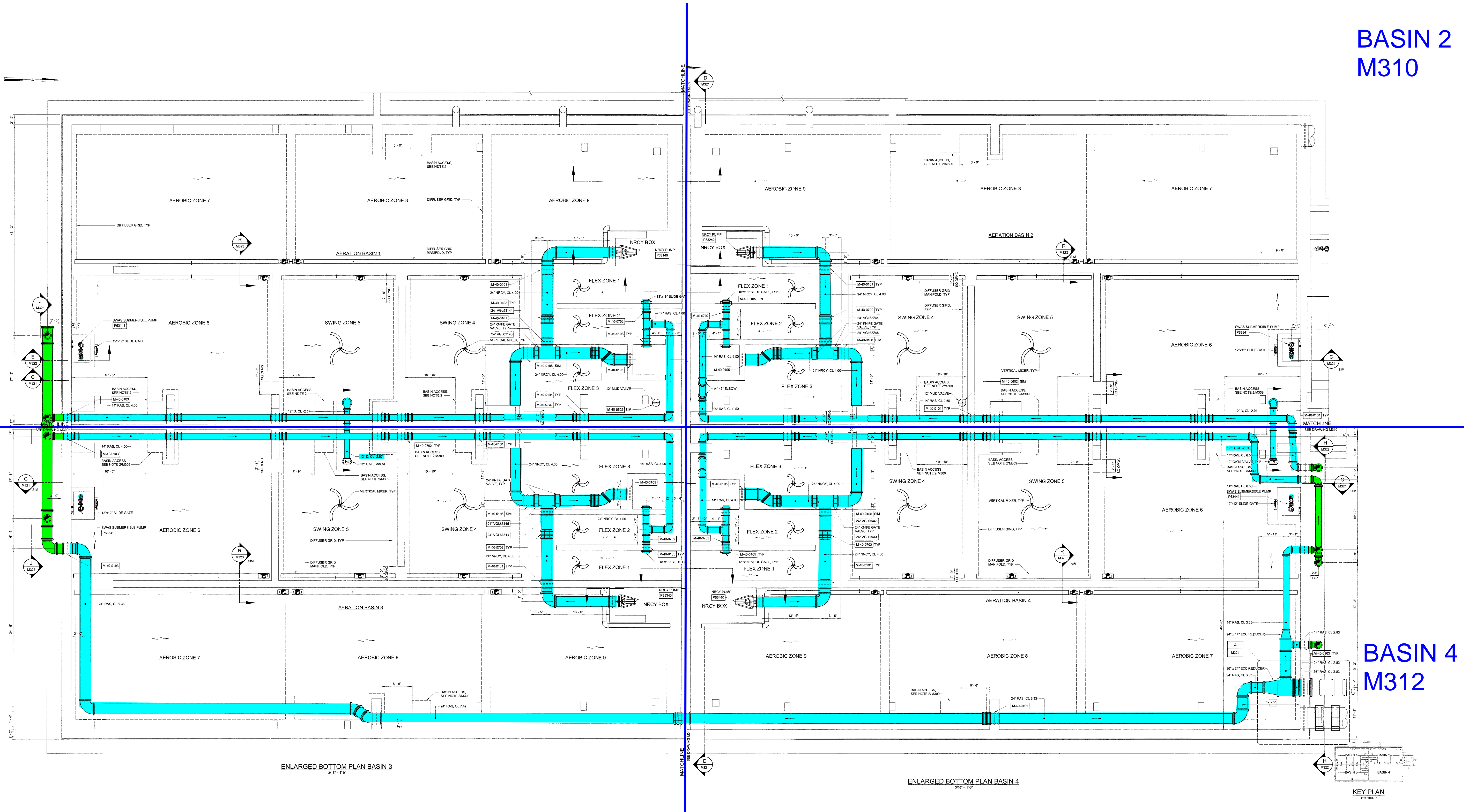
- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 316 SST, Sch 10 - Submerged

**BASIN 1  
M309**

**BASIN 2  
M310**

**BASIN 3  
M311**

**BASIN 4  
M312**



See DCM 006 for changes regarding link seals and wall penetrations

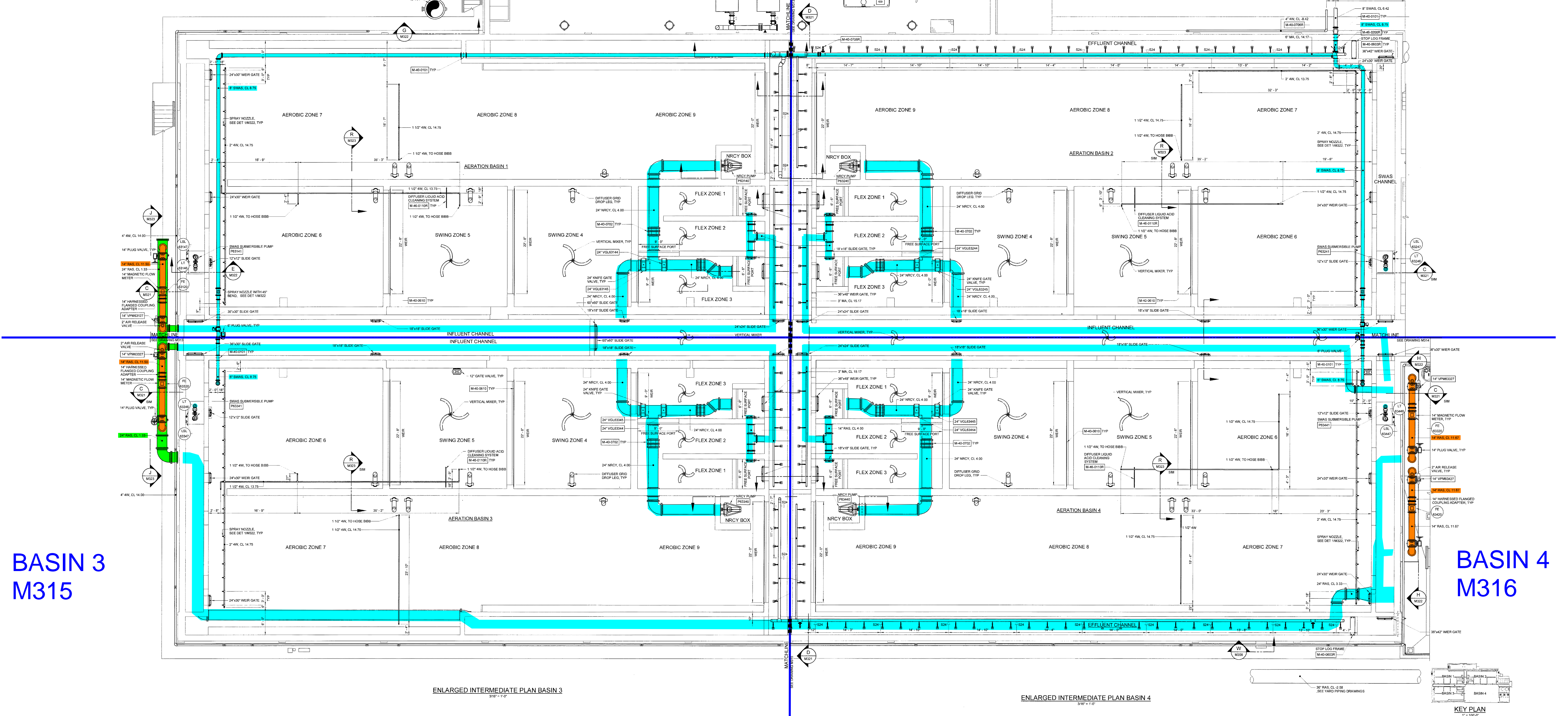
**PRELIMINARY  
Not for Construction**

# AERATION BASINS 1-4 - INTERMEDIATE PLAN

- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 304 SST, Sch 10 - Exposed
- Change from DIP to 316 SST, Sch 10 - Submerged

## BASIN 1 M313

## BASIN 2 M314



## BASIN 3 M315

## BASIN 4 M316

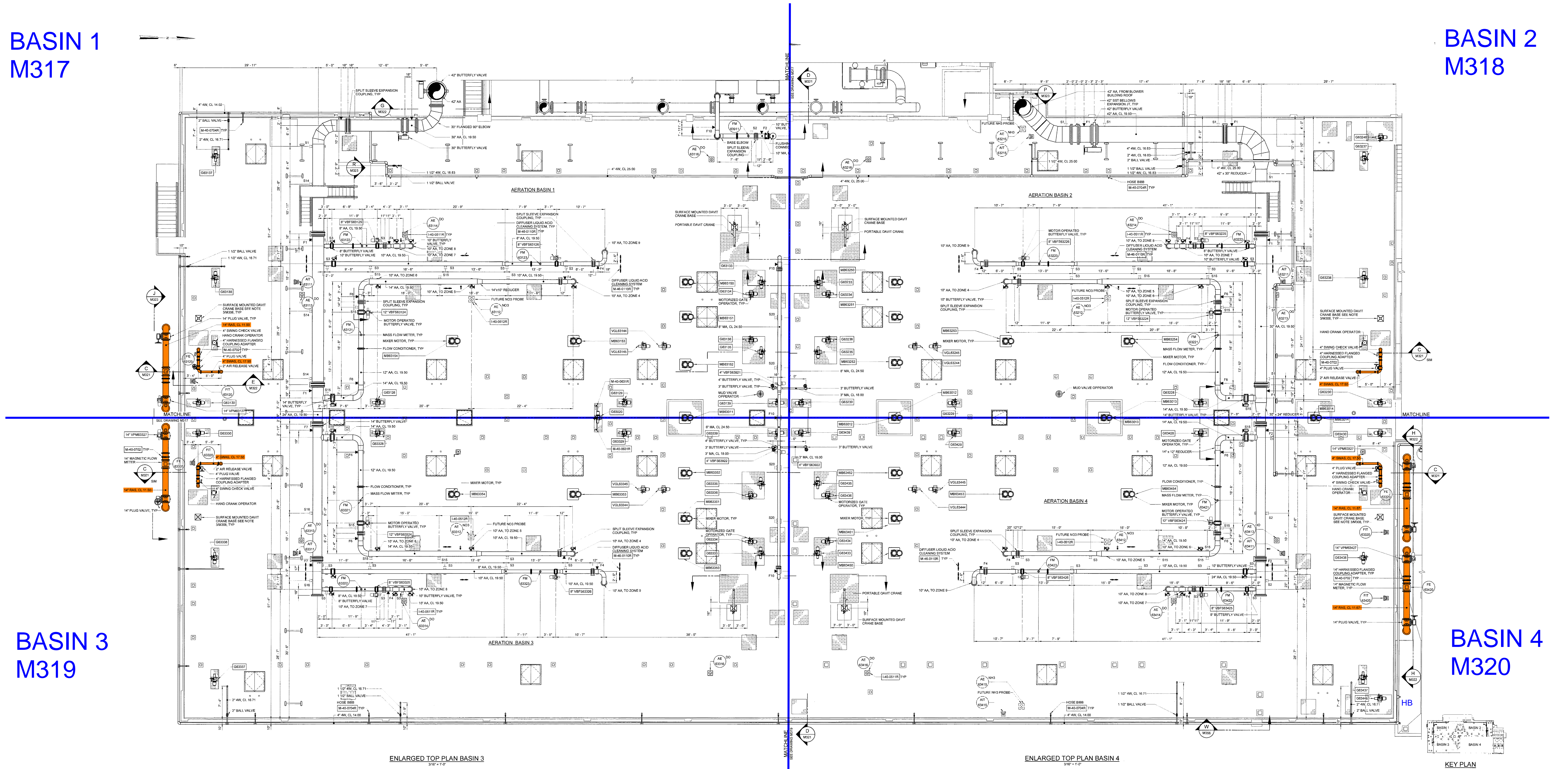
See DCM 006 for changes regarding link seals and wall penetrations

# PRELIMINARY Not for Construction

Change from DIP to 304 SST, Sch 10 - Exposed

BASIN 1  
M317

BASIN 2  
M318

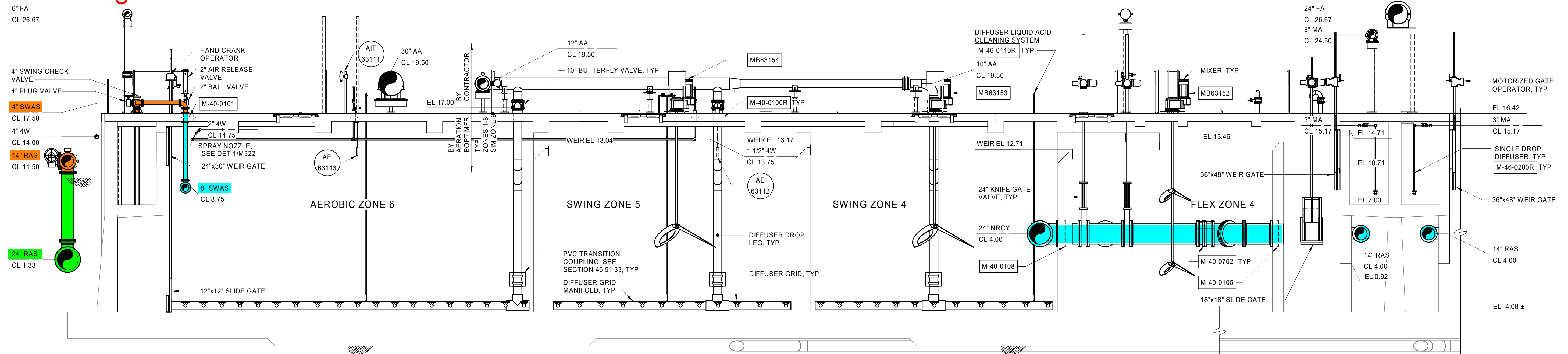


BASIN 3  
M319

BASIN 4  
M320

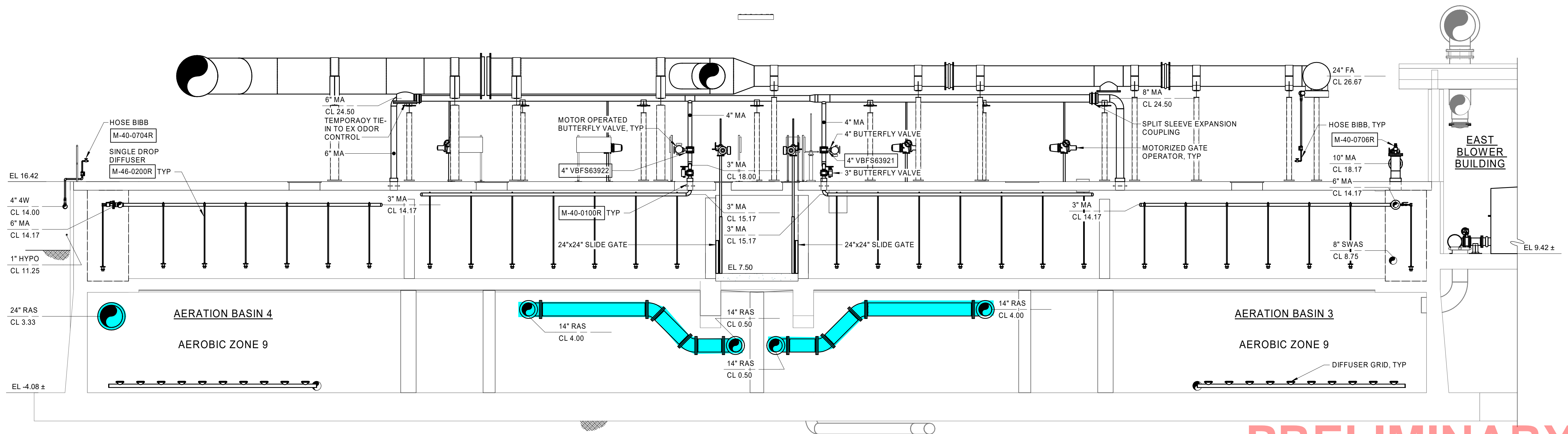
See DCM 006 for changes regarding link seals and wall penetrations

PRELIMINARY  
Not for Construction



- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 304 SST, Sch 10 - Exposed
- Change from DIP to 316 SST, Sch 10 - Submerged

SECTION C  
3/16" = 1'-0" M309



SECTION D  
3/16" = 1'-0" M310

PRELIMINARY  
Not for Construction

See DCM 006 for changes regarding link seals and wall penetrations

CONFORMED DRAWINGS

	PROJECT ENGINEER:	A. BRIGGS			
	DESIGNED BY:	J. HARTWIG			
	DRAWN BY:	S. HAKONSON			
	CHECKED BY:	HAZEN			
	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE				
2	CONFORMED	2/22	APB		
1	CONSTRUCTION	9/21	APB		
REV	ISSUED FOR	DATE	BY		

THIS DOCUMENT  
ORIGINALLY ISSUED  
FOR CONSTRUCTION  
BY ALLAN P. BRIGGS,  
SEAL NUMBER C74243

THIS DOCUMENT  
ORIGINALLY ISSUED  
FOR CONSTRUCTION  
BY IRENE W. CHU,  
SEAL NUMBER C77624

Hazen

HAZEN AND SAWYER  
102 MISSION STREET, SUITE 500  
SAN FRANCISCO, CALIFORNIA 94105



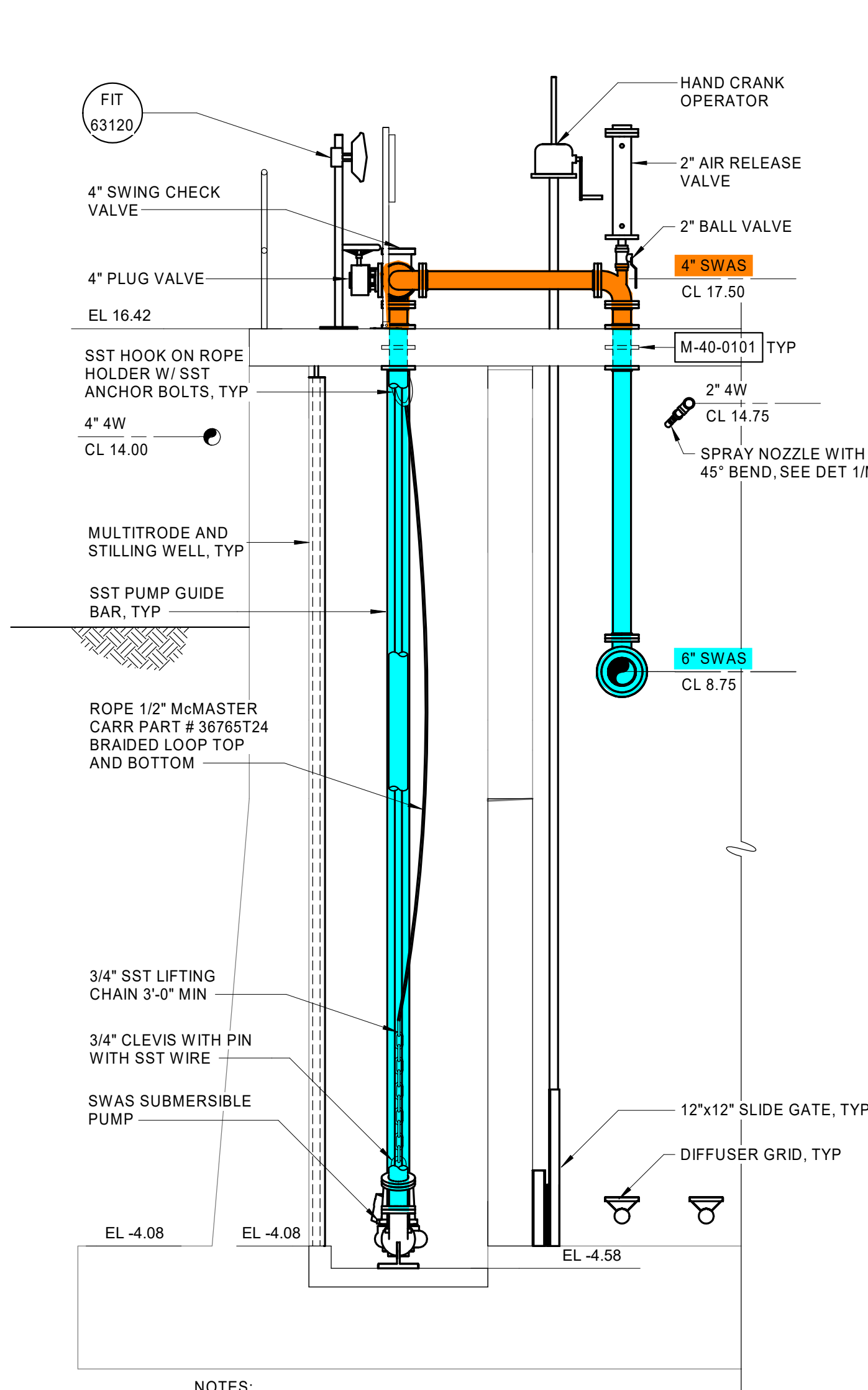
ENHANCED TREATMENT  
AND SITE UPGRADE  
PROGRAM

PHASE 1A -  
AERATION BASIN  
MODIFICATIONS

AERATION BASINS 1-4  
MECHANICAL  
SECTIONS AND DETAILS - SHEET 1

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M321
SHEET NUMBER:	

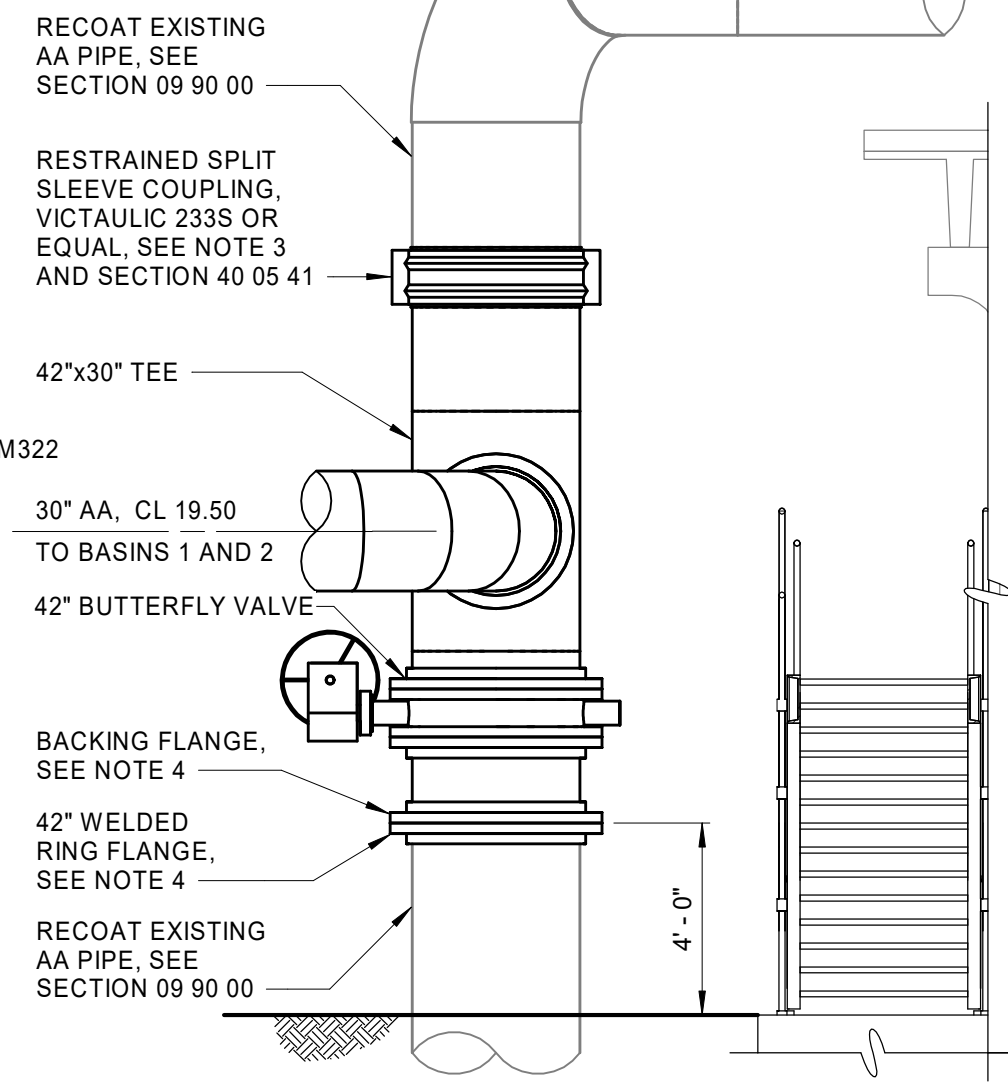




- NOTES:
1. THIS SECTION DETAILS THE PUMP REMOVAL COMPONENTS TO BE PROVIDED BY THE CONTRACTOR FOR EACH SIMILAR PUMP APPLICATION.

SECTION E  
3/8" = 1'-0" M309

- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 304 SST, Sch 10 - Exposed
- Change from DIP to 316 SST, Sch 10 - Submerged

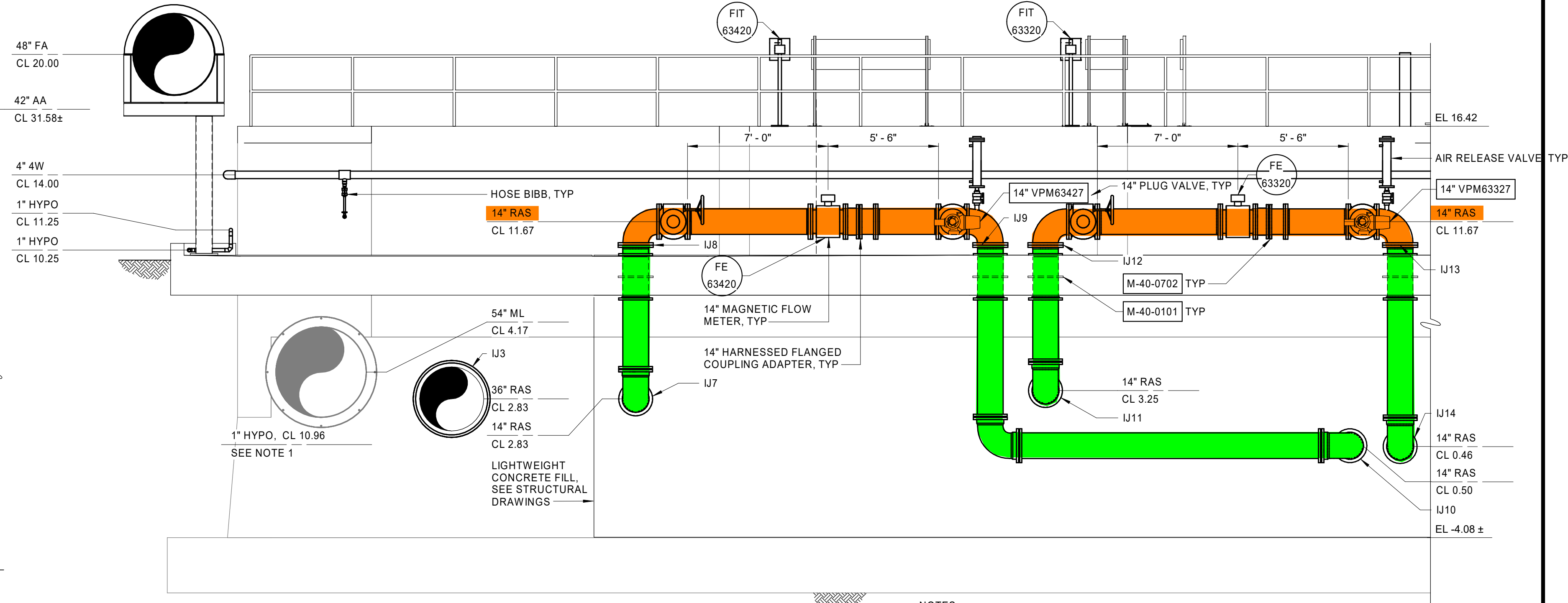


- NOTES:
1. CONTRACTOR SHALL INSTALL AND CONNECT NEW TEE AND ISOLATION VALVE TO EXISTING AA PIPING PER THE CONSTRUCTION SEQUENCE SPECIFIED IN SECTION 01010.
  2. CONTRACTOR SHALL REMOVE SECTION OF EXISTING AA PIPING BY REMOVING THE EXISTING UPPER COUPLING AND SAW CUTTING THE BOTTOM OF THE SECTION TO BE REMOVED. CONTRACTOR SHALL USE CUTTING METHOD SUITABLE FOR EXISTING AA PIPING WITH CEMENT MORTAR LINING. PAINT SHALL BE REMOVED FROM THE SECTION TO BE CUT PRIOR TO CUTTING. DEBRIS SHALL BE REMOVED FROM AA PIPING AFTER CUTTING.
  3. CONTRACTOR SHALL CONNECT NEW AA PIPING TO UPPER SECTION OF EXISTING PIPING REMAINING IN PLACE USING RESTRAINED SPLIT SLEEVE COUPLING.
  4. CONTRACTOR SHALL CONNECT NEW AA PIPING TO LOWER SECTION OF EXISTING AA PIPING REMAINING IN PLACE USING A WELDED RING FLANGE, BACKING FLANGE, DIELECTRIC GASKET, AND 316 SST HARDWARE. SEE DETAIL M-40-0120R.



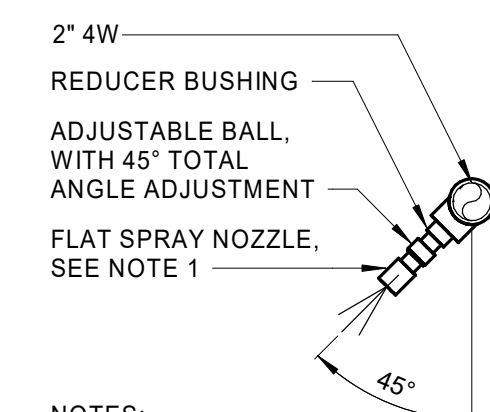
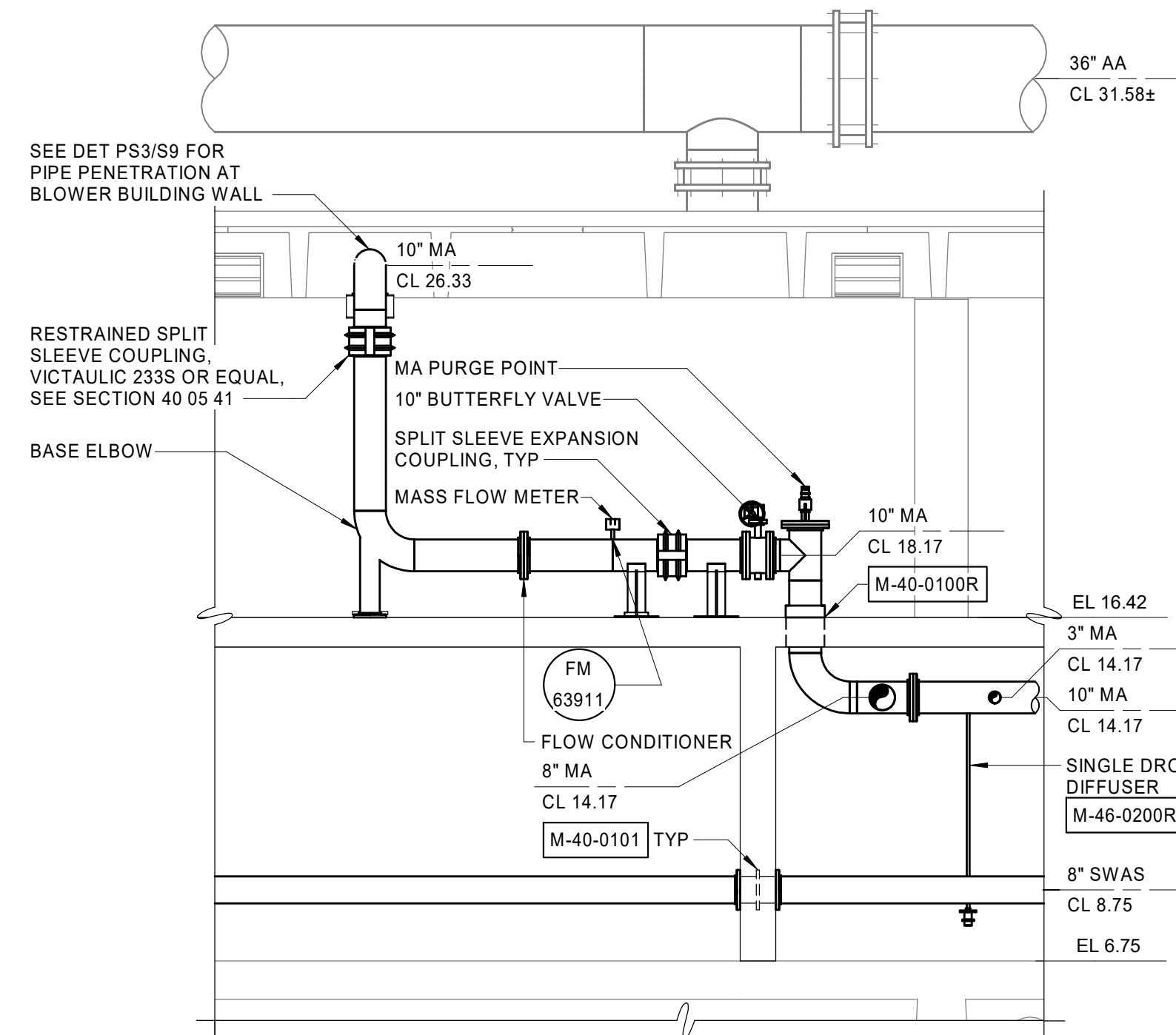
EAST PERMANENT INTERCONNECT - EXISTING CONDITIONS

SECTION G  
1/4" = 1'-0" M313



- NOTES:
1. CONTRACTOR SHALL PROVIDE PLAST-O-MATIC MODEL DGV050V-PV DEGASSING VALVE. VALVE SHALL BE PVC MOUNTED TO TEE WITH APPROPRIATE TRANSITIONS FROM CHEM PROLOK ADVANCED PE DOUBLE CONTAINMENT PIPING TO PVC.
  2. IJ## DENOTES PIPE INSULATION JOINT TYPE. SEE CP1 FOR INSULATION JOINT SCHEDULE.

