



CITY OF SWEET HOME CITY COUNCIL AGENDA

March 14, 2023, 6:30 PM
Sweet Home City Hall, 3225 Main Street
Sweet Home, OR 97386

WIFI Passcode: guestwifi

PLEASE silence all cell phones – Anyone who wishes to speak, please sign in.

Mission Statement

The City of Sweet Home will work to build an economically strong community with an efficient and effective local government that will provide infrastructure and essential services to the citizens we serve. As efficient stewards of the valuable assets available, we will be responsive to the community while planning and preparing for the future.

Meeting Information

The City of Sweet Home is streaming the meeting via the Microsoft Teams platform and asks the public to consider this option. There will be opportunity for public input via the live stream. To view the meeting live, online visit <http://live.sweethomeor.gov>. If you don't have access to the internet you can call in to 1-971-203-2871, choose option #1 and enter the Meeting ID: 473 954 605#

This video stream and call in options are allowed under Council Rules, meet the requirements for Oregon Public Meeting Law, and have been approved by the Mayor and Chairperson of the meeting.

I. Call to Order and Pledge of Allegiance

II. Roll Call

III. Consent Agenda:

- a) [*Request for Council Action - Mahler WRF Dewatering Equipment contingency budget](#)
- a) Approval of Minutes:
 - i) [2023-02-28 City Council Minutes](#)
 - ii) [2023-03-01 City Council Meeting - SP](#)
 - iii) [2023-03-01 City Council Training Minutes](#)

IV. Recognition of Visitors and Hearing of Petitions:

- a) Water Quality and Operator Award Presentation
- b) Sweet Home Police Swearing In - Sergeant Geoff Hamlin

V. Old Business:

VI. New Business:

- a) [Request for Council Action - Parks System Master Plan Contract](#)
- b) [Request for Council Action - Mahler WRF Interim Improvement Project Contract Award](#)
- c) [Request for Council Action - Zone Map Amendment and Comprehensive Plan Map Amendment Applications for Signature](#)

VII. Ordinance Bills

The location of the meeting is accessible to the disabled. If you have a disability that requires accommodation, advanced notice is requested by notifying the City Manager's Office at 541-367-8969.

- a) Request for Council Action and First Reading of Ordinance Bills
- b) Second Reading of Ordinance Bills
 - i) [Request for Council Action – Ordinance No. 8 for 2023 – Sweet Home Ordinance Establishing the Public and Traffic Safety Committee.](#)
- c) Third Reading of Ordinance Bills (Roll Call Vote Required)
 - i) [Ordinance No. 7 for 2023 - Ordinance No. 1313 - An Ordinance Adding to the Sweet Home Development Code Sweet Home Municipal Code Chapter 17.75 Mobile Food Units and Amending the Sweet Home Municipal Code §17.16.020, §17.18.020, §17.20.020, §17.25.020, and §17.26.020: Mobile Food Unit or Mobile Food Unit Pod, Subject to Chapter 17.75.](#)

VIII. Reports of Committees:

VIII. Citizen Advisory Committees:

- Ad Hoc Committee on Health
- Ad Hoc Committee on Arts and Culture
- Library Advisory Board
- Park and Tree Committee
 - i) [Arbor Day Celebration Flyer](#)
- Youth Advisory Council

VIII. Council subcommittees:

- Administrative and Finance/Property

VIII. Council Reports: Non City Committees:

- Area Commission on Transportation
- Chamber of Commerce
- Charter Review Committee
- Council of Governments
- Solid Waste Advisory Council

IX. Reports of City Officials:

- City Manager's Report
 - i) [Oregon Public Library Association Election Email](#)
- Mayor's Report

X. Department Director's Reports (1st meeting of the Month)

- Library Services Director
 - i) [Library Director's Report February 2023](#)
- Community and Economic Development Director
 - i) [Community and Economic Development Director's Report February 2023](#)
- Public Works Director
 - i) [Public Works Director's Monthly Report February 2023](#)
 - ii) [MWRF Monthly Report](#)
- City Attorney

XI. Council Business for Good of the Order

XII Adjournment



REQUEST FOR COUNCIL ACTION

Title:	Request for Council Action - Mahler WRF Dewatering Equipment contingency budget
Preferred Agenda:	March 14, 2023
Submitted By:	Trish Rice, Engineering Technician Greg Springman, Public Works Director
Reviewed By:	Kelcey Young, City Manager
Type of Action:	Resolution <input type="checkbox"/> Motion <input type="checkbox"/> Roll Call <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Relevant Code/Policy:	N/A
Towards Council Goal:	1.1 Develop specific steps for implementation of the adopted infrastructure master plans.
Attachments:	N/A

Purpose of this RCA:

Staff requests authorization of owner-controlled contingency funds for the dewatering equipment for the Mahler WRF Improvements Project.

Background/Context:

On February 14 Council awarded the contract to FKC Co. Ltd for the procurement of mechanical equipment (dewatering screw press and appurtenances) for \$617,257. During submittal reviews, it was discovered that the conveyor belt layout needs to be adjusted and a longer conveyor will be ordered. The additional cost is \$13,275. Staff missed including contingency funds in the previous request, so we are now requesting authorization of up to \$25,000 (4%) owner-controlled contingency to cover this change and any other small changes that may occur during the rest of the submittal reviews.

This project is funded by a combination of the \$7M state earmark. We project our eligible expenses by June 30 for the earmark will be at least \$7.15M before contingencies (potentially up to \$7.46M including contingencies), ensuring that the City makes full use of the grant funds before the grant expires. There are sufficient ARPA funds available to cover expenditures beyond the \$7M grant.

The Challenge/Problem:

To make efficient use of limited funds to complete needed wastewater treatment improvements and satisfy DEQ requirements and state funding timelines.

Stakeholders:

- *City Residents*. Residents are the customers who deserve good service with the highest return on their taxes and fees that we can provide, and who trust the City to maintain their infrastructure systems at a high level of service.
- *Council Members*. Council members are the voice of the citizens we serve. Each member of this group is interested in providing the best service possible at the lowest possible cost. They must balance leadership with representation.
- *Public Works Department Staff*. This project will greatly improve the operability of the WWTP which is currently undersized and beyond its serviceable lifespan. Staff spends significant time fixing broken down equipment and fighting with system inefficiencies.
- *Management Team*. Comprised of five department heads, each with a responsibility to the citizens and City Manager to run their day-to-day operations as efficiently as possible.
- *Oregon DEQ*. The WWTP upgrade project is required to comply with DEQ regulations.

Issues and Financial Impacts:

This project is funded by a combination of the \$7M state earmark. We project our eligible expenses by June 30 for the earmark will be at least \$7.15M before contingencies (potentially up to \$7.46M including contingencies), ensuring that the City makes full use of the grant funds before the grant expires. There are sufficient ARPA funds available to cover expenditures beyond the \$7M grant.

Elements of a Stable Solution:

A stable solution will provide efficient completion of needed facility improvements and make full use of the funding from the State of Oregon for this project.

Options:

1. *Option 1 – Move to authorize the contingency funds as presented.* Recommended.
2. *Option 2 – Move to authorize a different contingency fund.* Not recommended.
3. *Option 3 – Do nothing.* Not recommended.

Recommendation:

Staff recommends *Option 1 – Move to authorize the contingency funds as presented.*



CITY OF SWEET HOME CITY COUNCIL MINUTES

February 28, 2023, 6:30 PM
Sweet Home City Hall, 3225 Main Street
Sweet Home, OR 97386

WIFI Passcode: guestwifi

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Mission Statement

The City of Sweet Home will work to build an economically strong community with an efficient and effective local government that will provide infrastructure and essential services to the citizens we serve. As efficient stewards of the valuable assets available, we will be responsive to the community while planning and preparing for the future.

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This video stream and call in options are allowed under Council Rules, meet the requirements for Oregon Public Meeting Law, and have been approved by the Mayor and Chairperson of the meeting.

Call to Order and Pledge of Allegiance

The meeting was called to order at 6:30 PM.

Roll Call

PRESENT

Mayor Susan Coleman
President Pro Tem Greg Mahler
Councilor Dave Trask
Councilor Lisa Gourley
Councilor Angelita Sanchez
Councilor Dylan Richards
Councilor Josh Thorstad

STAFF

City Manager Kelcey Young
Communications Manager Adam Leisinger
Administrative Services Manager Julie Fisher
City Attorney Robert Snyder
Public Works Director Greg Springman
Police Chief Jason Ogden

Consent Agenda:

Motion made to approve the consent agenda by President Pro Tem Mahler, Seconded by Councilor Thorstad.

Voting Yea: Mayor Coleman, President Pro Tem Mahler, Councilor Trask, Councilor Gourley, Councilor

Sanchez, Councilor Richards, Councilor Thorstad

- a) Consent Agenda - Employee Handbook Updates

Approval of Minutes:

- a) 2023-02-14 City Council Meeting Minutes

Recognition of Visitors and Hearing of Petitions:

Nancy White and Sherman McDowell both spoke regarding code enforcement and safety concerns regarding a property on 6th Street. The Council directed staff to begin abatement on the property on Wednesday, March 1st.

Old Business:

None

New Business:

- a) Arbor Day Proclamation

Mayor Coleman read a proclamation regarding Arbor Day.

- b) Proclamation - Support of Fir Lawn Luthern

Mayor Coleman read a proclamation in support of Fir Lawn Lutheran and all houses of worship following the suspicious fire that damaged the church building.

Ordinance Bills

Request for Council Action and First Reading of Ordinance Bills

- a) Request for Council Action – Ordinance No. 8 for 2023 – Sweet Home Ordinance Establishing the Public and Traffic Safety Committee.

City Manager Kelcey Young provide the Council with a staff report stating the the Traffic Safety Committee is being reestablished as per direction of the Council.

Motion to move Ordinance No. 8 for 2023 to first reading made by Councilor Richards, Seconded by President Pro Tem Mahler.

Voting Yea: Mayor Coleman, President Pro Tem Mahler, Councilor Trask, Councilor Gourley, Councilor Sanchez, Councilor Richards, Councilor Thorstad

Ordinance No. 8 for 2023 was read in its entirety.

Motion to move Ordinance No. 8 for 2023 to second reading by President Pro Tem Mahler, Seconded by Councilor Richards.

Voting Yea: Mayor Coleman, President Pro Tem Mahler, Councilor Trask, Councilor Gourley, Councilor Sanchez, Councilor Richards, Councilor Thorstad

Second Reading of Ordinance Bills

- a) Ordinance No. 7 for 2023 - Ordinance No. - An Ordinance Adding to the Sweet Home Development Code Sweet Home Municipal Code Chapter 17.75 Mobile Food Units and Amending the Sweet Home Municipal Code §17.16.020, §17.18.020, §17.20.020, §17.25.020, and §17.26.020: Mobile Food Unit or Mobile Food Unit Pod, Subject to Chapter 17.75.

Ordinance No. 7 for 2023 was read by title only.

Motion to move Ordinance No. 7 for 2023 to third and final reading by President Pro Tem Mahler, Seconded by Councilor Richards.

Voting Yea: Mayor Coleman, President Pro Tem Mahler, Councilor Trask, Councilor Gourley, Councilor Sanchez, Councilor Richards, Councilor Thorstad

Third Reading of Ordinance Bills (Roll Call Vote Required)

- a) Ordinance Bill No. 4 for 2023 - Ordinance No. 1311 - Sweet Home Ordinance Amending Various Sections of the Sweet Home Municipal Code.

Ordinance Bill No. 4 for 2023 - Ordinance 1311 - Sweet Home Ordinance Amending Various Sections of the Sweet Home Municipal Code was read by title only.

City Manager Kelcey Young clarified some fence concerns that were brought forward by some community members. Councilor Sanchez asked if there was a way that some financial support could be offered to help property owners comply. There was discussion on using Commercial Exterior Improvement Program up to \$500 match for code compliance aide. Staff was directed to return in March with a proposal.

Motion made to approve Ordinance No. 4 for 2023 - Ordinance No. 1311 by President Pro Tem Mahler, Seconded by Councilor Richards.

Voting Yea: Mayor Coleman, President Pro Tem Mahler, Councilor Trask, Councilor Gourley, Councilor Sanchez, Councilor Richards, Councilor Thorstad

- b) Ordinance Bill No. 6 for 2023 - Ordinance No. 1312 - Sweet Home Ordinance Creating SHMC Section 10.08.033 Pertaining to Recreational Vehicle Custody, Towing and Disposition with Expediency Clause.

Ordinance No. 6 was read by title only.

Motion to approve Ordinance Bill No. 6 for 2023 - Ordinance No. 1312 - Sweet Home Ordinance Creating SHMC Section 10.08.033 Pertaining to Recreational Vehicle Custody, Towing and Disposition with Expediency Clause made by Councilor Richards, Seconded by President Pro Tem Mahler.

Voting Yea: Mayor Coleman, President Pro Tem Mahler, Councilor Trask, Councilor Gourley, Councilor Sanchez, Councilor Richards, Councilor Thorstad

Reports of Committees:

Mayor Coleman stated she has asked the committees be rearranged on the agenda to clarify which committees are City committees, which have citizen involvement (including those citizens within the Sweet Home School District), and which are outside committees that a councilperson reports as a liaison.

Citizen Advisory Committees:

Ad Hoc Committee on Arts and Culture

Councilor Gourley reported the first Ad Hoc Committee on Arts and Culture was held.

Park and Tree Committee

Councilor Dave Trask reported trees were planted in Northside Park and construction is underway for a future dog park.

Council Subcommittees: None

Council Reports: Non City Committees: None

Reports of City Officials:

City Manager's Report

City Manager Young reported there will be a City Council training on March 1, 2023 from 5:30-9:30 PM and another on March 18th from 10AM - 2PM.

The Annual Chamber of Commerce Award Banquet will be held on March 11th at 6PM.

City Manager Young reported on attending the Planning Session regarding Foster Lake. The meetings will include opportunity for input throughout the entire process.

City Manager Young stated she is due for her first evaluation. An Executive Session was scheduled for March 14, 2023 at 5:30 PM.

City Manager Young reported staff is working to request funding from Senators and Federal sources for various projects to include the Sweet Home Public Library, small businesses, old City Hall, additional security cameras, and 24th Street railroad crossing. Each request requires 3 letters of support.