SECTION H  
1/4" = 1'-0" M312



- NOTES:
1. SPRAY NOZZLES SHALL BE FLAT FAN PATTERN, WITH A NOMINAL FAN ANGLE OF 45-50°. NOZZLES SHALL BE SST, 3/8\"/>

SECTION F  
1/4" = 1'-0" M313

DETAIL 1  
1" = 1'-0" M351

See DCM 006 for changes regarding link seals and wall penetrations

PRELIMINARY  
Not for Construction

CONFORMED DRAWINGS

PROJECT ENGINEER:	A. BRIGGS		
DESIGNED BY:	J. HARTWIG		
DRAWN BY:	S. HAKONSON		
CHECKED BY:	HAZEN		
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"		
REV	ISSUED FOR	DATE	BY
2	CONFORMED	2/22	APB
1	CONSTRUCTION	9/21	APB

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY ALLAN P. BRIGGS, SEAL NUMBER C74243

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY IRENE W. CHU, SEAL NUMBER C77624

# Hazen

HAZEN AND SAWYER  
102 MISSION STREET, SUITE 500  
SAN FRANCISCO, CALIFORNIA 94105

UNION  
SANITARY  
DISTRICT

ENHANCED TREATMENT  
AND SITE UPGRADE  
PROGRAM

PHASE 1A -  
AERATION BASIN  
MODIFICATIONS

AERATION BASINS 1-4  
MECHANICAL  
SECTIONS AND DETAILS - SHEET 2

DATE: SEPTEMBER 2021

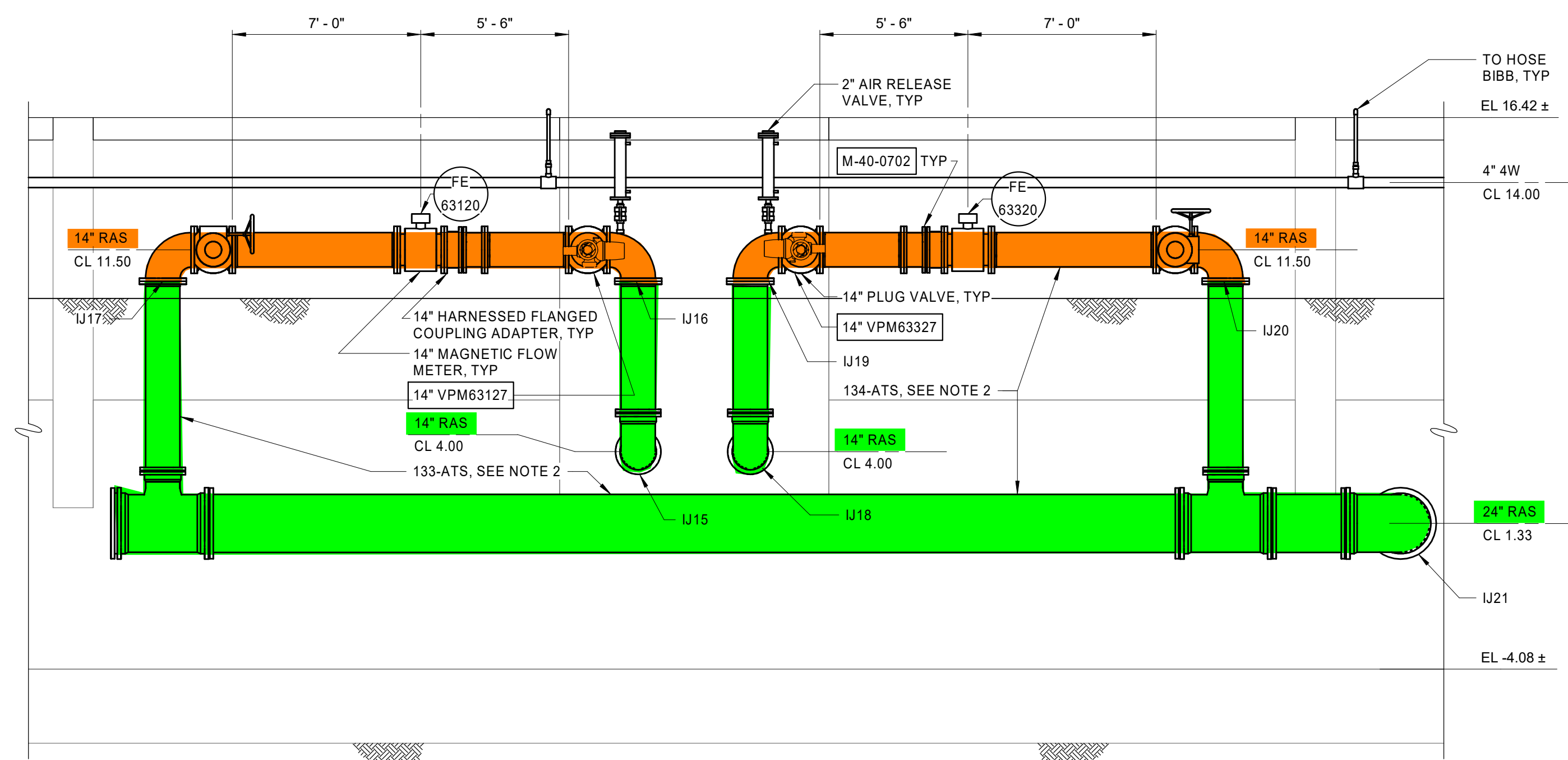
HAZEN NO.: 20118-002

USD NO.: 800-532

DRAWING NUMBER: M322

SHEET NUMBER:

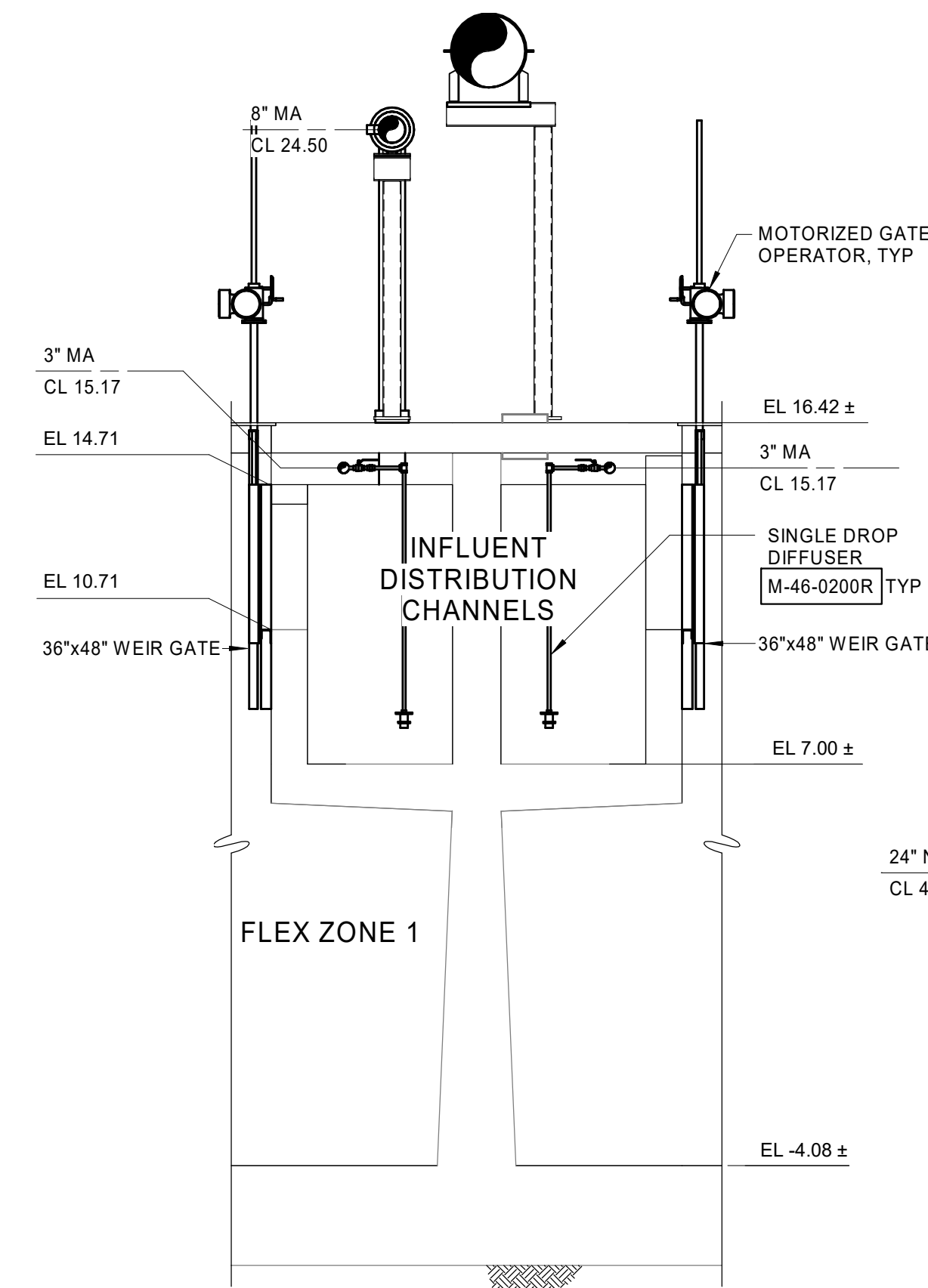
DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M322
SHEET NUMBER:	



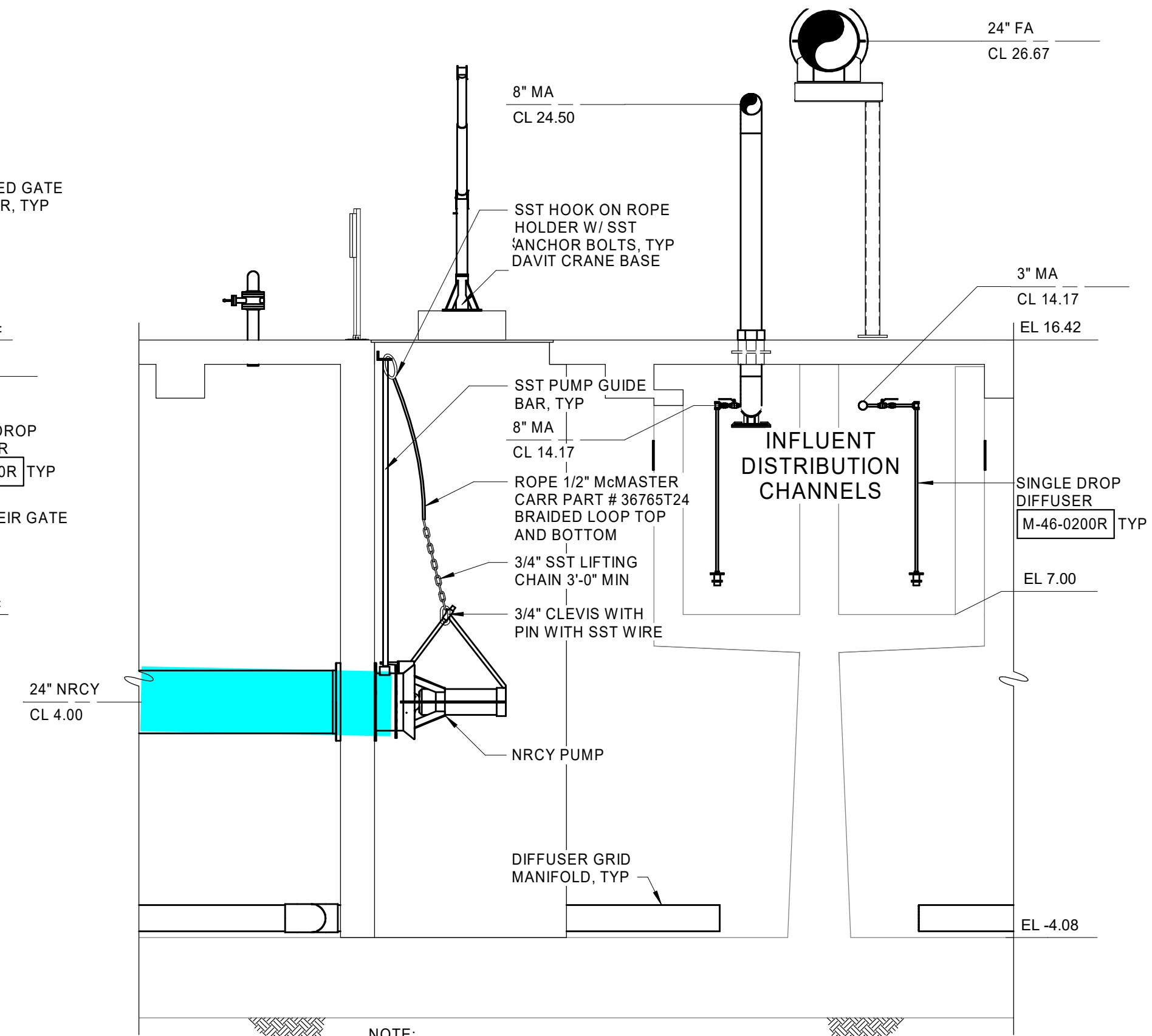
- NOTES:
- IJ## DENOTES PIPE INSULATION JOINT TYPE. SEE CP1 FOR INSULATION JOINT SCHEDULE.
  - SEE GALVANIC ANODE BED SCHEDULE ON CP1.

- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 304 SST, Sch 10 - Exposed
- Change from DIP to 316 SST, Sch 10 - Submerged

SECTION J  
1/4" = 1'-0" M309

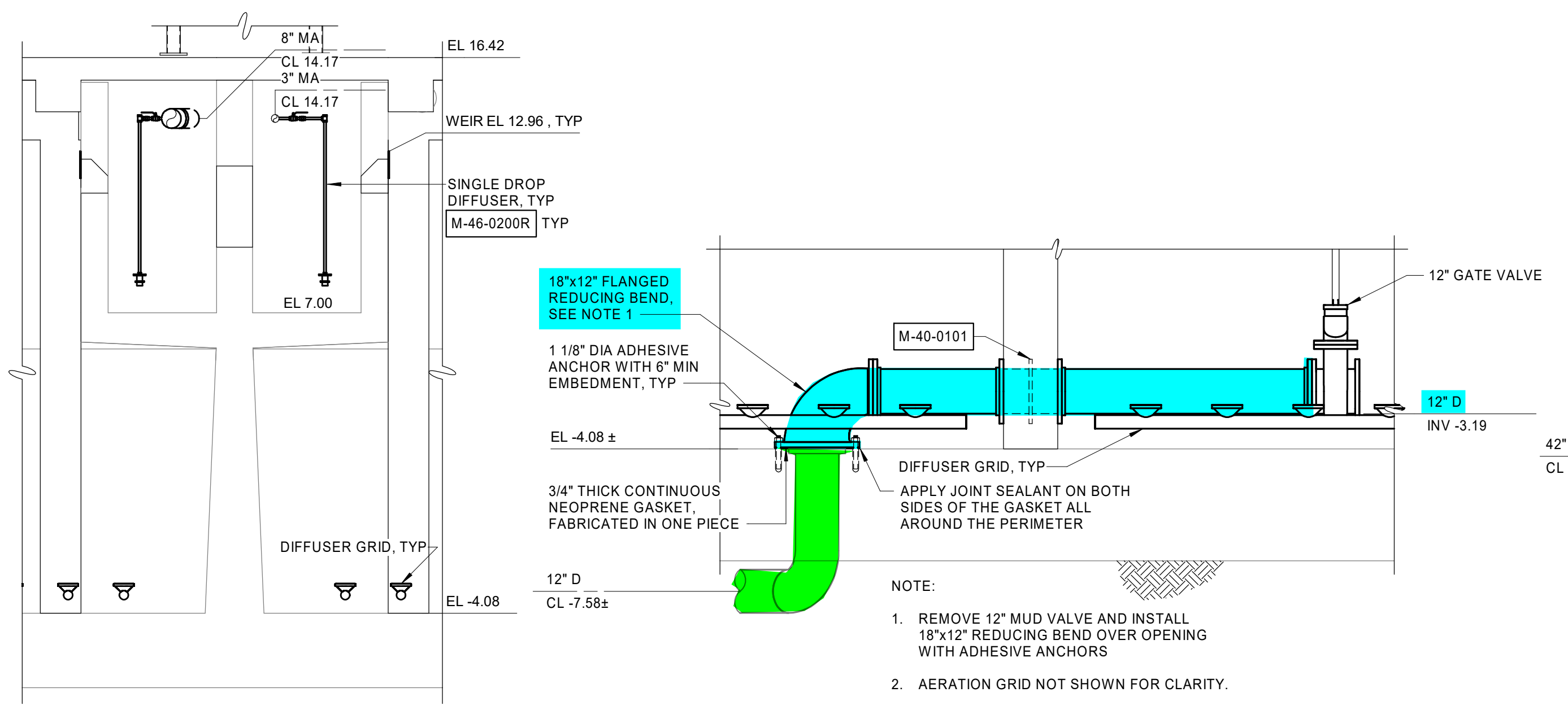


SECTION K  
1/4" = 1'-0" M309



- NOTE:
- THIS SECTION DETAILS THE PUMP REMOVAL COMPONENTS TO BE PROVIDED BY THE CONTRACTOR FOR EACH SIMILAR PUMP APPLICATION.

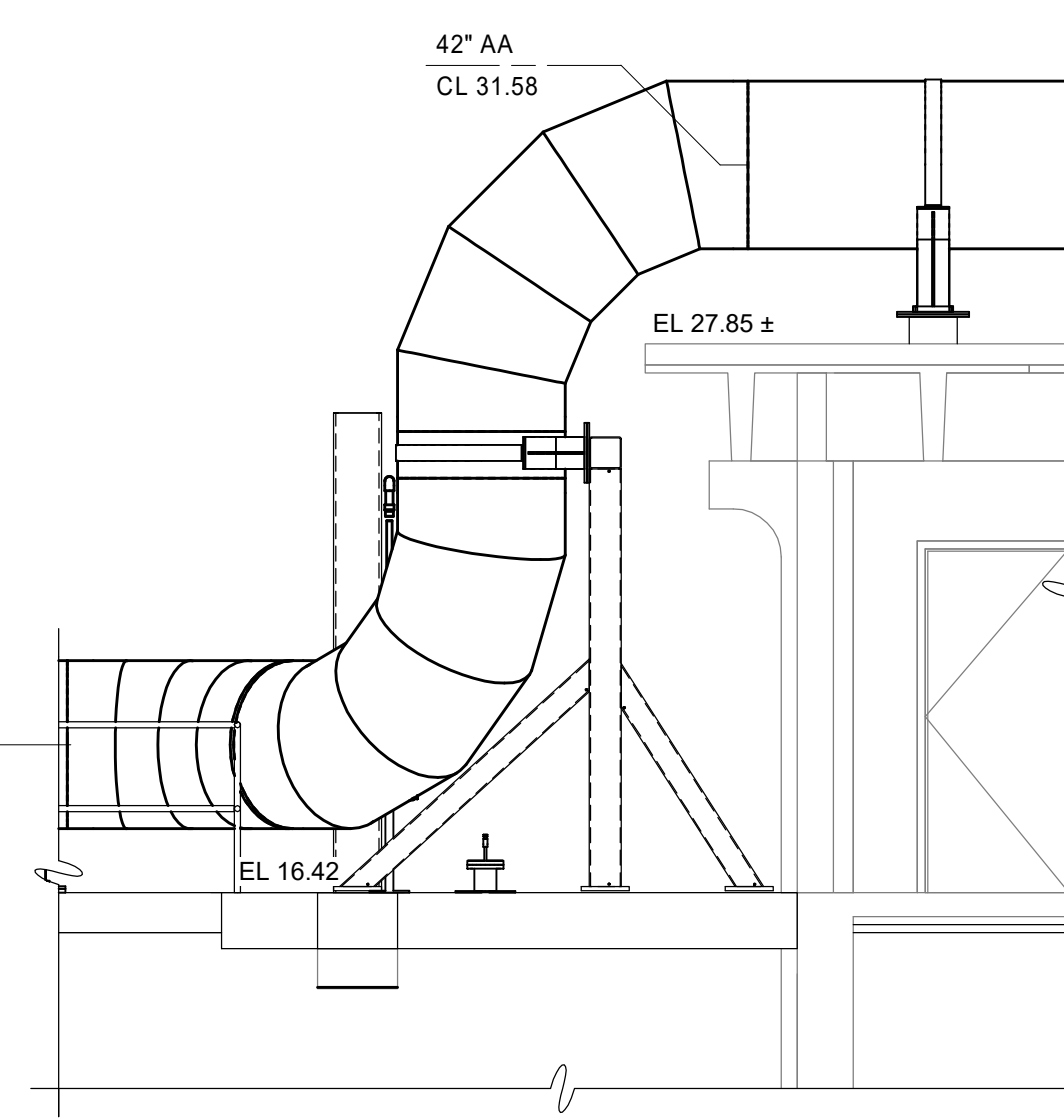
SECTION L  
1/4" = 1'-0" M309



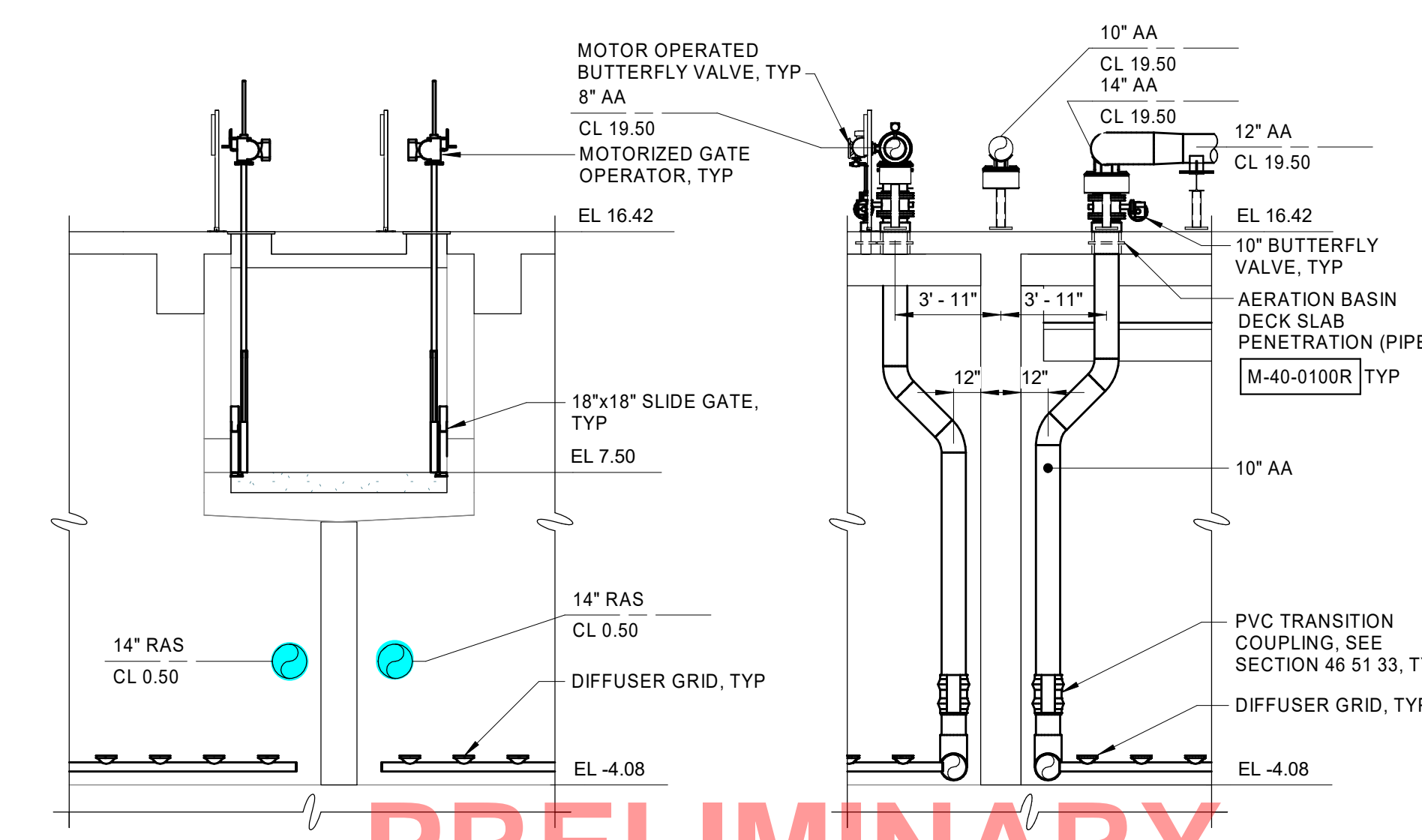
- NOTE:
- REMOVE 12" MUD VALVE AND INSTALL 18"x12" REDUCING BEND OVER OPENING WITH ADHESIVE ANCHORS
  - AERATION GRID NOT SHOWN FOR CLARITY.

SECTION M  
1/4" = 1'-0" M309

SECTION N  
3/8" = 1'-0" M309



SECTION P  
1/4" = 1'-0" M318



SECTION Q  
3/16" = 1'-0" M310

SECTION R  
3/16" = 1'-0" M309

See DCM 006 for changes regarding link seals and wall penetrations

PRELIMINARY  
Not for Construction

PROJECT ENGINEER:		A. BRIGGS	
DESIGNED BY:		J. HARTWIG	
DRAWN BY:		S. HAKONSON	
CHECKED BY:		HAZEN	
2	CONFORMED	2/22	APB
1	CONSTRUCTION	9/21	APB
REV	ISSUED FOR	DATE	BY

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY ALLAN P. BRIGGS, SEAL NUMBER C74243

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY IRENE W. CHU, SEAL NUMBER C77624



HAZEN AND SAWYER  
102 MISSION STREET, SUITE 500  
SAN FRANCISCO, CALIFORNIA 94105



ENHANCED TREATMENT AND SITE UPGRADE PROGRAM

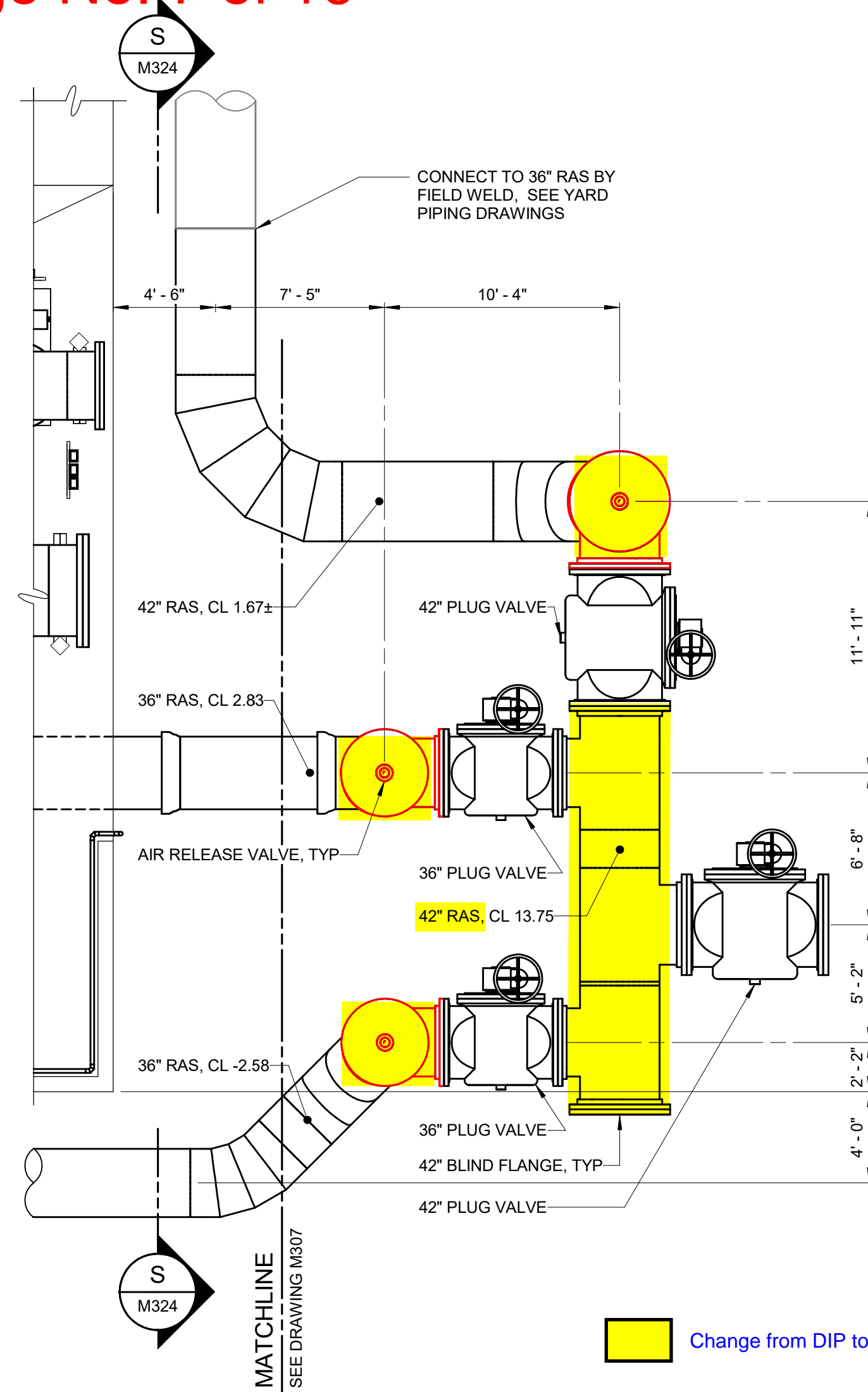
PHASE 1A - AERATION BASIN MODIFICATIONS

AERATION BASINS 1-4  
MECHANICAL SECTIONS AND DETAILS - SHEET 3

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M323
SHEET NUMBER:	

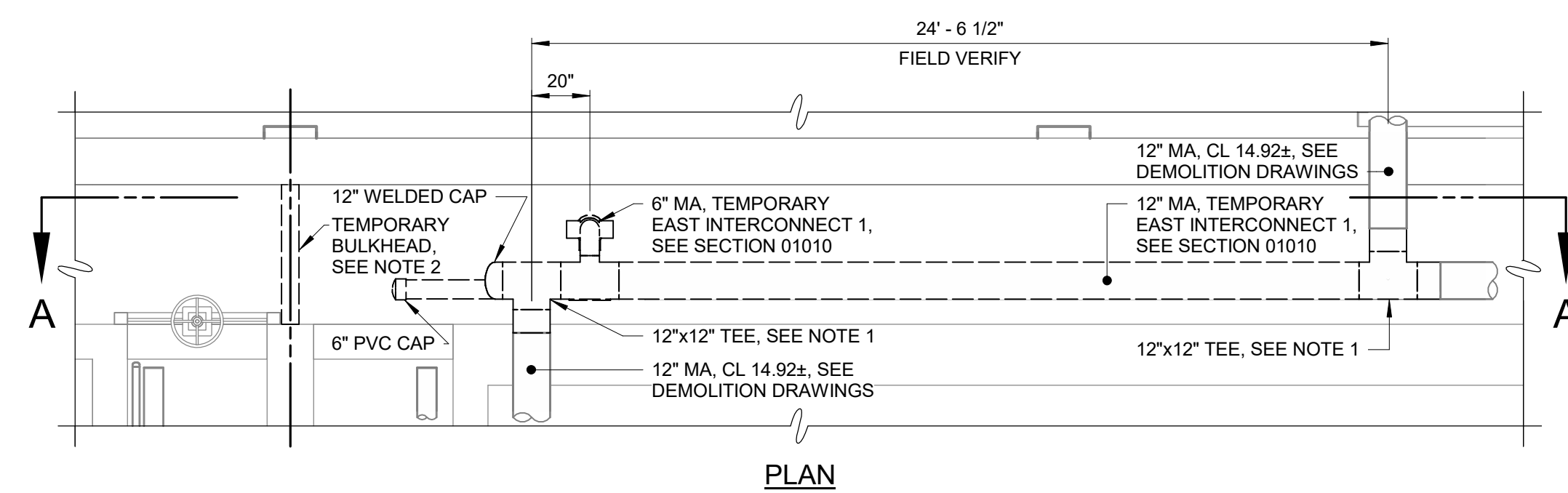
E:\M\20118\20118-002\_Union Sanitary District\20118-002-300-AB14-M.dwg 2/15/2021 1:00:23 PM

- NOTES:
- REFERENCE SECTION 01010 FOR SUGGESTED CHANNEL AIR PIPING TEMPORARY CONNECTIONS DURING CONSTRUCTION. CONTRACTOR SHALL SUBMIT A WORK PLAN PRIOR TO BEGINNING CHANNEL AIR DEMOLITION FOR ENGINEER APPROVAL.
  - TEMPORARY CHANNEL MIXING AIR CONNECTIONS ARE BASED ON RECORD DRAWING INFORMATION PROVIDED IN THE 1985 UPGRADE PROJECT RECORD DRAWINGS BY KENNEDY/JENKS ENGINEERS. CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS PRIOR TO PROCUREMENT OF PIPING AND SUBMITTAL OF APPROPRIATE SHUTDOWN REQUESTS REQUIRED IN ACCORDANCE WITH SPECIFICATION SECTION 01010 - SUMMARY OF WORK.



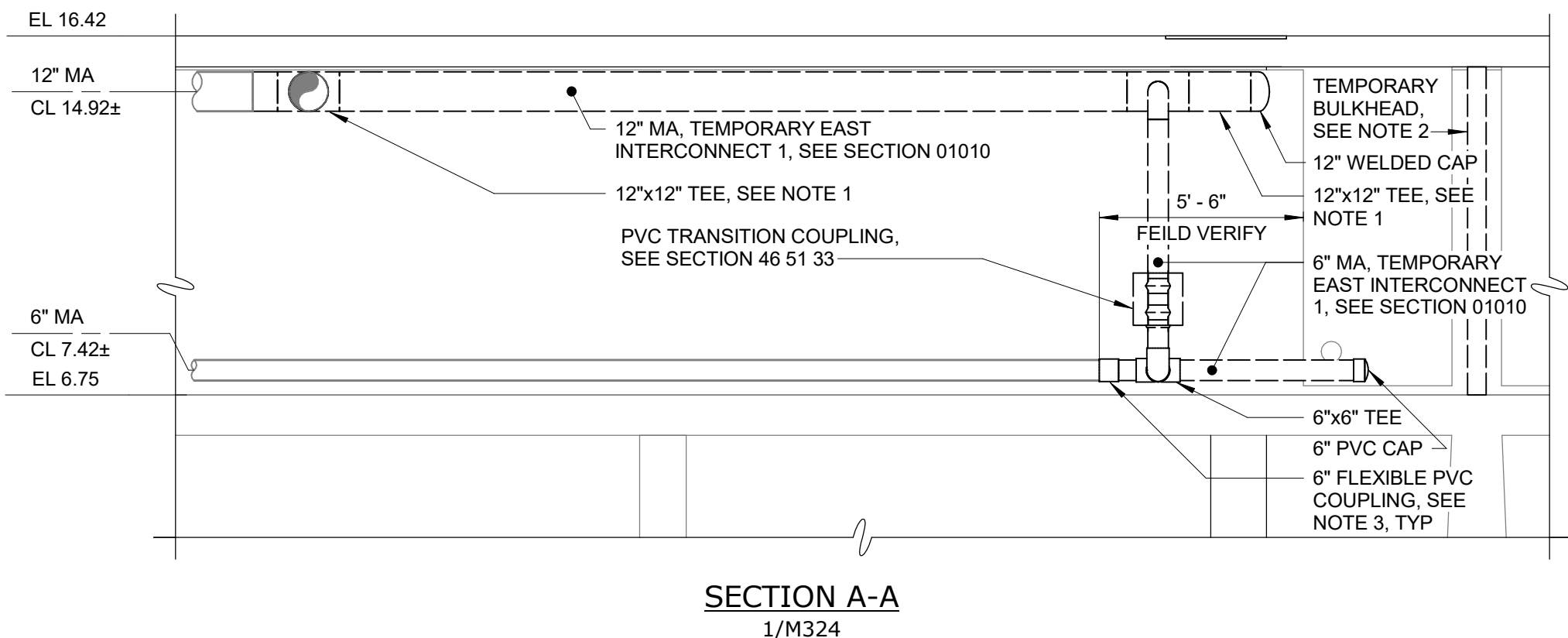
ENLARGED RAS PIPING PLAN

Change from DIP to Steel - CML x Epoxy Coated - Exposed



PLAN

Change from DIP to 316 SST, Sch 10 - Submerged

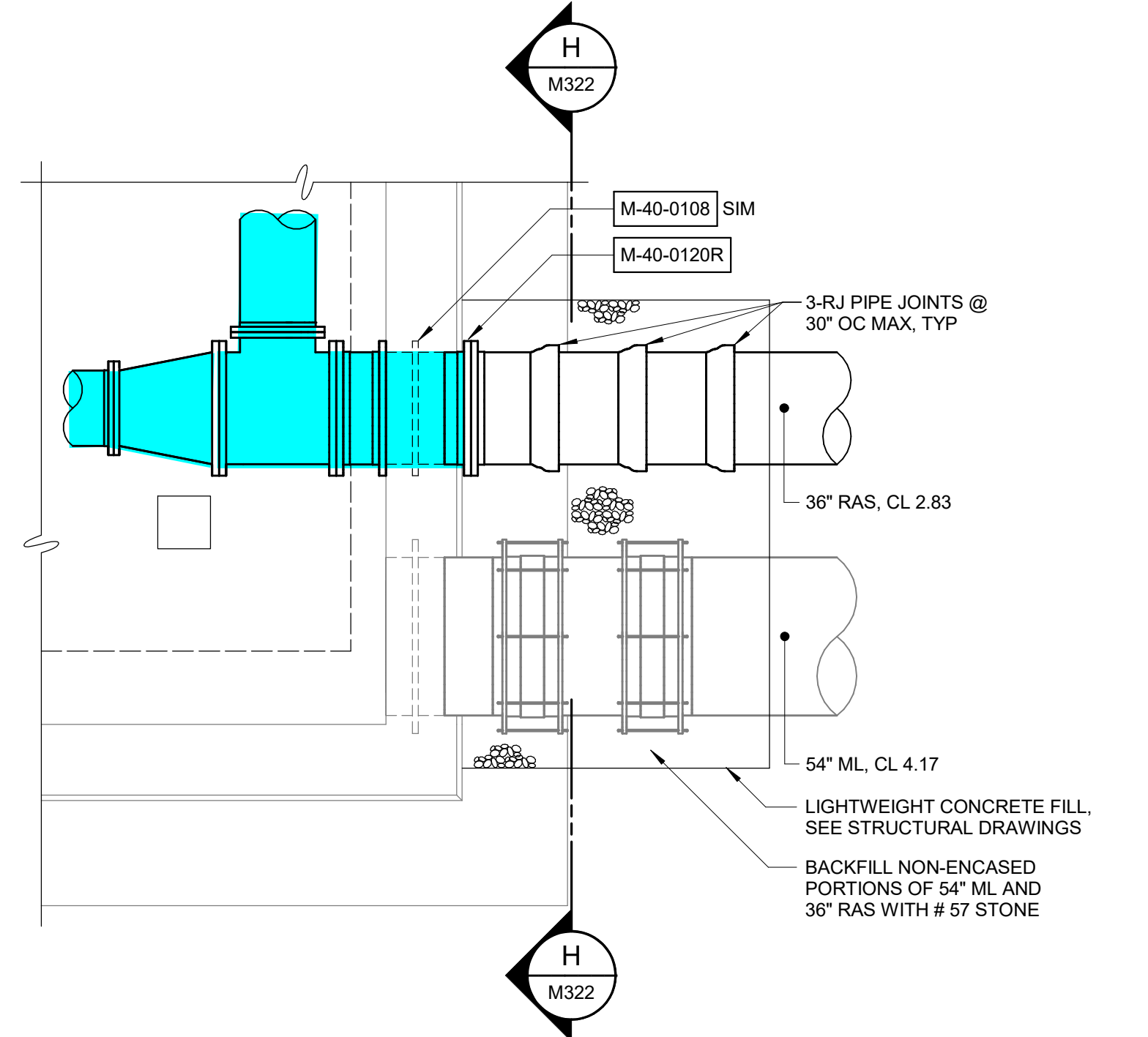


SECTION A-A  
1/M324

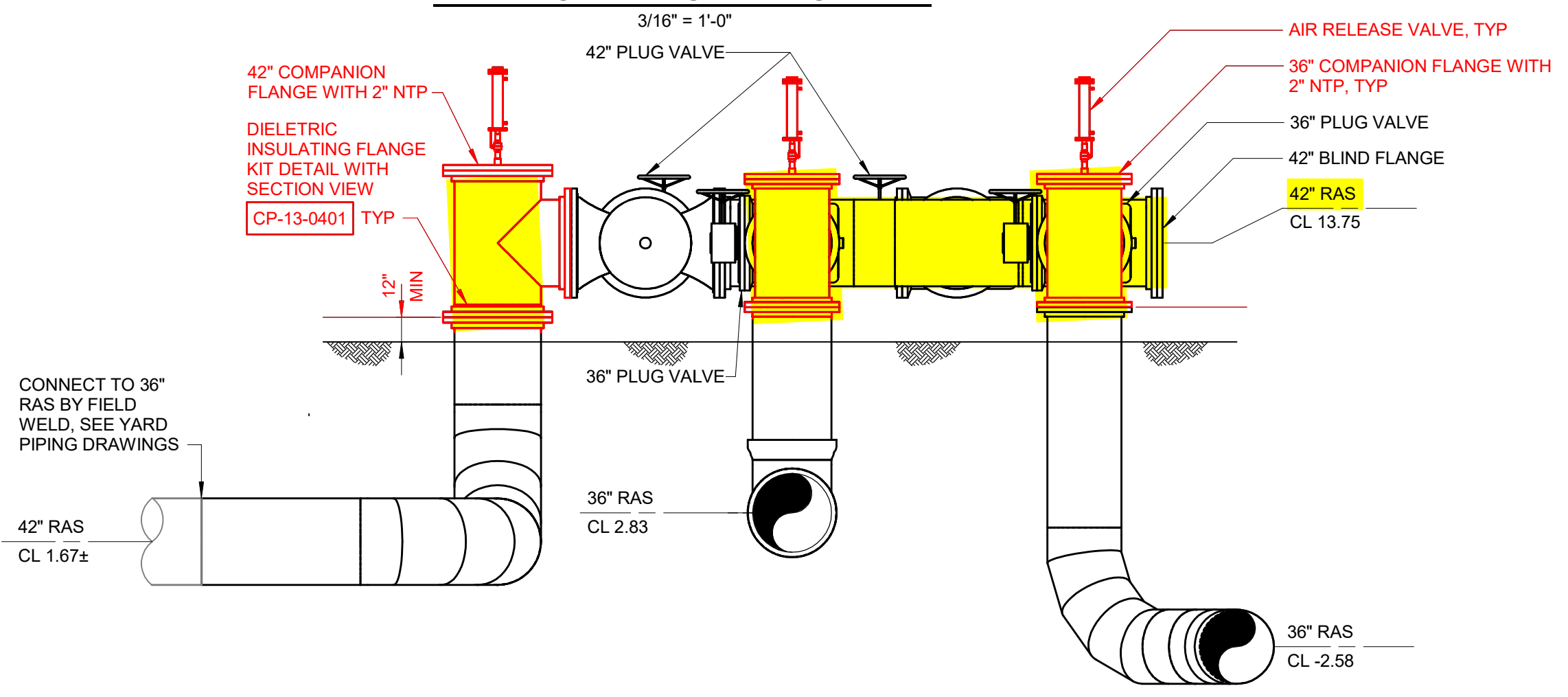
- NOTES:
- PER THE CONSTRUCTION SEQUENCE SPECIFIED IN SECTION 01010, REMOVE EXISTING ELBOW AND INSTALL 12"x12" TEE. 12"x12" TEE SHALL BE WELDED TO EXISTING 12" MA USING A CERTIFIED WELDER. WELD SHALL BE AIR TIGHT AND PRESSURE TESTED TO 10 PSI.
  - CONTRACTOR SHALL PROVIDE TEMPORARY BULKHEAD, REFERENCE SPECIFICATION SECTION 01010.
  - PER THE CONSTRUCTION SEQUENCE SPECIFIED IN SECTION 01010, REMOVE EXISTING PIPING AND INSTALL TEMPORARY 6"x6" TEE AND ASSOCIATED PIPING TO EXISTING 6" PVC PIPING WITH THE USE OF A FLEXIBLE PVC COUPLING.

TEMPORARY EAST INTERCONNECT 1

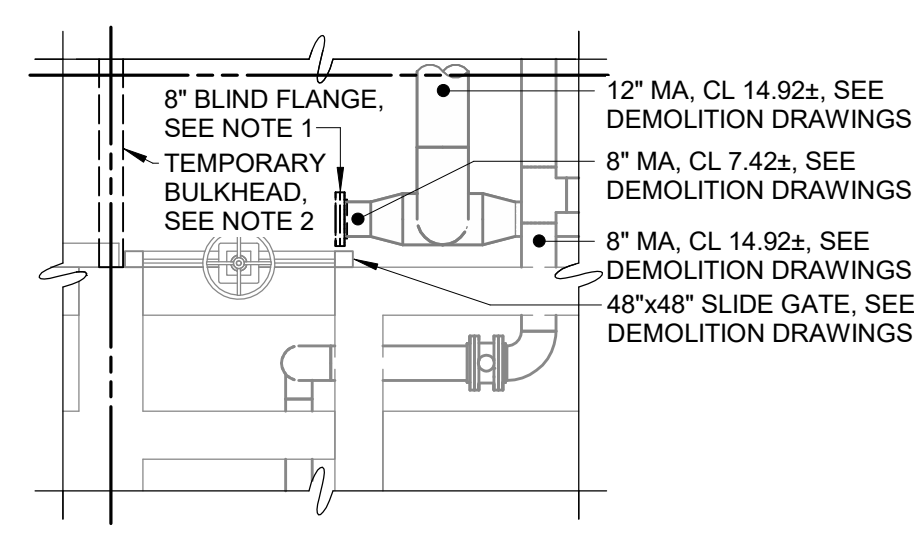
DETAIL	1
1/4" = 1'-0"	M302



DETAIL	4
1/4" = 1'-0"	M312



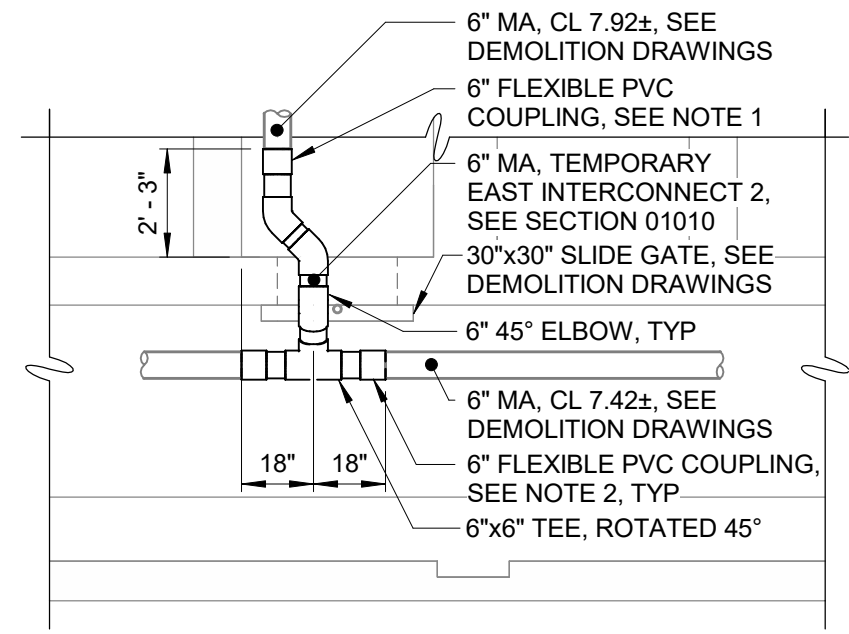
SECTION S  
3/16" = 1'-0"  
M324



- NOTES:
- PER THE CONSTRUCTION SEQUENCE SPECIFIED IN SECTION 01010, CONTRACTOR SHALL TEMPORARILY INSTALL BLIND FLANGES SO WEST INTERCONNECT 1 CAN OPERATE.
  - CONTRACTOR SHALL PROVIDE TEMPORARY BULKHEAD, REFERENCE SPECIFICATION SECTION 01010.

TEMPORARY EAST INTERCONNECT 2

DETAIL	2
1/4" = 1'-0"	M302



- NOTES:
- PER THE CONSTRUCTION SEQUENCE SPECIFIED IN SECTION 01010, CONTRACTOR SHALL REMOVE THE EXISTING PVC PIPING AND CONNECT A TEMPORARY PIPE WITH THE USE OF A FLEXIBLE PVC COUPLING.
  - PER THE CONSTRUCTION SEQUENCE SPECIFIED IN SECTION 01010, REMOVE EXISTING PIPING AND INSTALL TEMPORARY 6"x6" TEE AND ASSOCIATED PIPING TO EXISTING 6" PVC PIPING WITH THE USE OF A FLEXIBLE PVC COUPLING.

TEMPORARY EAST INTERCONNECT 3

DETAIL	3
1/4" = 1'-0"	M302

**PRELIMINARY**  
**Not for Construction**  
FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

See DCM 006 for changes regarding link seals and wall penetrations

PROJECT ENGINEER:	A. BRIGGS
DESIGNED BY:	J. HARTWIG
DRAWN BY:	S. HAKONSON
CHECKED BY:	HAZEN
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"



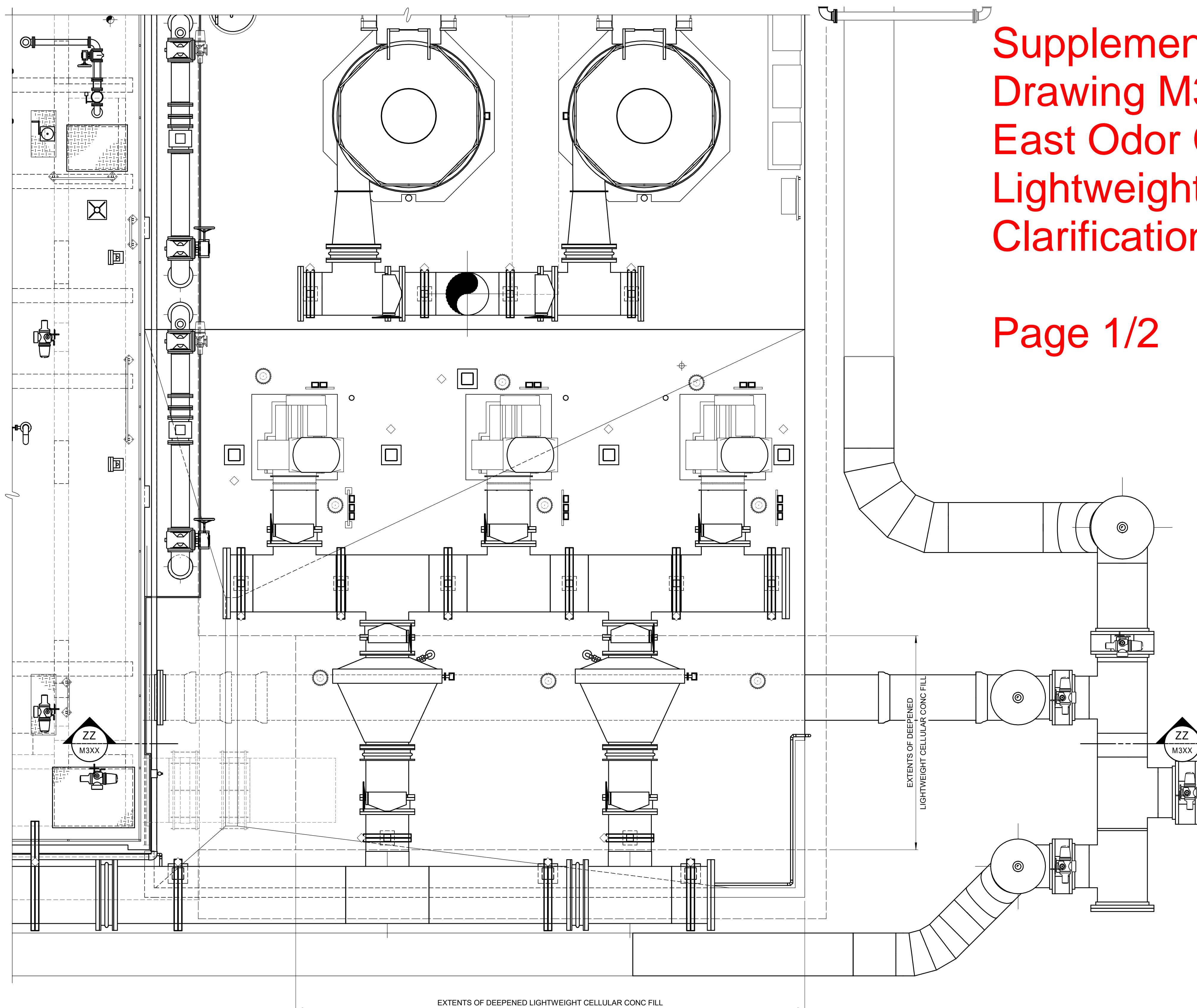
ENHANCED TREATMENT AND SITE UPGRADE PROGRAM  
PHASE 1A - AERATION BASIN MODIFICATIONS

AERATION BASINS 1-4  
MECHANICAL SECTIONS AND DETAILS - SHEET 4

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M324
SHEET NUMBER:	

Supplemental Information to  
Drawing M355. 36" RAS under  
East Odor Control Joint and  
Lightweight Cellular Fill Limits  
Clarification.

Page 1/2



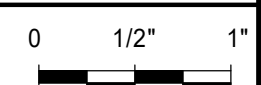
PLAN  
1/4" = 1'-0"

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

E:\M\_000\20118\_002\_Union Sanitary District\20118\_002\_300-AB14-M.rvt 2/26/2023 3:55:57 PM

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	A. BRIGGS
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	



**Hazen**  
HAZEN AND SAWYER  
102 MISSION STREET, SUITE 500  
SAN FRANCISCO, CALIFORNIA 94105



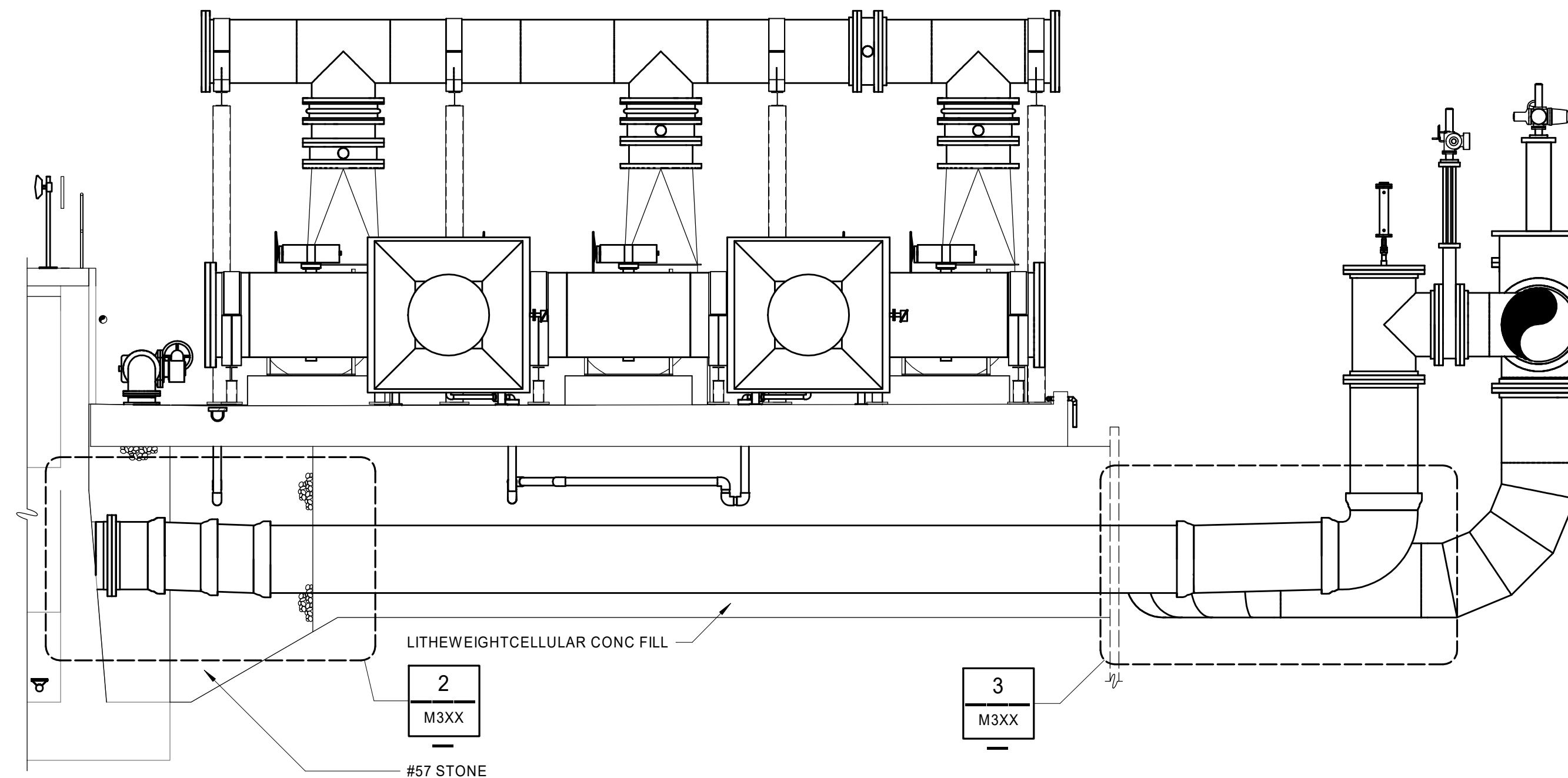
ENHANCED TREATMENT  
AND SITE UPGRADE  
PROGRAM  
  
PHASE 1A -  
AERATION BASIN  
MODIFICATIONS

AERATION BASINS 1-4 ODOR CONTROL  
MECHANICAL  
PLAN

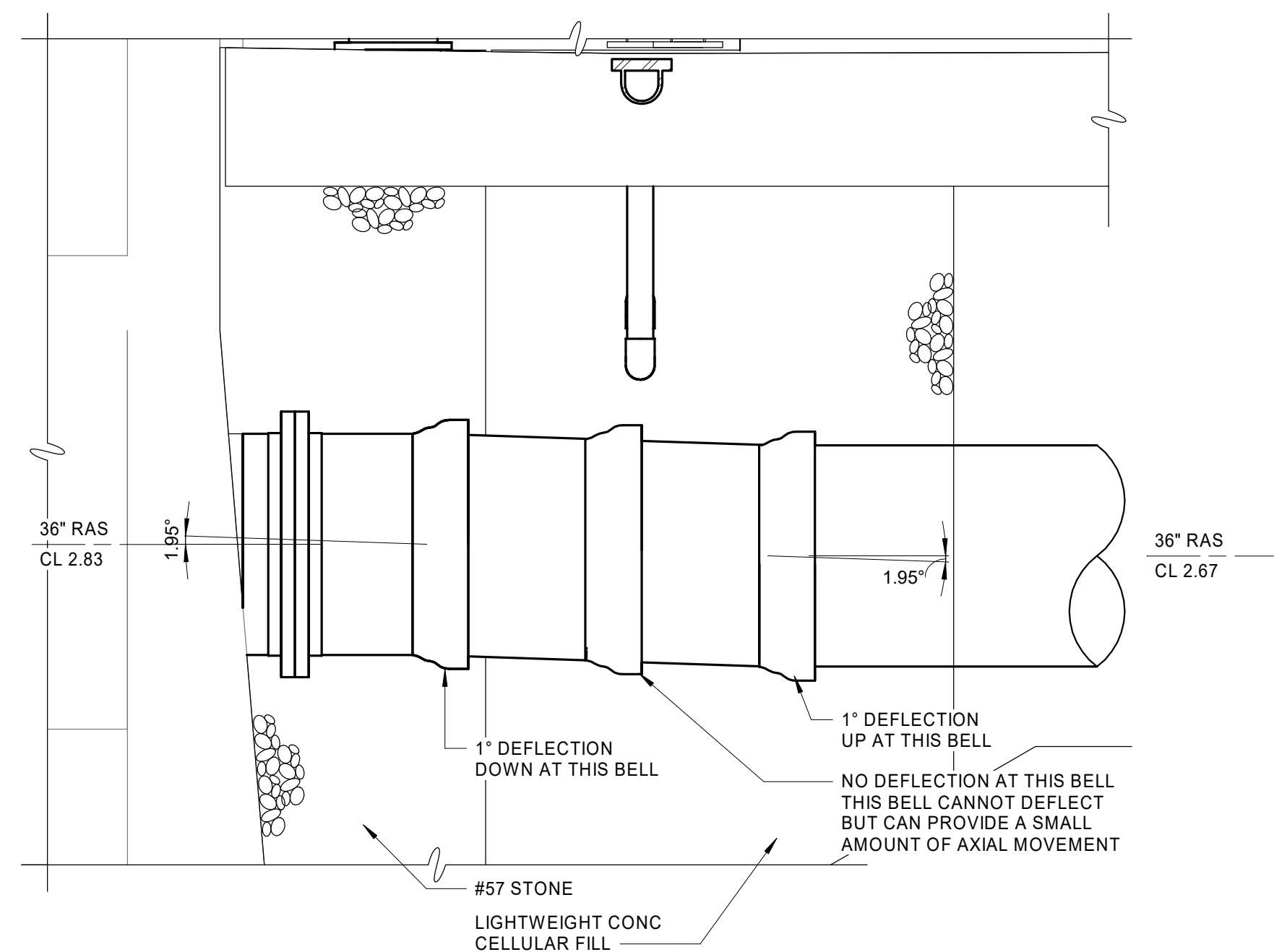
DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M3YY
SHEET NUMBER:	

Supplemental Information to Drawing M356. 36" RAS under East Odor Control Joint and Lightweight Cellular Fill Limits Clarification. RAS Piping under Odor Control Slab to be installed flat.

Page 2/2

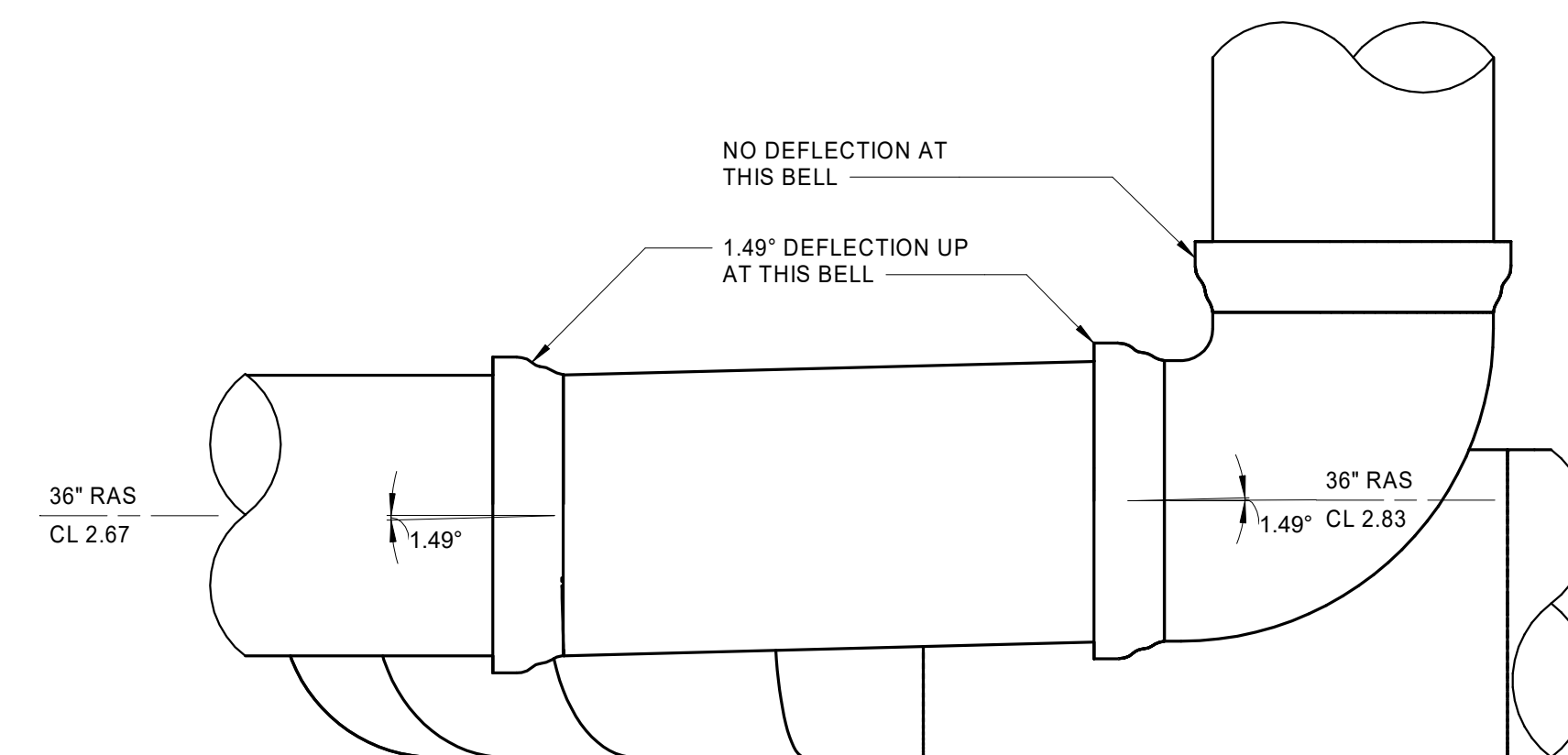


SECTION ZZ  
3/16" = 1'-0" M3YY



DETAIL 2  
1/2" = 1'-0" M3XX

INSTALL RAS PIPING FLAT, WITHOUT DEFLECTION.



DETAIL 3  
1/2" = 1'-0" M3XX

INSTALL RAS PIPING FLAT, WITHOUT DEFLECTION.

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	A. BRIGGS
DESIGNED BY:	Designer
DRAWN BY:	Author
CHECKED BY:	Checker
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	

**Hazen**

HAZEN AND SAWYER  
102 MISSION STREET, SUITE 500  
SAN FRANCISCO, CALIFORNIA 94105



ENHANCED TREATMENT AND SITE UPGRADE PROGRAM

PHASE 1A - AERATION BASIN MODIFICATIONS

AERATION BASINS 1-4 ODOR CONTROL MECHANICAL SECTIONS AND DETAILS

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M3XX
SHEET NUMBER:	



- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 316 SST, Sch 10 - Submerged

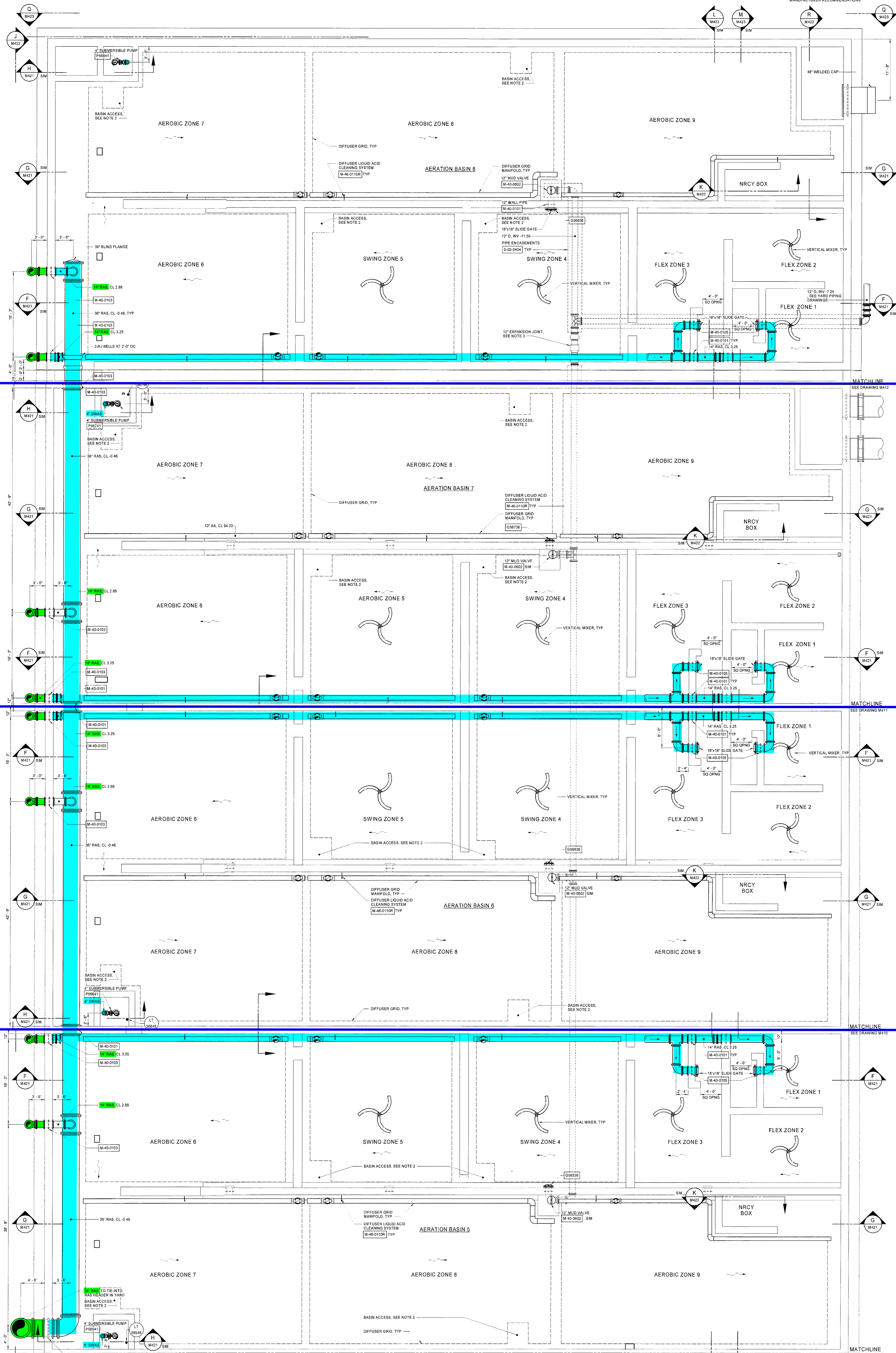
NOTES:  
 1. TREATMENT ZONES AND ASSOCIATED DIFFUSER GRIDS (WHERE APPLICABLE) ARE SHOWN PROVISIONALLY. SEE SECTION 46.01.33 FOR ZONE DIMENSIONS, GRID SIZE, QUANTITY OF DIFFUSERS, QUANTITY OF POWER, QUANTITY OF AIR FLOW, ROW SPACE AND DIFFUSER SPACING REQUIRED FOR TREATMENT ZONES.  
 2. PROVIDE 4'-0" x 4'-0" SPACE FREE OF OBSTRUCTIONS AT INDICATED LOCATIONS. OBSTRUCTION FREE SPACE INCLUDES ALL SPACE ABOVE INDICATED AREA.  
 3. PROVIDE FLEXIBLE POWER BALANCED FLEXIBLE EXPANSION JOINT OR EQUAL COORDINATE BACKFILL REQUIREMENTS WITH SPECIFICATION 31.05.01 AND MANUFACTURER RECOMMENDATIONS.