City Manager reported for Library Services Director Megan Dazey who was not able to attend. The Library is hosting a Library Card Design Contest. A student contest is also happening and each Sweet Home student will receive a library card.

There is now a seed lending library available to the community at the library.

Mayor's Report

Mayor Coleman reported she attended the USACOE Planning Meeting for Foster Lake. City Manager Young also attended. Mayor Coleman stated it was a good meeting and the COE was very open to working together.

Mayor Coleman congratulated the Sweet Home Wrestling Team and Swim Team who both obtained 2nd place in their recent competitions.

Mayor Coleman stated she is saddened by the fire that damaged Fir Lawn Lutheran Church. Fir Lawn Lutheran has hosted fundraisers for summer camps and held events such as craft fairs. Her thoughts and support is with Fir Lawn Lutheran.

Department Director's Reports (2nd meeting of the Month)

Finance Director

No Report

Police Chief

a) Police Department Monthly Report

A written report was included in the packet. Chief Ogden added that the Sweet Home Police Department is working with the Sweet Home Fire Department, the State Fire Marshalls office, the Oregon State Police Arson Unit on the Fir Lawn Lutheran fire. The incident is an open investigation and anyone with any information is asked to contact the police department.

Chief Ogden reviewed tends and calls volumes. It was announced that three officers have graduated academy and one is currently attending.. There are currently three vacancies for Sweet Home police officers.

City Attorney

No Report

Council Business for Good of the Order

Councilor Richards stated that he and Councilor Sanchez met with Commissioner Tucker.

Councilor Sanchez reported there will be a Public Hearing on SB445 on rural traffic safety funding.

Councilor Sanchez also reported she learned of a deadline of March 10, 2023 for requesting funding for homelessness. A special meeting was scheduled for March 1st to consider a State of Emergency to be able to be eligible for funding related to the Governor's State of Emergency on homelessness.

Adjournment

The meeting adjourned at 7:40 PM.

Mayor

ATTEST:

City Manager – Ex Officio City Recorder



CITY OF SWEET HOME CITY COUNCIL MINUTES

March 01, 2023, 8:00 PM
Sweet Home City Hall, 3225 Main Street
Sweet Home, OR 97386

WIFI Passcode: guestwifi

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Mission Statement

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Call to Order and Pledge of Allegiance

The special meeting was called to order at 8 PM.

Roll Call

PRESENT

Mayor Susan Coleman
President Pro Tem Greg Mahler
Councilor Dave Trask
Councilor Lisa Gourley
Councilor Angelita Sanchez
Councilor Dylan Richards
Councilor Josh Thorstad

STAFF

City Manager Kelcey Young
City Attorney Robert Snyder
Communications Manager Adam Leisinger
Administrative Services Manager Julie Fisher
Public Works Director Greg Springman
Library Services Director Megan Dazey
Police Chief Jason Ogden

Recognition of Visitors and Hearing of Petitions:

None

New Business:

- a) Proclamation - State of Emergency Regarding Homelessness

The City Council held a special meeting to discuss declaring a State of Emergency for the matter of homelessness.

City Manager Young presented the items for consideration stating the Council has options to either Declare a State of Emergency or not, approve or deny the Letter for Request to

The location of the meeting is accessible to the disabled. If you have a disability that requires accommodation, advanced notice is requested by notifying the City Manager's Office at 541-367-8969.

Governor Kotek requesting Sweet Home be covered by Executive Order 23-02, and approve or deny Resolution No. 3 for 2023. City Manager Young stated that Council could approve or deny any or all of the items.

There was Council discussion. Mayor Coleman asked each Councilor for their thoughts.

Motion made by Councilor Sanchez, Seconded by Councilor Richards to Declare a State of Emergency due to the issues of homelessness, authorize the Letter of Request to Governor Kotek, and approve Resolution No. 3 for 2023.

Roll Call Vote:

Mayor Coleman, Yes

President Pro Tem Mahler, Yes

Councilor Trask, Yes

Councilor Gourley, Yes

Councilor Sanchez, Yes

Councilor Richards, Yes

Councilor Thorstad, Yes

The motion passed with all in favor.

Adjournment

The meeting adjourned at 8:29 PM.

Mayor

ATTEST:

City Manager – Ex Officio City Recorder



CITY OF SWEET HOME CITY COUNCIL MINUTES

March 01, 2023, 5:30 PM
Sweet Home City Hall, 3225 Main Street
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Meeting Information:

Call to Order and Pledge of Allegiance

The meeting was called to order at 5:30 p.m..

Roll Call

PRESENT

Mayor Susan Coleman
President Pro Tem Greg Mahler
Councilor Dave Trask
Councilor Lisa Gourley
Councilor Angelita Sanchez
Councilor Dylan Richards
Councilor Josh Thorstad

STAFF

City Manager Kelcey Young
City Attorney Robert Snyder
Administrative Services Manager Julie Fisher
Library Services Director Megan Dazey
Communications Manager Adam Leisinger
Police Chief Jason Ogden
Public Works Director Greg Springman

New Business:

- a) City Council Training

Council received reports from the Library, Police, Executive and Public Works.

The meeting was recessed at 8:00 p.m. for a City Council Special Meeting, and reopened at 8:30 p.m.

City Manager Kelcey Young presented information on Robert's Rules of Order and Council Rules.

Adjournment

The meeting adjourned at 9:50 p.m

Mayor

ATTEST:

City Manager – Ex Officio City Recorder



REQUEST FOR COUNCIL ACTION

Title: Parks System Master Plan Contract

Preferred Agenda: March 14, 2023

Submitted By: Blair Larsen, Community & Economic Development Director

Reviewed By: Kelcey Young, City Manager

Type of Action: Resolution Motion Roll Call Other

Relevant Code/Policy: N/A

Towards Council Goal: Aspiration I: Desirable Community; Aspiration III: Viable and Sustainable Infrastructure

Attachments: Parks System Master Plan Contract with Cameron McCarthy Exhibits

Purpose of this RCA:

The purpose of this RCA is to request approval of a contract for an updated Parks System Master Plan.

Background/Context:

The City last updated its Parks System Master Plan in 2014. Unfortunately, that plan failed to include standards for park amenities or distances residents should be required to travel to get to a park. In addition, the plan did not include a clear plan for acquiring additional park land and does not include the Quarry Property acquired by the City in 2017.

Last year Staff applied and received for a grant from the Oregon Parks and Recreation Department for an updated Parks System Master Plan. Staff issued a Request for Proposals in January. While only one firm responded to the RFP, they, Cameron McCarthy come highly-recommended and have the experience and skills necessary to complete the work within the City's budget.

The Challenge/Problem:

How does the City plan for future parks and park improvements?

Stakeholders:

- Sweet Home Residents – Residents deserve a well-planned parks system that provides open space and opportunities for recreation throughout the City.
- Sweet Home City Council – The City Council is responsible for policy decisions regarding City infrastructure, including Parks.

- Sweet Home City Staff – Staff need clear guidance on desired park improvements that has been vetted by the public so that they can plan future improvements in a cost-effective manner.

Issues and Financial Impacts:

The Oregon Parks and Recreation Department Grant is \$30,000 with a required 40% match of \$20,000 from the City for a total project budget of \$50,000. This funding is included in the current budget.

Elements of a Stable Solution:

A stable solution includes approving a contract for an updated Parks System Master Plan.

Options:

1. Do Nothing – If the Council chooses to do nothing, then no contract for this project would be signed, the Parks System Master Plan would not be updated, and no funding from the Oregon Parks and Recreation Department would be received.
2. Authorize the City Manager to sign the attached Contract with Cameron McCarthy – Once the agreement is fully executed, Cameron McCarthy will begin work on the project.
3. Direct Staff to research other ways to accomplish the same goals.

Recommendation:

Staff recommends option 2: Authorize the City Manager to sign the attached Contract with Cameron McCarthy.

**City of Sweet Home
Personal Services Contract for
Planning or Design Services**

This Contract is by and between the City of Sweet Home (“City”) and Cameron McCarthy Landscape Architecture and Planning (“Consultant”) for the development of a Parks System Master Plan.

A. RECITALS

City has conducted a formal solicitation for proposals from qualified firms pursuant to Public Contracting law.

Consultant submitted its proposal, having examined the Request for Proposals (RFP), and was chosen as the most highly qualified consultant, best suited to meet City's needs pursuant to the RFP criteria.

City has awarded the contract to Consultant.

B. CONTRACT EXHIBITS

The following exhibits are hereby incorporated by reference into this Contract:

Exhibit A – Scope of Work

Exhibit B – Oregon Personal Services Public Contracting Code Requirements

Exhibit C – Request for Proposals

Exhibit D – Consultant's Proposal

Exhibit E – Consultant's Price Proposal

C. AGREEMENT

1. Schedule for Rendering Services

1.1 Commencement. Consultant is authorized to begin rendering services under this contract from the date of its execution.

1.2 Time for Completion. Consultant shall complete its obligations within 9 months of contract execution.

If, through no fault of Consultant, such time or dates are changed, or the orderly and continuous progress of Consultant's services is impaired, or Consultant's services are delayed or suspended, then the time for completion of Consultant's services, and the rates and amounts of Consultant's compensation, shall be adjusted equitably.

If City authorizes changes in the scope, extent, or character of Consultant's services, then the time for completion of Consultant's services, and the rates and amounts of Consultant's compensation, shall be adjusted equitably.

City shall make decisions and carry out its other responsibilities in a timely manner so as not to delay the Consultant's performance of its services.

If Consultant fails, through its own fault, to complete the performance required in this Agreement within the time set forth, as duly adjusted, then City shall be entitled to the recovery of direct damages, if any, resulting from such failure.

2. Scope of Work

Consultant shall provide all services and deliver all materials as specified in the attached Exhibits A, C and D, and as may be described by future addenda to this Contract.

3. Compensation

3.1 Compensation. For the services described and performed by Consultant, the City agrees to pay, and the Consultant agrees to accept, compensation in a lump sum amount not to exceed \$50,000, in accordance with Exhibit E, Consultant's Price Proposal.

3.2 Invoices. Within 60 days following City acceptance of project deliverables as identified in Exhibits A, C, and D, Consultant shall invoice the City in summary form, itemized by work tasks, for all services performed under this contract. Reimbursable expenses shall be itemized and backup invoices provided if required by City.

3.3 Payments.

- a. City will review Consultant's invoice and within ten (10) days of receipt notify Consultant in writing if there is a disagreement or dispute with the invoice. If there are no such disputes with the invoice, City shall pay the invoice amount in full within thirty (30) days of invoice date.
- b. If City fails to make any payment due Consultant for services and expenses within thirty (30) days of the date on Consultant's invoice therefore, late fees will be added to amounts due Consultant at the rate of 1.0 percent per month from original invoice date. Invoices in dispute are not subject to such late fees until such time as they are no longer in dispute. In addition, Consultant may, after giving seven (7) days written notice to City, suspend services under this Contract until Consultant has been paid in full all amounts due for services, expenses, and charges, except any invoices in dispute.

4. Contractor Is an Independent Contractor

Consultant shall be an independent contractor for all purposes and shall be entitled to no compensation other than the compensation provided for under this Contract. While City reserves the right to set various schedules and evaluate the quality of Consultant's completed work, City cannot and will not control the means and manner of Consultant's performance. Consultant is responsible for determining the appropriate means and manner of performing work. Consultant is responsible for all federal and state taxes applicable to compensation and payment paid to Consultant under the Contract and will not have any amounts withheld by City to cover Consultant's tax obligations. Consultant is not eligible for any City fringe benefit plans.

5. Notices

All notices provided for hereunder shall be in writing and shall be deemed to be duly served on the date of delivery if delivered in person, when receipt of transmission is generated by the transmitting facsimile machine if delivered by facsimile transmission, on the day after deposit if delivered by overnight courier, or three days after deposit if delivered by placing in the U.S. mail, first-class, postage prepaid. Any notice delivered by facsimile transmission shall be followed by a hard copy. All notices shall be addressed as follows:

City: Blair Larsen, Community and Economic Development Director
 City of Sweet Home
 3225 Main Street
 Sweet Home, OR 97386
 Phone: (541) 818-8036
 Fax: (541) 367-5007

Consultant: Colin McArthur
 Cameron McCarthy Landscape Architecture and Planning
 160 East Broadway
 Eugene, OR 97401
 Phone: (541) 485-7385

6. Indemnification

Consultant shall indemnify, hold harmless, and defend City and its representatives, officers, directors, and employees from any loss or claim made by third parties, including legal fees and costs of defending actions or suits resulting directly or indirectly from Consultant's negligent performance and/or fault of Consultant, its employees, representatives, or subcontractors. If the loss or claim is caused by the joint concurrent negligence or other fault of City and Consultant, the loss or claim shall be borne by each in proportion to the degree of negligence or other fault attributable to each.

Consultant shall defend City from claims covered under this section at Consultant's sole cost and expense until such time (1) as an arbitration panel or a court of competent jurisdiction determines that City is liable in whole or in part for the loss or claim caused by City's negligence or (2) until City and Consultant mutually agree to allocate the liability.

7. Insurance Requirements

7.1 During the term of this Contract, Consultant shall maintain, at its own expense, the following types of insurance in the following amounts:

- a. Commercial general liability insurance, including coverage for premises operations, independent contractors, protected products, completed operations, contractual liability, personal injury, and broad form for property damage (including coverage for explosion, collapse, and underground hazards, if applicable):

\$1,000,000 – each occurrence (bodily injury)

\$2,000,000 – general aggregate
\$1,000,000 – property damage, contractual, etc.
\$2,000,000 – umbrella liability coverage
Coverage shall also include contractual liability coverage for the indemnity provided under this contract.

- b. Automobile Liability insurance limit shall not be less than \$1,000,000 combined single limit per accident.
- c. Workers' Compensation and employer's liability insurance per ORS Chapter 656. The employer's liability limit shall not be less than \$1,000,000 per occurrence.
- d. Professional Liability for Errors and Omissions insurance covering Consultant's liability arising out of negligent acts, errors or omissions in its performance of work or services under this Contract. Such policy will have a combined single limit of not less than \$2,000,000 per each claim, incident or occurrence for the term of the Project. Such policy will be on a claims made basis and will have an extended claims reporting period of five (5) years after final completion.
- e. The limits required in this Section 7.1 may be met with a combination of underlying and umbrella coverage.

7.2 Except as required in 7.1(d) above, if any of the above required insurance is arranged on a "claims made" basis, "tail" coverage will be required at final completion or termination of this Contract for a duration of two (2) years.

7.3 Policies shall provide that City, its council, officers, representatives, employees, and agents will be included as an additional insured with respect to the coverages required in Section 7.1(a) and a waiver of subrogation against them shall be obtained for all coverages.

7.4 All coverages under Section 7.1 shall be primary over any insurance City may carry on its own.

7.5 City shall be solely responsible for any loss, damage or destruction to its own property, equipment, and materials used in conjunction with the work or services under this Contract.

7.6 All policies of insurance shall be issued by good, responsible companies, with a rating reasonably acceptable to City and that are qualified to do business in the state of Oregon.

7.7 Consultant shall furnish City with certificates of insurance evidencing all required coverages prior to commencing any work or services under this Contract. If requested by City, Consultant shall furnish City with executed copies of such policies of insurance. Consultant shall furnish City with at least 30 days' written notice of cancellation of, or any modification to, the required insurance coverages. Failure to maintain any required insurance coverages in the minimum required amounts shall constitute a material breach of this Contract and shall be grounds for immediate termination of this Contract.

7.8 All liability insurance, except for Workers' Compensation, Professional Liability, and Network Security and Privacy Liability (if applicable), required under this Contract must include an additional insured endorsement with the certificate of insurance specifying the City of Sweet Home, its officers, employees and agents as Additional Insureds, including additional insured status with respect to liability arising out of ongoing operations and completed operations, but only with respect to Contractor's activities to be performed under this Contract. Coverage shall be primary and non-contributory with any other insurance and self-insurance. The Additional Insured endorsement with respect to liability arising out of Consultant's ongoing operations must be on ISO Form CG 20 10 07 04 or equivalent and the Additional Insured endorsement with respect to completed operations must be on ISO form CG 20 37 04 13 or equivalent and attached to Certificate of Insurance.

8. Workers' Compensation

8.1 Consultant, its subcontractors, if any, and all employers working under this Contract are subject employers under the Oregon Workers' Compensation Law and shall comply with ORS 656.017, which requires them to provide workers' compensation coverage for all subject workers.

8.2 Consultant warrants that all persons engaged in Contract work and subject to the Oregon Workers' Compensation Law are covered by a workers' compensation plan or insurance policy that fully complies with Oregon law. Consultant shall indemnify City for any liability incurred by City as a result of Consultant's breach of the warranty under this paragraph.

9. Hours of Employment

Consultant shall comply with all applicable state and federal laws regarding employment.

10. Assignments and Subcontractors

Consultant may not assign or subcontract any of its responsibilities under this Contract without City's prior written consent. Consultant's assigning or subcontracting of any of its responsibilities under the Contract without City's consent shall constitute a material breach of this Contract. Regardless of any assignment or subcontract, Consultant shall remain liable for all of its obligations under this Contract.

11. Labor and Material

Consultant shall provide and pay for all labor, materials, equipment, tools, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of all Contract work, all at no cost to City other than the compensation provided in this Contract.

12. Ownership of Work and Documents

All work performed by Consultant and compensated by City pursuant to this Contract shall be the property of City upon full compensation for that work performed or document

produced to Consultant, and it is agreed by the parties that such documents are works made for hire. Consultant hereby conveys, transfers and grants to City all rights of reproduction and the copyright to all such documents. However, in the event City reuses or modifies any materials furnished to City by Consultant, without Consultant's involvement or consent, then Consultant shall not be responsible for the materials.

13. Termination for Convenience

13.1 This Contract may be terminated by mutual consent of the parties upon written notice. In addition, City may terminate all or part of this Contract upon determining that termination is in the best interest of City by giving seven (7) days' prior written notice of intent to terminate, without waiving any claims or remedies it may have against Consultant. Upon termination under this paragraph, Consultant shall be entitled to payment in accordance with the terms of this Contract for Contract work completed and accepted before termination less previous amounts paid and any claim(s) City has against Consultant. Pursuant to this paragraph, Consultant shall submit an itemized invoice for all unreimbursed Contract work completed before termination and all Contract closeout costs actually incurred by Consultant. City shall not be liable for any costs invoiced later than thirty (30) days after termination unless Consultant can show good cause beyond its control for the delay.

13.2 City may unilaterally order Consultant to suspend all or part of the services under this Contract. If City suspends certain services under this Contract and later orders Consultant to resume those services, Consultant will be entitled to reimbursements for the costs actually and reasonably incurred, if any, in re-starting the suspended services.

14. Termination for Cause

City may terminate this Contract effective upon delivery of written notice to Consultant, or at such later date as may be established by City, under any of the following conditions:

14.1 If City funding is not obtained and continued at levels sufficient to allow for purchases of the indicated quantity of services. The Contract may be modified to accommodate a reduction in funds.

14.2 If federal or state regulations or guidelines are modified, changed, or interpreted in such a way that the services are no longer allowable or appropriate for purchase under this Contract or are no longer eligible for the funding proposed for payments authorized by this Contract.

14.3 If any license or certificate required by law or regulation to be held by Consultant to provide the services required by this Contract is for any reason denied, revoked, or not renewed.

15. Termination for Default

Either City or Consultant may terminate this Contract in the event of a breach of the Contract by the other. Prior to such termination, the party seeking termination shall give to the other party written notice of the breach and intent to terminate. If the party committing the breach has not entirely cured the breach within fifteen (15) days of the

date of the notice, then the party giving the notice may terminate the Contract at any time thereafter by giving a written notice of termination.

If Consultant fails to perform in the manner called for in this Contract or if Consultant fails to comply with any other provisions of the Contract, City may terminate this Contract for default. Termination shall be effected by serving a notice of termination on Consultant setting forth the manner in which Consultant is in default. Consultant shall be paid the Contract price only for services performed in accordance with the manner of performance as set forth in this Contract.

16. Remedies

In the event of breach of this Contract the parties shall have the following remedies:

16.1 If terminated under paragraph 15 by City due to a breach by Consultant, City may complete the work either itself, by agreement with another contractor, or by a combination thereof. If the cost of completing the work exceeds the remaining unpaid balance of the total compensation provided under this Contract, then Consultant shall pay to City the amount of the reasonable excess.

16.2 In addition to the above remedies for a breach by Consultant, City also shall be entitled to any other equitable and legal remedies that are available.

16.3 If City breaches this Contract, Consultant's remedy shall be limited to termination of the Contract and receipt of Contract payments to which Consultant is entitled.

16.4 City shall not be liable for any indirect, incidental, consequential, or special damages under the Contract or any damages arising solely from terminating the Contract in accordance with its terms.

16.5 Upon receiving a notice of termination, and except as otherwise directed in writing by City, Consultant shall immediately cease all activities related to the services and work under this Contract. As directed by City, Consultant shall, upon termination, deliver to City all then existing work product that, if the Contract had been completed, would be required to be delivered to City.

17. Nondiscrimination

During the term of this Contract, Consultant shall not discriminate against any employee or applicant for employment on the basis of any protected class as defined in ORS279A.112(b).

18. Governing Law; Jurisdiction; Venue

This Contract shall be governed by and construed in accordance with the laws of the state of Oregon without regard to principles of conflicts of law. Any claim, action, suit or proceeding (collectively "Claim") between City and Consultant that arises from or relates to this Contract which results in litigation shall be brought and conducted solely and exclusively within the Circuit Court of Linn County for the state of Oregon; provided, however, if a Claim must be brought in a federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of

Oregon. CONSULTANT BY EXECUTION OF THIS CONTRACT, HEREBY CONSENTS TO THE IN PERSONAM JURISDICTION OF SAID COURTS. Nothing herein shall be construed as a waiver of City's protections under the Oregon Tort Claims Act.

19. Compliance with Laws and Regulations

Consultant shall comply with all federal, state and local laws, regulations, executive orders and ordinances applicable to the services under this Contract. Without limiting the generality of the foregoing, Consultant expressly agrees to comply with: (i) ORS 659a.142; (ii) all regulations and administrative rules established pursuant to the foregoing laws; and (iii) City's performance under this Contract is conditioned upon Consultant's compliance with all applicable provisions of the Oregon Public Contracting Code, as more particularly set forth in Exhibit B and incorporated herein by this reference. Consultant, its sub-consultants and all employers providing work, labor or materials under this Contract are subject employers under the Oregon workers' compensation law and shall comply with ORS 656.017, which requires them to provide Oregon workers' compensation coverage that satisfies Oregon law for all their subject workers. Consultant shall adhere to all safety standards and regulations established by City for work performed on its premises or under its auspices.

20. Experience, Capabilities and Resources

By execution of this Contract, the Consultant agrees that:

Consultant is an experienced engineering or landscape architecture firm having the skill, legal capacity, and professional ability necessary to perform all the services required under this Contract to design or administer any work within the scope and complexity contemplated by this Contract.

Consultant has the capabilities and resources necessary to perform the obligations of this Contract.

Consultant is familiar with all current laws, rules, and regulations which are applicable to the design and construction of work which may fall within the scope of this Contract, and that all drawings, specifications, and other documents prepared by Consultant shall be prepared in accordance with the standard of care of other professionals performing similar services under similar conditions and in an effort to accurately reflect and incorporate all such laws, rules, and regulations.

21. Drawings, Specifications and Other Documents

Consultant hereby agrees that it will, in a manner consistent with its standard of care defined in above in Section 20, prepare all drawings, specifications, and other documents pursuant to this Contract so that they are complete and that any project, if constructed in accordance with the intent established by such drawings, specifications, and other documents, shall be structurally sound and a complete and properly functioning facility.

22. Errors and Omissions

Consultant shall be responsible for correcting any errors or omissions in the drawings, specifications, and/or other documents which deviate from the standard of care set forth in Section 21. Consultant shall correct at no additional cost to City any and all such errors and omissions in the drawings, specifications, and other documents prepared by Consultant or its sub-consultants. Consultant further agrees to assist City in resolving problems relating to any project designs or specified materials.

23. Contract Performance

Consultant shall at all times carry on the services diligently, without delay and punctually fulfill all requirements herein. Consultant shall not be liable for delays that are beyond Consultant's control. Contract expiration shall not extinguish, prejudice, or limit either party's right to enforce this Contract with respect to any breach of Consultant's warranties or a default or defect in performance by Consultant that has not been cured.

24. Access to Records

For not less than three (3) years after the Contract expiration and for the purpose of making audit, examination, excerpts, and transcripts, City, and its duly authorized representatives shall have access to Consultant's books, documents, papers, and records that are pertinent to this Contract. If, for any reason, any part of this Contract, or any resulting construction contract(s) is involved in litigation, Consultant shall retain all pertinent records for not less than three years or until all litigation is resolved, whichever is longer. Consultant shall provide full access to these records to City, and City's duly authorized representatives in preparation for and during litigation.

25. Representations and Warranties

Consultant represents and warrants to City that (1) Consultant has the power and authority to enter into and perform this Contract, (2) when executed and delivered, this Contract shall be a valid and binding obligation of Consultant enforceable in accordance with its terms, (3) Consultant shall, at all times during the term of this Contract, be duly licensed to perform the services, and if there is no licensing requirement for the profession or services, be duly qualified and competent, (4) the services under this Contract shall be performed in accordance with the professional skill, care and standards of other professionals performing similar services under similar conditions. The warranties set forth in this section are in addition to, and not in lieu of, any other warranties provided.

26. City Obligations

26.1 City shall provide full information in a timely manner regarding requirements for and limitations on projects and work tasks. With regard to subcontractor liens, City shall furnish to Consultant, within fifteen (15) days after receipt of a written request, information necessary and relevant for Consultant to evaluate, give notice of, or enforce lien.

26.2 City shall establish and update, if necessary, overall project budgets, including engineering and construction costs.

26.3 City shall furnish the services of consultants, including geotechnical engineers, when such services are requested by Consultant, reasonably required by the scope of a project, and agreed to by City.

26.4 City shall furnish all testing as required by law or the contract documents.

26.5 City shall furnish all legal accounting, auditing and insurance services as necessary for projects to meet the City's needs and interests, after Consultant has performed requisite project management and oversight duties.

26.6 City shall provide prompt written notice to Consultant if City becomes aware of any fault or defect in a project, including any errors, omissions or inconsistencies in Consultant's design or performance under the contract.

26.7 City shall pay Consultant in accordance with paragraph 3 and Exhibit E of this Contract, upon receipt of Consultant's submission of monthly invoices, and satisfactory progress and performance made in accordance with the scope of work. Payments shall reflect work completed, or progress made on a project to date, on a pro rata basis.

26.8 City shall report the total amount of all payments to Consultant, including any expenses, in accordance with federal Internal Revenue Service and State of Oregon Department of Revenue regulations.

26.9 City shall guarantee access to, and make all provisions for Consultant to enter upon public and private property necessary for performance of the Scope of Work over which City exercises control.

26.10 Extra work or work on contingency tasks is not permitted unless authorized by the City in writing. Failure of Consultant to secure written authorization for extra work shall constitute a waiver of all rights to an adjustment in the Agreement price or Agreement time.

27. Arbitration

All claims, disputes, and other matters in question between the City and Consultant arising out of, or relating to this Contract, including rescission, reformation, enforcement, or the breach thereof except for claims which may have been waived by the making or acceptance of final payment, may be decided by binding arbitration in City's sole discretion, in accordance with Uniform Oregon Arbitration Act ORS 36.600 et seq. and any additional rules mutually agreed to by both parties. If the parties cannot agree on rules within ten (10) days after the notice of demand, the presiding judge of the Linn County Circuit Court will establish rules to govern the arbitration. The City shall have the sole discretion as to whether or not dispute will be decided by arbitration rather than through the court process.