**BASIN 8  
M412**

**BASIN 7  
M411**

**BASIN 6  
M410**

**BASIN 5  
M409**



See DCM 006 for changes regarding link seals and wall penetrations

**PRELIMINARY  
Not for Construction**

**NORTH** ↑

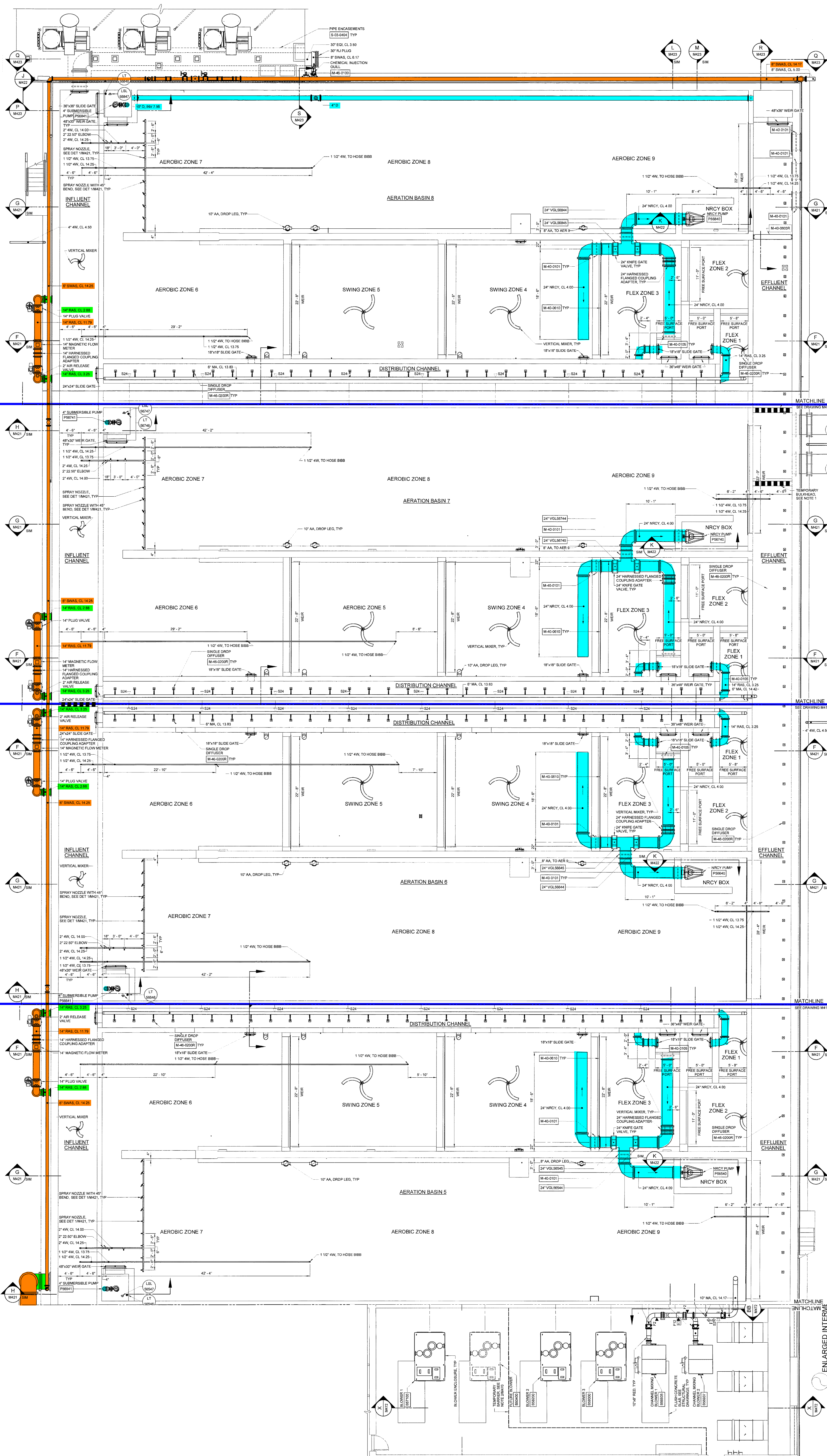
- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 304 SST, Sch 10 - Exposed
- Change from DIP to 316 SST, Sch 10 - Submerged

**BASIN 8  
M416**

**BASIN 7  
M415**

**BASIN 6  
M414**

**BASIN 5  
M413**



See DCM 006 for changes regarding link seals and wall penetrations

**PRELIMINARY**  
**Not for Construction**



 Change from DIP to 304 SST, Sch 10 - Exposed

NOTES  
1. SEE STRUCTURAL DRAWINGS FOR PIPE SUPPORT TABLES AND DETAILS  
2. CONTRACTOR SHALL PROVIDE SUPPORTS FOR PIPING LESS THAN 1" PER SECTION 48.05 OF PROVIDED SPECIFICATIONS. ALLOW FOR THE EXPANSION AND CONTRACTION OF THE SUPPORTED PIPE.

BASIN 8  
M420

BASIN 7  
M419

BASIN 6  
M418

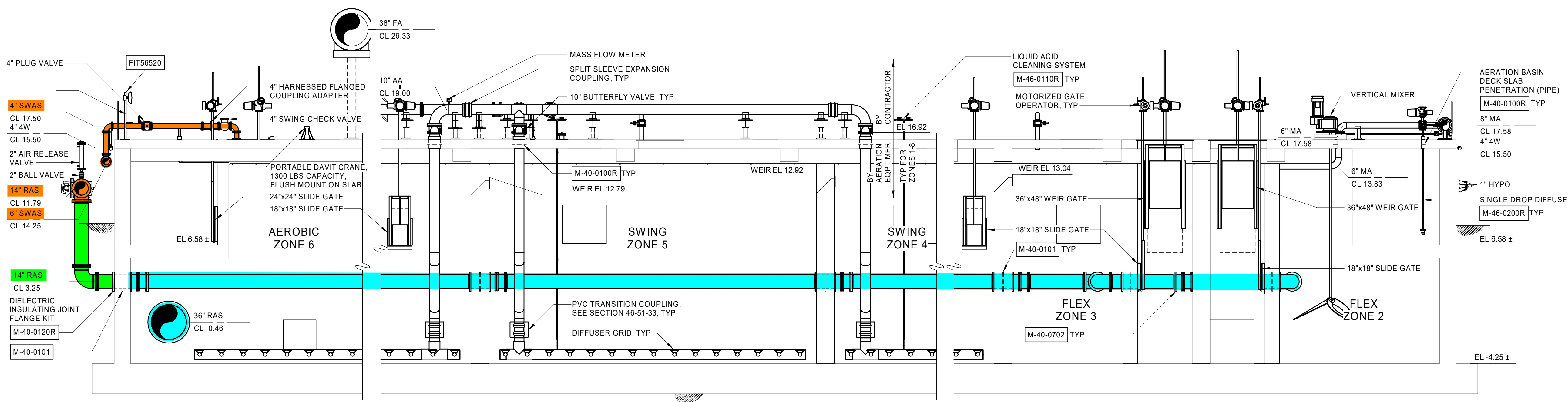
BASIN 5  
M417



**PRELIMINARY**  
**Not for Construction**

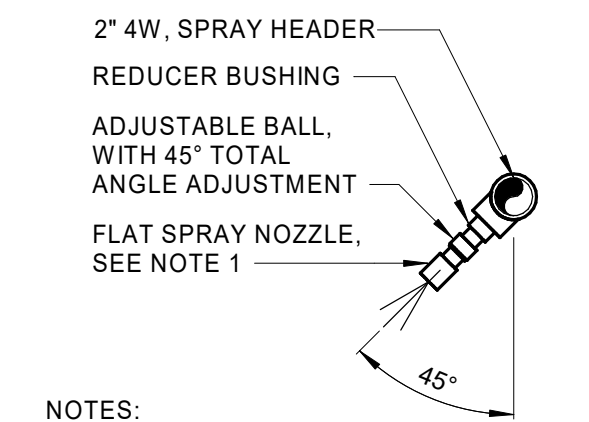
See DCM 006 for changes regarding link seals and wall penetrations





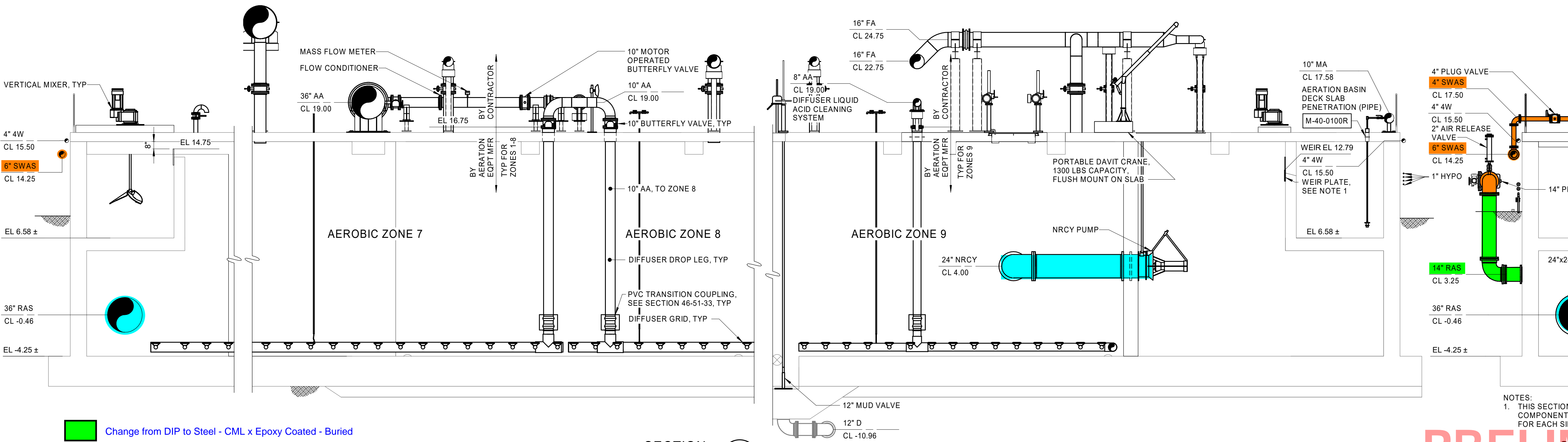
SECTION F  
3/16" = 1'-0" M409

- NOTES:
- PROPOSED WEIR SHALL BE INSTALLED AT INDICATED ELEVATION AND SHALL BE INSTALLED PER STANDARD DETAIL M-40-0601.
  - TREATMENT ZONES AND ASSOCIATED DIFFUSER GRIDS (WHERE APPLICABLE) ARE SHOWN PICTORIALLY. SEE SECTION 46 51 33 FOR ZONE DIMENSIONS, GRID SIZE, QUANTITY OF DIFFUSERS, QUANTITY OF ROWS, QUANTITY OF DIFFUSER SADDLES, ROW SPACING AND DIFFUSER SPACING REQUIRED FOR TREATMENT ZONES.



- NOTES:
- SPRAY NOZZLES SHALL BE FLAT FAN PATTERN, WITH A NOMINAL FAN ANGLE OF 45-50°. NOZZLES SHALL BE SST, 3/8" NPT, MODEL H3/8U-SS 50 20 BY SPRAY SYSTEMS CO. NFD 15 45" BY BETE OR EQUAL. NOMINAL FLOW RATE FOR EACH NOZZLE AT 40 PSI SHALL BE 1.5 TO 2.0 GPM, WITH A TOTAL OF 23 NOZZLES INSTALLED AS SHOWN.

SPRAY NOZZLE  
DETAIL 1  
1" = 1'-0" M420



SECTION G  
3/16" = 1'-0" M409

- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 304 SST, Sch 10 - Exposed
- Change from DIP to 316 SST, Sch 10 - Submerged

- NOTES:
- THIS SECTION DETAILS THE PUMP REMOVAL COMPONENTS TO BE PROVIDED BY THE CONTRACTOR FOR EACH SIMILAR PUMP APPLICATION.

PRELIMINARY  
Not for Construction

See DCM 006 for changes regarding link seals and wall penetrations

2	CONFORMED	2/22	APB
1	CONSTRUCTION	9/21	APB
REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	A. BRIGGS
DESIGNED BY:	J. HARTWIG
DRAWN BY:	C. SCHLOSSBERG
CHECKED BY:	HAZEN

**Hazen**  
HAZEN AND SAWYER  
102 MISSION STREET, SUITE 500  
SAN FRANCISCO, CALIFORNIA 94105

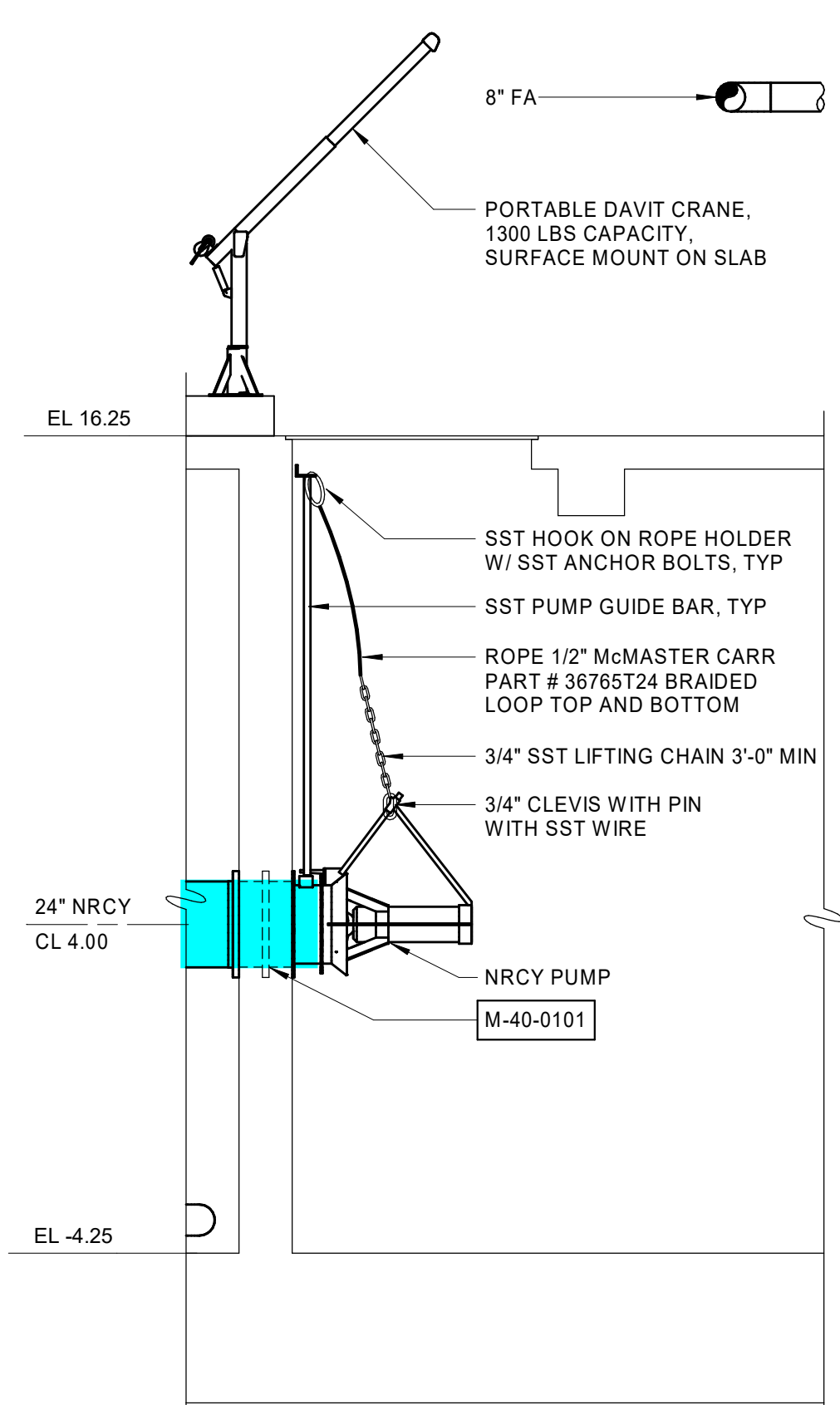
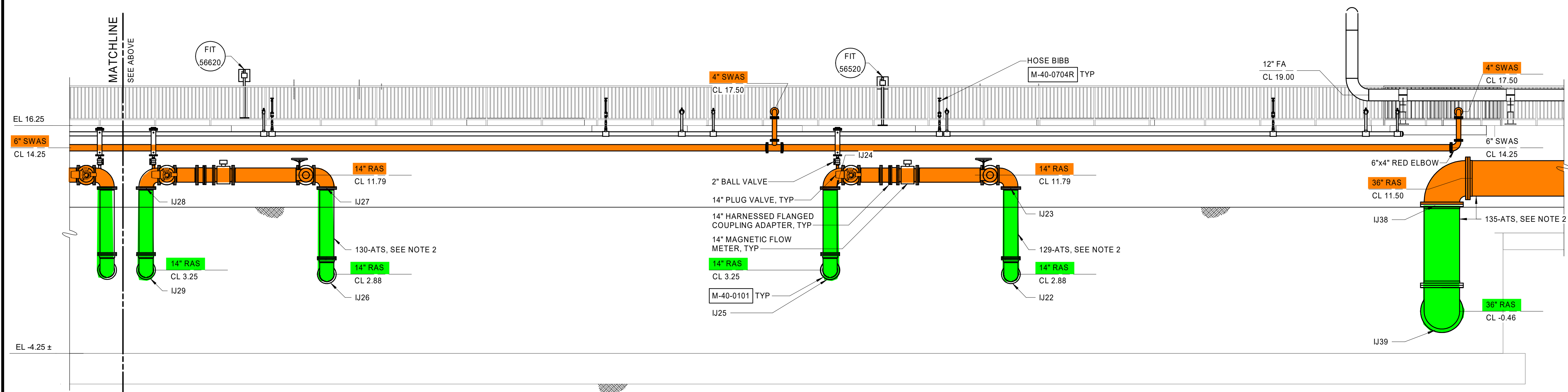
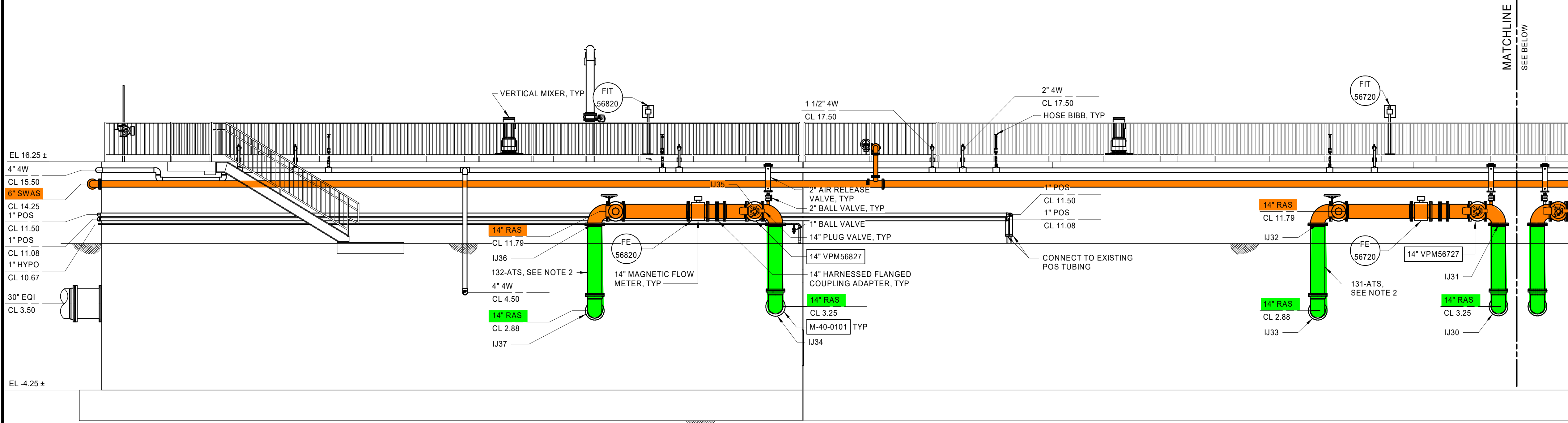


ENHANCED TREATMENT AND SITE UPGRADE PROGRAM  
PHASE 1A - AERATION BASIN MODIFICATIONS

AERATION BASINS 5-8  
MECHANICAL SECTIONS AND DETAILS - SHEET 1

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M421
SHEET NUMBER:	

- NOTES:
1. IJ## DENOTES PIPE INSULATION JOINT TYPE. SEE CP1 FOR INSULATION JOINT SCHEDULE.
  2. SEE GALVANIC ANODE BED SCHEDULE ON CP1.



- NOTES:
1. THIS SECTION DETAILS THE PUMP REMOVAL COMPONENTS TO BE PROVIDED BY THE CONTRACTOR FOR EACH SIMILAR PUMP APPLICATION.

See DCM 006 for changes regarding link seals and wall penetrations

- Change from DIP to Steel - CML x Epoxy Coated - Buried
- Change from DIP to 304 SST, Sch 10 - Exposed
- Change from DIP to 316 SST, Sch 10 - Submerged

SECTION J  
3/16" = 1'-0"

SECTION K  
1/4" = 1'-0"

**PRELIMINARY**  
**Not for Construction**

CONFORMED DRAWINGS

2	CONFORMED	2/22	APB
1	CONSTRUCTION	9/21	APB
REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	A. BRIGGS
DESIGNED BY:	J. HARTWIG
DRAWN BY:	C. SCHLOSSBERG
CHECKED BY:	HAZEN
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY ALLAN P. BRIGGS, SEAL NUMBER C74243
THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY VICTORIA L. BOSCHMANS, SEAL NUMBER C92065

**Hazen**  
HAZEN AND SAWYER  
102 MISSION STREET, SUITE 500  
SAN FRANCISCO, CALIFORNIA 94105

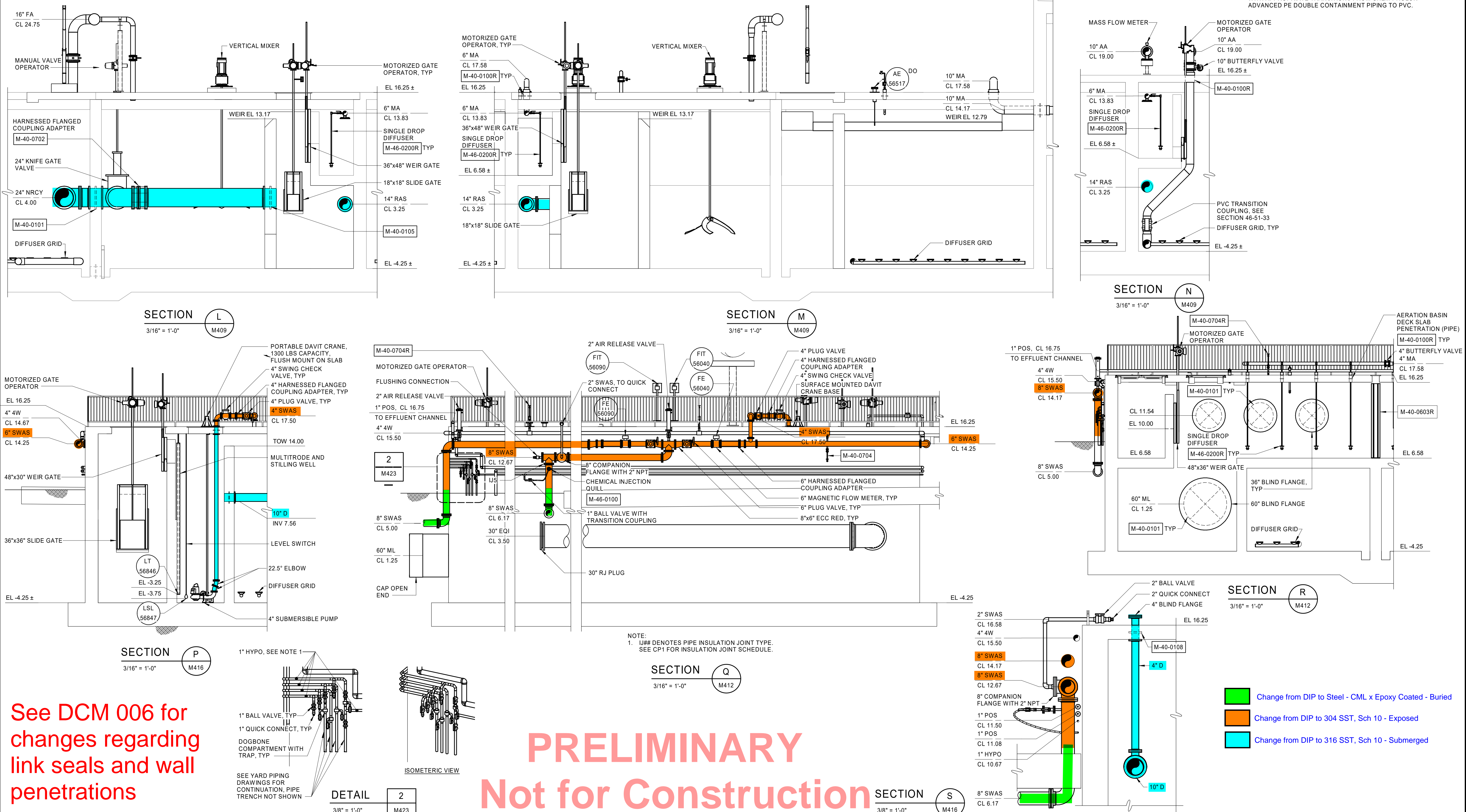
**USD**  
UNION SANITARY DISTRICT

ENHANCED TREATMENT AND SITE UPGRADE PROGRAM  
PHASE 1A - AERATION BASIN MODIFICATIONS

AERATION BASINS 5-8  
MECHANICAL SECTIONS AND DETAILS - SHEET 2

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M422
SHEET NUMBER:	

NOTE:  
 1. CONTRACTOR SHALL PROVIDE PLAST-O-MATIC MODEL DGV050V-PV DEGASSING VALVE. VALVE SHALL BE PVC MOUNTED TO TEE WITH APPROPRIATE TRANSITIONS FROM CHEM PROLOK ADVANCED PE DOUBLE CONTAINMENT PIPING TO PVC.



See DCM 006 for changes regarding link seals and wall penetrations

**PRELIMINARY**  
**Not for Construction**

CONFORMED DRAWINGS

PROJECT ENGINEER:	A. BRIGGS
DESIGNED BY:	J. HARTWIG
DRAWN BY:	C. SCHLOSSBERG
CHECKED BY:	HAZEN
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY ALLAN P. BRIGGS, SEAL NUMBER C74243

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY VICTORIA L. BOSCHMANS, SEAL NUMBER C92065



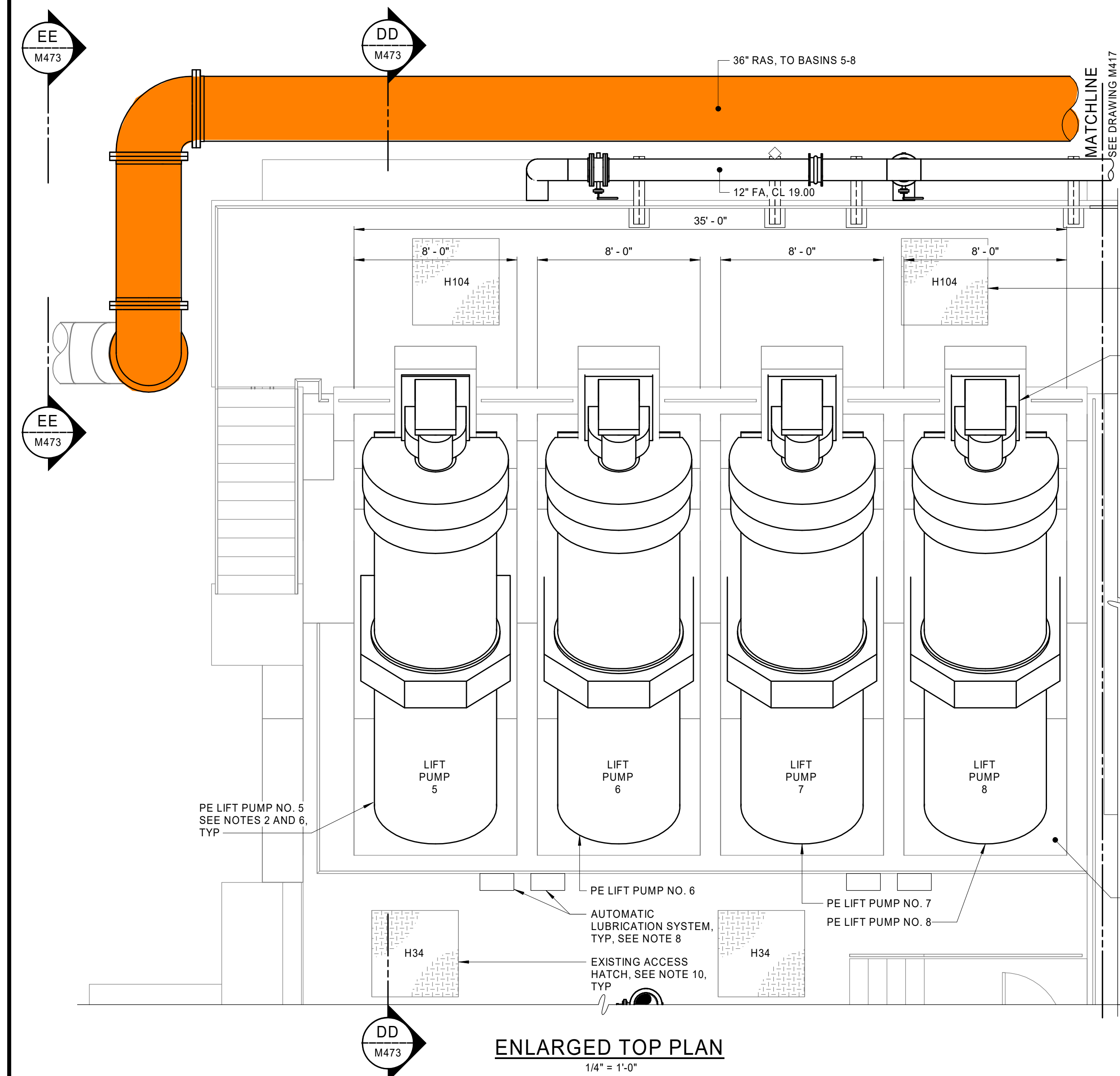
ENHANCED TREATMENT AND SITE UPGRADE PROGRAM

PHASE 1A - AERATION BASIN MODIFICATIONS

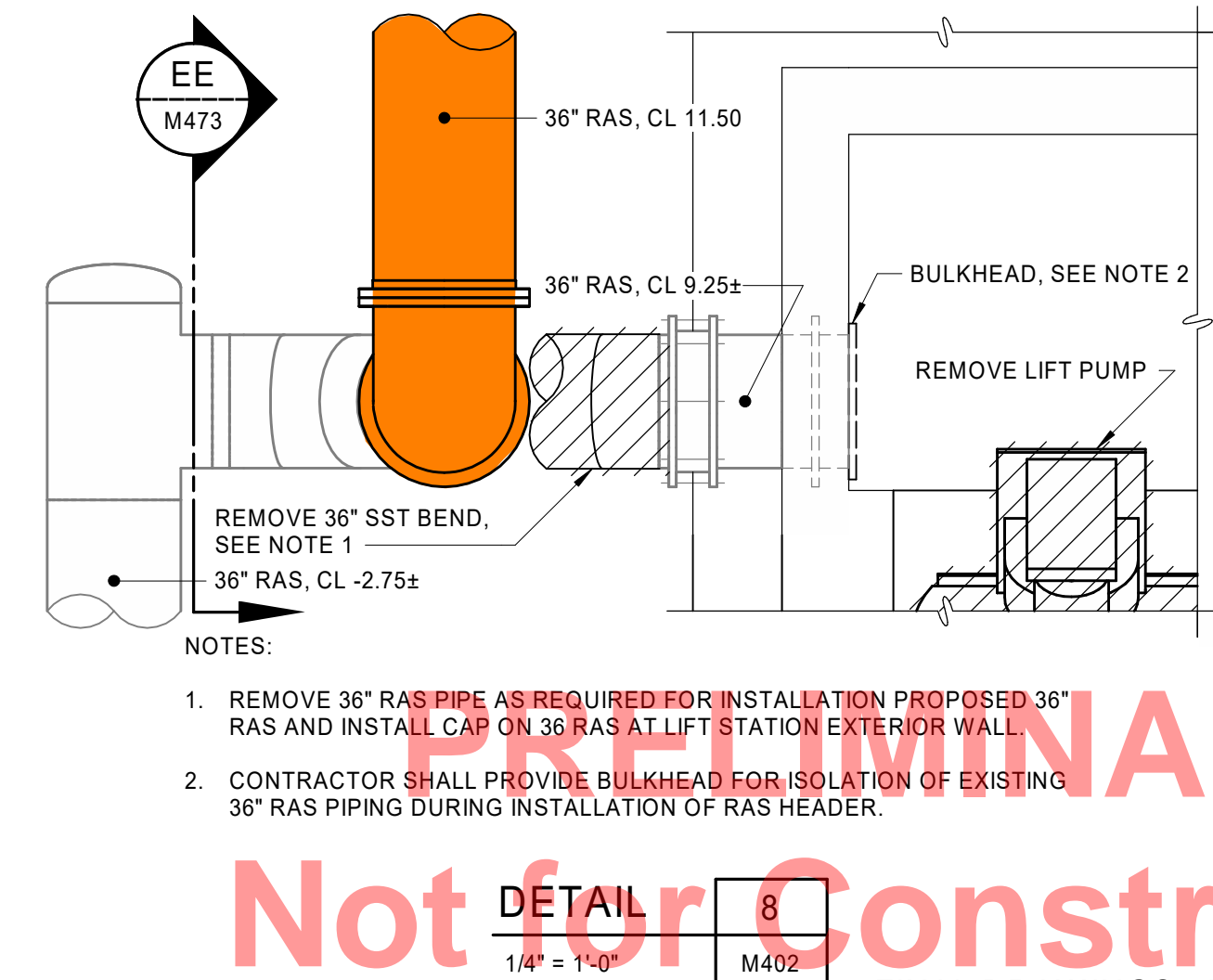
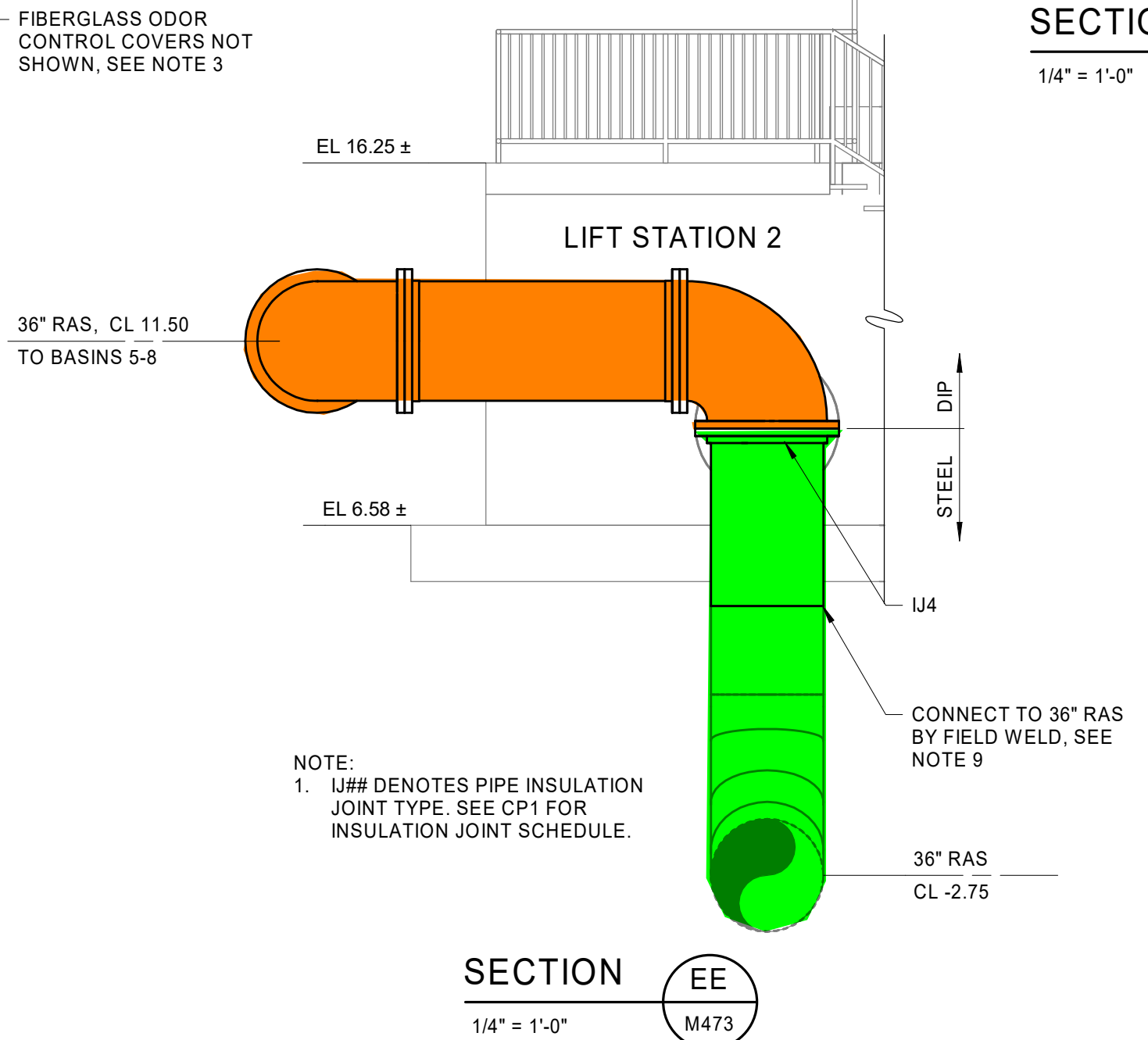
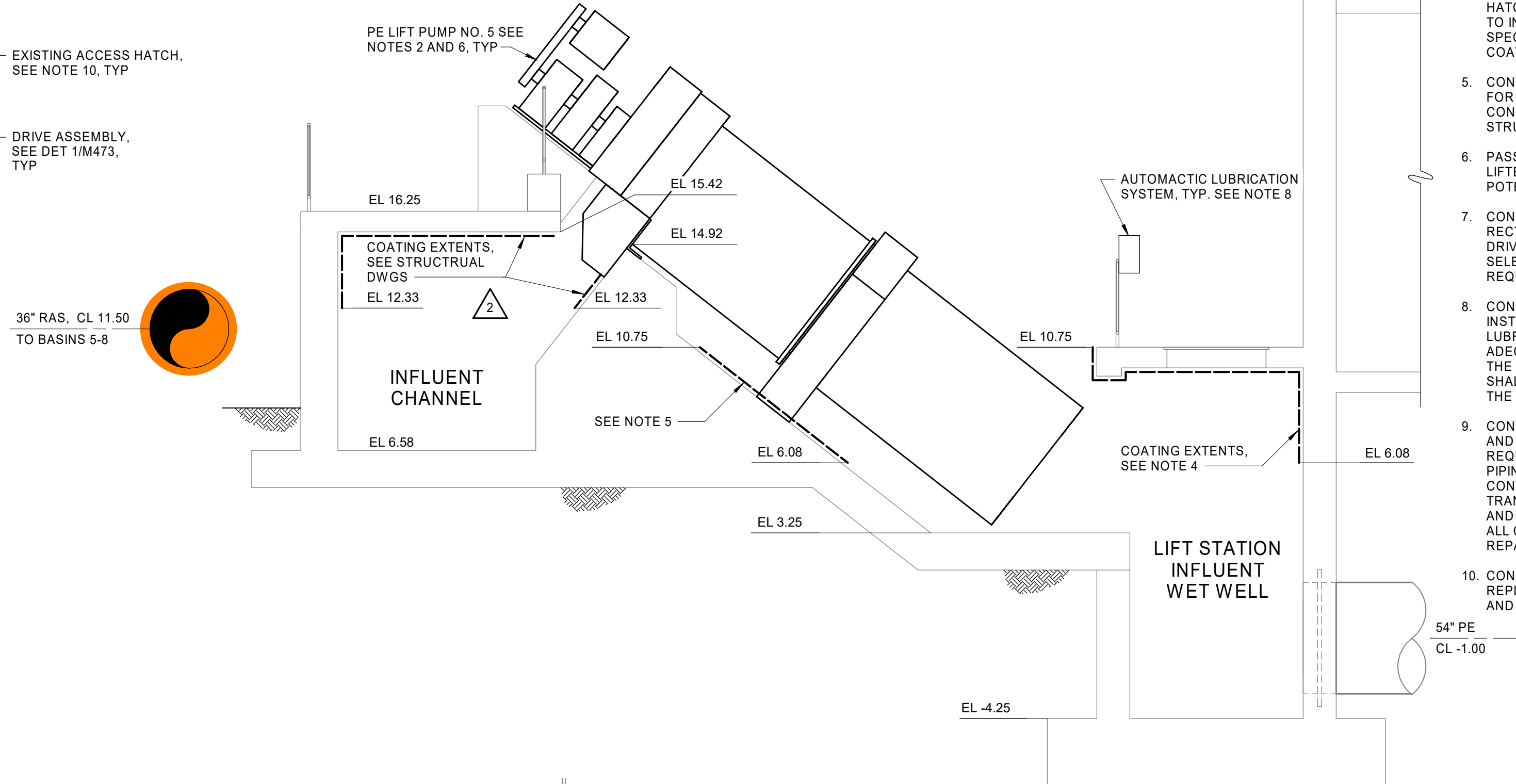
AERATION BASINS 5-8  
 MECHANICAL SECTIONS AND DETAILS - SHEET 3