A claim by Consultant arising out of, or relating to this Contract must be made in writing and delivered to the City Manager not less than 30 days after the date of the occurrence giving rise to the claim. Failure to file a claim with the City Manager within 30 days of the date of the occurrence that gave rise to the claim shall constitute a waiver of the claim. A claim filed with the City Manager will be considered by the City Council at the Council's

next regularly scheduled meeting. At that meeting the Council will render a written decision approving or denying the claim. If the claim is denied by the Council, the Consultant may file a written request for arbitration with the City Manager. No demand for arbitration shall be effective until the City Council has rendered a written decision denying the underlying claim. No demand for arbitration shall be made later than thirty (30) days after the date on which the City has rendered a written decision on the underlying claim. The failure to demand arbitration within said 30 days shall result in the City Council's decision being binding upon the City and Consultant.

Notice of demand for arbitration shall be filed in writing with the other party to the agreement. The demand for arbitration shall be made within the 30-day period specified above. The City, if not the party demanding arbitration, has the option of allowing the matter to proceed with binding arbitration or by written notice within five (5) days after receipt of a demand for arbitration, to reject arbitration and require the Consultant to proceed through the courts for relief. If arbitration is followed, the parties agree that the award rendered by the arbitrators will be final, judgment may be entered upon it in any court having jurisdiction thereof, and will not be subject to modifications or appeal except to the extent permitted by Oregon law.

28. Attorney Fees

If suit, action or arbitration is brought either directly or indirectly to rescind, reform, interpret or enforce the terms of this contract, the prevailing party shall recover and the losing party hereby agrees to pay reasonable attorney's fees incurred in such proceeding, in both the trial and appellate courts, as well as the costs and disbursements. Further, if it becomes necessary for City to incur the services of an attorney to enforce any provision of this contract without initiating litigation, Consultant agrees to pay City's attorney's fees so incurred. Such costs and fees shall bear interest at the maximum legal rate from the date incurred until the date paid by losing party.

29. Successors and Assigns

The provisions of this Contract shall be binding upon and shall inure to the benefit of the parties hereto, and their respective successors and assigns.

30. Limitation of Liabilities

City shall not be liable for (i) any indirect, incidental, consequential, or special damages under the Contract or (ii) any damages of any sort arising solely from the termination of this Contract in accordance with its terms. Consultant shall not be liable for any consequential damages under this Contract.

31. Foreign Contractor

If Consultant is not domiciled in or registered to do business in the state of Oregon, Consultant shall promptly provide to the Oregon Department of Revenue and the Secretary of State Corporation Division all information required by those agencies relative to this Contract. Consultant shall demonstrate its legal capacity to perform the work under this Contract in the state of Oregon prior to entering into this Contract.

32. Confidentiality

Consultant shall maintain the confidentiality of any of City's information that has been so marked as confidential, unless withholding such information would violate the law, create the risk of significant harm to the public or prevent Consultant from establishing a claim or defense in an adjudicatory proceeding. Consultant shall require similar agreements from City's and/or Consultant's sub-consultants to maintain the confidentiality of information of City.

33. Force Majeure

Consultant shall not be deemed in default hereof nor liable for damages arising from its failure to perform its duties or obligations hereunder if such is due to causes beyond its reasonable control, including, but not limited to, acts of God, acts of civil or military authorities, fires, floods, windstorms, earthquakes, strikes or other labor disturbances, civil commotion or war.

34. Waivers

No waiver by City of any provision of this Contract shall be deemed to be a waiver of any other provision hereof or of any subsequent breach by Consultant of the same or any other provision. City's consent to or approval of any act by Consultant requiring City's consent or approval shall not be deemed to render unnecessary the obtaining of City's consent to or approval of any subsequent act by Consultant, whether or not similar to the act so consented to or approved.

35. Severability

Any provision of this Contract which shall prove to be invalid, void or illegal shall in no way affect, impair or invalidate any other provision hereof, and such remaining provisions shall remain in full force and effect.

36. Survival

All provisions of this Agreement that would reasonably be expected to survive the termination of this Agreement will do so.

37. Headings

The captions contained in this Contract are for convenience only and shall not be considered in the construction or interpretation of any provision hereof.

38. Integration and Modification

This Contract, including the attached exhibits referenced in Section B, contains the entire agreement between the parties regarding the matters referenced herein and supersedes all prior written or oral discussions or agreements regarding the matters addressed by this Contract. Any modifications or amendments to this Contract will only be effective when made in writing and signed by authorized parties for each party to this Contract.

39. Authority

The representatives signing on behalf of the parties certify that they are duly authorized by the party for which they sign to make this Contract.

40. Certificate of Compliance with Oregon Tax Laws

By executing this Contract, Consultant certifies under penalty of perjury that Consultant is, to the best of Consultant's knowledge, not in violation of any Oregon tax laws described in ORS 305.385(6) and (7).

41. Time is of the Essence

Time is of the essence under this Contract.

CITY OF SWEET HOME

By: _____

Name: Kelcey Young

Title: City Manager

Date: _____

Authorized & Approved by the City Council.
City Manager approves contract.

Approved as to form.

By: _____

Name: Robert Snyder

Title: City Attorney

Date: _____

CONSULTANT

Colin McArthur, AICP Digitally signed by Colin McArthur, AICP
Date: 2023.03.09 16:12:59 -08'00'
By: _____
Authorized Signature

Name: Colin McArthur, AICP

Title: Principal

Date: March 9, 2023

Exhibit A

Scope of Work

SERVICES AND RESPONSIBILITY OF CONSULTANT

Consultant shall deliver and the City shall adopt an updated Plan that addresses both community values and the previously mentioned objectives, and will:

- Provide a comprehensive update to the 2014 Park System Master Plan that represents the latest ideas and trends in parks and recreation planning.
- Provide an update that includes opportunities for inclusion and diversity.
- Offer opportunities for potential funding or revenue ideas.
- Be reflective of community desires informed by a well-thought out and updated vision that is tailored for Sweet Home.
- Address partnership possibilities with the Sweet Home School District, Linn County, and the Willamette National Forest Service. This information shall include both opportunities and constraints.
- Be responsive to needs and conditions that currently exist or could arise in the future due to decisions made today.
- Be informed by existing plans, accurate data and metrics, including National Parks and Recreation Association Standards, and provide comparisons to Sweet Home with similar, outdoor oriented recreational communities.
- Offer opportunities that the City could undertake for public involvement and participation that reflect a community driven planning process that is open, transparent and inclusive.
- Align with applicable adopted plans, policies, priorities, and regulations.
- Comply with all applicable local and state regulations and policies.

This project is limited to the creation and public adoption process of a Park System Master Plans that meets these objectives. The future capital projects needed to fulfill adopted plans will be the responsibility of the City. Project considerations must carefully evaluate public input, as well as the unique character, existing conditions, and future development potential of the area. The scope of services and deliverables to be performed by the consultant pursuant to this RFP include, without limitation, the submittal and execution of the following:

1. **Channel of Communication:** Consultant shall work through assigned primary staff.
2. **Meeting Notes:** The consultant shall keep an accurate record of meetings summarizing such meetings to be provided to the City for retention purposes.
3. **Research & Progress Reports:** The consultant shall be responsible for submitting progress reports and research information relative to the project. Consultant shall provide research and advice suitable to enable completion of the project.
4. **Meetings:** The consultant will be responsible for meeting (virtually, in person, or teleconference) with City staff and the City Park & Tree Committee. The number and frequency of the meetings will be determined in consultation with both staff and the consultant before the project starts. The purpose of the meetings will be to establish objectives, discuss alternatives, provide direction, seek confirmation, and review progress.
5. **Maximization of Budget Resources:** Selected consultant shall endeavor to minimize costs. This is a key expectation.
6. **Public Outreach & Involvement:** A public participation process for City implementation

that assists staff in the adoption of an updated Plan with specific strategies and an action plan for implementation (Covid-19 precautions should be included if warranted).

Exhibit B

Oregon Public Contracting Requirements

ORS CHAPTERS 279B AND 279C REQUIREMENTS

- (1) Consultant shall pay promptly, as due, all persons supplying labor or materials for the prosecution of the work provided for in the contract, and shall be responsible for such payment of all persons supplying such labor or material to any Subcontractor.
- (2) Consultant shall promptly pay all contributions or amounts due the Industrial Accident Fund from such Consultant or Subcontractor incurred in the performance of the contract.
- (3) Consultant shall not permit any lien or claim to be filed or prosecuted against the City on account of any labor or material furnished and agrees to assume responsibility for satisfaction of any such lien so filed or prosecuted.
- (4) Consultant and any Subcontractor shall pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.617.
- (5) If Consultant fails, neglects or refuses to make prompt payment of any claim for labor or materials furnished to the Consultant or a Subcontractor by any person in connection with the contract as such claim becomes due, the City may pay such claim to the persons furnishing the labor or material and charge the amount of payment against funds due or to become due Consultant by reason of the contract. The payment of a claim in the manner authorized hereby shall not relieve the Consultant or his surety from his or its obligation with respect to any unpaid claim. If the City is unable to determine the validity of any claim for labor or material furnished, the City may withhold from any current payment due Consultant an amount equal to said claim until its validity is determined and the claim, if valid, is paid.
- (6) Consultant shall promptly, as due, make payment to any person, copartnership, association, or corporation, furnishing medical, surgical and hospital care or other needed care and attention, incident to sickness or injury, to employees of such Consultant, of all sums which the Consultant agrees to pay for such services and all monies and sums which the Consultant collected or deducted from the wages of employees pursuant to any law, contract or agreement for the purpose of providing or paying for such service.
- (7) Consultant shall pay Consultant's employees who work under the public contract at least time and a half for all overtime the employees work in excess of 40 hours in any one week, except for employees under a personal services public contract who are excluded under ORS 653.010 to 653.261 or under 29 U.S.C. 201 to 209 from receiving overtime.
- (8) The Consultant must give notice to employees who work on this contract in writing, either at the time of hire or before commencement of work on the contract, or by posting a notice in a location frequented by employees, of the number of hours per day and the days per week that the employees may be required to work.
- (9) All subject employers working under the Consultant are either employers that will comply with ORS 656.017, or employers that are exempt under ORS 656.126.

(10) All sums due the State Unemployment Compensation Fund from the Consultant or any Subcontractor in connection with the performance of the contract shall be promptly so paid.

(11) The contract may be canceled at the election of City for any willful failure on the part of Consultant to faithfully perform the contract according to its terms.

(12) Consultant certifies compliance with all applicable Oregon tax laws, in accordance with ORS 305.385.

(13) Consultant certifies that it has not discriminated against minorities, women or emerging small business enterprises in obtaining any required subcontractors.

Exhibit C
Request for Proposals

Exhibit D
Consultant's Proposal

Exhibit E

Consultant's Schedule of Rates and Charges



REQUEST FOR PROPOSALS

**Project: SWEET HOME PARK SYSTEM MASTER PLAN
COMPREHENSIVE UPDATE**

Proposal Due Date: February 3, 2023 at 4 PM.

City of Sweet Home
Community & Economic Development Department
3225 Main Street
Sweet Home, Oregon 97386

Contact Person
Community & Economic Development Director
Blair Larsen
(541) 818-8036 (Direct)
blarsen@sweethomeor.gov

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1 Introduction

The City of Sweet Home is seeking proposals from qualified individuals, firms, or teams (Consultant) for a comprehensive update to the City's Park System Master Plan. The Park System Master Plan will help shape the way the community uses available green space and will develop a strong strategy for placemaking and community identity for both City residents and the surrounding areas. The City is looking for innovative approaches to both community outreach for the development of the plan and the plan itself. Consultant should have demonstrated experience in developing park system master plans through a process of active public engagement. Consultant should also possess demonstrated experience in planning for the recreation needs of tourism-based communities, including innovative ways to increase tourism and community identity.

This RFP, issued in accordance with the provisions of the laws including statutes, ordinances, resolutions, and rules, of the State of Oregon and the City of Sweet Home, invites qualified firms (Proposers) to submit their Proposals to provide the services described.

1.1 Background and Objectives

The City of Sweet Home, pop. 10,097, is an Oregon municipal corporation with city limits covering approximately 6 square miles. The City is set in a beautiful area with many natural amenities both within the City as well as in the surrounding areas. Located in Linn County, 25 miles east of I-5, Sweet Home is the third largest city in the county. The City Council consists of the Mayor and six council members elected from the city at large. The Council acts as the local contract review board for the City. The City operates under a Council-Manager form of government. For matters related to parks, trails, and open space, the City Council is advised by the City Park & Tree Committee, which makes facility improvement and funding recommendations to the Council.

As the closest city in Linn County to the Cascade Mountains and Willamette National Forest, Sweet Home receives thousands of summer tourists for local attractions including recreational boating and fishing on the South Santiam River, Foster Lake, and Green Peter Lake as well as camping and hiking in the National Forest. The City hosts the annual Oregon Jamboree concert festival which draws approximately 15,000 visitors each summer, and is a frequent stop for fuel and supplies for travelers between the Willamette Valley and central Oregon. Additionally, multiple new housing developments are underway and the City is looking to partner with developers for retail and industrial development.

The City is home to 4 neighborhood parks, one community park, and several special use areas such as the Hobart Natural Area and South Hills Trail. Recently, the City has put significant investment into Sankey Park, its flagship park, and acquired more than 230 acres of river front property that is intended to be a future regional park and home of the Oregon Jamboree. The City adopted its current Park System Master Plan in 2014, and plan inadequacies and growth necessitate an updated plan. The City also sees updates to the Park System Master Plan as an opportunity to explore ways to improve wellness, tourism, inclusion, and community pride.

The purpose of this RFP is to select a consultant team to perform the Services (as defined below) and complete a comprehensive Park System Master Plan that includes all the elements described in this RFP.

The purpose of the Park System Master Plan is to provide the City with an updated policy tool relating to the planning, coordination, and implementation of all new park and open space property acquisition and park facility development. In addition, the Plan should include

recommendations and strategies for better utilizing park and open spaces, and funding needed improvements. Cost effective maintenance of these assets is also important.