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M423
SHEET NUMBER:	

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Change from DIP to Steel - CML x Epoxy Coated - Buried  
 Change from DIP to 304 SST, Sch 10 - Exposed



- NOTES:**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
  - CONTRACTOR SHALL REPLACE PRIMARY EFFLUENT LIFT PUMP AND ASSOCIATE APPURTENANCES IN ACCORDANCE WITH SPECIFICATION 42 24 41.13. REHABILITATION OF EACH PUMP SHALL BE CONSIDERED AS PART OF THE APPROPRIATE BID ALTERNATE IN THE BID SCHEDULE.
  - CONTRACTOR SHALL REMOVE AND STORE FIBERGLASS ODOR CONTROL COVERS FOR REINSTALLATION AFTER INSTALLATION OF NEW PE LIFT PUMPS.
  - POLYURETHANE MICROBIOLOGICALLY INFLUENCED CORROSION (MIC) COATING SHALL COVER INTERIOR CONCRETE SURFACES AS INDICATED. COATING SHALL BE APPLIED TO SLAB UNDERSIDE, INTERIOR OF HATCH OPENINGS, BEAMS, AND WALLS DOWN TO INDICATED ELEVATIONS. SEE SPECIFICATION 09 96 60 - POLYURETHANE MIC COATINGS.
  - CONTRACTOR SHALL DETERMINE LOCATIONS FOR NEW ANCHOR BOLTS INTO EXISTING CONCRETE STRUCTURE AND PERFORM STRUCTURAL MODIFICATIONS AS REQUIRED.
  - PASSIVATED STAINLESS STEEL SHALL NOT BE LIFTED WITH ANYTHING THAT WILL POTENTIALLY CONTAMINATE IT WITH CARBON.
  - CONTRACTOR SHALL DETERMINE AND RECTIFY DIFFERENCES BETWEEN EXISTING DRIVE ASSEMBLY MOUNTING BASE AND SELECTED PUMP DIMENSIONAL REQUIREMENTS.
  - CONTRACTOR SHALL COORDINATE THE INSTALLATION LOCATION OF THE AUTOMATIC LUBRICATION SYSTEMS TO ENSURE ADEQUATE ACCESSIBILITY OF EQUIPMENT. THE GRAVITY DRIP BACK-UP RESERVOIR SHALL BE LOCATED IN THE SAME LOCATION AS THE EXISTING OILERS.
  - CONTRACTOR SHALL CHIP AWAY EXTERIOR AND INTERIOR CEMENTITIOUS COATING AS REQUIRED TO FIELD WELD THE EXISTING RAS PIPING TO THE PROPOSED RAS PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSITION MATERIALS BETWEEN PROPOSED AND EXISTING 42" RAS PIPING AS REQUIRED. ALL COATINGS ON EXISTING PIPE SHALL BE REPAIRED AS NEEDED AFTER INSTALLATION.
  - CONTRACTOR SHALL COORDINATE HATCH REPLACEMENT AND REPAIR WITH THE DETAILS AND SCHEDULE PROVIDED ON DRAWING S429.



**DRIVE ASSEMBLY MOUNTING**  
 PHOTO 1  
 NO SCALE M473

See DCM 006 for addition link seals and wall penetrations

PRELIMINARY  
Not for Construction

FINAL DRAWINGS - ISSUED FOR CONSTRUCTION

REV	ISSUED FOR	DATE	BY
3	CONFORMED	2/22	APB
2	ADDENDUM NO. 5	11/21	APB
1	CONSTRUCTION	9/21	APB

PROJECT ENGINEER:	A. BRIGGS
DESIGNED BY:	J. HARTWIG
DRAWN BY:	S. HAKONSON
CHECKED BY:	HAZEN

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0	1/2"	1"
---	---	------	----

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY ALLAN P. BRIGGS, SEAL NUMBER C74243

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION BY IRENE W. CHU, SEAL NUMBER C77624

**Hazen**  
 HAZEN AND SAWYER  
 102 MISSION STREET, SUITE 500  
 SAN FRANCISCO, CALIFORNIA 94105

**USD**  
 UNION SANITARY DISTRICT

ENHANCED TREATMENT AND SITE UPGRADE PROGRAM  
 PHASE 1A - AERATION BASIN MODIFICATIONS

LIFT STATION 2 PUMP REPLACEMENT  
 MECHANICAL PLANS SECTIONS AND DETAILS

DATE:	SEPTEMBER 2021
HAZEN NO.:	20118-002
USD NO.:	800-532
DRAWING NUMBER:	M473
SHEET NUMBER:	

# CONTRACT CHANGE ORDER 009 (Page 19 of 24)

Spec Section 40 06 20

PLANT PIPING SCHEDULE											
PIPE DESIGNATIONS		MATERIAL	BURIED PIPING		EXPOSED PIPING			DESIGN PRESSURE (PSI) <sup>1</sup>			
			TYPE OF JOINT	CLASS/ DESIGN	TYPE OF JOINT	CLASS/ DESIGN	HEAT TRACE <sup>2</sup>	WORKING	SURGE	RESTRAINT	FIELD TEST
AA	AERATION AIR	STAINLESS STEEL <sup>6</sup>	N/A	N/A	WELDED/ FLANGED <sup>4</sup>	SECTION 40 05 24.13	NO	9.0	13.0	13.0	13.0
D	DRAIN	> = 4" DIP	RESTRAINED	PRESSURE CLASS 350	FLANGED	CLASS 53	NO	10.0	10.0	N/A	10.0
		< 4" PVC / CPVC3	SOCKET	SCH 80	SOCKET/ FLANGED	SCH 80	NO				
EQI	EQUALIZATION INFLUENT	>12" CARBON STEEL	WELDED	SECTION 40 05 24.23	WELDED/ FLANGED <sup>4</sup>	SECTION 40 05 24.23	NO	15.0	20.0	25.0	20.0
FA	FOUL AIR	HDPE	WELDED	SECTION 40 05 36.13	N/A	N/A	NO	SECTION 40 05 36.13			
		FRP DUCT	N/A	N/A	SECTION 40 05 36.13	SECTION 40 05 36.13	NO				
HYPO	SODIUM HYPOCHLORITE	>= 1" HDPE	WELDED	SECTION 40 05 33.1	WELDED	SECTION 40 05 33.1	NO	SECTION 40 04 33.1			
		< 1" BRAIDED REINFORCED PVC TUBING INSIDE 2" PVC	SECTION 40 05 31	N/A	SECTION 40 05 31	N/A	NO	SECTION 40 05 31			
		ODOR CONTROL SERVICE: 5/8" ID PFA TUBING INSIDE PVC	SECTION 40 05 31	N/A	SECTION 40 05 31	N/A	NO	SECTION 40 05 31			
MA	MIXING AIR	STAINLESS STEEL <sup>6</sup>	N/A	N/A	WELDED/ FLANGED <sup>4</sup>	SECTION 40 05 24.13	NO	SECTION 40 05 24.13			
ML	MIXED LIQUOR	DIP	N/A	N/A	FLANGED	CLASS 53	NO	10.0	10.0	N/A	10.0
		CARBON STEEL	WELDED	SECTION 40 05 24.23	N/A	N/A	NO	SECTION 40 05 24.23			
NRCY	NITRIFIED RECYCLE	DIP	N/A	N/A	FLANGED	CLASS 53	NO	2.0	3.0	5.0	5.0


  
 Steel - CML x Epoxy Coated, 304 Stainless Steel, or 316 Stainless Steel


  
 Struab Coupling

UNION SANITARY DISTRICT  
PHASE 1A IMPROVEMENTS

# CONTRACT CHANGE ORDER 009 (Page 20 of 24)

Spec Section 40 06 20

PLANT PIPING SCHEDULE											
PIPE DESIGNATIONS		MATERIAL	BURIED PIPING		EXPOSED PIPING			DESIGN PRESSURE (PSI) <sup>1</sup>			
			TYPE OF JOINT	CLASS/ DESIGN	TYPE OF JOINT	CLASS/ DESIGN	HEAT TRACE <sup>2</sup>	WORKING	SURGE	RESTRAINT	FIELD TEST
PD	PROCESS DRAIN	< 4" PVC / CPVC <sup>3</sup>	SOCKET	SCH 80	SOCKET	SCH 80	NO	20.0	25.0	25.0	25.0
		> = 4" DIP	N/A	N/A	FLANGED	CLASS 53	NO				
PE	PRIMARY EFFLUENT	DIP	RESTRAINED	PRESSURE CLASS 350	FLANGED	CLASS 53	NO	20.0	35.0	50.0	40.0
		CARBON STEEL <sup>8</sup>	WELDED	SECTION 40 05 24.23	WELDED/ FLANGED <sup>4</sup>	SECTION 40 05 24.23	NO	SECTION 40 05 24.23			
POS	POLYMER SOLUTION	HDPE	WELDED	SECTION 40 05 33.1	WELDED	SECTION 40 05 33.1	NO	SECTION 40 05 33.1			
RAS	RETURN ACTIVATED SLUDGE	DIP See Below	Struab Coupling	PRESSURE CLASS 350	Struab Coupling	CLASS 53	NO	20.0	35.0	50.0	40.0
		CARBON STEEL <sup>8</sup>	WELDED	SECTION 40 05 24.23	WELDED/ FLANGED <sup>4</sup>	SECTION 40 05 24.23	NO	SECTION 40 05 24.23			
SA	SAMPLE	< 4" PVC / CPVC <sup>3</sup>	SOCKET	SCH 80	SOCKET/ FLANGED	SCH 80	NO	10.0	10.0	N/A	10.0
SD	STORM DRAIN	PVC	SOCKET	SCH 80	N/A	N/A	NO	10.0	10.0	N/A	10.0
SPD	SUMP PUMP DISCHARGE	PVC / CPVC <sup>3</sup>	SOCKET	SCH 80	SOCKET/ FLANGED	SCH 80	NO				
SS	SANITARY SEWER GRAVITY	CARBON STEEL	WELDED	SECTION 40 05 24.23	WELDED/ FLANGED <sup>4</sup>	SECTION 40 05 24.23	NO	5.0	5.0	N/A	5.0
SWAS	SURFACE WASTING	> = 4" DIP	N/A	N/A	FLANGED	CLASS 53	NO	15.0	20.0	25.0	20.0
		< 4" PVC / CPVC <sup>3</sup>	N/A	N/A	SOCKET/ FLANGED	SCH 80	NO				
		PVC	SOCKET	SCH 80	N/A	N/A	NO				

Steel - CML x Epoxy Coated, 304 Stainless Steel, or 316 Stainless Steel

# Hazen *Design Clarification Memorandum*

June 27, 2022

**Owner:** Union Sanitary District (USD)

**Project Name:** Enhanced Treatment & Site Upgrade - Phase 1A

**Contractor:** W.M. Lyles Co.

**Design Engineer:** Hazen and Sawyer

**DC Title:** Aeration Basin Interior Wall Penetration to Link Seal Changes

**Spec/Dwg. Reference:** 40 06 20, M300-M400 Series      **DC No.:** 006

**Attachments:**

- PDF file titled "Alternate SST Layout - AB 1-8 (Hazen)"

---

**Information for Design Clarification:**

Following the bid and during the value engineering evaluation between the Owner, Contractor, and Design Engineer, the Contractor requested the following:

1. That core drilled openings with link-seals be an acceptable alternative to demolishing portions of the existing concrete walls in each aeration basin to install new wall pipes for the return activated sludge (RAS), surface waste activated sludge (SWAS), and nitrified recycle (NRCY) piping systems.

After review by the Owner and the Design Engineer, core drilled openings with link seals have been determined to be an acceptable alternative for the RAS and NRCY piping systems, in the locations shown in the attachment titled "Alternate SST Layout - AB 1-8 (Hazen)". The SWAS system is not included in the original mark-up from the Contractor and is not included in the attachment titled "Alternate SST Layout - AB 1-8 (Hazen)". Wall pipe modifications for the SWAS system are required to be submitted to the Owner and Design Engineer for approval.

In response to this Design Clarification Memorandum (DCM), the Design Engineer and the Owner request that the Contractor submit the following:

1. Product data sheets for the link seals.
2. Revised piping layouts showing the proposed locations of each wall pipe and core drill opening with link seals.

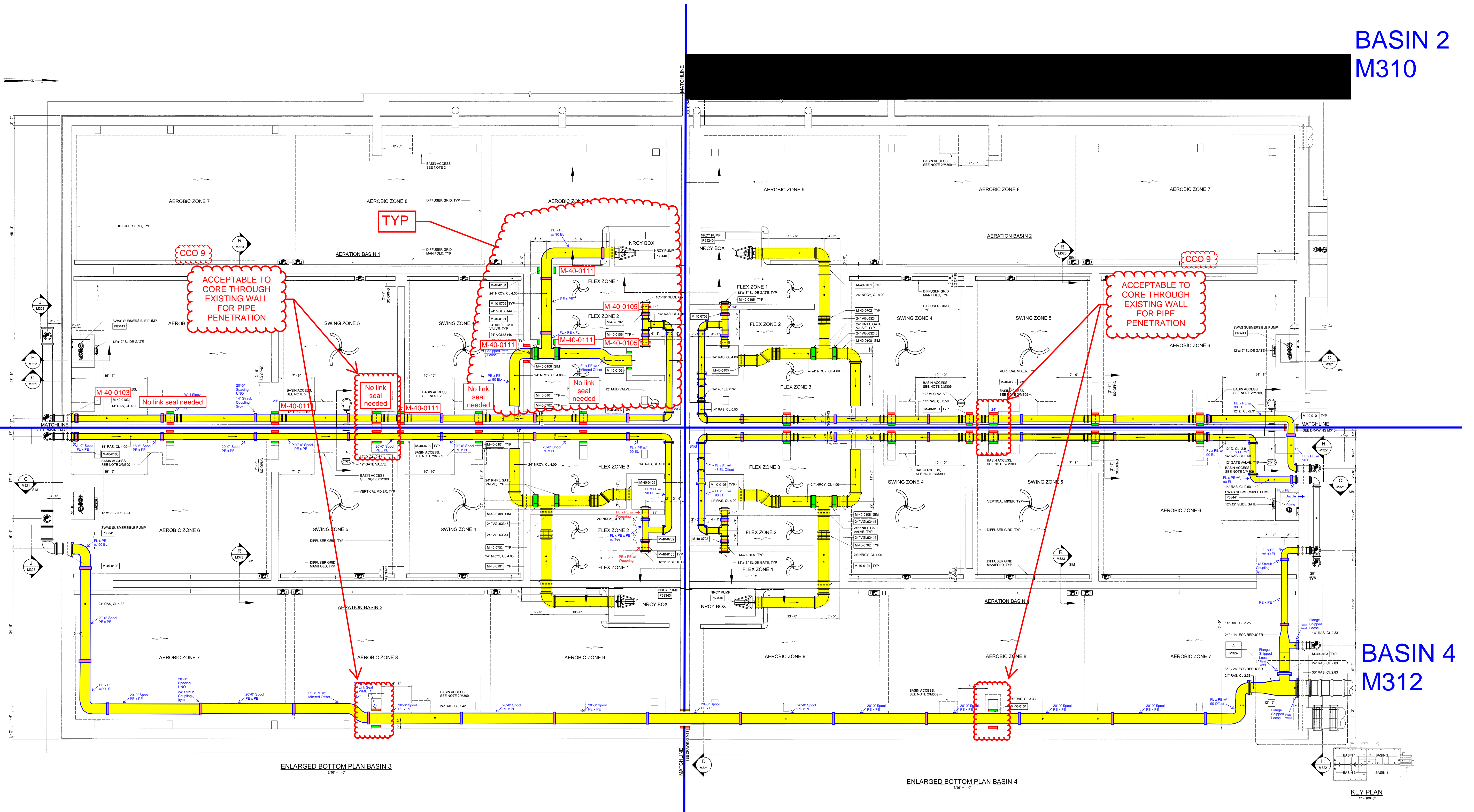
# AERATION BASINS 1-4 - BOTTOM PLAN

BASIN 1  
M309

BASIN 2  
M310

BASIN 3  
M311

BASIN 4  
M312





# AERATION BASINS 5-8 (MECH) - BOTTOM PLAN



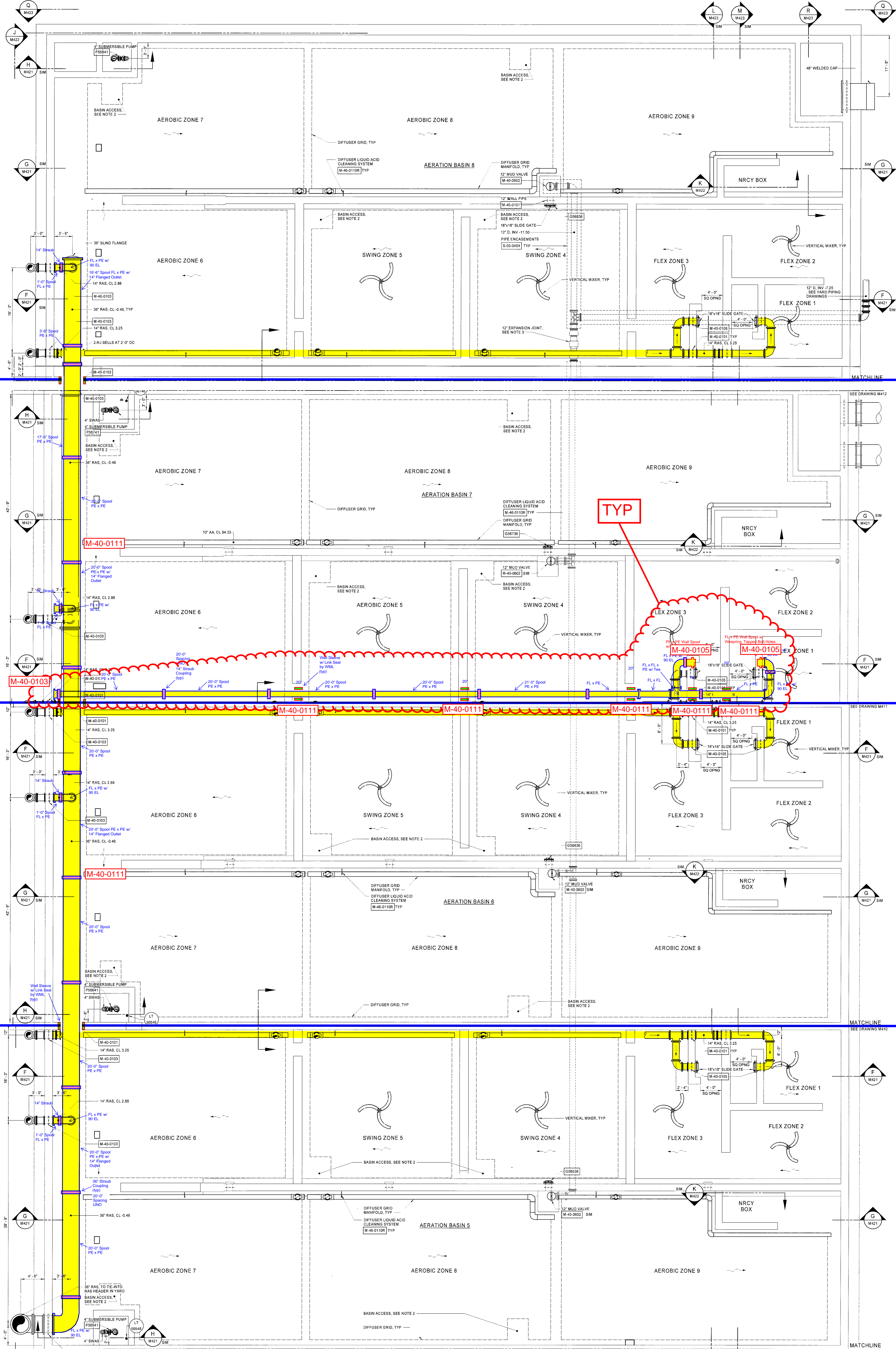
- NOTES:
1. TREATMENT ZONES AND ASSOCIATED DIFFUSER GRIDS (WHERE APPLICABLE) ARE SHOWN PROVISIONALLY. SEE SECTION 46-11.33 FOR ZONE DIMENSIONS, GRID SIZE, QUANTITY OF DIFFUSERS, QUANTITY OF ROWS, QUANTITY OF DIFFUSER SADDLES, ROW SPACING AND DIFFUSER SPACING REQUIRED FOR TREATMENT ZONES.
  2. PROVIDE A 4'-0" x 4'-0" SPACE FREE OF OBSTRUCTIONS AT INDICATED LOCATIONS. OBSTRUCTION FREE SPACE INCLUDES ALL SPACE ABOVE INDICATED AREA.
  3. PROVIDE FLEX TENS FORCE BALANCED FLEXIBLE EXPANSION JOINT OR EQUAL, COORDINATE BACKFILL REQUIREMENTS WITH SPECIFICATION TO 500-P AND MANUFACTURER RECOMMENDATIONS.

BASIN 8  
M412

BASIN 7  
M411

BASIN 6  
M410

BASIN 5  
M409



# AERATION BASINS 5-8 (MECH) - INTERMEDIATE PLAN

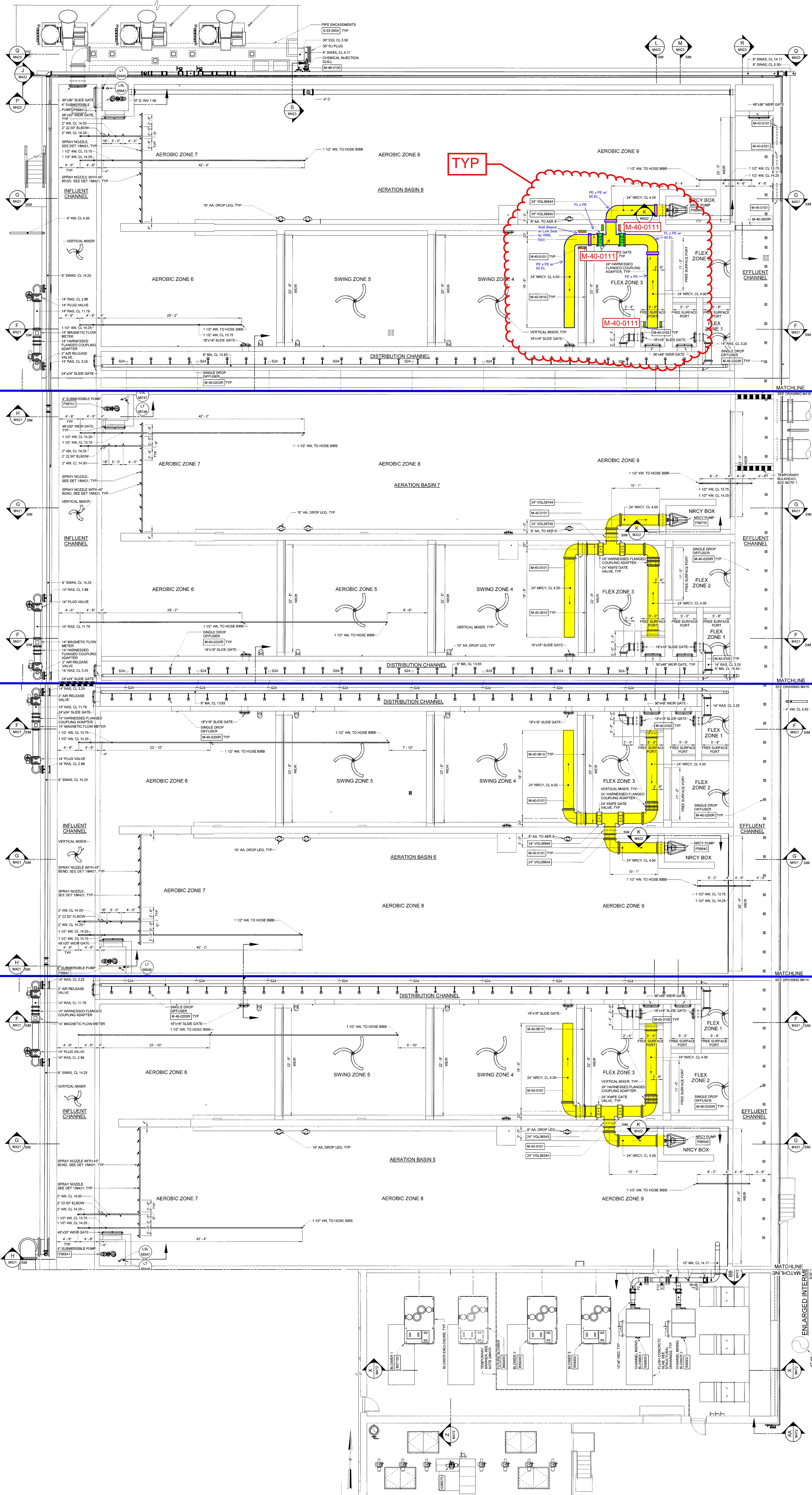
NORTH ↑

BASIN 8  
M416

BASIN 7  
M415

BASIN 6  
M414

BASIN 5  
M413



ENLARGED INTERMEDIATE PLAN

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #13**

**TITLE:** **Consideration of Board Resolution to Authorize Staff, Legal Counsel and Municipal Advisor to Prepare Documents for the Issuance of Interim Notes *(to be reviewed by the Budget & Finance Committee)* (Motion Item)**

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Mark Carlson, CFO, Business Services Workgroup Manager

**Recommendation**

Staff recommends the Board adopt a resolution to authorize staff, legal counsel and municipal advisors to prepare documents for the issuance of Interim Notes with Stradling Yocca Carlson & Rauth as Bond Counsel and Disclosure Counsel, Fieldman Rolapp & Associates as Municipal Advisor, and RBC as the Underwriters for the transaction.

**Discussion**

As communicated to the Board previously, staff has been working on funding options for the ETSU project with assistance from our financial advisor Fieldman Rolapp. After careful consideration of the funding options available, the recommendation is to proceed with a 4-year Interim Note issuance ranging from \$150 million to a not to exceed amount of \$199 million. These funds will be utilized to bridge the funding gap until WIFIA funds can be accessed in March 2028, at which time the Interim Notes will be repaid from the WIFIA funds.

Staff is recommending that legal counsel and municipal advisors prepare documents for the issuance of the Interim Notes to finance an estimated amount of capital projects ranging from \$150 million to a not to exceed amount of \$199 million. The documents that will be brought back to the Board for approval at a subsequent board meeting include but are not limited to the following:

- Installment Purchase Agreement
- Indenture of Trust
- Note Purchase Agreement
- Preliminary Official Statement
- Continuing Disclosure Agreement

The District resolution being presented for approval authorizes staff, legal counsel and municipal advisor to prepare documents for the issuance of the Interim Notes and approves the selection of the financing team who will begin drafting the necessary legal and disclosure documents and begin discussions with credit rating agency(s). Substantially, final versions of the financing documents will be brought back to the Board for consideration and approval at a future Board meeting.

Similar to the 2021A Bond financing, the notes will be issued through the Union Sanitary District Financing Authority that was created in 2020.

### **Background**

The Board met most recently in a workshop on November 15, 2023, where the updated ETSU financing plan was presented. At that time, the Board provided direction to proceed with the Interim Notes.

### **Previous Board Action**

None.

### **Attachments**

1. Reso Authorization to Proceed With Bond Issuance April 2024

RESOLUTION NO. \_\_\_\_\_

**A RESOLUTION TO AUTHORIZE UNION SANITARY DISTRICT TO ISSUE INTERIM NOTES WITH STRADLING YOCCA CARLSON & RAUTH AS BOND COUNSEL AND AS DISCLOSURE COUNSEL, FIELDMAN ROLAPP & ASSOCIATES AS MUNICIPAL ADVISOR, AND RBC AS THE UNDERWRITERS FOR THE TRANSACTION**

WHEREAS, Union Sanitary District (“District”) has been updating its wastewater capital needs indicating the need to fund a capital program ranging from \$150 million to \$199 million in interim notes for the ETSU Phase 1A and 1B projects; and

WHEREAS, authorize Stradling Yocca Carlson & Rauth, a Professional Corporation (“Stradling”) as Bond Counsel and Disclosure Counsel, Fieldman Rolapp & Associates as Municipal Advisor and proceed with RBC as the Underwriters for the transaction; and

WHEREAS, the Board of Directors of the District shall authorize not to exceed amounts for the transaction by Resolution at a regular meeting to be held at a later date.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Union Sanitary District does hereby authorize the General Manager to finance the District’s capital program with interim notes in a combined amount ranging from \$150 million to \$199 million and to execute engagement letters with Stradling as Bond Counsel and as Disclosure Counsel, Fieldman Rolapp & Associates as Municipal Advisor and RBC as the Underwriters for the transaction.

PASSED AND ADOPTED on April 22, 2024, by the Board of Directors of the Union Sanitary District by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

\_\_\_\_\_  
Manny Fernandez  
President, Board of Directors  
Union Sanitary District

ATTEST:

\_\_\_\_\_  
Tom Handly  
Secretary, Board of Directors  
Union Sanitary District

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #14**

**TITLE:** **Consider a Resolution of the Union Sanitary District Regarding its Intention to Reimburse Certain Costs From Proceeds of Tax-Exempt Obligations (*to be reviewed by the Budget & Finance Committee*) (*Motion Item*)**

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Mark Carlson, CFO, Business Services Workgroup Manager

**Recommendation**

Staff recommends the Board consider adopting a resolution of the Union Sanitary District stating its intention to reimburse certain project costs from proceeds of tax-exempt obligations

**Discussion**

As communicated to the Board previously, staff has been working on funding options for the ETSU project with assistance from our financial advisor Fieldman Rolapp. After careful consideration of the funding options available, the recommendation is to proceed with a 4-year Interim Note issuance ranging from \$150 million to a not to exceed amount of \$199 million. These funds would be utilized to bridge the funding gap until WIFIA funds can be accessed in March 2028, at which time the Interim Notes will be repaid from the WIFIA funds.

Under certain circumstances, projects to be financed with tax-exempt bonds may need to proceed prior to the issuance of the bonds. The Internal Revenue Code allows the District to reimburse project costs from tax-exempt bonds. The District takes an action to declare its intention for such reimbursement prior to the sale of the bonds.

In order to provide for the ability for the District to reimburse for project costs from proceeds of proposed tax-exempt bonds to be issued, a resolution presented states the District's intention regarding such reimbursement. Under the Internal Revenue Code, costs incurred up to 60 days prior to the date of the adoption of such resolution may be reimbursed from tax-exempt obligations.

**Background**

The Board met most recently in a workshop on November 15, 2023 where the updated ETSU financing plan was presented. At that time the Board provided direction to proceed with the Interim Notes.

**Previous Board Action**

None.

**Attachments**

1. Reimbursement Resolution April 2024

**A RESOLUTION OF THE UNION SANITARY DISTRICT REGARDING ITS  
INTENTION TO REIMBURSE CERTAIN COSTS FROM PROCEEDS OF TAX-  
EXEMPT OBLIGATIONS**

WHEREAS, the Board of Directors of the Union Sanitary District (the "Issuer") desires to finance the costs of acquiring certain public facilities and improvements, all as more fully described in Exhibit A attached hereto and incorporated herein (the "Project").

WHEREAS, the Issuer intends to finance the Project or portions of the Project with the proceeds of the sale of obligations the interest upon which is excluded from gross income for federal income tax purposes in one or more phases (the "Obligations").

WHEREAS, prior to the issuance of the Obligations the Issuer desires to incur certain expenditures with respect to the Project from available monies of the Issuer, which expenditures are desired to be reimbursed by the Issuer from a portion of the proceeds of the sale of the Obligations.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE UNION SANITARY DISTRICT AS FOLLOWS:

SECTION 1. The Issuer hereby states its intention and reasonably expects to reimburse Project costs incurred by the Issuer prior to the issuance of the Obligations with proceeds of the Obligations. Exhibit A describes either the general character, type, purpose, and function of the Project, or the fund or account from which Project costs are to be paid and the general functional purpose of the fund or account.

SECTION 2. The reasonably expected maximum principal amount of the Obligations is \$199,000,000.

SECTION 3. This resolution is being adopted not later than 60 days after the date (the "Expenditures Date or Dates") that the Issuer will expend monies for the portion of the Project costs to be reimbursed from proceeds of the Obligations.

SECTION 4. Except as described below, the expected date of issue of the Obligations will be within eighteen months of the later of the Expenditure Date or Dates and the date the Project is placed in service; provided, the reimbursement may not be made more than three years after the original expenditure is paid. For Obligations subject to the small issuer exception of Section 148(f)(4)(D) of the Internal Revenue Code, the "eighteen-month limit" of the previous sentence is changed to "three years" and the limitation of the previous sentence beginning with "; provided, ..." is not applicable.

SECTION 5. Proceeds of the Obligations to be used to reimburse for Project costs are not expected to be used, within one year of reimbursement, directly or indirectly to pay debt service with respect to any obligation (other than to pay current debt service coming due within the next succeeding one year period on any tax-exempt obligation of the Issuer (other than the Obligations)) or to be held as a reasonably required reserve or replacement fund with respect to an obligation of the Issuer or any entity related in any manner to the Issuer, or to reimburse any expenditure that was originally paid with the proceeds of any obligation, or to replace funds that are or will be used in such manner.



SECTION 6. This resolution is consistent with the budgetary and financial circumstances of the Issuer as of the date hereof. No monies from sources other than the Obligation issue are, or are reasonably expected to be reserved, allocated on a long-term basis, or otherwise set aside by the Issuer (or any related party) pursuant to their budget or financial policies with respect to the Project costs. To the best of our knowledge, this Board of Directors is not aware of the previous adoption of official intents by the Issuer that have been made as a matter of course for the purpose of reimbursing expenditures and for which tax-exempt obligations have not been issued.

SECTION 7. The limitations described in Section 3 and Section 4 do not apply to (a) costs of issuance of the Obligations, (b) an amount not in excess of the lesser of \$100,000 or five percent (5%) of the proceeds of the Obligations, or (c) any preliminary expenditures, such as architectural, engineering, surveying, soil testing, and similar costs other than land acquisition, site preparation, and similar costs incident to commencement of construction, not in excess of twenty percent (20%) of the aggregate issue price of the Obligations that finances the Project for which the preliminary expenditures were incurred.

SECTION 8. This resolution is adopted as official action of the Issuer in order to comply with Treasury Regulation § 1.150-2 and any other regulations of the Internal Revenue Service relating to the qualification for reimbursement of Issuer expenditures incurred prior to the date of issue of the Obligations, is part of the Issuer's official proceedings, and will be available for inspection by the general public at the main administrative office of the Issuer.

SECTION 9. All the recitals in this Resolution are true and correct and this Board of Directors so finds, determines and represents.

SECTION 10. This Resolution shall take effect immediately.

PASSED AND ADOPTED on April 22, 2024, by the Board of Directors of the Union Sanitary District by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

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Manny Fernandez  
President, Board of Directors  
Union Sanitary District

ATTEST:

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Tom Handly  
Secretary, Board of Directors  
Union Sanitary District

EXHIBIT A

DESCRIPTION OF PROJECT

- Components of the District's Enhanced Treatment and Site Upgrade Program

Phase 1A	Aeration Basin Modifications	Retrofitting existing Aeration Basins 1 through 7 and construction of an 8 <sup>th</sup> aeration basin with the flexibility to operate initially with an anaerobic selector during the implementation phase and transitioning to a biological nutrient removal (BNR) process following completion.
Phase 1A	Campus Building (Admin, FMC, Ops)	Construction of a new combined Campus Building, including associated site and utility improvements.
Phase 1B	Secondary Clarifiers	Construction of four new secondary clarifiers, mixed liquor control box, and centralized RAS pump station.
Phase 1B	Effluent Facilities	Construction of new chlorination/dechlorination contact basins, effluent pump stations, and relocation of existing effluent force main.

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #15**

**TITLE:** **Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair a Sinkhole on Cushing Parkway in the City of Fremont (*to be reviewed by the Engineering and Information Technology Committee*) (Motion Item)**

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Jose Rodrigues, Collection Services Work Group Manager  
Raymond Chau, Technical Services Work Group Manager  
Curtis Bosick, CIP Team Coach  
Andrew Majsce, Assistant Engineer

**Recommendation**

Receive an update on repairs and adopt motion by a four-fifths vote determining that there is a need to continue the action and confirming and declaring the continuance of the emergency.

**Discussion**

On April 8, 2024, the Board received an update on the emergency action and adopted a motion to confirm and declare the continuance of the emergency action to repair a sinkhole on Cushing Parkway in the City of Fremont.

Since this meeting, McGuire and Hester has completed all remaining excavation, backfill, paving, and striping work. Additionally, McGuire and Hester has demobilized all construction and traffic control equipment from the site. Staff is currently working with the City of Fremont to coordinate a final site inspection and closure of the encroachment permit. Remaining work includes the completion of any punch list/remediation work required by the City of Fremont and the receipt and review of all payment requests from McGuire and Hester. Refer to Figures 3 through 5 for photos showing the progress of work.

After the determination of an emergency pursuant to Public Contract Code Section 22050, the Board is required to review the status of the emergency action at every regularly scheduled meeting thereafter until the action is terminated, to determine, by a four-fifths vote, that there is a need to continue the action. This staff report seeks such determination as there is a need to complete the actions described above.

## Background

The District has an existing 36-inch reinforced concrete pipe (RCP) trunk sewer main at the intersection of Cushing Parkway and Auto Mall Parkway in the City of Fremont. There is a depression in the asphalt pavement adjacent to the pipeline due to ground subsidence that has progressed into a sinkhole. Below is a summary of the timeline of events:

- November 19, 2022: USD's contractor completed installation of CIPP liner for the 36-inch trunk sewer.
- May 28, 2023: USD staff responded to a trouble call for a road depression located at the intersection of Cushing Parkway and Auto Mall Parkway in the City of Fremont. The District dispatched a crew to perform a due diligence investigation. This investigation included reviewing previous inspection documents and performing a CCTV inspection of the 36-inch trunk sewer. Moreover, this trunk sewer was in good condition as it was recently rehabilitated using cured-in-place pipe (CIPP) lining methods. Thus, staff could not identify any potential causes of the road depression and the City of Fremont was notified of their findings. The City's maintenance staff installed a steel plate over the depression with the intention of repairing the pavement at a future date.
- September 22, 2023: City of Fremont discovered that the road depression had developed into a sinkhole when removing the steel plate to repair the pavement. The District was notified of the sinkhole; however, circumstances had not changed, and staff still did not believe that the trunk sewer could have been a contributing source. Accordingly, the City's maintenance staff performed some work to stabilize the road surface and reinstalled the steel plate.
- November 22, 2023: USD staff received a CCTV video from the contractor that performed the CIPP lining work, which identified a hole in the side of the RCP trunk sewer pipe at the 8 o'clock position. The video was previously taken by a contractor during the CIPP lining process, immediately after the pipe was cleaned but prior to the liner being installed. Following receipt of this video, staff have been in continued discussions with the City of Fremont regarding the best course of action to facilitate the necessary repairs.

Staff worked with the City of Fremont and USD's geotechnical consultant to determine the best approach for making the necessary repairs. The consultant's recommendation was to excavate and replace impacted soils located within an area of the intersection; approximately 15 feet wide by 22 feet long by 7 feet deep. Refer to Figure 1 for a site plan that depicts roughly the size/location of the excavation and Figure 2 for a photo of the sinkhole.

Given that the wet weather season was under way and that the full extent of underground soil conditions was unknown, the repair of the sinkhole needed to be done as soon as possible and did not allow the time required for competitive bidding. This approach meant that the District would not be able to develop a formal design to repair the road surface, but instead would rely on engineering sketches and field inspections by the geotechnical consultant to define the scope of the repair. Additionally, field adjustments needed to be made based on-site conditions encountered (e.g., groundwater elevation, soil behavior, utility conflicts, traffic control, etc.). The City of Fremont supported an expedited repair of the roadway and did not have any objections to this approach.

The District's Purchasing Policy and California Public Contract Code (PCC) Section 20806 allow for emergency contracting without competitive bidding in accordance with the requirements of PCC

Section 22050. Section 22050(a) provides that the District, pursuant to a four-fifths vote of the Board, “may repair or replace a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts.”

In addition, the work is exempt under the California Environmental Quality Act (CEQA). CEQA Guidelines section 15269 establishes a statutory exemption for emergency repairs to public service facilities necessary to maintain service, and section 15301 establishes an exemption for repair of existing facilities.

The attached Resolution No. 3007, adopted on February 12, 2024, addresses the requirements of the PCC to declare the emergency and authorize additional expenditures without the need for competitive bidding. As such the District has proceeded with the work under our emergency services contract with McGuire and Hester. Staff roughly estimates that the repairs could cost up to \$500,000.

### **Previous Board Action**

February 12, 2024, the Board adopted a resolution declaring an emergency and authorizing the emergency expenditure of funds for repairing a sinkhole on Cushing Parkway in the City of Fremont.

February 26, 2024, the Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

March 11, 2024, the Board received an update on the emergency action and adopted a motion to confirm the February 26, 2024, determination to continue the action, and confirmed and declared the continuance of the emergency action.

March 25, 2024, the Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

April 8, 2024, the Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

### **Attachments**

1. Figure 1 - Site Plan
2. Figures 2 through 5 - Photos
3. Resolution No. 3007

**FIGURE 1 - SITE PLAN**

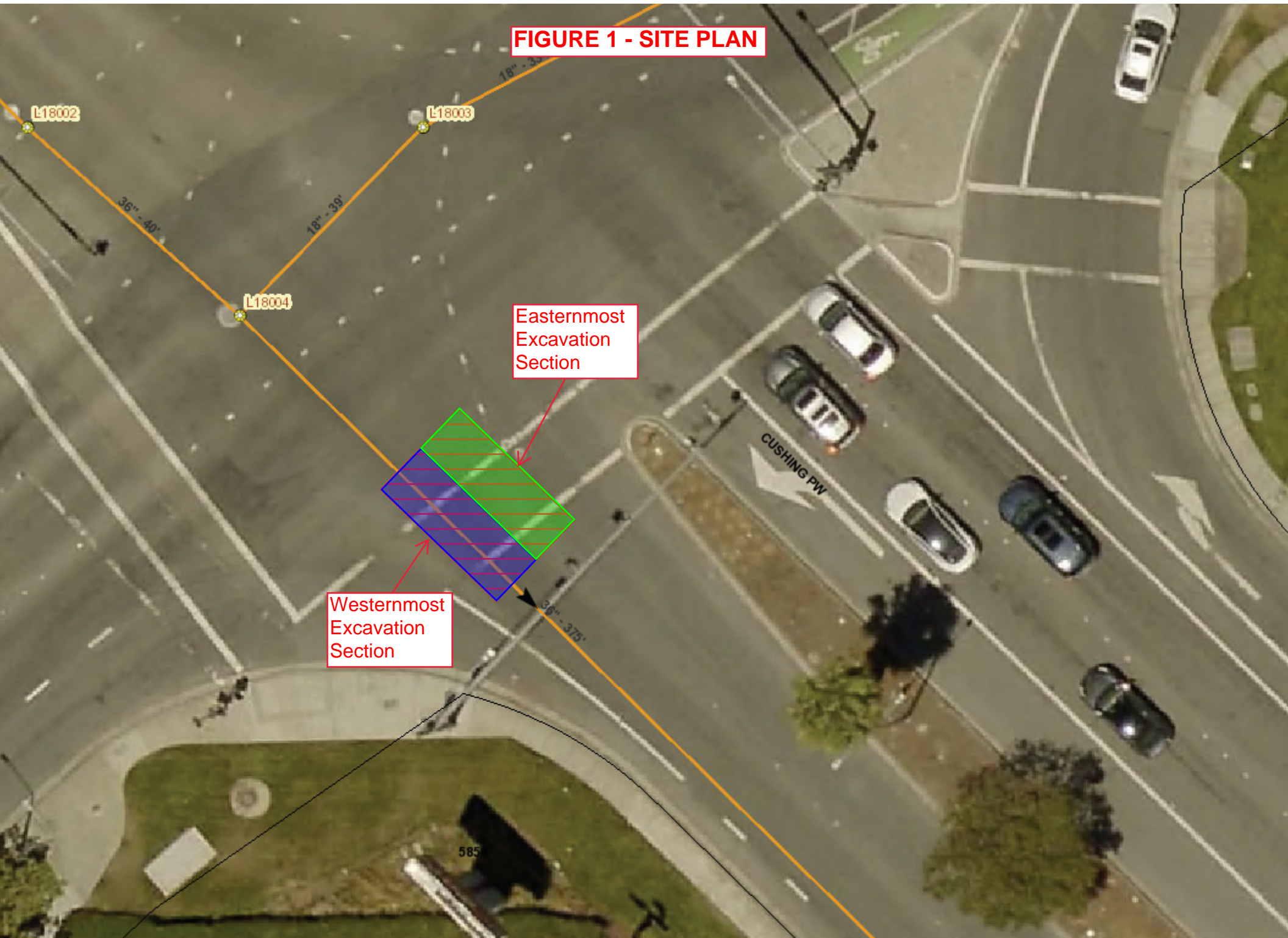




Figure 2 – Sinkhole at Intersection of Cushing Parkway and Auto Mall Parkway

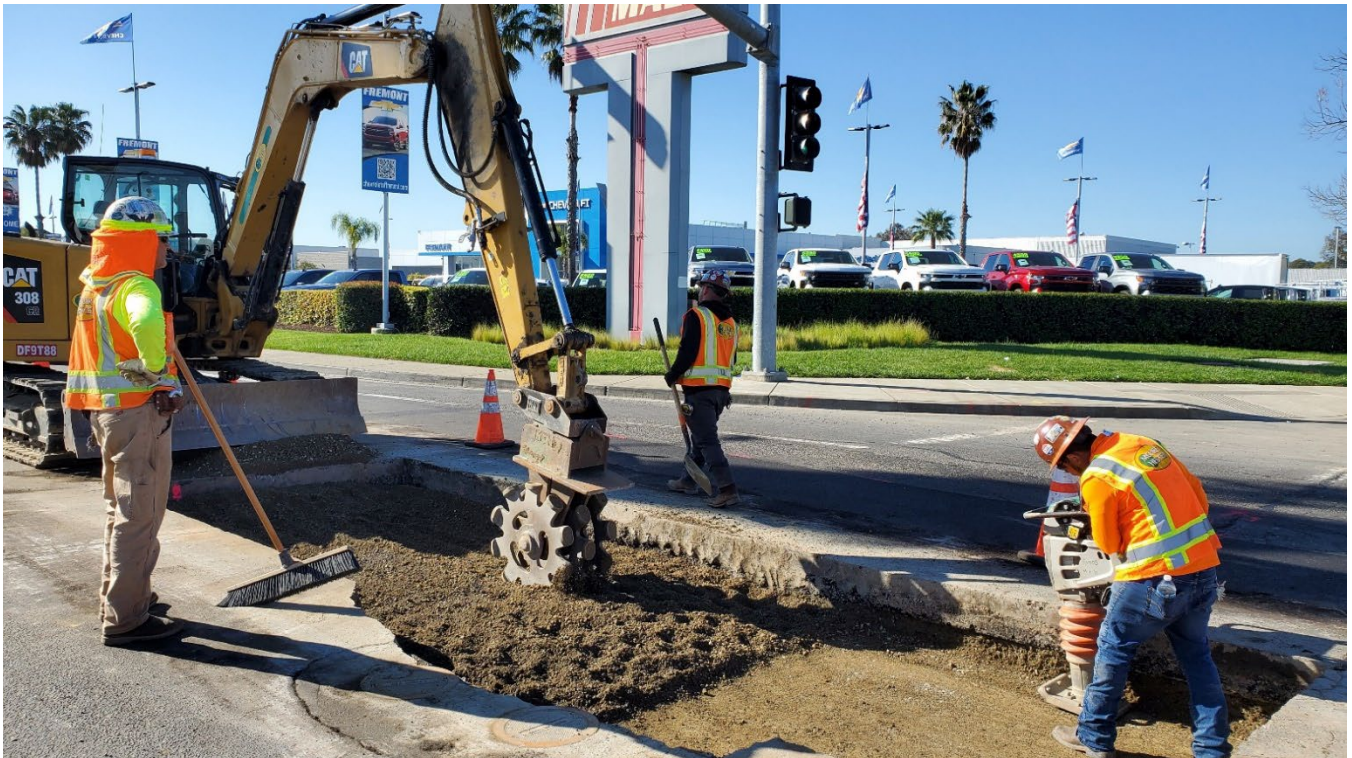


Figure 3 – Backfill of Easternmost Section





Figure 4 – Final Pavement of Entire Area



Figure 5 – Completed Repair of Intersection

**RESOLUTION NO. 3007**

**DECLARING AN EMERGENCY AND AUTHORIZING THE EMERGENCY EXPENDITURE OF FUNDS FOR REPAIRING A SINKHOLE ON CUSHING PARKWAY IN THE CITY OF FREMONT**

**WHEREAS**, the road surface in the City of Fremont located at the intersection of Cushing Parkway and Auto Mall Parkway has been damaged by ground subsidence in the form of a sinkhole potentially due to a hole in the District's existing 36-inch RCP trunk sewer main; and

**WHEREAS**, given that wet weather season is under way and that the full extent of underground soil conditions is unknown, it is necessary for the District to expeditiously proceed with the repair; and

**WHEREAS**, compliance with competitive bidding procedures typically takes a number of months and would not allow prompt action to be taken to complete the repair, as required to safeguard the public and District facilities; and

**WHEREAS**, the District's Purchasing Policy and California Public Contract Code (PCC) Section 20806 allow for emergency contracting without competitive bidding in accordance with the requirements of PCC Section 22050; and

**WHEREAS**, California Environmental Quality Act (CEQA) Guidelines section 15269 establishes a statutory exemption for emergency repairs to public service facilities necessary to maintain service, and other specific actions necessary to prevent or mitigate an emergency and section 15301 establishes an exemption for repair of existing facilities; and

**WHEREAS**, the damage involves a clear and imminent threat, demanding immediate action to prevent or mitigate loss of, or damage to, life, health, property, and essential public services.

**NOW, THEREFORE, BE IT RESOLVED, BY THE UNION SANITARY DISTRICT BOARD OF DIRECTORS, BASED ON THE STAFF REPORT AND ORAL AND WRITTEN TESTIMONY, AS FOLLOWS:**

1. The above recitals are true and correct and are material to this Resolution and are incorporated into this Resolution as findings of the District Board.
2. The Board finds that the repair is exempt under CEQA Guidelines sections 15269 and 15301 as the work is an emergency repair to an existing public facility necessary to maintain service.
3. The Board finds and declares, pursuant to Public Contract Code section 22050(a), that based on substantial evidence presented before the Board, the

emergency will not permit a delay resulting from competitive solicitation for bids for the repair of the road surface over the District's sewer main, and that this action is necessary to respond to the emergency.

4. The Board authorizes staff to proceed with the repair of the road surface located at the intersection of Cushing Parkway and Auto Mall Parkway, and procurement of the necessary equipment, services, and supplies for that purpose without giving notice for bids to contracts.

5. The Board will review the status of the emergency at each subsequent meeting of the Board of Directors and vote to authorize continuation of this resolution until the emergency action is completed.

**PASSED, APPROVED, AND ADOPTED by at least a four-fifths vote, at a regular meeting of the Board of Directors on this 12<sup>th</sup> day of February, 2024.**

AYES:	Fernandez, Handley, Kite, Lathi, Toy
NOES:	None
ABSENT:	None
ABSTAIN:	None

DocuSigned by:  
*Manny Fernandez*  
77BEF9EB02EB471...

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**MANNY FERNANDEZ**  
President, Board of Directors  
Union Sanitary District

Attest:

DocuSigned by:  
*Tom Handley*  
C0CC5EF393E9442...

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**TOM HANDLEY**  
Secretary, Board of Directors  
Union Sanitary District

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024**  
**BOARD OF DIRECTORS MEETING**  
**AGENDA ITEM #16**

**TITLE:** **Board Expenses for 3rd Quarter of FY24 (*to be reviewed by the Budget & Finance Committee*) (*Information Item*)**

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Mark Carlson, Business Services Manager/CFO

**Recommendation**

Information only

**Discussion**

Please see attached the Board of Directors Quarterly Travel and Training Expenditure Report for the 3rd quarter of the Fiscal Year 2024.

**Background**

Board expenses are presented to the Board quarterly.

**Previous Board Action**

None

**Attachments**

1. Board Expenses, 3rd Qtr, FY24

**BOARD OF DIRECTORS**  
**QUARTERLY TRAVEL AND TRAINING EXPENDITURE REPORT**  
**3RD QTR, FISCAL YEAR 2024**

Board Members	Description	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Beginning Balance	Y-T-D Expense	Balance Available
FERNANDEZ, MANNY								
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
HANDLEY, TOM								
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
HARRISON, JENNIFER								
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
KITE, PAT	Lorman All Access Education Pass			594.15				
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>594.15</b>	<b>0.00</b>	<b>12400.00</b>	<b>594.15</b>	<b>11805.85</b>
LATHI, ANJALI	CWEA Membership			221.00				
<b>TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>221.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>221.00</b>	<b>12179.00</b>
<b>GRAND TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>815.15</b>	<b>0.00</b>	<b>62000.00</b>	<b>815.15</b>	<b>61184.85</b>

The Board of Directors' Quarterly Expenditure Report is attached as part of the check register in accordance with Board Member Business Expense policy adopted September 5, 1991

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy



**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*  
  
Karen W. Murphy  
*Attorney*

**APRIL 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #17**

**TITLE:** CAL-Card FY24 3<sup>rd</sup> Quarter Activity Report *(to be reviewed by the Budget & Finance Committee) (Information Item)*

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Mark Carlson, CFO, Business Services Work Group Manager  
Skip Calvo, Purchasing Agent

**Recommendation**

Information only.

**Discussion**

Information only.

**Background**

The attached CAL-Card Merchant Spend Analysis details the CAL-Card activity for the third quarter of FY 2024. This covers transactions from the CAL-Card billing period December 22, 2023 through March 21, 2024. During this quarter, we had 246 transactions totaling \$81,838.51.

**Previous Board Action**

None.

**Attachments**

1. FY 2024 Q3 Merchant Spend Analysis Report

**Union Sanitary District Cal-Card Report  
FY24 Q3**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Bobcat of Fremont	Repair of District Bobcat	\$3,652.59	1/31/2024	CS	ST
PSMJ Resources, Inc	Project Management Bootcamp registration	\$3,590.00	1/12/2024	TS	CIP
Thermo Electron	iCAP PRO OES QTEGRA OPERATIONS Training	\$2,300.00	1/31/2024	T&D	R&S
PSMJ Resources, Inc	Project Management Bootcamp registration	\$2,295.00	1/12/2024	TS	CIP
Owen Equipment	Debris hose w/flange ends T3346	\$2,217.73	3/6/2024	CS	ST
Amazon	Scan Tool/Cam/Batt Tester	\$1,980.87	2/15/2024	CS	ST
Cat's	AC Repair, T1267	\$1,923.71	1/8/2024	CS	ST
Western Detention	South Gate Lock Set	\$1,887.85	2/15/2024	CS	ST
Inventive Resources Inc.	Replacement Filter Cartridges for Manhole Odor Eliminator Filter System	\$1,870.00	1/4/2024	CS	MTV
Celebration Party Equipment Rentals, Inc.	BBQ Supplies (rental tents, tables, chairs, heaters)	\$1,490.00	3/6/2024	GM	GM
Allied Electronics	Motor & sensor, foaming unit, trk T3345	\$1,285.07	1/13/2024	CS	ST
Uline	Janitorial Vacuums	\$1,221.84	2/28/2024	CS	CS
Uline	Tilt Truck Recycling Container	\$1,189.51	3/15/2024	CS	ST
Uline	Tilt Truck Recycling Container	\$1,187.95	1/23/2024	CS	ST
Kelly Spicers	Soap Dispensers & Refill Soap Packets	\$1,089.56	2/14/2024	CS	ST
Union City Chamber of Commerce	Annual Membership for USD	\$1,080.00	1/5/2024	GM	GM
Instrumart	Rotameters	\$998.97	2/2/2024	FMC	FMC
Dell	External hard drives for MTV trucks	\$985.59	3/5/2024	FMC	IT
CWEA	CWEA Conference	\$960.00	2/23/2024	FMC	Mech
Logitech	Wireless computer headsets	\$930.26	12/28/2023	FMC	IT
Dake	Motor For Cold Saw	\$913.09	1/31/2024	FMC	FMC
Dell	External hard drives for MTV trucks	\$837.18	3/13/2024	FMC	IT
WECO Industries	RootStock Training	\$825.00	1/31/2024	CS	MTV
Rexel	AB VFD Option card	\$809.39	2/22/2024	FMC	FMC
CDW-G	2 Bluebeam licenses	\$781.38	1/24/2024	FMC	IT
Home Depot	Rapid Set Concrete	\$773.59	1/30/2024	CS	CT
CWEA	Annual Conference	\$745.00	2/26/2024	CS	CS
CWEA	Annual Conference	\$745.00	2/26/2024	CS	CS
CWEA	Annual Conference	\$745.00	2/26/2024	CS	CS
Schwalm USA LLC	Invoice 42650 Schwalm parts	\$722.64	2/22/2024	CS	CT
Global Test Supply	UV-Vis Sensor	\$717.66	3/6/2024	T&D	R&S
California Water Environmental Agency	Conference Registration	\$701.00	2/15/2024	TS	CST
CWEA	Conference Registration	\$701.00	2/15/2024	TS	CIP
Superbreakers	Fuses 125 Amps	\$679.86	1/16/2024	FMC	FMC
Pryor tools	10" Debris Basket	\$640.00	2/29/2024	CS	MTV
Reservation Desk	Hotel Reservation	\$633.46	12/28/2023	T&D	R&S
CWEA	CWEA AC24 registration	\$633.25	1/15/2024	CS	CS
CWEA	CWEA Conference	\$633.25	1/12/2024	CS	CT
CWEA	CWEA Conference	\$633.25	1/12/2024	CS	CT
NW Pump	Gasoline Nozzle	\$619.04	3/16/2024	CS	ST
Peninsula Messenger Service	Delivery Sample Gas	\$610.00	2/21/2024	T&D	R&S



**Union Sanitary District Cal-Card Report  
FY24 Q3**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Lorman	All-Access Webinar Pass	\$594.15	1/26/2024	BOARD	BOARD
Owen-quip	8 IN QUICK CLAM	\$560.76	2/15/2024	CS	MTV
Rice Lake	Calibration Reference Thermometers	\$553.00	2/28/2024	T&D	R&S
ZipRecruiter	Monthly Subscription	\$549.00	2/28/2024	BS	OST
ZipRecruiter	Monthly Subscription	\$549.00	1/28/2024	BS	OST
ZipRecruiter	Monthly Subscription	\$549.00	12/28/2023	BS	OST
Paypal (MatPrint)	Floor Mats (Facility)	\$530.00	2/7/2024	CS	ST
Santa Clara Systems	AB Relay Contactor	\$503.59	1/5/2024	FMC	FMC
Rockit Prints	New USD logo embroidery for District Uniforms	\$491.98	3/14/2024	FMC	FMC
Mission Communications	MH Monitor Yearly Service for 2 Units	\$478.80	1/23/2024	CS	CS
CDW	APC UPS Batteries	\$469.61	2/6/2024	FMC	FMC
eBay	Tires, T1338	\$458.73	2/1/2024	CS	ST
CWEA	Annual Conference	\$457.50	3/7/2024	CS	CS
DKF Solutions Group	Training Class	\$450.00	2/15/2024	CS	CS
Kleen Rite	Mixing pump foaming trucks	\$447.32	1/18/2024	CS	ST
Amazon	Water Pump, T2373	\$430.82	2/5/2024	CS	ST
Eagle Wings	Fall Protection Training	\$415.00	2/26/2024	FMC	Mech
Fremont Chamber of Commerce	Annual Membership for USD	\$415.00	1/8/2024	GM	GM
Zoom	District Zoom subscription	\$414.69	3/17/2024	FMC	IT
Zoom	District Zoom subscription	\$414.69	2/17/2024	FMC	IT
Zoom	District Zoom subscription	\$414.69	1/17/2024	FMC	IT
Southwest Airlines	Flight OAK - PDX	\$411.80	12/27/2023	T&D	R&S
Amazon	Metal Saw	\$405.70	2/15/2024	CS	ST
IDEXX	Quantitray	\$395.46	1/5/2024	T&D	R&S
DBI	Gas Pilot Shield	\$395.20	2/14/2024	FMC	FMC
Southwest Airlines	Flight OAK - PDX	\$382.80	12/27/2023	T&D	R&S
NATEC	Fall Protection Trainings	\$381.10	3/19/2024	TS	CST
Tait Training	UST Training	\$379.00	3/7/2024	FMC	Mech
Duo Security	District Duo security subscription	\$375.00	2/23/2024	FMC	IT
Duo Security	District Duo security subscription	\$375.00	1/23/2024	FMC	IT
Duo Security	District Duo security subscription	\$375.00	12/23/2023	FMC	IT
Santa Clara System	VFD HIM Remote Mount	\$368.25	2/21/2024	FMC	FMC
CWEA	WEF Professional Membership	\$361.00	2/12/2024	BS	OST
WEF	WEF Membership Renewal	\$361.00	1/11/2024	TS	CIP
The NELAC Institute	TNI Organizational membership	\$350.00	12/27/2023	T&D	R&S
Delta Airlines	Round Trip Flight to attend ICP Training at Thermo Fisher Scientific at West Palm Beach, FL	\$340.20	1/31/2024	T&D	R&S
Floormat.com	Safety Grip Tape	\$316.80	1/24/2024	FMC	FMC
Spring Hill Suites West Palm Beach, FL	Deposit to hold hotel for ICP training (2/26/24 - 3/1/24)	\$315.27	2/26/2024	T&D	R&S
UPPCC	CPPB Exam Scheduling Fee	\$315.00	2/22/2024	BS	BS
ASCE	American Society of Civil Engineers Membership	\$311.00	1/4/2024	GM	GM
Buckles & Smith	AB HIM Kit	\$307.59	1/10/2024	FMC	FMC

**Union Sanitary District Cal-Card Report  
FY24 Q3**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Payroll.Org	Membership	\$299.00	3/14/2024	BS	FAST
Avalon	Water dispenser for CS shop	\$282.42	1/11/2024	CS	CS
Cummins Inc	Voltage regulator	\$280.00	3/8/2024	CS	ST
Uline	Hand Truck & Frame Extension	\$276.83	1/17/2024	CS	ST
Backflow supply	Back flow parts	\$276.73	1/9/2024	FMC	FMC
CWEA	CWEA 2024 Conference Tour	\$275.00	3/12/2024	FMC	Mech
emedco	Gas detection signage	\$269.08	1/22/2024	FMC	FMC
Kim's Embroidery	Embroidery for shirts	\$265.80	1/4/2024	TS	EC
ESS	Sample bottles	\$263.70	2/6/2024	T&D	R&S
UPPCC	Application fee for CPPB Exam	\$255.00	2/9/2024	BS	BS
Magnit Quick / QuickSearch	Pre-employment Background Check	\$250.65	1/23/2024	BS	OST
WPL Publishing Co., Inc.	Webinar	\$247.00	2/13/2024	TS	CIP
Society for Human Resources	Membership	\$244.00	1/31/2024	BS	FAST
SHRM	Professional Membership	\$244.00	1/31/2024	BS	FAST
Paypal OWPSACSTATE	Manuals: Operation of Wastewater Treatment Plants Volumes 1 & 2, Edition 8	\$237.50	3/11/2024	T&D	R&S
Diesel Engine Parts	Voltage regulator	\$233.14	3/4/2024	CS	ST
CWEA	Grade 3 Exam	\$222.00	3/21/2024	TS	EC
Leatherman	Leatherman	\$221.45	3/4/2024	FMC	Mech
CWEA	Membership	\$221.00	2/20/2024	TS	EC
CWEA	Membership	\$221.00	1/5/2024	BOARD	BOARD
Aurora Training Advantage	Best Practices for Working with Vendors and Suppliers Webinar	\$219.00	3/11/2024	BS	FAST
Texas Pneumatic	Air tool safety cables	\$217.25	3/14/2024	CS	CT
Hach	Phosphate test kits	\$214.75	2/21/2024	T&D	R&S
ISA	ISA CCSTII Recert	\$210.00	2/16/2024	FMC	Elect
BCWaterJobs	Job Posting for Assistant/Associate/Senior Process Engineer	\$200.00	1/11/2024	BS	OST
BCWaterJobs	Job Posting for Jr./Assistant/Associate Engineer	\$200.00	1/8/2024	BS	OST
Chipotle Online	Lunch order for FY25-44 CIP Budget Meeting	\$189.72	3/13/2024	TS	CIP
Tri City Rock	Concrete	\$183.34	1/11/2024	CS	CT
Bobcat	Bobcat Planer Manual	\$177.19	12/22/2023	CS	ST
Bronco Billys	CSWI Recruitment Panel Lunch	\$175.46	3/13/2024	CS	CS
Owen Equipment	Toggle bolt clamps, T3346	\$171.47	3/5/2024	CS	ST
Micro Motion	IMS cable	\$170.46	3/8/2024	FMC	FMC
Golden Gate Fortune Cookie Factory	Heart Fact Cookies- Wellness Committee	\$170.00	2/21/2024	BS	OST
E-replacemt parts	Tool switch and band saw arm	\$160.31	2/16/2024	CS	ST
NIGP	RFP Learning Lab 3	\$159.00	1/31/2024	BS	BS
EHS Inc.	Trenching & Excavation Safety Training	\$155.85	3/19/2024	TS	CST
EHS Inc.	Trenching & Excavation Safety Training	\$155.85	3/19/2024	TS	CST

**Union Sanitary District Cal-Card Report  
FY24 Q3**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
R.S. Hughes Co, Inc.	RAE Systems Flexible Inlet Probe 023-3012-000 (inlet probe assembly for our VOC analyzer (Honeywell ppbRAE 3000+))	\$154.50	12/22/2023	T&D	TPO
Grainger	Sampling Tubing	\$152.34	2/9/2024	BS	OST
CWEA	TCP Seminar	\$150.00	3/7/2024	CS	CS
DKF	CIWQS training	\$150.00	2/15/2024	CS	CS
DKF Solutions	CIWQS Training for Data Submitters and Legally Responsible Officials	\$150.00	2/14/2024	CS	CS
Vevor	VEVOR Shallow Well Pump Portable Jet Pump w/ Auto Controller 1.5HP 1200GPH 164ft	\$143.96	2/16/2024	T&D	TPO
PRIMA	Membership renewal	\$140.00	2/26/2024	BS	BS
CAPPO	Association renewal	\$140.00	1/4/2024	BS	OST
Dell	2 Logitech MK710 wireless keyboards & mouse combo	\$139.52	3/13/2024	FMC	IT
Amazon	OST recognition order	\$134.70	2/15/2024	BS	BS
Pitney Bowes	Certified Envelopes	\$132.88	2/10/2024	TS	CST
OilSafeSystem.com	Oil Safe Standard Hand Pump; Part No. 102000	\$130.04	1/11/2024	T&D	TPO
Amazon	USB-C to ethernet adapters	\$127.30	1/30/2024	FMC	IT
Thai Kitchen	Q2 EE Recognition Lunch	\$126.92	2/21/2024	TS	EC
Amazon	Overboots/ rain covers	\$126.25	2/8/2024	CS	CS
Togos	CSWI Recruitment Panel Lunch	\$124.87	3/9/2024	CS	CS
Smart & Final	Tide pods for Janitors	\$124.00	1/23/2024	CS	ST
Dyson	Dyson vacuum repair for janitors	\$120.86	3/8/2024	CS	ST
Staples	Printheads for CIP plotter	\$120.26	2/11/2024	FMC	IT
The Une Union City	Lunch order for FY25-44 CIP Budget Meeting	\$119.74	2/13/2024	TS	CIP
DEVTRA, Inc.	Forklift Inspection Books	\$119.62	2/8/2024	CS	CS
Amazon	Wireless headset	\$117.89	1/30/2024	FMC	IT
TechStreet	Procedures	\$116.00	2/6/2024	T&D	R&S
Pesticide Applicators Professional Assoc.	Pesticide Applicator Seminar	\$115.00	3/5/2024	CS	CS
Pesticide Applicators Professional Assoc.	PAPA seminar (Stockton)	\$115.00	2/12/2024	CS	CT
Pace Supply	Trerice 105-0005K Seal	\$113.60	3/4/2024	FMC	FMC
Swing Valve	WHCI	\$107.81	3/20/2024	FMC	FMC
Facebook/Meta	Boosted Posts (Ads)	\$106.04	1/10/2024	GM	GM
Green Leaf Cleaners	Dry clean 3 table cloths	\$105.00	3/8/2024	TS	EC
Facebook/Meta	Boosted Posts (Ads)	\$103.55	2/10/2024	GM	GM
CWEA	CWEA E&I 2 Cert Renewal	\$103.00	2/1/2024	FMC	Elect
Facebook/Meta	Boosted Posts (Ads)	\$98.52	3/10/2024	GM	GM
Safety Vest and More	Hi-Vis raincoat	\$97.46	2/13/2024	CS	CT
Safety Vest and More	Hi Vis Raincoat/Trenchcoat	\$97.18	3/14/2024	CS	MTV
Dish Network	Dish Network Monthly Charge	\$91.07	3/4/2024	BS	BS
Dish Network	Dish Network Monthly Charge	\$91.07	2/2/2024	BS	BS
Dish Network	Dish Network Monthly Charge	\$91.07	1/2/2024	BS	BS
Costco	Snacks for Board Workshops	\$87.94	2/6/2024	GM	GM