The Plan will be formally adopted and should integrate with the City of Sweet Home Comprehensive Plan, as well as other infrastructure plans, and at a minimum, shall contain the following elements:

- Inventory and map of the City's existing parks, open spaces, recreational facilities, and trail corridors and connector points.
- Area map of all future needed and recommended facilities with overlay map of existing undeveloped sites suitable for these facilities.
- Opportunities for improvements that will add to the City's efforts to increase tourism in the area.
- Opportunities for improvements that would increase equity and inclusion.
- Design, maintenance, and use standards for existing and future parks and open space facilities.
- Identification of park, trail and open space opportunities within other publicly owned properties and infrastructure systems (City, School, and Fire District facilities, public rights-of-way, street and sidewalk infrastructure, stormwater easements and facilities, etc.).
- Funding and prioritization recommendations and strategies for the implementation of all proposed facilities.
- Review of the adopted Parks Capital Project List, with recommended changes or additions, as well as a general review of the Parks System Development Charge (SDC) rate.
- Research and comparison to other small cities of similar opportunities and constraints.
- Review of Level of Service standard (i.e., acres of park per thousand residents).
- Re-evaluation of the use of the existing parks to ensure they're programmed to their maximum benefit.
- Review of existing local government relationships and recommend partnership opportunities for collaboration with Linn County, the Sweet Home School District.
- General outreach, feasibility and recommendations for the potential creation of a Sweet Home Parks & Recreation District.
- Community outreach and surveys regarding all the above.

The estimated time period in which the Services will be performed will begin in March 2023 through approximately March 2024.

1.2 Scope of Services

Consultant shall deliver and the City shall adopt an updated Plan that addresses both community values and the previously mentioned objectives, and will:

- Provide a comprehensive update to the 2014 Park System Master Plan that represents the latest ideas and trends in parks and recreation planning.
- Provide an update that includes opportunities for inclusion and diversity.
- Offer opportunities for potential funding or revenue ideas.
- Be reflective of community desires informed by a well-thought out and updated vision that is tailored for Sweet Home.
- Address partnership possibilities with the Sweet Home School District, Linn County, and the Willamette National Forest Service. This information shall include both opportunities and constraints.

- Be responsive to needs and conditions that currently exist or could arise in the future due to decisions made today.
- Be informed by existing plans, accurate data and metrics, including National Parks and Recreation Association Standards, and provide comparisons to Sweet Home with similar, outdoor oriented recreational communities.
- Offer opportunities that the City could undertake for public involvement and participation that reflect a community driven planning process that is open, transparent and inclusive.
- Align with applicable adopted plans, policies, priorities, and regulations.
- Comply with all applicable local and state regulations and policies.

This project is limited to the creation and public adoption process of a Park System Master Plans that meets these objectives. The future capital projects needed to fulfill adopted plans will be the responsibility of the City. Project considerations must carefully evaluate public input, as well as the unique character, existing conditions, and future development potential of the area. The scope of services and deliverables to be performed by the consultant pursuant to this RFP include, without limitation, the submittal and execution of the following:

1. **Channel of Communication:** Consultant shall work through assigned primary staff.
2. **Meeting Notes:** The consultant shall keep an accurate record of meetings summarizing such meetings to be provided to the City for retention purposes.
3. **Research & Progress Reports:** The consultant shall be responsible for submitting progress reports and research information relative to the project. Consultant shall provide research and advice suitable to enable completion of the project.
4. **Meetings:** The consultant will be responsible for meeting (virtually, in person, or teleconference) with City staff and the City Park & Tree Committee. The number and frequency of the meetings will be determined in consultation with both staff and the consultant before the project starts. The purpose of the meetings will be to establish objectives, discuss alternatives, provide direction, seek confirmation, and review progress.
5. **Maximization of Budget Resources:** Selected consultant shall endeavor to minimize costs. This is a key expectation.
6. **Public Outreach & Involvement:** A public participation process for City implementation that assists staff in the adoption of an updated Plan with specific strategies and an action plan for implementation (Covid-19 precautions should be included if warranted).

1.3 Procurement Process and Schedule

The City anticipates the following general timeline for its selection process. The City reserves the right to change this schedule.

Activity	Date
Issue RFP	January 3, 2023
Proposal Due Date	February 3, 2023
Review and Scoring of Proposals	February 10, 2023
Negotiations	February 17, 2023
Notice of Intent to Award	February 24, 2023
Award contract	March 15, 2023

1.4 City Rights and Options

The City, at its sole discretion, reserves the following rights:

- a. To supplement, amend, add to, delete from, substitute, and/or change this RFP at any time.
- b. To determine which Proposer, if any, should be selected for interviews and/or negotiations.
- c. To reject any or all proposals or information received pursuant to this RFP.
- d. To cancel this RFP with or without the substitution of another RFP or pre-qualification process.
- e. To request additional data or information after the submittal date, if such data or information is considered pertinent, in the City's sole view, to aid the review and selection process.
- f. To conduct investigations with respect to the qualifications and experience of each Proposer.
- g. To take any action affecting the RFP or the services or facilities subject to this RFP that would be in the best interests of the City.
- h. To require one or more Proposers to supplement, clarify or provide additional information necessary for the City to evaluate the proposals received.
- i. To waive any minor defect or technicality in any proposal received.
- j. To reject any portion of any submittal and/or reject all submittals, to waive any informalities or irregularities in the submittals or to re-advertise.

1.5 Expense of Submittal Preparation

Proposers responding to this RFP do so solely at their own expense.

1.6 Public Records

All proposals submitted are the property of the City of Sweet Home, thus subject to disclosure pursuant to the public records law, as qualified by ORS 279C.107. Accordingly, proposals received and opened shall not be available for public inspection until after City's notice of intent to award this contract is issued. Thereafter, except for information marked "Proprietary", all documents received by City shall be available for public disclosure.

If any submittal contains confidential, technical, financial, or other types of information, the Proposer must clearly label as "Proprietary" the specific portions sought to be kept confidential and specify the exemption that the consultant is relying upon. Marking all, or substantially all of, a response as confidential may result in the response being considered non-responsive by the City. The City will attempt to maintain the confidentiality of materials marked "Proprietary" to the extent permitted under the Oregon Public Records law. By responding to this RFP, Proposers waive any challenge to the City's decisions in this regard.

Notwithstanding the foregoing, Proposers recognize and agree that the City will not be responsible or liable in any way for any losses that the Proposer may suffer from the disclosure of information or materials to third parties.

1.7 Questions/Clarifications Request

No interpretation or clarification of the meaning of any part of this RFP will be made orally to any Proposer. Proposers must request such interpretation or clarification in writing from the City. If any Proposer has questions concerning the proposed project, finds discrepancies or omissions in the solicitation document, or otherwise requires clarification, such matters should be

submitted in writing no later than 4 p.m., local time on January 27, 2023, to:

Blair Larsen
Community & Economic Development Director
3225 Main Street
Sweet Home, Oregon 97386
Email: blarsen@sweethomeor.gov

Note: Only written or email contacts will be acknowledged.

Any and all such interpretations and supplemental instructions will be made in the form of written addenda which will be sent to all recipients of the RFP and shall become part of this RFP. Copies of all questions and answers, and any addenda to supplement the RFP, will be sent by email to each Proposer no later than four days prior to the proposal due date. Only formal written responses to properly submitted questions will be binding.

Contact with City officials (other than Blair Larsen, Community & Economic Development Director) is not allowed and will be considered as grounds for disqualification from the selection process.

The current Park System Master Plan is accessible on the City website, and will be posted as an appendix to this RFP.

1.8 Equal Opportunity Requirements

The selected Proposer, in the performance of all services, will not discriminate based on age, race, color, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability.

1.9 Protest Procedures

1.9.1 Protests of Solicitation

Proposers are directed to the protest procedures contained in OAR 137-048-0240. Proposers may submit a written protest of anything contained in an RFP and may request a change to any provision, specification or Contract term contained in an RFP, no later than seven (7) calendar days prior to the date Proposals are due. Each protest and request for change must include the reasons for the protest or request, and any proposed changes to the RFP provisions, specifications or Contract terms.

1.9.2 Protests of Contract Award

Proposers are directed to the protest procedures contained in OAR 137-048-0240. A Proposer who claims to have been adversely affected or aggrieved by the selection of the highest ranked Proposer may submit a written protest of the selection to the Contracting Agency no later than seven (7) calendar days after the date of the selection notice. A Proposer submitting a protest must claim that the protesting Proposer is the highest ranked Proposer because the proposals of all higher ranked Proposers failed to meet the requirements of the RFP or because the higher ranked Proposers otherwise are not qualified to perform the Engineering Services described in the RFP.

2 Proposal Submission Instructions and Requirements

2.1 General Instructions and Submittal Deadline

Proposers shall provide three (3) hard copies (one of which must be original) and one electronic PDF copy of the Proposal to:

Blair Larsen
Community & Economic Development Director
3225 Main Street
Sweet Home, Oregon 97386
blarsen@sweethomeor.gov

Proposals are due on **February 3, 2023 by 4 p.m. local time**. The package shall be clearly labeled "Sweet Home Park System Master Plan Proposal."

The City of Sweet Home assumes no responsibility for delayed or undelivered mail or express packages. Proposals which are not delivered by the above specified time and date will not be considered. Faxed or electronically transmitted proposals will be rejected as non-responsive.

2.2 Format for Proposals

Please submit written proposals in compliance with the following organization:

1. Introductory Letter
2. Staffing Plan
3. Consultant Qualifications.
4. Project Understanding and Approach
5. References
6. Pricing

Narrative pages are to be on 8 1/2 x 11 paper and all materials shall be bound into one volume. A clear and concise presentation of information is encouraged.

Consultants are required to organize the information requested in this RFP in accordance with the format outlined. Failure of the consultant to organize the information required by this RFP as outlined may result in the City, at its sole discretion, disqualifying the consultant from further consideration.

2.2.1 Introductory Letter

The letter will name the person(s) authorized to represent the consultant in any negotiations and name of the person(s) authorized to sign any contract which may result. The letter will identify insurance coverage carried by the consultant. The letter will be signed by an authorized representative of the consultant.

2.2.2 Proposal Contents

Minimum Qualifications: Proposers must meet the following minimum qualifications to be evaluated.

- At least three public sector projects of similar scope or objectives.
- Good legal standing.
- Ability to provide the work needed by the City to the standards required by the City.
- Demonstrate the ability to furnish insurance coverage as specified in Section 7 of the attached contract form.

Desired Qualifications: Proposers shall demonstrate their ability to undertake the City's Park System Master Plan by providing the technical qualifications of the Proposer, individual team members and subconsultants, if applicable. The City reserves the right to conduct an independent investigation of the Proposer's technical qualifications by contacting references, accessing public information, or contacting independent parties. Additional information may be requested during the evaluations of technical qualifications. The Proposer shall provide the following sections to demonstrate its technical qualifications:

Corporate Profile & Legal Qualifications

- Include the full name, tax identification number, main office address and telephone and facsimile numbers of the Proposer and the principal contact person. This shall include a description of the firm or organization (corporation, partnership, etc.) that will serve as the contracting party.
- The name of the person(s) authorized to represent the proposer in negotiating and signing any agreement which may result from the proposal.
- Name of the individual who will serve as the project lead.
- Identify proposed subconsultants, if applicable.
- Demonstrate good legal standing in Oregon (no bankruptcy in the last 10 years, no fraud, no illegal activities).
- If applicable, identify ownership status and/or employment practices regarding disadvantaged business enterprises, minority-owned businesses, woman-owned businesses, businesses that service-disabled veterans own, emerging small businesses or historically underutilized businesses.

Technical Experience & Qualifications

- A current résumé for the individual who will serve as the project lead, including a description of qualifications, skills, and responsibilities.
- The names of professional persons who will assist the project lead in performing the work and a current résumé for each, including a description of qualifications, skills, responsibilities, professional registrations and certifications, and office location.
- Availability of support staff.
- Organizational chart identifying members of the team, including subconsultants, who would be assigned to this project. The chart should clearly delineate roles and responsibilities of the various team members.
- A list of the tasks, responsibilities, and qualifications of any subconsultants proposed to be used and proof of adequate professional liability insurance for any subconsultants.
- Description of Proposer's project management techniques.
- Description of similar previous work demonstrating quality of work, ability to meet schedules, cost control and contract administration.
- A list of at least three references from government clients of similar size for whom similar services have recently been provided, if available. (For all references, please include names, phone numbers, and description of work performed.)
- Written affirmation that the firm has a policy of nondiscrimination in employment because of race, age, color, sex, religion, national origin, mental or physical handicap, political affiliation, marital status or other protected class, and has a drug-free workplace policy.
- An explanation of any potential or actual conflicts of interest within the jurisdictional boundaries of the City. Conflict of interest is defined for purposes of this RFP and any resulting contract as proposer's provision of professional engineering services to any private property owner or developer within the City's jurisdictional boundaries.

3 Review and Evaluation

Submissions received in response to the RFP will be evaluated for compliance with the minimum required qualifications identified below. Proposals meeting these requirements will be forwarded to an evaluation committee that will independently score each proposal according to the scoring criteria listed below.

3.1 Minimum Required Qualifications

Failure to comply with one or more of the following criteria will result in rejection of the proposal:

1. A duly authorized representative empowered to bind the consultant must sign the proposal.
2. Documentation of the Proposer's ability to provide the required insurances specified in Section 7 of the attached contract form.

3.2 Scoring Criteria

All responsive proposals from qualified consultants that meet the minimum required qualifications will be evaluated on the following criteria:

Staffing Plan. Provide a firm overview and qualifications for providing the Services. List key team members who will be assigned to this project, their roles and responsibilities, and their qualifications and experience.	30%
Firm Qualifications. Demonstrate ability to provide responsive services to assist City throughout the Project, based on the amount and type of staff resources available to perform the Services. This may include resources available for the duration of the Project, examples of similar projects that the firm has completed, the firm's experience with local governments and public input processes, internal procedures or policies associated or related to work quality and cost control, management and organization capabilities, etc.	30%
Project Understanding and Approach. Demonstrate a clear and concise understanding of the Services, including, without limitation, a basic or preliminary understanding of the Project, and the methodology and course of action used to meet the goals and objectives of the Project. The basic issue is whether the firm has a clear and concise understanding of the Project (based on existing information), the major issues to address, and whether a project approach has been formulated. Elements to be considered include, without limitation, the following: <ul style="list-style-type: none">• The firm's basic understanding of the Project as demonstrated within the firm's proposal;• Provision of a clear and concise explanation of Services;• Demonstrate general knowledge of state and federally funded parks and recreation projects; and• Identify unique design issues and recommend timely, effective, and efficient approaches to resolve these issues.	30%
References. Provide references and recommendations from at least three current or former clients. References should establish the firm's or consultant's demonstrated ability to successfully and reliably complete similar projects.	10%

The City may reject any proposal found to be incomplete, unresponsive, or not in compliance with the format requirements set forth in this RFP. A proposal may be determined to be

unresponsive if any aspect is found to be unacceptable or contrary to the best interests of the City. The City reserves the right to reject any and all responses to the RFP and is under no obligation to award a contract.

The City intends to select the best scoring proposal and to negotiate an agreement and price with that consultant. However, should the negotiations fail to result in an executed agreement with the best qualified consultant, the City may elect to terminate negotiations and begin negotiations with the second-best scoring proposal or cancel the procurement process.

The responsibility for the final selection and negotiation rests solely with the City.

3.3 Selection

Each member of the evaluation committee shall complete an evaluation sheet ranking each qualified proposer against the weighted criteria set forth in this RFP. Completed evaluations shall be combined and tallied. The City reserves the right to interview one or more of the highest ranked candidates. Upon completion of its evaluation process, results of the evaluation will be posted to the RFP listing on the City website and will be emailed to the primary contact identified in each proposal, and the City will begin negotiating a contract with the highest ranking candidate. The City shall direct negotiations toward obtaining written agreement on the consultant's performance obligations, a payment methodology that is fair and reasonable to the City, and any other provisions the City believes to be in the City's best interest to negotiate.

If the City and the selected candidate are unable for any reason to negotiate a contract at a compensation level that is reasonable and fair to the City, the City shall, either orally or in writing, formally terminate negotiations with the selected candidate. The City may then negotiate with the next most qualified candidate. This process may continue in this manner through successive candidates until an agreement is reached or the City terminates this RFP.

Upon reaching agreement, the notice of intent to award will be posted and the contract will be presented to City Council for approval. If City Council approves the award of the contract as presented, then the agreement will be executed.

It is the desire of the City to have a contract in place no later than March 15, 2023.

4 Contract

The City desires to enter into a professional services agreement in the form attached, which includes all services necessary, whether or not the services are specifically outlined in this RFP.

The selected proposer will be expected to sign the attached written agreement, which will incorporate this RFP and awardee's proposal. Any open terms in the attached contract will be completed, based upon awardee's proposal. Negotiations shall be limited to cost and any other terms the City chooses to negotiate, at City's sole discretion.

The City anticipates payment for services in a lump sum, not-to-exceed amount. However, the City will also consider alternative proposals. The City reserves the right to negotiate a compensation package that is fair and reasonable to the City, as determined solely by City.

Any contract requires that awardee will comply with all applicable federal and state laws, rules and regulations.

The City of Sweet Home is an Equal Opportunity/Affirmative Action Employer.
Women, Minorities and Disabled Persons are encouraged to apply.

This RFP is issued in accordance with the provisions of the laws including statutes, ordinances, resolutions, and rules, of the State of Oregon and the City of Sweet Home. Authorized & approved for posting by the City Council and the City Manager. Staff can amend the RFP and contract form to meet the best interests of the City with the approval of the City Manager.

THIS SOLICITATION IS NOT AN IMPLIED CONTRACT AND MAY BE MODIFIED OR REVOKED WITHOUT NOTICE.

City of Sweet Home Park System Master Plan Project Approach Revisions

This section details the proposed work program that the Cameron McCarthy Project Team will perform to complete the Park System Master Plan update according to the City's requested services. The planning and design products generated from these services will be driven by the principle of putting the community first.

Parks, recreation facilities, and other natural areas are key services that enhance a community's quality of life. The purpose of a Parks Master Plan is to provide a guiding vision for the parks system and planning efforts by integrating community input with best practices in public recreation planning. The Parks System Master Plan provides goals, policies, recommendations, and implementation measures to shape the development of the park system over the next 20 years.

We recognize that the Park System Master Plan belongs to the community of Sweet Home. Reflecting the unique characteristics and desires of the community as well as the financial realities of operating and maintaining a parks system is essential. The Project Team will provide objective technical information and document input and findings that inform the park system planning process. City officials and representatives can then make informed decisions about the future of Sweet Home's parks, trails, and open spaces based on the documented information and findings.

Cameron McCarthy will produce the new Sweet Home Park System Master Plan through the development of work products under eight key tasks: (Task 1) Project Initiation; (Task 2) Project Management; (Task 3) Community Outreach and Involvement; (Task 4) Existing Conditions Analysis; (Task 5) Needs Assessment; (Task 6) Goals, Policies, and Recommendations; (Task 7) Capital Improvement Plan; (Task 8) Documentation and Adoption and (Task 9) Park District Feasibility.

The Plan will identify priorities and recommendations, including possible facility acquisitions, development and improvements, possible park system expansion and/or improvements to the existing park system, funding priorities and recommendations, and review existing and potential partnership opportunities. Additionally, it will review System Development Charge rates and the list of park-related Capital Improvement Projects. The feasibility of a Sweet Home Park and Recreation District may also be examined and is listed as an additive service. The following project approach details the steps through which these tasks will be accomplished.

TASK 1. PROJECT INITIATION

Conduct project initiation meeting with City of Sweet Home staff to finalize project scope and schedule, work program, roles, and a communications plan. Discussions at this meeting will refine our understanding of the project, further define expectations, and ensure that our work will reflect the needs of the City and its constituents. This meeting will also allow the Project Team to identify key stakeholders and community groups, prior planning documentation, and data collection needs. Following the meeting, the Team will participate in site visits with City staff to observe existing parks and recreation facilities, infrastructure, opportunities and constraints, and spatial contexts. The Project Team will also set dates for future meetings, prepare a communications plan, refine the public outreach strategy, and provide a memorandum summarizing the meeting discussion.

DELIVERABLES:

Project Initiation Meeting Notes
Internal Communications Plan
Public Outreach Strategy

MEETINGS:

Project Initiation Meeting and Site Visit

TASK 2. PROJECT MANAGEMENT

Conduct regular progress meetings with City staff throughout the planning process to review deliverables, prepare for public meetings, and report on progress. Frequency of meetings is to be determined by both City staff and the Project Team during project initiation. The Project Team will prepare and transmit a meeting agenda and task/action list prior to each meeting, and review project schedule at each meeting. These meetings will also ensure that the Project Team has all necessary and available information to complete this scope of work. In addition to progress meetings, conduct two (2) meetings with City Parks and Tree Committee and one (1) work session with the City Council at key decision points during the project.

DELIVERABLES:

Task/Action Matrix
Meeting Agendas, Materials, and Notes

MEETINGS:

Regular Progress Meetings with City staff
(2) City Parks and Tree Committee Meetings
(1) City Council Work Sessions

TASK 3. COMMUNITY OUTREACH

As a part of the project initiation meeting, the Project Team will meet with City staff to discuss and finalize the outreach activities outlined in the following sub-tasks.

TASK 3.1. ONLINE SURVEY: Develop a statistically valid survey aimed at understanding the community's desires for improvements and additions to the park system. The survey will be made available online. The Project Team will also share the survey with local community leaders and groups. The survey can be translated and available in Spanish language.

TASK 3.2. STAKEHOLDER INTERVIEWS: Work with the City to identify 5 key community members who represent a variety of demographic groups, including any historically underserved populations, and/or have a particular interest in or knowledge of the parks and recreation system. The Project Team will conduct phone interviews (or a format that best fits the stakeholder's needs) with these individuals to understand areas of particular need and/or desire for future development of the parks system and recreation offerings.

TASK 3.3 COMMUNITY POP-UP EVENTS: The Project Team will utilize information from stakeholders and the City to identify two locations in Sweet Home to host a pop-up event. The events may take place on the same day, but in different locations. The Team will prioritize locations where they can connect with community voices that are historically under-represented in public project engagement processes. The Team will prepare engagement visuals and questions to ask the public. Residents will have an opportunity to share their ideas and feedback on the Plan's progress and direction. The Team will provide a summary of these events and the feedback they collected.

TASK 3.4 PUBLIC COMMENT AT PARK AND TREE COMMITTEE MEETINGS: The Team and the City will invite the public to attend the City Park and Tree Committee Meetings #1 and #2. This supports a transparent process by allowing the Team to share project updates and deliverables with residents and the Committee. A period of time will be reserved at an appropriate time during City Park and Tree Committee Meetings #1 and #2 for the public to provide comments and ask questions about the Plan, project process and materials. The Team will prepare summaries of the public's questions and comments at these meetings.

DELIVERABLES:

Online Survey
Stakeholder Interview Memorandum
Community Pop-Up Events Summary
Public Comment at Park and Tree Committee Meetings Summaries

MEETINGS:

Stakeholder Interviews (5)
Public Open House (1)

TASK 4. EXISTING CONDITIONS ANALYSIS

Gather and review relevant background information, planning documents, and community demographics identified by the City, including but not limited to the Park System Master Plan (2014), the Comprehensive Plan (2010), and the Transportation System Plan (2005). Identify how the goals from these plans relate to one another, especially in regards to parks, recreation facilities, and other outdoor recreation opportunities. Review and interpret demographic trends and population characteristics of the City of Sweet Home.

The Team will support the City's preparation of an inventory of existing parks, trails, open space, facilities, connector points, and nearby recreation resources by providing a template document. The Team will tour the park facilities with City staff, and site visits can occur on the day of the project initiation meeting. The City-developed inventory will utilize base maps and will include the park type and purpose, park location, acreage, inventory of facilities and amenities, current photographs, additional images as appropriate, and an evaluation of the physical conditions and functionality of those facilities. The capacity of each amenity found within the park system as well as its functionality, accessibility, condition, comfort, convenience, and capacity for year-round use will be included in the inventory. Conduct first meeting with the City Park and Tree Committee.

DELIVERABLES:

Community Profile/Demographics and Trends Memorandum
Existing Park System Map

MEETINGS:

City Park and Tree Committee Meeting #1

TASK 5. NEEDS ASSESSMENT

Prepare a needs assessment that considers the latent and potential demand for services by examining the needs in existing parks and the needs for additional park land, park development and enhancement, and recreational facilities and programming. Draw from resources such as the inventory and conditions report; projections of population growth; demographic characteristics; recreation participation trends; National Level of Service (LOS) standards; geographic distribution within the City; identified unmet needs of residents; and identification of areas of future needs and facilities; and existing undeveloped sites. Include a condition report for each existing park and their facilities. Include an assessment of alternative public and private park and recreation service providers to provide understanding of market opportunities, and recommendations for improvements, including acquiring new park properties, developing currently undeveloped properties, improving existing parks and their access, guidelines and recommendations for conservation of natural resources and future staffing levels, and potential local partnership opportunities to meet community needs.

DELIVERABLES:

Needs Assessment Report

TASK 6. GOALS, POLICIES, AND RECOMMENDATIONS

After analysing previously gathered data, public opinion surveys, and the core values expressed by the Sweet Home community involved throughout the community outreach process, work with City staff to update goals, policies, and recommendations to address identified community needs and values. Conduct second meeting with the City Park and Tree Committee.

DELIVERABLES:

Goals, Policies, and Recommendations Memorandum

MEETINGS:

City Park and Tree Committee Meeting #2

TASK 7. CAPITAL IMPROVEMENT PLAN

Based on the expressed values of the community, develop prioritized recommendations for improvements through renovation and maintenance of parks and outdoor facilities, development of additional recreational amenities and facilities, and land acquisition. Develop estimates of the capital and operational costs associated with these improvements. Review the Parks Capital Project List and provide recommended changes or additions. Review Park System Development Charge (SDC) rate. Meet with City staff to review priority recommendations, cost estimates, the updated CIP list, and System Development Charges (SDC) rate recommendations.

DELIVERABLES:

Capital Improvement Plan (CIP)

MEETINGS:

City Council Work Session #1

TASK 8. DOCUMENTATION AND ADOPTION

Based on the previous tasks and input received, provide Draft Park System Master Plan for review by City staff, local partners, and stakeholders. At a minimum, the Draft Park System Master Plan will include:

- Introduction and Executive Summary
- Updated park system vision, goals, and objectives
- Inventory of current park conditions
- Summary of community outreach process and findings
- Needs Assessment
- Prioritized existing and proposed facility recommendations accompanied with rationale
- Accompanying implementation tools including costs of prioritized recommendations

Meet with City staff to review the Draft Plan. Present the Draft Park System Master Plan to City Council and the Planning Commission for review. Revise the Draft Master Plan and amendments and prepare Final Master Plan for formal adoption as a reader-friendly document with an emphasis on maps, charts, photos, graphics, and tables to convey information. The Plan will be formatted in such a way that it is easy to update on a routine basis. Present Final Park System Master Plan to Planning Commission and City Council for adoption.

DELIVERABLES:

Draft Parks Master Plan
Final Parks Master Plan

MEETINGS:

Planning Commission and City Council Public Hearing
Planning Commission and City Council Adoption

TASK 9. PARK DISTRICT FEASIBILITY

The Project Team will conduct research on the feasibility of establishment of a Sweet Home Parks & Recreation District based on parameters provided by the City including type and quantity of facilities to be developed, operated, and maintained. Research to include discussion of opportunities and constraints of special district organization, precedents for similar sized and geographically comparable districts, and overview of funding considerations. The feasibility study will include recommendations and actions.