**Union Sanitary District Cal-Card Report  
FY24 Q3**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
IdentoGo	CDL renewal	\$86.50	3/18/2024	CS	CS
Quick Search	Pre-employment Background Check	\$83.55	3/5/2024	BS	OST
Harbor frieght	Drill doler for warehouse pallets	\$83.11	3/12/2024	CS	ST
Techstreet	ISO Method	\$81.00	3/1/2024	T&D	R&S
Lowes	Gutter parts for 84	\$80.71	1/24/2024	CS	ST
O'Reilly Auto Parts	Exh flex tube, M6261	\$79.70	3/19/2024	CS	ST
Lowes	Cogen thermal gun/parts	\$79.67	2/7/2024	FMC	FMC
Bronco Billy's Pizza	Lunch Items for TNI Audit Prep Meeting 2/16/24	\$78.28	2/16/2024	T&D	T&D
Adorama	Laptop Stand	\$76.42	2/12/2024	FMC	Elect
Harbor Freight	Bearing puller, 1/4 in ratchet	\$72.75	1/18/2024	CS	ST
Amazon	Heat Trace Cable	\$66.44	1/18/2024	FMC	FMC
Amazon	Office Supplies (desk reference organizer)	\$66.33	3/17/2024	GM	GM
Amazon	1B 95% Review Materials	\$66.30	12/28/2023	ETSU	ETSU
Amazon	Ball Valve, T2377	\$65.21	2/28/2024	CS	ST
Amazon	Dome Light, T3342	\$63.88	2/2/2024	CS	ST
Craft Cuts	Vehicle Numbers	\$61.83	3/11/2024	CS	ST
Amazon	OST Recognition Order	\$60.87	3/1/2024	BS	BS
CA Dept. of Pesticide Regulation	Pesticide Handler Certification Renewal	\$60.00	1/18/2024	CS	CS
E-replacemt parts	Tool switch	\$57.48	2/16/2024	CS	ST
Amazon	Presentation shirts	\$56.82	3/10/2024	CS	CS
Staples	Label maker tape for IT label maker	\$56.47	3/2/2024	FMC	IT
ASTM	PDF Purchase: Standard Specification for Flexible Transition Couplings for Underground Piping Systems	\$55.00	1/17/2024	TS	CST
Pesticide Applicators Professional Assoc.	PAPA Membership	\$50.00	2/12/2024	CS	CT
SecondSale	Used Book: Wastewater Engineering Treatment and Reuse	\$49.55	3/13/2024	T&D	R&S
Amazon	Toggle clamps for vactor	\$49.48	3/5/2024	CS	ST
Seton	Arrows Roll-Tape	\$48.94	3/15/2024	FMC	FMC
Amazon	Gaffer's Tape	\$47.49	2/9/2024	CS	ST
Amazon	USB-C to HDMI adapters	\$46.20	2/2/2024	FMC	IT
Amazon	Needle nose plier sets for IT	\$45.45	3/14/2024	FMC	IT
Santa Clara Systems	AB Auxiliary Contacts	\$44.96	1/4/2024	FMC	FMC
Amazon	Mousepads and USB-A to USB-Mini adapters	\$43.25	2/11/2024	FMC	IT
Complete Cleaners	Cleaning District Aprons	\$42.00	2/2/2024	GM	GM
Amazon	Toggle clamps for vactor	\$41.74	3/4/2024	CS	ST
Lowes Home Centers	(2) 55 lb sacks of Repair Mortar	\$41.61	2/29/2024	CS	CT
Amazon	Toggle clamp for vehicle hose spool	\$40.97	2/1/2024	CS	ST
Amazon	Office Supplies (pens)	\$38.18	3/14/2024	GM	GM
Food Maxx	Working Lunch FMC Practical Testing	\$36.60	3/7/2024	FMC	FMC
Petes Hardware	2-inch pipe insulation	\$36.33	1/29/2024	FMC	FMC
Target	Event Cards	\$31.73	2/26/2024	CS	CS
PAYPAL OWPSACSTATE	OWP course Sacramento State	\$30.00	2/16/2024	TS	CIP

**Union Sanitary District Cal-Card Report  
FY24 Q3**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Amazon	Presentation shirts	\$29.76	3/10/2024	CS	CS
Harbor Freight	Welding part	\$29.74	1/20/2024	CS	ST
Amazon	TPMS Sensor, T1379	\$28.40	2/12/2024	CS	ST
Amazon	LED spotlight bulb	\$28.24	2/27/2024	CS	ST
Amazon	Spotlight bulb	\$27.92	2/27/2024	CS	ST
Amazon	CS safety - Jan24	\$27.68	2/7/2024	CS	CT
Amazon	Batteries for Welding helmet	\$26.46	2/28/2024	FMC	Mech
Lowe's	Parts for easement trailer	\$25.53	2/6/2024	CS	ST
Amazon	Portable thumb drive	\$25.25	1/23/2024	CS	CS
B.A. Fastrak	Fastrak Device - reload	\$25.00	2/6/2024	CS	CS
B.A. Fastrak	Fastrak Device - reload	\$25.00	1/31/2024	CS	CS
Amazon	CS safety - Jan24	\$24.35	2/6/2024	CS	MTV
Amazon	Toggle clamps for vactor	\$23.23	3/4/2024	CS	ST
Amazon	Toggle clamps for vactor	\$23.23	2/26/2024	CS	ST
Office Depot	Heavy Duty Binders	\$22.57	2/29/2024	CS	CS
Amazon	Lathe Bits	\$22.14	2/28/2024	CS	ST
Amazon	Tire Mount Lube	\$20.19	3/18/2024	CS	ST
Costco	Food for Employee Recognition Lunch	\$19.98	2/21/2024	TS	EC
Amazon	CS Safety - Feb.	\$19.92	2/25/2024	CS	CT
Amazon	CS Safety - Feb.	\$19.92	2/24/2024	CS	MTV
Small Engines Pro Dealer	Air cleaner cover	\$19.80	3/20/2024	CS	ST
Amazon	Beacon, forklift M6261	\$18.82	2/14/2024	CS	ST
Lowe's	Parts water truck	\$17.09	12/26/2023	CS	ST
Lowe's	Blade for grinder	\$16.69	3/21/2024	CS	ST
Amazon	Amazon Prime Membership	\$16.60	2/21/2024	CS	ST
Amazon	Amazon Prime Membership	\$16.60	1/26/2024	ETSU	ETSU
Amazon	Amazon Prime Membership	\$16.60	1/21/2024	CS	ST
HomeDepot.com	Aluminum Ground Bar - Cherry Street PS	\$16.21	2/1/2024	FMC	FMC
Reservation Desk	Hotel Booking Fee	\$15.99	12/27/2023	T&D	R&S
Amazon	Toggle clamp for vehicle hose spool	\$15.48	1/31/2024	CS	ST
Amazon	Brake Pedal Pad, T1328	\$14.35	2/5/2024	CS	ST
Udemy, Inc.	Excel: Power Functions course	\$12.99	2/2/2024	TS	CST
Thai Kitchen	Q2 EE Recognition Lunch	\$11.08	2/21/2024	TS	EC
American Airlines	American Airlines - Flight to ELT Workshop	\$10.80	1/8/2024	TS	CIP
Amazon	TNC connectors for manhole sensors	\$9.96	1/30/2024	FMC	IT
BetterWorldBooks	Used Book: Environmental Engineering	\$7.68	3/13/2024	T&D	R&S
FasTrak	Toll Charge	\$7.00	3/12/2024	FMC	FMC
FasTrak	Toll Charge	\$7.00	3/1/2024	TS	CIP
ALS Services USA, Corp	Lab Samples	\$6.00	1/12/2024	FMC	FMC
Lowe's	Switch, T2374	\$5.25	2/15/2024	CS	ST
Facebook/Meta	Boosted Posts (Ads)	\$4.19	2/10/2024	GM	GM
Facebook/Meta	Boosted Posts (Ads)	\$3.84	3/10/2024	GM	GM

**Union Sanitary District Cal-Card Report  
FY24 Q3**

<b>Vendor's Name</b>	<b>Purchase Description</b>	<b>Total</b>	<b>Transaction Date</b>	<b>Work Group</b>	<b>Team</b>
Language Link	Translation Services used at front desk	\$3.72	2/14/2024	BS	BS
Amazon	Amazon Prime Credit	-\$0.66	3/20/2024	CS	ST
Amazon	Credit Back On Cancellation	-\$1.66	2/23/2024	ETSU	ETSU
Amazon	AMAZON CREDIT	-\$28.41	3/15/2024	CS	CS
Amazon	Refund for items ordered that were not received	-\$58.35	2/28/2024	BS	BS
Diesel Engine Parts	Credit/ordered cancelled	-\$233.14	3/7/2024	CS	ST
Spring Hill Suites West Palm Beach, FL	Deposit credited hotel for ICP training	-\$315.27	3/18/2024	T&D	R&S

**TOTAL FOR Q3: \$81,838.51**

**TOTAL # OF TRANSACTIONS FOR Q3: 246**



**Summary of the EBDA Commission Meeting  
Thursday, March 21, 2024, at 4:00 p.m.**

- Commissioners Andrews, Azevedo, Johnson, Lathi, and Simon, were present. This meeting was conducted at the Oro Loma Sanitary District, 2655 Grant Avenue, San Lorenzo, CA 94580.
- Commissioner Andrews moved to approve the Commission Meeting Minutes of February 15, 2024, the List of Disbursements for February 2024, the Treasurer’s Report for February 2024, and the Second Quarter Expense Summary for Fiscal Year 2023/2024. The motion was seconded by Commissioner Johnson and carried 5-0, by roll call vote.

Ayes: Andrews, Azevedo, Lathi, Simon, Johnson  
Noes: None  
Absent: None  
Abstain: None

- **Motion Authorizing the General Manager to Execute Amendment No. 1 to the Professional Services Agreement with Pacific EcoRisk for Effluent Toxicity Testing in the Amount of \$10,020, for a Total Not to Exceed Amount of \$129,639**  
Commissioner Andrews moved to approve the item. The motion was seconded by Commissioner Simon and carried with the following roll call vote:

Ayes: Andrews, Simon, Johnson, Azevedo, Lathi  
Noes: None  
Absent: None  
Abstain: None

- **Motion Authorizing the General Manager to Execute an Agreement with Redwood Public Law LLP for General Counsel Services**  
Commissioner Simon moved to approve the item. The motion was seconded by Commissioner Johnson and carried with the following roll call vote:

Ayes: Andrews, Simon, Johnson, Azevedo, Lathi  
Noes: None  
Absent: None  
Abstain: None

- **Motion Authorizing the General Manager to Approve an Engagement of Legal Services with Meyers Nave for Specialized Legal Services**  
Commissioner Johnson moved to approve the item. The motion was seconded by Commissioner Azevedo and carried with the following roll call vote:

Ayes: Andrews, Simon, Johnson, Azevedo, Lathi

Noes: None  
Absent: None  
Abstain: None

- **Motion Approving Revisions to Rules of the Commission**

Commissioner Andrews moved to approve the item. The motion was seconded by Commissioner Simon and carried with the following roll call vote:

Ayes: Andrews, Simon, Johnson, Azevedo, Lathi  
Noes: None  
Absent: None  
Abstain: None

- The Commission unanimously approved the reports from the Regulatory Affairs, Financial Management, and Operations & Maintenance Committees. The following items were discussed:

- **General Managers Report**

The General Manager (GM) reminded Commissioners that Form 700 filings are due on April 2. EBDA, in coordination with BACWA, hosted tours for local news reporters at the Oro Loma/Castro Valley Wastewater Treatment Plant to showcase how wastewater agencies proactively manage nutrient discharges to the Bay. An additional tour was conducted of the plant and the horizontal levee demonstration project for staff from EPA Region IX, at their request. The GM thanked Oro Loma Sanitary District staff for their assistance with the tours. Lastly, the GM discussed her participation on a panel at the WaterReuse Symposium in Denver, Colorado.

- **Managers Advisory Committee**

The GM deferred discussion to specific agenda items.

- **Regulatory Affairs Committee**

The GM reported on the March 18, 2024, meeting of the Regulatory Affairs Committee. The GM reviewed BACWA's summary of the recent BACWA/SFEI PFAS study and discussed CASA-sponsored legislation, SB 903 (Skinner), which would ban non-essential use of added PFAS in products. The GM provided an update on the nutrients watershed permit negotiations.

- **Financial Management Committee**

The GM reported on the March 20, 2024, meeting of the Financial Management Committee. The Committee reviewed the FY 2024/2025 budget considerations and the proposed legal services agreements.

- **Operations and Maintenance Committee**

The Operations and Maintenance (O&M) Manager reported on the March 19, 2024 meeting. The O&M Manager provided project updates on the Hayward Effluent Pump Station (HEPS) Pump Replacement Project and the Oro Loma Effluent Pump Station (OLEPS) Automatic Transfer Switch Upgrade. The O&M Manager also reviewed the benefits realized with the Total Residual Chlorine effluent limit implementation. The GM provided an update on the Cargill project agreement negotiations.



- **Items from Commission and Staff**

Commissioner Azevedo announced his appointment to the BCDC Bay Adapt Local Electeds Regional Task Force.

- **Adjournment**

Chair Lathi adjourned the meeting at 4:52 p.m.

**UNION SANITARY DISTRICT  
CHECK REGISTER  
03/16/2024-03/29/2024**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
187141	4/11/2024	143	800558.6	W.M. LYLES CO	PLANT MISCELLANEOUS IMPROVEMENTS	\$752,071.78	\$752,071.78
187049	4/4/2024	114	2011800437	HAZEN AND SAWYER	ETSU PHASE 1B PROJECT	\$167,228.37	\$345,024.76
	4/4/2024	114	2011801024		MP - AERATION BASIN MODIFICATIONS	\$83,048.28	
	4/4/2024	114	2011801119		CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$94,748.11	
187124	4/11/2024	114	206414	PSOMAS CORP	AERATION BASIN MODIFICATIONS (0532) & CAMPUS BUILDING (0545)	\$238,844.71	\$238,844.71
187132	4/11/2024	110	46578	SYNAGRO WEST LLC	FEB 2024 BIOSOLIDS DISPOSAL	\$157,401.40	\$157,401.40
187121	4/11/2024	110	170120240319	PACIFIC GAS AND ELECTRIC	SERV TO 02/20/2024 PLANT	\$92,359.47	\$120,993.68
	4/11/2024	170	761520240401		SERV TO 03/25/24 NEWARK PS	\$28,634.21	
187123	4/11/2024	110	1822224	POLYDYNE INC	44,860 LBS CLARIFLOC C-6267	\$89,428.41	\$89,428.41
187098	4/11/2024	173	17153	CDW GOVERNMENT LLC	CREDIT: 1 SWITCH INV 25329	\$-4,399.76	\$70,544.48
	4/11/2024	173	50052		VMWARE INFRASTRUCTURE RENEW	\$79,344.00	
	4/11/2024	173	65200		CREDIT: 1 SWITCH INV 25531	\$-4,399.76	
187108	4/11/2024	110	946522	HASA INC	4621.6 GALS SODIUM HYPOCHLORITE	\$14,587.50	\$45,456.82
	4/11/2024	110	948252		4741 GALS SODIUM HYPOCHLORITE	\$15,248.12	
	4/11/2024	110	948253		4857 GALS SODIUM HYPOCHLORITE	\$15,621.20	
187048	4/4/2024	110	947090	HASA INC	4809.8 GALS SODIUM HYPOCHLORITE	\$15,181.53	\$45,344.38
	4/4/2024	110	947243		4808 GALS SODIUM HYPOCHLORITE	\$15,463.61	
	4/4/2024	110	947534		4657 GALS SODIUM HYPOCHLORITE	\$14,699.24	

**UNION SANITARY DISTRICT  
CHECK REGISTER  
03/16/2024-03/29/2024**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
187067	4/4/2024	143	206186	PSOMAS CORP	PLANT MISCELLANEOUS IMPROVEMENTS	\$36,024.00	\$36,024.00
187080	4/4/2024	122	847794	WESTERN STATES OIL CO	6005 GAL RENEWABLE DIESEL	\$25,748.20	\$25,748.20
187072	4/4/2024	143	2402005	SIEGEL & STRAIN ARCHITECTS	FIELD OPERATIONS BUILDING IMPROVEMENTS	\$25,135.19	\$25,135.19
187077	4/4/2024	110	470017615	USP TECHNOLOGIES	4444 GALS HYDROGEN PEROXIDE	\$20,975.68	\$20,975.68
187093	4/11/2024	143	11514912	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$20,336.23	\$20,336.23
187043	4/4/2024	110	1426931	DEPARTMENT OF GENERAL SERVICES	SERV: FEB 2024 PLANT	\$20,302.37	\$20,302.37
187111	4/11/2024	110	9017828558	KEMIRA WATER SOLUTIONS INC	45,040 LBS FERROUS CHLORIDE	\$8,372.00	\$19,837.38
	4/11/2024	110	9017828876		47,500 LBS FERROUS CHLORIDE	\$11,465.38	
187118	4/11/2024	170	106828	MUNIQUIP, LLC	1 REBUILD KIT	\$17,166.07	\$17,166.07
187091	4/11/2024		B0D2WF	BENEFIT COORDINATORS CORP	DELTA DENTAL CLAIMS - MAR 2024	\$17,115.64	\$17,115.64
187069	4/4/2024		3695	REPCOR	1 PIPE PATCH WINTER	\$631.28	\$11,804.85
	4/4/2024		3696		2 PIPE PATCH WINTER	\$1,704.44	
	4/4/2024		3697		16 PIPE PATCH WINTER	\$9,469.13	
187065	4/4/2024	110	1817816	POLYDYNE INC	42,280 LBS CLARIFLOC WE-539	\$11,706.28	\$11,706.28
187074	4/4/2024		21956	TESLA MOTORS	REFUND # 33342	\$800.00	\$11,650.00
	4/4/2024		27128		REFUND # 50778	\$3,300.00	
	4/4/2024		30304		REFUND # 42117	\$4,250.00	
	4/4/2024		30307		REFUND # 43340	\$3,300.00	
187082	4/11/2024	170	65891	ABC FIRE PROTECTION INC	ANNUAL FIRE EXTINGUISHER SERVICE 2024	\$10,499.36	\$10,499.36

**UNION SANITARY DISTRICT  
CHECK REGISTER  
03/16/2024-03/29/2024**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
187055	4/4/2024		374322240401	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - APR 2024	\$9,449.81	\$9,449.81
187099	4/11/2024	110	20240679	COMPACTOR MANAGEMENT COMPANY	HAULING AND DISPOSAL OF SEWER DEBRIS	\$7,564.00	\$7,564.00
187032	4/4/2024	113	42064	AMERICAN ASSOC FOR LAB ACC	LABORATORY ASSESSMENT	\$7,146.74	\$7,146.74
187122	4/11/2024		29615405	PAN PACIFIC SUPPLY COMPANY	2 SEALS	\$6,546.03	\$6,546.03
187064	4/4/2024	130	14151875	PFM ASSET MANAGEMENT LLC	INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$5,952.26	\$5,952.26
187113	4/11/2024		531021900400	JOSEFINA MANINGDING	REFUND - SEWER SERVICE CHARGE	\$5,909.11	\$5,909.11
187028	4/4/2024	144	75326	ABACUS PRODUCTS INC	7500 FISH ERASERS	\$5,761.07	\$5,761.07
187137	4/11/2024	123	311353	VANDERLANS & SONS INC	2 LEAK LOCATOR DOMEHEADS	\$5,237.01	\$5,237.01
187144	4/11/2024	143	2057468	WEST YOST ASSOCIATES	FORCE MAIN CORROSION REPAIRS PROJECT PHASE 4	\$4,916.00	\$4,916.00
187061	4/4/2024	173	40141	NEOGOVS	ONBOARD SUBSCRIPTION RENEWAL 04/12/24-04/11/25	\$4,652.71	\$4,652.71
187046	4/4/2024	170	9031105001	GRAINGER INC	ASTD PARTS & MATERIALS	\$156.32	\$4,155.04
	4/4/2024	170	9031670541		ASTD PARTS & MATERIALS	\$274.10	
	4/4/2024	170	9033171878		ASTD PARTS & MATERIALS	\$44.71	
	4/4/2024		9033309197		ASTD PARTS & MATERIALS	\$2,236.24	
	4/4/2024		9034867748		ASTD PARTS & MATERIALS	\$1,438.68	
	4/4/2024	122	9036175280		ASTD PARTS & MATERIALS	\$4.99	

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187114	4/11/2024	113	2403774	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$676.00	\$4,130.50
	4/11/2024	113	2403775		LAB SAMPLE ANALYSIS	\$576.00	
	4/11/2024	113	2403878		LAB SAMPLE ANALYSIS	\$1,450.50	
	4/11/2024	113	2403B27		LAB SAMPLE ANALYSIS	\$540.50	
	4/11/2024	113	2403B28		LAB SAMPLE ANALYSIS	\$887.50	
187107	4/11/2024	114	9033331183	GRAINGER INC	ASTD PARTS & MATERIALS	\$49.44	\$4,064.62
	4/11/2024	114	9035690560		ASTD PARTS & MATERIALS	\$59.50	
	4/11/2024	170	9039947602		ASTD PARTS & MATERIALS	\$160.01	
	4/11/2024	170	9039947628		ASTD PARTS & MATERIALS	\$169.94	
	4/11/2024	170	9040435480		1 DC POWER SUPPLY	\$280.62	
	4/11/2024	170	9040851959		ASTD PARTS & MATERIALS	\$168.26	
	4/11/2024	170	9041563421		ASTD PARTS & MATERIALS	\$681.88	
	4/11/2024	114	9041563439		ASTD PARTS & MATERIALS	\$134.72	
	4/11/2024	170	9042395302		ASTD PARTS & MATERIALS	\$227.12	
	4/11/2024		9042467697		ASTD PARTS & MATERIALS	\$1,247.15	
	4/11/2024		9044211390		ASTD PARTS & MATERIALS	\$885.98	
187139	4/11/2024	122	506018961	VOLVO CONSTRUCTION EQP SERVICE	REPAIRS TO VOLVO EQUIPMENT	\$3,855.43	
187037	4/4/2024		B0D2K8	BENEFIT COORDINATORS CORP	DELTA DENTAL AND VSP STMT - APR 2024	\$3,804.35	\$3,804.35
187119	4/11/2024	141	2024031547	NBS	SEWER SERVICE CHARGE DATA SERV APR - JUN 2024	\$3,760.79	\$3,760.79

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187125	4/11/2024	120	916005620399	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - APR 2024	\$3,747.57	\$3,747.57
187066	4/4/2024	122	107154	PRIME MECHANICAL SERVICE INC	SERVICE CALL: BLDG 83 - LOCKER ROOM TEMP	\$485.00	\$3,357.00
	4/4/2024	122	107168		QUARTERLY MAINTENANCE - BLDGS 70, 82, 83 - MAR 24	\$1,780.00	
	4/4/2024	170	107187		MONTHLY MAINTENANCE BLDGS 53-80 - MAR 24	\$1,092.00	
187059	4/4/2024	170	2401054726	MOTION INDUSTRIES INC	1 ELECTRIC MOTOR	\$3,022.01	\$3,022.01
187078	4/4/2024		9959684570	VERIZON WIRELESS	WIRELESS SERV 02/21/24-03/20/24	\$2,804.61	\$2,804.61
187063	4/4/2024	170	146360	NEW IMAGE LANDSCAPING CO	LANDSCAPE MAINTENANCE - FMC - MAR	\$2,645.04	\$2,645.04
187083	4/11/2024		20240331	AFLAC GROUP	GROUP INSURANCE - MAR 2024	\$2,633.56	\$2,633.56
187143	4/11/2024	121	52950	WECO INDUSTRIES LLC	REPAIRS FOR CCTV TRANSPORTER	\$2,542.12	\$2,542.12
187054	4/4/2024		30572	LENNAR HOMES - BAY AREA	REFUND # 60995	\$2,500.00	\$2,500.00
187040	4/4/2024	113	717440	CALTEST ANALYTICAL LABORATORY	18 LAB SAMPLE ANALYSIS	\$2,296.32	\$2,460.54
	4/4/2024	113	717470		2 LAB SAMPLE ANALYSIS	\$93.84	
	4/4/2024	113	717535		1 LAB SAMPLE ANALYSIS	\$70.38	
187034	4/4/2024	173	107908	AQUATIC INFORMATICS INC	WIMS ANNUAL SUUPORT	\$2,175.00	\$2,175.00
187105	4/11/2024	170	122844	ENVIRONMENTAL LOGISTICS INC	HAZARDOUS WASTE DISPOSAL	\$2,004.00	\$2,004.00

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187079	4/4/2024	113	8815281305	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$73.66	\$1,594.79
	4/4/2024	113	8815501689		LAB SUPPLIES	\$27.73	
	4/4/2024	113	8815504979		LAB SUPPLIES	\$393.47	
	4/4/2024		8815513859		LAB SUPPLIES	\$555.63	
	4/4/2024		8815526205		LAB SUPPLIES	\$544.30	
187033	4/4/2024		47208	APPLIED AIR FILTERS INC	200 FILTERS	\$1,577.42	\$1,577.42
187092	4/11/2024	143	18709210	BLAISDELL'S	REPLACEMENT SIT-STAND WORKSTATION	\$99.91	\$1,351.80
	4/11/2024	143	18709211		REPLACEMENT SIT-STAND WORKSTATION	\$745.79	
	4/11/2024	144	18719540		ASTD OFFICE SUPPLIES	\$43.16	
	4/11/2024	120	18720940		ASTD OFFICE SUPPLIES	\$462.94	
187086	4/11/2024		5180319225	ARAMARK	UNIFORM LAUNDERING & RUGS	\$679.73	\$1,332.48
	4/11/2024		5180319226		UNIFORM LAUNDERING SERVICE	\$652.75	
187096	4/11/2024	113	718007	CALTEST ANALYTICAL LABORATORY	7 LAB SAMPLE ANALYSIS	\$1,307.32	\$1,307.32
187035	4/4/2024		5180316737	ARAMARK	UNIFORM LAUNDERING & RUGS	\$498.24	\$1,268.97
	4/4/2024		5180316738		UNIFORM LAUNDERING SERVICE	\$654.77	
	4/4/2024	122	5180316739		ASTD DUST MOPS, WET MOPS & TERRY	\$115.96	
187138	4/11/2024		9959684569	VERIZON WIRELESS	WIRELESS SERV 02/21/24-03/20/24	\$1,120.46	\$1,120.46

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187085	4/11/2024	144	1FH6LGP63KNV	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$48.72	\$1,064.66
	4/11/2024	120	1KFY6HWYXQ7L		ASTD OFFICE SUPPLIES	\$385.41	
	4/11/2024	130	1KYXL4WRJ1X4		CREDIT: ASTD OFFICE SUPPLIES	\$-283.97	
	4/11/2024	170	1LYWTF9WJVHT		CREDIT: ASTD OFFICE SUPPLIES	\$-66.44	
	4/11/2024	170	1NXV63MWD11Q		ASTD OFFICE SUPPLIES	\$43.71	
	4/11/2024	120	1PJ1FK9W1PGL		ASTD OFFICE SUPPLIES	\$363.56	
	4/11/2024	144	1RVDRCPT4CPK		ASTD OFFICE SUPPLIES	\$214.66	
	4/11/2024	170	1VT6DPPW3MTN		ASTD OFFICE SUPPLIES	\$199.32	
	4/11/2024		1YD7L3LWGQT3		ASTD OFFICE SUPPLIES	\$159.69	
187089	4/11/2024	136	2522620539	BANK OF NEW YORK	FEB 2024 SERVICE FEES	\$1,062.51	\$1,062.51
187117	4/11/2024	123	20363	MUNICIPAL MAINT EQUIPMENT INC	6 SAW BLADES	\$1,028.40	\$1,028.40
187057	4/4/2024	113	2403102	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$153.00	\$1,008.00
	4/4/2024	113	2403369		LAB SAMPLE ANALYSIS	\$329.00	
	4/4/2024	113	2403372		LAB SAMPLE ANALYSIS	\$122.00	
	4/4/2024	113	2403591		LAB SAMPLE ANALYSIS	\$216.00	
	4/4/2024		2403595		LAB SAMPLE ANALYSIS	\$188.00	
187036	4/4/2024		49474	ARS - RESCUE ROOTER BAY AREA E	REFUND # 60989	\$500.00	\$1,000.00
	4/4/2024		49523		REFUND # 60990	\$500.00	



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187116	4/11/2024		24642568	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$651.70	\$889.05
	4/11/2024	170	24715721		ASTD PARTS & MATERIALS	\$44.83	
	4/11/2024		24885761		ASTD PARTS & MATERIALS	\$192.52	
187088	4/11/2024		4764747809	AT&T	SERV: 03/11/24 - 04/10/24	\$872.58	\$872.58
187073	4/4/2024	132	54574	SLOAN SAKAI YEUNG & WONG LLP	SPECIAL COUNSEL SERVICES	\$858.00	\$858.00
187045	4/4/2024	173	197891	EXTENSIS	GEOEXPRESS SUBSCRIPTION RENEWAL	\$710.00	\$710.00
187058	4/4/2024		24278435	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$691.63	\$691.63
187029	4/4/2024	170	9146535453	AIRGAS NCN	1 HARNESS SAFETY EXOFIT	\$517.56	\$684.22
	4/4/2024	170	9147868500		ASTD PARTS & MATERIAL	\$166.66	
187136	4/11/2024	170	560560	US AUTO SUPPLY	ASTD PARTS & MATERIALS	\$543.70	\$599.02
	4/11/2024	170	563036		ASTD PARTS & MATERIALS	\$55.32	
187140	4/11/2024	113	8815587853	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$525.95	\$556.72
	4/11/2024	144	8815591595		LAB SUPPLIES	\$30.77	
187053	4/4/2024	113	20240401	DANIEL JACKSON	EXP REIMB: LODGING FOR MARSHALL ENVIRONMENTAL TRAINING	\$545.41	\$545.41
187101	4/11/2024	141	31751	DANOC MANUFACTURING	2 SWEATSHIRTS - S. QUACH	\$271.17	\$529.04
	4/11/2024	141	31752		2 SWEATSHIRTS - J. ATHERTON	\$257.87	
187047	4/4/2024		3T7996	HARRINGTON INDUSTRIAL PLASTICS	ASTD PARTS & MATERIALS	\$133.62	\$510.15
	4/4/2024		3T8021		ASTD PARTS & MATERIALS	\$376.53	
187071	4/4/2024		49677	ROOTER HERO	REFUND # 60986	\$500.00	\$500.00

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187087	4/11/2024		47270	ARS - RESCUE ROOTER BAY AREA E	REFUND # 60999	\$500.00	\$500.00
187102	4/11/2024		41020	DARKSTAR CONSTRUCTION	REFUND # 61004	\$500.00	\$500.00
187103	4/11/2024		49674	ECONOMY ROOTER & PLUMBING INC	REFUND # 61005	\$500.00	\$500.00
187120	4/11/2024		49666	NEW ERA ROOTER & PLUMBING	REFUND # 61003	\$500.00	\$500.00
187126	4/11/2024		49657	RIELSAN GENERAL BUILD & MAINT	REFUND # 60980	\$500.00	\$500.00
187130	4/11/2024		37953	HARI SIVASAMY	REFUND # 60932	\$500.00	\$500.00
187133	4/11/2024		49632	TRENCHFREE INC	REFUND # 60927	\$500.00	\$500.00
187030	4/4/2024	120	4071037120240326	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 03/19/24-BENSON ROAD	\$308.27	\$488.22
	4/4/2024	110	4071038120240326		SERV TO: 03/19/24-BENSON ROAD	\$179.95	
187044	4/4/2024	170	906353475	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$456.32	\$456.32
187100	4/11/2024	144	3790242	DAILY JOURNAL CORPORATION	AD: ORDINNANCE #36.04	\$453.60	\$453.60
187050	4/4/2024	132	20240403	MEGAN HICKS	EXP REIMB: CWEA & ASSP MEMBERSHIP	\$446.00	\$446.00
187068	4/4/2024	172	8201159108	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: J. RUIZ	\$225.00	\$445.22
	4/4/2024	172	8201159422		SAFETY SHOES: M. HOVEY	\$220.22	
187104	4/11/2024	122	56501	EDWARDS & SONS EQUIPMENT SERV	SERVICE CALL & PART REPLACEMENT CS AUTOSHOP LIFT	\$431.35	\$431.35
187109	4/11/2024		605429391	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$425.61	\$425.61
187129	4/11/2024	123	139245162001	SITEONE LANDSCAPE SUPPLY, LLC	4 BULK FILL SAND	\$400.93	\$400.93
187075	4/4/2024	170	6870	THORNTON ENVIRONMENTAL CONST	SERVICE TO REPLACE PROBE CABLE	\$368.25	\$368.25
187056	4/4/2024	120	20240401	MATTHEW LUBINA	EXP REIMB: TEAM RECOGNITION	\$307.49	\$307.49

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187070	4/4/2024		199148	ROADSAFE TRAFFIC SYSTEMS, INC	4 CS MARKING PAINT	\$305.72	\$305.72
187051	4/4/2024	123	50790	HULBERT LUMBER SUPPLY	ASTD LUMBER SUPPLIES	\$300.88	\$300.88
187052	4/4/2024	173	21082522	INFOR PUBLIC SECTOR, INC	HANSEN CONSLTING SERVICES	\$300.00	\$300.00
187062	4/4/2024	120	20240403	SHAWN NESGIS	EXP REIMB: CS ANNUAL RECOGNITION	\$278.59	\$278.59
187039	4/4/2024	121	20240403	ISAIAH CAETANO	EXP REIMB: PER DIEM - CWEA CONFERENCE	\$276.00	\$276.00
187110	4/11/2024	173	6084371	INTRADO LIFE & SAFETY INC	E911 ANNUAL SUBSCRIPTION	\$268.75	\$268.75
187090	4/11/2024	171	27594400	BECK'S SHOES	SAFETY SHOES: J. HERNANDEZ	\$225.00	\$225.00
187131	4/11/2024	111	20240404	SAM SOTH	EXP REIMB: CWEA TRAINING REG	\$215.00	\$215.00
187031	4/4/2024	144	13CFCHKW4JC7	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$33.20	\$202.60
	4/4/2024	121	19G3MHGKJTFR		CREDIT: ASTD OFFICE SUPPLIES	\$-13.28	
	4/4/2024	136	1CNNVDHQ1TP6		ASTD OFFICE SUPPLIES	\$89.63	
	4/4/2024	123	1HDT41WMJCXN		ASTD OFFICE SUPPLIES	\$93.05	
187084	4/11/2024	150	16755	ALAMEDA COUNTY WATER DISTRICT	SPONSORSHIP FEE - SCIENCE & ENGINEERING FAIR	\$200.00	\$200.00
187128	4/11/2024	173	3114	SHARESQUARED INC	SHAREPOINT PROFESSIONAL SUPPORT	\$185.00	\$185.00
187060	4/4/2024	122	246397	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$153.80	\$153.80
187042	4/4/2024	144	3790243	DAILY JOURNAL CORPORATION	AD: ORDINNANCE #36.04	\$143.75	\$143.75
187081	4/4/2024	150	5670	ZELAYA DESIGNS	GRAPHIC DESIGN SVCS FOR PUBLIC OUTREACH	\$118.00	\$118.00
187134	4/11/2024	150	443656	ULTRAEX LLC	COURIER SVCS: 2 BOARDMEMBER DELIVERY - 03/06/24	\$112.60	\$112.60
187106	4/11/2024	130	3672881	FREMONT FLOWERS	FLOWERS: J. SIO-KWOK	\$110.14	\$110.14

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187041	4/4/2024	171	1904704785	CINTAS CORPORATION	1 JACKET - J. HERNANDEZ	\$88.80	\$88.80
187127	4/11/2024	170	85340220240322	SAN FRANCISCO WATER DEPT	SERVICE 02/21/24 - 03/19/24	\$82.42	\$82.42
187095	4/11/2024	132	20240403	EDUARDO CABRERA	EXP REIMB: LIVESCAN FEE PRE-EMPLOYMENT	\$79.00	\$79.00
187112	4/11/2024	136	411395	KLEEN BLAST ABRASIVES	BLASTING MATERIALS	\$77.71	\$77.71
187142	4/11/2024	132	20240409	JAMES WANG	EXP REIMB: LIVESCAN FEE PRE-EMPLOYMENT	\$77.00	\$77.00
187115	4/11/2024	150	20240405	REGINA MCEVOY	EXP REIMB: MEAL COST FOR WORKING LUNCH	\$61.00	\$61.00
187135	4/11/2024	136	98XW53114	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 03/16/24	\$53.90	\$53.90
187076	4/4/2024	136	98XW53104	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 03/09/24	\$51.24	\$51.24
187094	4/11/2024	132	20240402	CODY BYBEE	EXP REIMB: LIVESCAN FEE PRE-EMPLOYMENT	\$40.00	\$40.00
187097	4/11/2024	173	6007281923	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$15.07	\$15.07
187038	4/4/2024	120	18694151	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$13.29	\$13.29

**Invoices:**

<b>Credit Memos :</b>	<b>5</b>	<b>-9,163.21</b>
<b>\$0 - \$1,000 :</b>	<b>118</b>	<b>36,746.55</b>
<b>\$1,000 - \$10,000 :</b>	<b>40</b>	<b>146,661.79</b>
<b>\$10,000 - \$100,000 :</b>	<b>23</b>	<b>774,838.08</b>
<b>Over \$100,000 :</b>	<b>4</b>	<b>1,315,546.26</b>
<b>Total:</b>	<b>190</b>	<b>2,264,629.47</b>

**Checks:**

<b>\$0 - \$1,000 :</b>	<b>57</b>	<b>20,704.07</b>
<b>\$1,000 - \$10,000 :</b>	<b>38</b>	<b>130,513.73</b>
<b>\$10,000 - \$100,000 :</b>	<b>17</b>	<b>499,075.34</b>
<b>Over \$100,000 :</b>	<b>5</b>	<b>1,614,336.33</b>
<b>Total:</b>	<b>117</b>	<b>2,264,629.47</b>



## **With \$369M in upgrades, Palo Alto's regional wastewater plant will help prevent algal bloom**

by Gennady Sheyner

The concrete tank that overlooks the Palo Alto Baylands from Embarcadero Way resembles an industrial-sized Jacuzzi where ducks float through murky, bubbly water, seemingly oblivious to the lightly pungent, industrial scent of the processed sewage.