DELIVERABLES:

Parks District Feasibility Recommendations

Project Budget Revisions

PHASE / TASK		CAMERON MCCARTHY				Subtotal Hours	Total Hours	Task Total	Total				
		Principal	Project Manager / Landscape Architect	Planner	Designer 2								
PHASE TASK													
Basic Services													
1	Project Initiation	9	13	10	10	42		\$ 5,890					
2	Project Management	8	14	0	0	22		\$ 3,400					
3	Community Outreach	4	11	7	21	43		\$ 5,585					
4	Existing Conditions Analysis	8	13	2	13	36		\$ 5,015					
5	Needs Assessment	2	4	2	8	16		\$ 2,100					
6	Goals, Policies, and Recommendations	6	8	2	8	24		\$ 3,380					
7	Capital Improvement Plan	8	9	0	5	22		\$ 3,275					
8	Documentation and Adoption	13	26	25	45	109		\$ 14,405					
9	Parks District Feasibility Recommendations	6	8	4	12	30		\$ 4,100					
		SUBTOTAL	64	106	52	122	344		\$ 47,150				
		TOTAL HOURS	64	106	52	122	344						
		HOURLY RATE	\$180.00	\$140.00	\$130.00	\$115.00							
		TOTAL FEES	\$11,520	\$14,840	\$6,760	\$14,030			\$ 47,150				
EXPENSES													
Displays, Prints, Reproductions, Outreach Compensation, and Materials								\$ 2,850					
		Subtotal							\$ 2,850				
TOTAL PROJECT FEE									\$ 50,000				

CAMERON McCARTHY

CITY OF SWEET HOME

Sweet Home Park System Master Plan Proposal

February 3, 2023

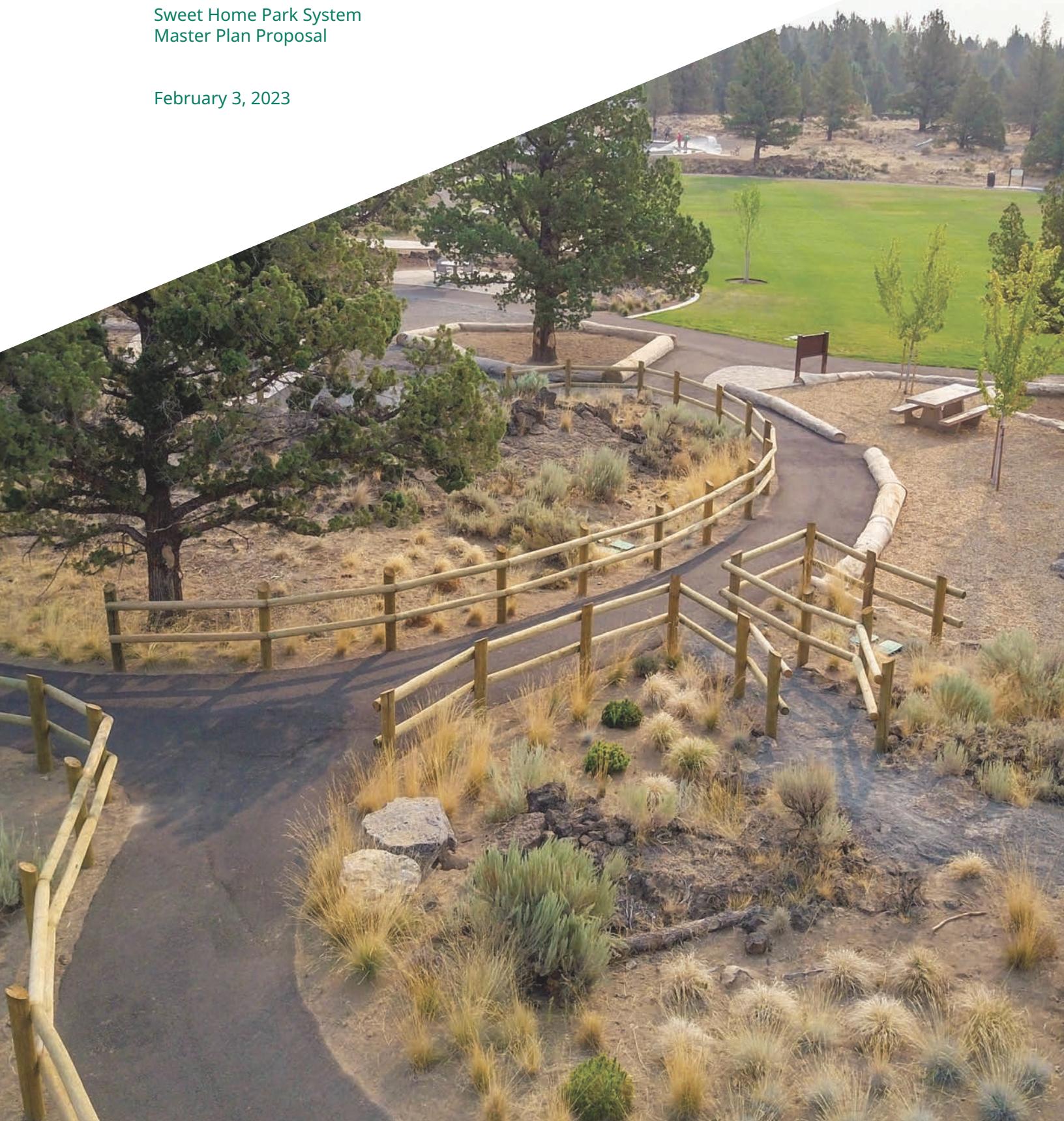


Image on cover:
Rockridge Park, Bend, Oregon



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1. Introductory Letter.

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Blair Larsen
Community & Economic Development Director
City of Sweet Home
3225 Main Street
Sweet Home, OR 97386

**Re: City of Sweet Home
Parks System Master Plan Comprehensive Update**

Dear Blair and members of the Selection Committee:

Cameron McCarthy submits this proposal to the City of Sweet Home for planning services to update the City's Parks System Master Plan. We look forward to applying our experience with parks, recreation, and open space system planning to Sweet Home in order to shape vital elements of community livability. In our practice, this means transforming visions into reality through collaboration and meaningful planning and design to create outdoor spaces that connect, revive, and inspire. A relevant example is our recent work on the Lewis Creek Park Master Plan for Linn County.

This proposal provides insight into our firm and highlights the projects we have completed during our 70 years of experience. Our firm collectively offers to the City of Sweet Home:

- Knowledge of the technical aspects of system planning required to achieve results with lasting value;
- Commitment to planning excellence and sustainable outcomes, while responding to context and changing dynamics;
- Demonstration of our understanding of the project and how we will approach delivering a beneficial long-term outcome;
- Prior experience working for communities in Linn County (Harrisburg, Lebanon, Lewis Creek Park, etc.);
- Enthusiasm for working directly with local communities and residents.

Working with 20+ public agency clients, our firm has completed over 100 park and recreation projects throughout Oregon during our tenure, including five parks and recreation system plans in the 5 years. The representative projects and references included in our proposal demonstrate our team's ability to manage the aspects of work required for the completion of a successful project. Most importantly, these projects demonstrate our ability and interest in collaboration.

In my capacity as an authorized agent of Cameron McCarthy Landscape Architecture & Planning, I am authorized by the firm to submit this response and will serve as your primary point of contact. Please feel free to contact me (E: cmcarthur@cameronmccarthy.com | T: 541.485.7385) if you have any questions about the information enclosed herein. Regarding the proposal content requirements in Section 2.2.2, I affirm that:

- The firm has never had a bankruptcy in 70+ years of operation and has not been accused or convicted of fraud or illegal activities.
- The firm has a policy of nondiscrimination in employment because of race, age, color, sex, religion, national origin, mental or physical handicap, political affiliation, marital status or other protected class, and has a drug-free workplace policy, which is included in our office policy manual.
- The firm has no potential or actual conflicts of interest within the jurisdictional boundaries of the City.
- Cameron McCarthy holds and is in current status on liability insurance. The policy through WAFD Insurance Group is adequate in covering general liability.

Thank you for your time and consideration.



Colin McArthur
Principal Planner, AICP

CAMERON McCARTHY



160 East Broadway
Eugene, Oregon 97401
www.cameronmccarthy.com



Eugene Town Square 'Block Party'

Public Involvement Event

City of Eugene



Section Divider Back

2. Staffing Plan.



Eugene Town Square 'Block Party'
Public Involvement Event
City of Eugene

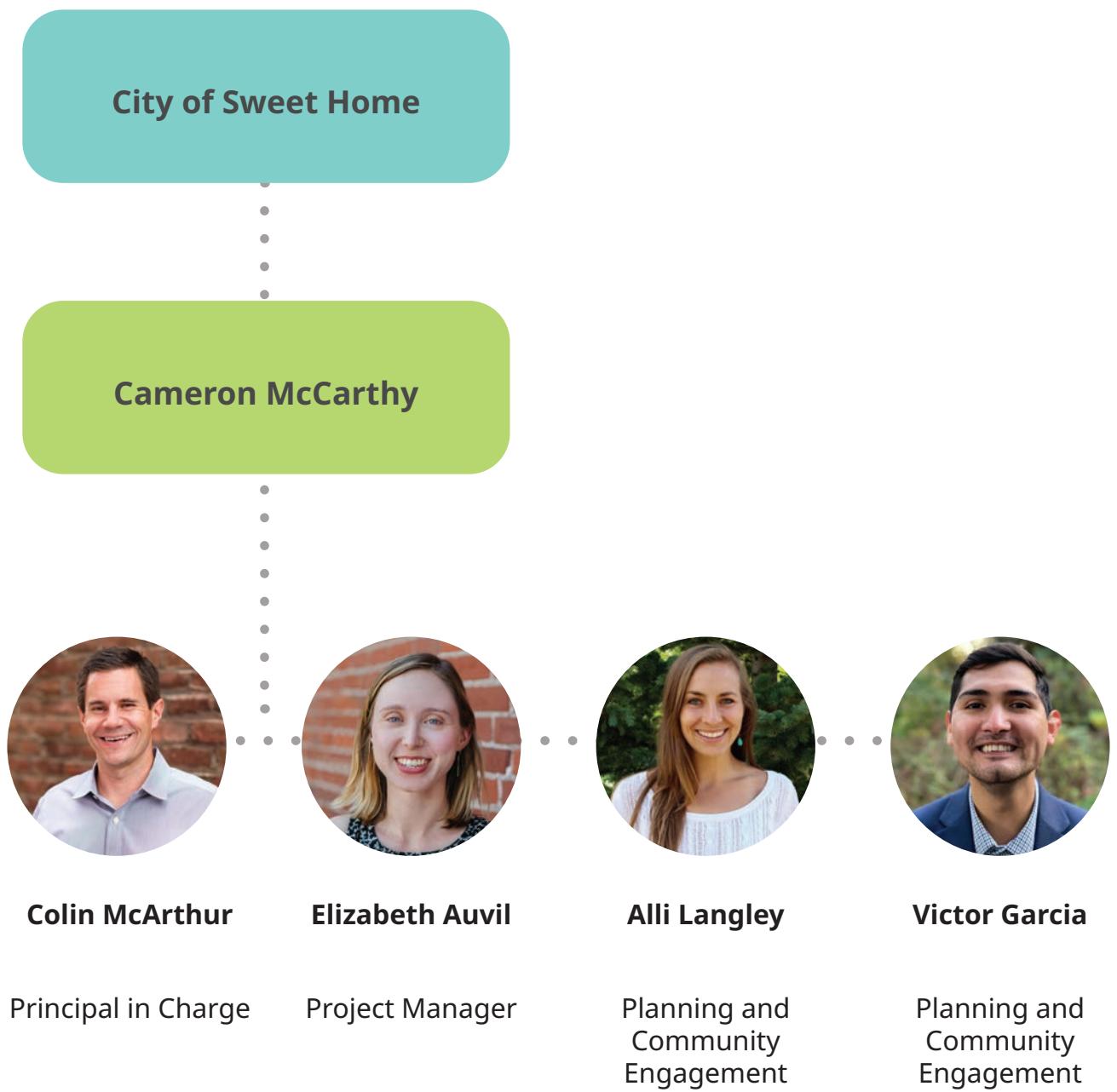
Firm Overview

During our 70+ year history, Cameron McCarthy has completed over 100 park and recreation projects throughout Oregon, including the completion of five parks and recreation system plans in the past five years (Harrisburg, White Salmon (WA), Hermiston, Drain, Veneta) and one currently in development (Sisters). We have extensive recent experience working in Linn County through the completion of the Lewis Creek Park Master Plan for Linn County Parks and Recreation and a comprehensive update of the Parks System Plan for the City of Harrisburg, as well as other planning and design projects in Lebanon and Albany.

Parks, recreation facilities, open spaces, and other natural areas are key services that enhance a community's quality of life. This update of the Parks System Master Plan demonstrates the City of Sweet Home's commitment to providing high quality public services to residents and visitors, ensuring immediate and long-term success of the park system. We recognize that the Parks System Master Plan reflects community needs and is a response to current and anticipated demand for services. The proposed planning process is defined by a community outreach and involvement strategy that is founded on the principles of diversity, equity, and inclusion and uses various methods to ensure all voices have opportunity to contribute to assesses residents' needs, prioritize projects, and support decision-making.

The next few pages provide a closer look at our team's experience and capabilities.

Team Organizational Chart



CAMERON McCARTHY

The 4-person team we have assembled for the Sweet Home Park System Master Plan Update project is comprised of the following:



Colin McArthur

Principal in Charge

Colin has been with the firm since 2005 and partner since 2012. He brings over 15 years of planning experience to the team. He offers a wealth of knowledge in community planning, a finesse in working with the public, and a deep drive to provide practical and thoughtful solutions. He will provide planning leadership and direct staff throughout the project.



Elizabeth Auvil

Project Manager

Elizabeth has been with the firm since 2017 and brings almost a decade of experience to the team. Her portfolio spans a diversity of project types with a focus on planning parks and public spaces. Elizabeth's training and years of experience in project management provide the team with clear and organized leadership. She will serve as the project manager for the project.