It is one of four aeration basins that are arranged in a giant square at the city's Regional Quality Control Plant, a sprawling industrial complex that receives and treats sewage from Palo Alto and its partner agencies of Mountain View, East Palo Alto Sanitary District, Los Altos, Los Altos Hills and Stanford University. Three tanks are currently filled, while the fourth basin sits empty as construction workers fortify its concrete base as part of \$369-million upgrade to the treatment plant on Embarcadero Road — the city's most expensive and most complex ongoing infrastructure project.

The effort, which the city kicked off in 2022 and which it plans to complete in 2028, is the biggest upgrade that the plant has seen since 1972, when these basins were initially installed, said plant manager James Allen. Its largest component is a \$193-million upgrade to the secondary treatment system, an industrial process that removes chemicals such as ammonia and nitrogen from sewage. Other ongoing components of the project include a new power distribution system and the rehabilitation of the primary sedimentary tanks, which are located just west of the aeration basins and which separate the sludge from the liquid.

When the city kicked off the project, its primary goal was to replace aged equipment, Allen said during a March 21 site tour. A long-term plan that the city approved for the wastewater plant in 2012 noted that much of the equipment at the plant is between 35 and 51 years old and shows significant signs of wear and tear.

But just as construction began, the project took on a second mission: preventing another red tide.

The clarion call for this new effort came in the summer of 2022, when an algal bloom killed more than 10,000 fish and turned water bodies connected to the bay a shade of reddish brown. The bloom, which first appeared near Alameda and then spread to South San Francisco Bay and San Pablo Bay, was the largest in recorded history, according to the California Ocean Protection Council.

State regulators have taken notice. The San Francisco Regional Water Quality Control Board, which regulates the region's 37 wastewater treatment plants, is scheduled to adopt this summer an updated watershed permit that will set targets for reducing nutrients in wastewater. The current permit, which the board adopted in 2019, required wastewater plants to track and report their nutrient discharge into the bay.

The next permit is still under development, but it is expected to give agencies 10 years to meet new thresholds for reducing nutrient loads in the region, said Lorien Fono, executive director of the Bay Area Clean Water Agencies, an association that helps coordinate the efforts of the Bay Area's dozens of water control plants.

Fono, whose group has been discussing the new requirements with the water board, said the forthcoming watershed permit will create a nutrient limit that would be 50% lower than what the region experienced in the mid-2010's, when the nutrient levels were at their peak. They have since been reduced by about 10%, she said.

The effort will be neither easy nor cheap, she said. BACWA estimates that it will cost about \$11 billion to implement the needed improvements. This works out to about \$4,000 per household using the entire system, the agency estimated.

With the upgrade effort, the Palo Alto plant is methodically preparing for this new, nutrient-light world order. The Embarcadero Way facility has already been treating sewage for ammonia since 1980, Allen said. Once the plant upgrade is completed, the plant would also remove between 50% and 60% of the nitrogen in local wastewater, helping to meet the new standards.

“Ammonia is toxic to fish so we’ve been removing ammonia but we don’t break down the nitrate — that goes out to the bay and it’s converted to nitrogen gas out there,” Allen said. “Now we have to take the nitrogen gas out here.”

Fono said that meeting the requirements of the new permit would require Bay Area plants to make the largest investment in wastewater infrastructure since the 1970s, when cities across the country were upgrading their plants to comply with the Clean Water Act. But unlike at that time, when the federal government made billions of dollars available in grant funding, the agencies don’t have any such funding sources.

Her agency is trying to coordinate the regional response. Its members include the five “principal members”: Central Contra Costa Sanitary District, East Bay Dischargers Authority, East Bay Municipal Utility District, the City and County of San Francisco, and the City of San Jose. Palo Alto, which is the sixth-largest water control district, is one of 12 “associate members,” while dozens of other cities and agencies, including the City of Mountain View, are affiliated members.

“This isn’t going to be a contentious permit, but we want to see a thoughtful and strategic approach because this is going to be extremely costly,” Fono said.

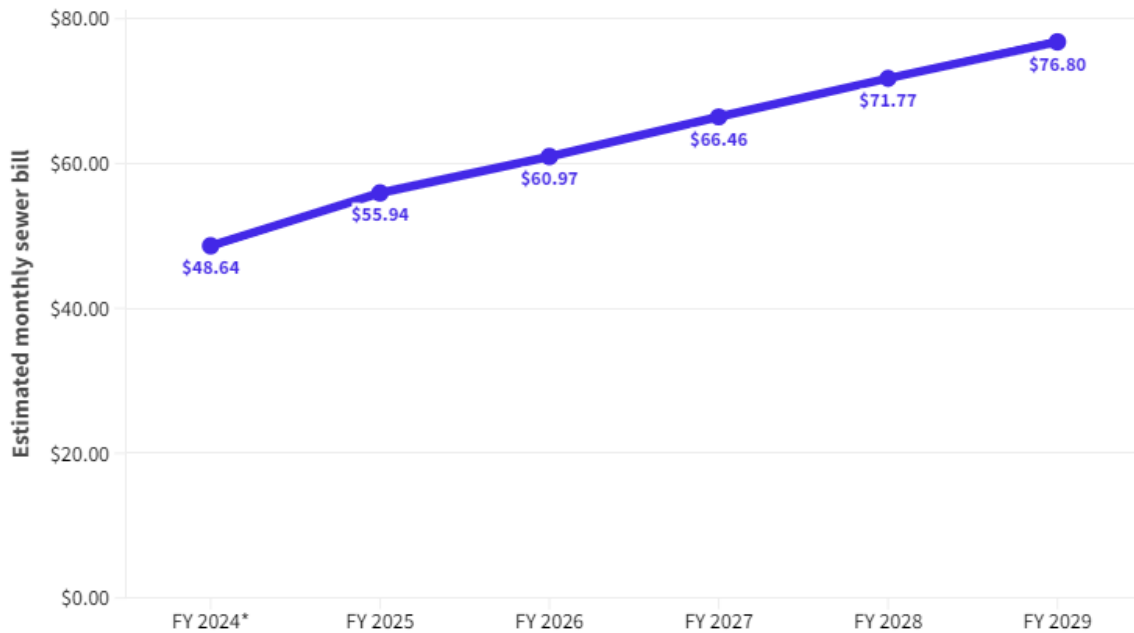
Local ratepayers will soon experience this firsthand. When the Palo Alto City Council adopts its new budget in July, it plans to raise wastewater rates by 15% to pay for the various capital improvements at the wastewater plant, which will add about \$7.30 to the average monthly bill, according to utilities department staff.

Ratepayers should also expect rate hikes of 9% in each of the next two years followed by 8% and 7% increases in each of the following two, according to a rate forecast from the department. The main drivers are the need to replace aged sewer

lines, to refill depleted financial reserves and to pay for debt services on the capital projects at the wastewater plant, according to staff.

### Proposed raises to wastewater rates in Palo Alto over the next five years

Average monthly bills are slated to increase to replace aged sewer lines, refill depleted financial reserves and pay for debt services on the capital projects at the wastewater plant



Source: City of Palo Alto • Note: Fiscal year 2024 began on July 1, 2023 • Graphic by Zoe Morgan.



A Flourish chart

Palo Alto isn't the only agency that is investing in upgrades that aim to reduce nitrogen. The Oro Lomo Sanitary District in Alameda County, for example, recently completed an upgrade to its nutrient treatment process by installing a "sidestream treatment system" on its San Lorenzo plant. The process focuses on the nutrient-rich liquid that results from dewatering anaerobically digested biosolids, which involves microbes breaking down organic matter in the absence of air. Meanwhile, the Union Sanitary District is adding a process for biological nutrient removal at a cost of \$509 million, according to a letter that Fono submitted to the water board in January year.

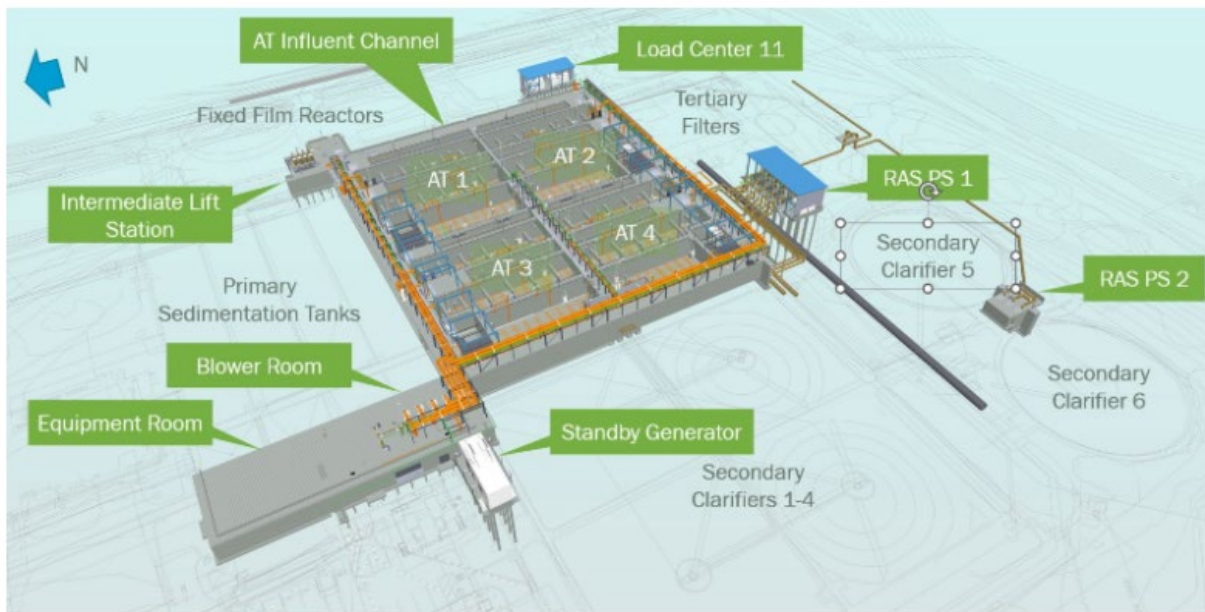
Both the San Francisco Public Utilities Commission and Silicon Valley Clean Water, which is based in Redwood City, are also pursuing sidestream treatment improvements, which are slated to be completed in 2026 and 2029, respectively.



Some districts, like East Bay Municipal Utility District, are trying to meet the nutrient mandate by updating existing infrastructure to maximize nutrient reduction, Fono said. Others are pursuing nutrient-reduction measures through projects that bring other benefits such as water purification. In these cases, the nutrient-reduction component is a happy byproduct that may be valuable but that isn't as conspicuous as the other benefits.

"Frankly, the advantages of these expenditures aren't going to be visible on a day-to-day basis by the community," Fono said of the nutrient-reduction measures. "Assuming we don't have perpetual algal blooms."

Palo Alto is in the third category of agencies: those that are already upgrading aged infrastructure and are including nutrient reduction as part of those projects. As part of the pending upgrade, the aeration basins will be divided with concrete walls to create different zones. Some of these would operate without oxygen and will treat nitrogen, allowing the wastewater plant to reduce the nitrogen that gets emitted into the Bay by about half, according to the city.



The Regional Water Quality Control Plant in Palo Alto is headed for major upgrades as part of a project to improve infrastructure and fight back against the Bay Area's algae problem. Courtesy city of Palo Alto.

The plant upgrade, which is being funded by Palo Alto and its partner cities and agencies, is the city's first major foray into removing nitrogen, a nutrient that serves

as food for the algal species *Heterosigma akashiwo*. Historically, the Bay region has seen relatively cloudy weather, which helps reduce algal blooms because plants need light to grow, Fono said. But thanks to a confluence of factors that include upstream dams and climate change, conditions have become clearer and more favorable to algal blooms, she said.

It's not entirely clear what exactly the "safe" threshold is for nutrients in wastewater, she noted. But the algal bloom events in 2022 and 2023 are a sign that the region needs to do more.

"For 10 years we have been studying the science to understand the impacts of nutrients in the Bay," Fono said. "This project is not complete. We know we want to start reducing nutrients but we don't know what the safe levels are now."

The aeration basin from which Allen describes the ongoing improvements represents the middle step in wastewater's journey from the household to the Bay. After getting flushed down the toilet into the sewer system, the wastewater moves through "bar screens" where bars act like filters to remove roots, rags and other solid items. Pumps then send the wastewater into sedimentation tanks where smaller solids like hair and grease get skimmed off while thick sludge settles at the bottom.

As bottom-feeding sludge thickens into cakes and gets trucked out, the wastewater moves through the plant's two "fixed film reactors," rusty two-story towers that would be instantly recognizable to anyone walking near Byxbee Park. Inside are films of microorganisms that feast on the organic matter in the wastewater before it moves on to the bubbly aeration basins. Once the renovation is complete, the city hopes to decommission the fixed film reactors and transfer the entire process to the aeration basin area.

The wastewater then goes through further filtering, where layers of anthracite coal and sand remove small particles, before getting disinfected by ultraviolet light and discharging into the San Francisco Bay.

The sheer amount of processes and equipment that is packed into the plant makes the upgrade particularly complex, said Karin North, assistant director of the

Department of Public Works. She and Allen likened the upgrade to keeping a patient alive during an open-heart surgery. Every time one aeration basin gets upgraded, the city has to move the pumps and shift the effluent into the other three tanks — a process that will take about five years to complete.

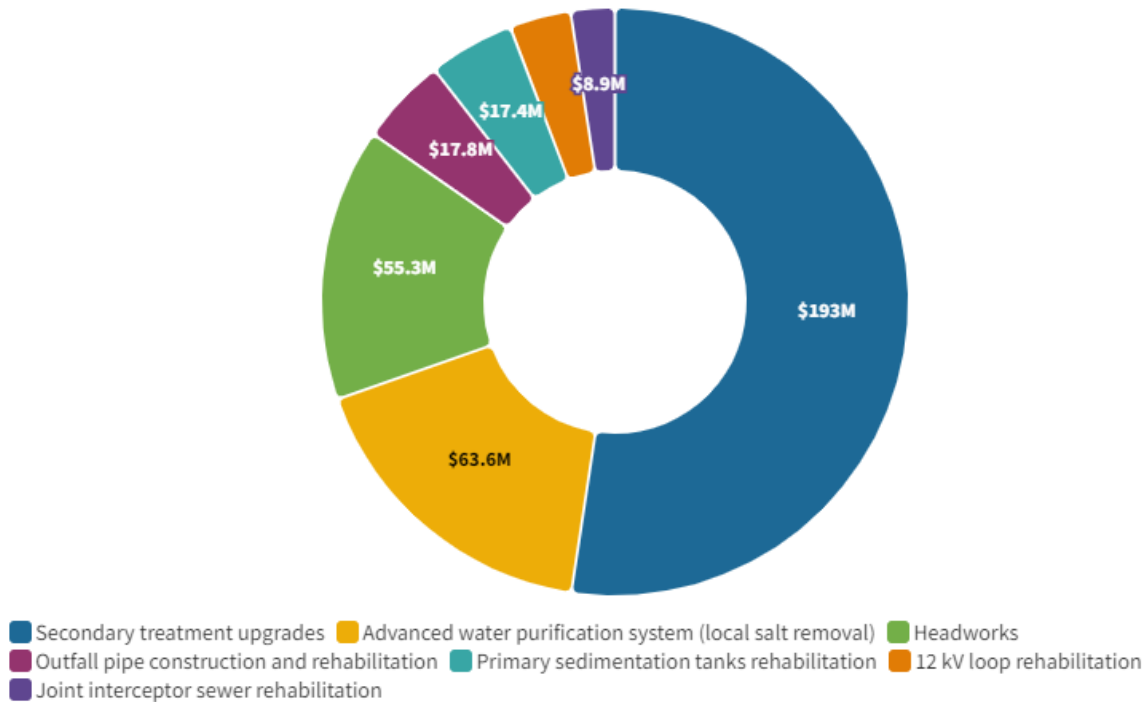
“Other treatment plants that have lots of open land may be able to do it more efficiently than faster than we can, but a lot of the plants in the Peninsula are constrained and it’s one of the complexity aspects of removing a new pollutant,” Allen said.

Allen called the \$193-million upgrade of the secondary-treatment process the “largest project in the city’s history.” North noted that it will have taken about 15 years from the point when the city began designing these improvements to their actual completion.

“We’re in the middle of upgrading our facility while we’re running and operating it at the same time,” North said.

## Palo Alto Regional Water Quality Control Plant capital improvements

The \$369-million upgrade is the city's most expensive ongoing infrastructure project



Source: City of Palo Alto • Graphic by Zoe Morgan.

embarcadero media foundation

A Flourish chart

Critical to the process are the bubbles in the water, caused by pressurized air blowers about 15 feet below the surface and which prevent sludge from settling at the bottom of this tank. The air, according to the city, supports the microorganisms that remove ammonia and other dissolved solids.

In the future, Allen said, the basin will be equipped with a serpentine path, with some sections with the air off (anoxic zone) and others with the air on.

“We’ll be selecting for the different microorganisms in the different sections of the serpentine paths, in one section to break down ammonia ... and in the next section break down the nitrogen,” Allen said.

Once the improvements are complete and the secondary treatment system is enhanced, the city expects nitrogen levels to drop by 50% to 60%. According to Allen, the plant discharged an average of just under 2,000 kilograms per day of total

inorganic nitrogen between 2019 and 2023 during dry seasons, which go from May to November. That number has been rising, first to 2,181 kg in 2022 and then 2,277 kg per day in 2023, indicating nitrogen levels are currently rising.

Allen estimates that once the improvements are complete, the nitrogen levels are expected to go down to about 800 kg per day, well within the proposed threshold of the new permit.

"If we do our part, other agencies do their part, all the nitrogen in the Bay will drop and we won't be at a tipping point causing algae blooms," Allen said.

# The Mercury News

## Marin County challenge state over fecal pollution claim



Pilings for the boat docks at Mira Monte Landing and Marina line the banks of San Antonio Creek near the confluence of the Petaluma River north of Novato. (Jeff Vendsel/IJ file photo)

By [RICHARD HALSTEAD](#) | [rhalstead@marinij.com](mailto:rhalstead@marinij.com) | Marin Independent Journal

PUBLISHED: April 3, 2024

Marin County and Novato are disputing a state water board's contention that they are doing too little to prevent the discharge of fecal bacteria into the Petaluma River.

The San Francisco Bay Regional Water Quality Board notified both the county and Novato in January that they are out of compliance with a program that it adopted in 2019 to reduce the level of fecal bacteria in the river.

Both jurisdictions, however, contend that they are not required to comply with the program because the scheme has not yet been incorporated into their municipal storm sewer system permits, which are issued by the State Water Resources Control Board.

In addition, Jenna Brady, chief deputy county counsel, said, “We don’t believe that they have shown that the county stormwater system is at issue because there are no samples from downstream of our system.”

Nick Nguyen, Novato’s public works director, said the notice the city received was identical to the one sent to the county.

“We are in compliance with the permit,” Nguyen said.

The Regional Water Quality Control Board declined to comment.

“There is the potential this could become an enforcement matter,” Blair Robertson, a spokesperson for the agency, wrote in an email.

The Clean Water Act of 1972 requires states to compile a list of “impaired” water bodies that fail to meet water quality standards and to establish total maximum daily loads (TMDL) for the pollutants causing those impairments.

The main stem of the Petaluma River has been on the impaired list since 1975 because of elevated levels of fecal bacteria. High levels of fecal bacteria indicate the presence of pathogenic organisms that are found in warm-blooded animal waste and pose potential health risks to people who recreate in contaminated waters.

In 2019, the Regional Water Quality Control Board adopted total maximum daily loads for the Petaluma River watershed to address fecal bacteria. The total maximum daily loads identified numerous possible sources for the bacterial contamination, including wastewater treatment plants, onsite wastewater treatment systems, camps of homeless people, dairies, ranches, horse facilities and municipal stormwater runoff.

In its notice to the county, the regional water board wrote that discharges from the county’s municipal storm sewer system were “causing or contributing to exceedances of applicable water quality standards, especially the bacteria water quality objectives.”

The water board went on to say that the county’s permit requires it to “report on actions it will take and complete actions to address the exceedances.”

“However, the Water Board has not received the required reports and is not aware that the county is taking actions sufficient to address the exceedances,” it said. “As a result, the county is not in compliance with the permit.”

The permit referred to is issued periodically by the California State Water Resources Control Board and sets out the regulations governing the county’s municipal storm sewer system.

The county has responded to the regional water board’s notice by submitting a petition to the State Water Resources Control Board. In the petition, the county

asserts that it is in compliance because “the bacteria TMDL for the Petaluma River watershed has not yet been incorporated into the Phase II permit.”

Brady said the petition will not be activated, however, unless the county is unable to settle its dispute with the regional water board. Nguyen said Novato submitted a similar petition based on the county’s filing.

Rob Carson, director of the Marin Countywide Stormwater Pollution Prevention Program, said that even though the permits are designed to be reissued every five years, the county’s permit is 13 years old.

“That is why the TMDL hasn’t been integrated into the permit,” he said. “The state board hasn’t reissued the permit to us yet.”

The regional water board’s notice directed the county and Novato to submit plans and schedules to investigate the sources of high bacteria levels, implement controls and conduct monitoring.

More specifically, it ordered the county and Novato to address non-stormwater discharges associated with unsheltered homeless populations and to monitor bacteria levels in San Antonio Creek at three locations.

San Antonio Creek, which defines the border between Marin and Sonoma counties, is the Petaluma River’s largest tributary and accounts for about 20% of the total watershed. When it issued the total maximum daily loads in 2019, the regional water board stated its intention to add San Antonio Creek to the list of impaired water bodies due to elevated fecal bacteria levels.

Carson said the county is already doing most of the things that the regional water board has directed it to do. It has not, however, begun testing for bacteria levels in San Antonio Creek.

“We will, as the letter requires us to, initiate that testing next month,” Carson said.

Carson added, however, that the three testing sites on San Antonio Creek are not covered by the county’s municipal storm sewer system permit.

“The stormwater permit is an urbanized area discharge permit,” Carson said. “The testing sites all upstream of the urbanized areas.”

Carson said the regional water board has a separate “grazing and dairy waiver program” intended to bring agricultural areas into compliance with water quality objectives.



“The water board recently announced an expansion of that grazing and dairy waiver program to include all of the Petaluma River watershed,” Carson said, “so we feel like that program will address the discharges in San Antonio Creek.”

Carson said the regional water board has announced its intention to expand those two programs into the San Antonio Creed watershed.

“So those property owners will be required to develop ranch plans that talk about how they’re going to control pollutants off of their properties,” he said.

The Petaluma River total maximum daily loads also identified a number of onsite wastewater treatment systems in West Marin, although the bulk are in Sonoma County.

Gwendolyn Baert, an environmental health specialist for Marin County, wrote in an email that the county has shared information about the approximately 20 onsite waste treatment systems located within 200 feet of San Antonio Creek.

“To my knowledge the Regional Board was going to have the property owners have their systems inspected within five years of the effective date of the implementation of the TMDL,” Baert wrote. “If any of the properties were identified as experiencing problems, Marin County Environmental Health Services would follow up for corrective actions.”

As for homeless campers, Carson said the camp on Binford Road is the only one he has identified that could be contributing to the Petaluma River’s fecal bacteria problem. The camp is adjacent to Rush Creek, which connects with the river via Pinkston Slough.

In December, the county announced that it had installed 12 portable restrooms and hand-washing facilities at the site and was offering free, biweekly pump-outs of sewage waste to RV owners there.

## ***What's Clogging the Pipes? The Largest Sewage Collection Study Has the Answers***

*The California Association of Sanitation Agencies, the Responsible Flushing Alliance & the Association of the Nonwoven Fabrics Industry Release the Results of Their Collaborative Collections Study*

April 04, 2024 11:00 AM Eastern Daylight Time

SEATTLE--([BUSINESS WIRE](#))--In accordance with California's Proper Labeling of Wet Wipes law (AB 818), state wastewater agencies and industry experts went deep to find out exactly what is passing through—and clogging up—municipal wastewater systems. Today, the Responsible Flushing Alliance (RFA) alongside the California Association of Sanitation Agencies (CASA) and the Association of the Nonwoven Fabrics Industry (INDA) release the results from the largest known domestic sewage collection study conducted to reveal what's really being flushed down the drain – and shouldn't be.

We took a forensic approach to this collection study, engaging industry and wastewater experts to examine our findings and determine what exactly is being flushed and how much of it," said Adam Link, Executive Director at CASA, a co-sponsor of the Proper Labeling of Wet Wipes Law. "Now that we have the data to see what Californians are flushing and the types of non-flushable items that are causing issues within wastewater systems, local agencies can refine their public outreach and messaging to target specific problems and educate more efficiently."

Collection and material investigation took place in October 2023 at two locations: Inland Empire Utilities Agency (IEUA) in Southern California and Central Contra Costa Sanitary District (Central San) in the greater San Francisco Bay Area in Northern California. Wastewater and wipes experts collected, sorted and identified more than 1,700 items pulled from the two locations during peak flow times. **Kennedy Jenks**, an independent engineering firm, designed the study and compiled the findings into the report.

### **Why Study What's Being Flushed?**

When products that aren't meant to be flushed down the toilet wind up in the sewer system, it can cause serious threats to public and environmental health. In fact, estimates show that local public agencies throughout California (and the ratepayers they represent) are spending more than \$47 million annually to repair wastewater treatment equipment and respond to sewer overflows caused by improper flushing.<sup>1</sup>

“Part of keeping communities healthy requires not flushing things we shouldn’t,” said Lara Wyss, President of the RFA. “However, the data to support which non-flushable items to target as part of education campaigns has been lacking. That’s likely why when we surveyed Californians about what they are flushing, the results revealed that approximately 25% think baby wipes are flushable (which is never true) and 60% self-reported that they flushed something they knew they shouldn’t have.<sup>2</sup> Our study results reinforce that finding, as more than 99% of materials collected were items that shouldn’t have been flushed.”

## **So, What’s Being Flushed? And What Does That Tell Us?**

The breakdown of items collected from pipes at the two study locations included:

- 34.1% wipes labeled with the “Do Not Flush” symbol (baby wipes, cleaning wipes, makeup wipes, etc.)
- 64.9% other non-flushable items (paper towels, period products, trash, etc.)
- 0.9% wipes labeled as flushable

“We pulled material larger than 1-inch square directly from the bar screens, and it wasn’t until everything was sorted and identified that we could see what we actually had,” said Matt O’Sickey, Director of Education and Technical Affairs, INDA. “There were a lot of paper towels and baby wipes and all of the ‘Do Not Flush’ labeled wipes we collected were fully intact, showcasing why they should never be flushed.”

## **What Not to Flush—and How We Tell Consumers**

According to the Proper Wet Wipes Labeling law, manufacturers of non-flushable wipes, including products such as baby wipes, cleaning wipes, makeup removal wipes and many others that are primarily used in a bathroom setting must include the “Do Not Flush” symbol on the front of the packaging.

The #FlushSmart consumer education campaign promotes the “Do Not Flush” symbol and provides information on what should and should not be flushed. The message shared with consumers is simple: Look for the “Do Not Flush” symbol on wipes packaging, and if you see it – throw the wipe out. Extrapolating from the results of this study, refraining from flushing “Do Not Flush” labeled wipes, paper products and feminine hygiene products would capture over 90% of items clogging sewers.

Multi-media assets regarding the collection study:

- Full collection study report: <https://www.flushsmart.org/CA-Collection-Study-Report-Full>

- Video explaining the collection study: <https://youtu.be/L-UD6KB8AVA?si=RJIPuxzkhZk3REDE>
- B-roll from collection study: <https://youtu.be/f-zpJbz310I?si=Z8zPPjY51yYZG1GU>
- Collection study infographic: <https://www.flushsmart.org/wp-content/uploads/Collection-Study-Infographic-01APR2024.pdf>

## **About California Association of Sanitation Agencies**

CASA represents more than 135 local public agencies engaged in the collection, treatment and recycling of wastewater and biosolids to protect public health and the environment. Our mission is to provide trusted information and advocacy on behalf of California clean water agencies, and to be a leader in sustainability and utilization of renewable resources.

## **About Responsible Flushing Alliance**

The Responsible Flushing Alliance (RFA) is a 501(c)(6) non-profit organization dedicated to consumer education focused on what not to flush. RFA's goal is to change consumer behavior to help reduce damage to our nation's sewage systems caused by objects and materials not designed to be flushed. For more information, visit <https://www.flushsmart.org> or on [Facebook](#), [TikTok](#), [Instagram](#), and [X](#).

## **About INDA**

Founded in 1968, INDA member companies represent the entire nonwovens value-chain. From raw materials and roll goods producers, to machinery manufacturers and converters, to brand owners, we work each day to fulfill our mission of "fostering member and industry success through its activities." We do this by providing thought-leadership in Innovation & Technology through conference content, recognition awards and industry reports; protecting markets that are important to our members through focused Product Stewardship; advocating for industry sectors impacted by regulatory or consumer driven issues; organizing face-to-face interaction through industry expositions and events to facilitate the advancement of each participant's interests; recruiting, educating and training industry members through strengthened outreach and broadening of on-site and on-line courses relevant to experience levels and market segments; and enhancing access to new markets through international activities.

## **About Kennedy Jenks**

Kennedy Jenks is a leading water and environmental engineering firm that serves public agencies and private-sector clients with over 475 employees nationwide. The

employee-owned firm delivers innovative design, construction, and technology solutions for water and environmental projects across the United States.

<sup>1</sup> [https://www.nacwa.org/docs/default-source/resources---public/govaff-3-cost\\_of\\_wipes-1.pdf?sfvrsn=b535fe61\\_2](https://www.nacwa.org/docs/default-source/resources---public/govaff-3-cost_of_wipes-1.pdf?sfvrsn=b535fe61_2)

<sup>2</sup> <https://www.prweb.com/releases/new-survey-finds-consumers-still-disposing-non-flushable-items-down-the-toilet-sparking-increase-in-consumer-education-efforts-847221681.html>

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# Feds fine EBMUD, 5 East Bay cities for raw sewage violations

By [Stephen Ellison](#) • Published April 12, 2024 • Updated on April 12, 2024 at 9:11 am

The federal government has fined Oakland and four other East Bay cities along with regional water districts for violating a settlement regarding untreated sewage reaching San Francisco Bay, according to a news release Thursday.

The U.S. Environmental Protection Agency and the San Francisco Bay Regional Water Quality Control Board announced \$372,876 in penalties against the East Bay Municipal Utility District, the Stege Sanitary District and five East Bay cities: Oakland, Alameda, Albany, Berkeley and Piedmont.

Oakland is responsible for a majority of the total combined fine.

The EPA says all the entities violated a settlement under the 2014 Clean Water Act in which they had paid a combined \$1.5 million penalty for past sewage discharges and agreed to upgrade their 1,600-mile-long sewer system infrastructure over 21 years.

Since that settlement, about 114 miles of sewer main pipe have been upgraded and about 650 miles of private sewer pipes have been certified as leak-free, the EPA said.

"These East Bay cities and utilities made commitments to upgrade aging sewer infrastructure, which is a necessary step for protecting the waters of San Francisco Bay and surrounding communities," said EPA Pacific Southwest Regional Administrator Martha Guzman. "We're taking this action to ensure they live up to those commitments and undertake the efforts needed to renew wastewater infrastructure."

The violations occurred between July 2021 and June 2023, the EPA says. Here's how the fines break down by entity:

- City of Oakland, \$278,200: Failure to prevent 67 sanitary sewer overflows from reaching waters.
- EBMUD, \$28,000: Failure to prevent a sanitary sewer overflow from reaching waters and failure to meet effluent limitations for coliform.

- Stege Sanitary District (serving El Cerrito, Kensington, and a portion of Richmond), \$25,000: Failure to prevent a sanitary sewer overflow from reaching waters.
- City of Piedmont, \$15,876: Failure to timely rehabilitate the required footage of sewer mains.
- City of Alameda, \$200: Failure to prevent a sanitary sewer overflow from reaching waters.
- City of Albany: \$25,000: Failure to prevent a sanitary sewer overflow from reaching waters.
- City of Berkeley, \$600: Failure to prevent three sanitary sewer overflows from reaching waters.