Alli Langley

Planning and Community Engagement

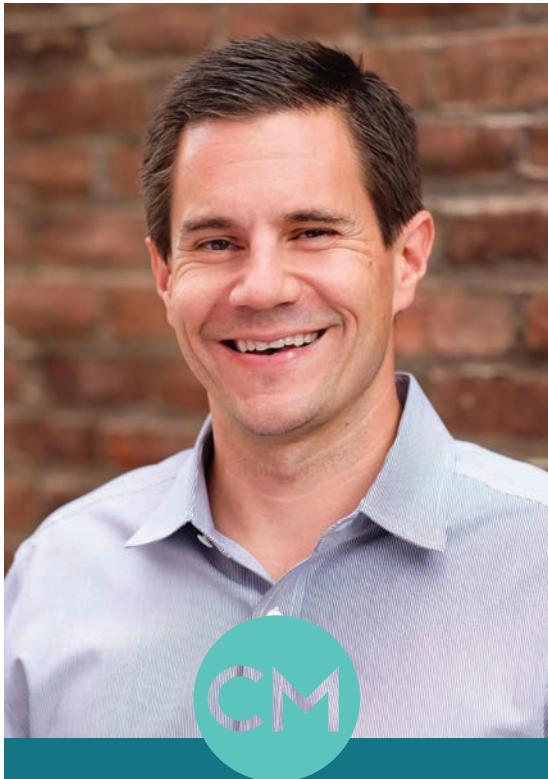
Alli joined Cameron McCarthy in 2022. For the duration of this project Alli will provide planning and community outreach guidance and support. In addition to her planning expertise, Alli brings a strong attention to detail and foresight to identify and respond to client and community needs throughout a project.



Victor Garcia

Planning and Community Engagement

Victor has been with the firm since 2020. Victor will provide planning and community outreach support throughout the entire project. Victor contributes a generous amount of perspective and lived experience to community planning and design. Victor has a deep understanding of design that is truly accessible and inclusive.



CAMERON
McCARTHY

Colin McArthur

He/His

Principal Planner, AICP | Project Lead

CMCARTHUR@CAMERONMCCARTHY.COM

30% Availability

PROFILE

Colin started his career with Cameron McCarthy in 2005, earned his planning certification in 2007, and became a partner in 2010. He currently enjoys a unique dual role with CM as the director for the firm's planning practice and as a project manager and lead designer on park and recreation projects.

EDUCATION

2006
Master of Community and Regional
Planning
University of Oregon

2005
Certificate in Sustainable Development &
Energy Planning
University of Oslo

2001
Bachelor of Landscape Architecture
University of Oregon

Colin directs Cameron McCarthy's planning practice and has more than 15 years of experience working in Oregon communities. He specializes in supporting public agencies with comprehensive planning; parks, natural resource, and infrastructure planning; implementation; and development. An area of emphasis is parks and recreation, where Colin has developed comprehensive system plans and park concept plans for cities including Eugene, Hermiston, The Dalles, Lebanon, Monmouth, Veneta, Sisters; and, counties including Linn County, Sherman County, Jackson County, and Douglas County. Colin's park and recreation district clients include Northern Wasco County Park and Recreation District, Willamalane Park and Recreation District, and Bend Park and Recreation District.

- Sisters Parks Master Plan, Sisters, OR
- Harrisburg Parks System Plan, Harrisburg, OR
- White Salmon Parks System Plan, White Salmon, WA
- Hermiston PROS Master Plan, Hermiston, OR
- NWCPRD PROS Master Plan, The Dalles, OR
- Veneta PROS Master Plan, Veneta, OR
- Drain Parks and Open Space Master Plan, Drain, OR
- BPRD Comprehensive System Plan, Bend, OR
- Thompson Park Master Plan & Mill Creek Trail, NWCPRD, The Dalles, OR
- Rockridge Park, BPRD, Bend, OR
- Hillside Park, BPRD, Bend, OR
- Bob Keefer Center & Les Schwab Sports Park, WPRD, Springfield, OR



CAMERON
McCARTHY

Elizabeth Auvil

She/Her

Landscape Architect, ASLA, RLA

EAUVIL@CAMERONMCCARTHY.COM

40% Availability

PROFILE

Elizabeth joined Cameron McCarthy's Portland office in 2017. She brings a strong foundation of experience in the realm of transit-oriented planning and design. She has developed a well-rounded set of skills in planning, public engagement and landscape architecture.

EDUCATION

2013
Bachelor of Landscape Architecture
University of Oregon

2016
NCI Charrette System Certificate
PSMJ Project Management Certificate

REGISTRATIONS/AFFILIATIONS

Landscape Architect, Oregon #1082
American Society of Landscape Architects

Elizabeth is a critical thinker and attentive listener which enables her to develop creative recommendations while adhering to project goals. She has experience working on national and international projects and she brings excellent coordination and a context-sensitive approach to her projects. She supports projects with strategies and implementation tactics that support effective project management. Elizabeth develops thorough public engagement strategies unique to the needs of each project, and she excels at synthesizing public engagement feedback.

- White Salmon Park System Plan, White Salmon, WA
- Bailey Ridge Park Master Plan, Salem, OR
- Sorosis Park Conceptual Plan, The Dalles, OR
- Hermiston Parks, Rec and Open Space Master Plan, Hermiston, OR
- Veneta Parks, Rec and Open Space Master Plan, Veneta, OR
- Drain Parks Master Plan, Drain, OR
- Mill Creek Trail, The Dalles, OR
- Federal Street Plaza, The Dalles, OR
- NWCPRD Parks Master Plan, Wasco County, OR
- NWCPRD Thompson Park, The Dalles, OR
- Ackerman Sports Complex Master Plan, Canby, OR
- Tigard Street Heritage Trail, Tigard, OR*
- Oregon State Parks Columbia Gorge Management Units Plan*

*Work completed at former employer.



CAMERON
McCARTHY

Alli Langley

She/Her

Assistant Planner

ALANGLEY@CAMERONMCCARTHY.COM

30% Availability

PROFILE

Alli joined Cameron McCarthy in 2022 with a background in planning, public policy facilitation, and journalism. As an assistant planner and lead community engagement specialist, she contributes technical writing, research, data and land use analysis, GIS mapping, graphic design, project management, and public involvement design and facilitation.

EDUCATION

2022

Master of Community and Regional Planning
University of Oregon

2013

Bachelor of Science in Journalism
University of Florida

REGISTRATIONS

American Planning Association

Alli is a systems thinker and facilitator who enjoys helping public agencies, nonprofits, and community groups leverage collaboration to move from "what is" to "what could be." She brings experience working on civic engagement and policy projects across geographic scales on issues including public land use, outdoor recreation, environment and natural resources, public health, and community development. While earning her master's in community and regional planning, she worked with clients in Oregon communities to analyze park system revenue sources, identify climate vulnerabilities, map social service gaps, and develop downtown revitalization resources. She has since gained experience in comprehensive park system planning and development. Alli is passionate about the transformative power of public participation. Across her projects, she focuses on applying more effective engagement and communication strategies to foster inclusive decision-making rooted in unique community needs.

- Sisters Parks Master Plan, Sisters, OR
- Golden Gardens Park Concept Plan, Eugene, OR



CAMERON
McCARTHY

Victor Garcia

He/His

Designer, ASLA

VGARCIA@CAMERONMCCARTHY.COM

60% Availability

PROFILE

Victor joined Cameron McCarthy in 2020 after graduating from UO with a master's degree in Landscape Architecture. During his time in graduate school, he participated in the Overlook Field School Program and explored maintenance and the transition of space over time. Victor's master thesis studied spatial justice as it relates to public recreational spaces in Salem, Oregon. Victor's community has had a profound impact on who he is today and his values in equity and inclusion.

EDUCATION

2020
Master of Landscape Architecture
University of Oregon

2017
Bachelor of Environmental Science
Willamette University

Victor has been involved in the field of landscape architecture from an early age. As a first-generation Mexican American from Salem, Oregon, he learned about the complexities of landscape maintenance, design, and installation while working for his family's landscape business. He is passionate in exploring the intersectionality between public space and social equity. As a landscape designer, Victor aspires to use his experience working with landscapes and people to contribute to the Cameron McCarthy team in thoughtfully creating spaces that speak to issues of spatial equity, sustainability, and inclusivity. Victor will be a critical part of the team as planning and community outreach support.

- Sisters Parks System Plan, Sisters, OR**
- Golden Gardens Park Master Plan, Eugene, OR **
- Lewis Creek Park Master Plan, Sweet Home, OR
- White Salmon Parks System Plan, White Salmon, WA
- Bailey Ridge Park, Salem, OR
- Harrisburg Parks System Plan, Harrisburg, OR
- Lane Community College Site + Landscape Framework Master Plan
- Sorosis Park Master Plan, NWCPRD
- South Salem High School Track & Field, Salem-Keizer School District
- Lakeridge Middle School Track & Field, Lake Oswego School District
- Willamette University Baseball-Softball Fields, Salem, OR**

** Current project



Lewis Creek Park Master Plan
Linn County Parks

Section Divider Back

3. Consultant Qualifications.



Lewis Creek Park Master Plan
Linn County Parks

Corporate Profile & Legal Qualifications

COMPANY NAME: CAMERON MCCARTHY LANDSCAPE ARCHITECTURE AND PLANNING

TAX IDENTIFICATION NUMBER: 93-0938214

MAIN OFFICE ADDRESS: 160 E BROADWAY EUGENE, OR 97401

MAIN TELEPHONE: 541-485-7385

PRINCIPAL CONTACT TELEPHONE, COLIN MCARTHUR: 458-234-6354

FIRM STRUCTURE: PARTNERSHIP

AUTHORIZED CONTACT FOR NEGOTIATIONS AND AGREEMENTS: COLIN MCARTHUR, AICP

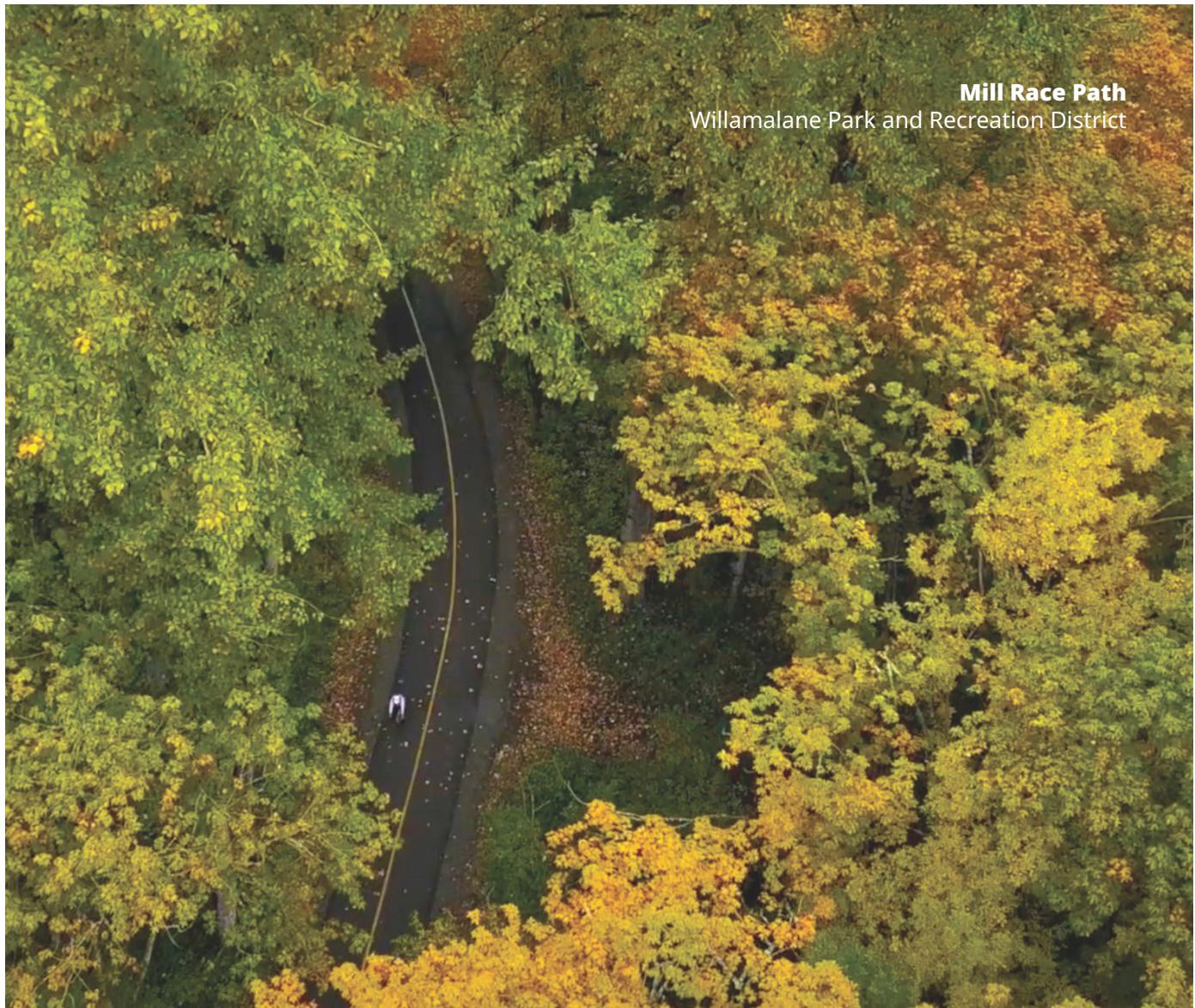
PROJECT LEAD: COLIN MCARTHUR, AICP

COMPANY PROFILE: Cameron McCarthy (CM) with offices in Eugene, Portland, and Bend has been providing the region with comprehensive planning and landscape architecture services since 1952. Over the years, the firm has developed a rich portfolio of parks master plans, park design, and construction projects. CM is a 26-member firm which works in concert with other design, planning, and public involvement professionals to help people develop, preserve, and improve relationships with their surroundings. Three of our members are LEED accredited professionals, 12 of our members are ASLA licensed landscape architects, one is an AICP certified planner, and two are certified arborists. CM's team of professionals offers a diverse set of skillsets, backed by the experience of a deep portfolio. The firm has never had a bankruptcy in 70+ years of operation and has not been accused or convicted of fraud or illegal activities.



Technical Experience and Qualifications

Cameron McCarthy is equipped to handle all of the necessary services that will deliver on the scope of work outlined in our proposal. The project team is a balanced blend of planning leadership, public engagement expertise, and landscape architecture. The project team will work as a collective group alongside the City of Sweet Home to achieve the goals outlined in the RFP, and further defined during the project initiation phase.



PROOF OF LIABILITY INSURANCE

Cameron McCarthy holds and is in current status on liability insurance. The policy through WAFD Insurance Group is adequate in covering general liability.



CERTIFICATE OF LIABILITY INSURANCE

CAMEMCC-01

JHAAS

DATE (MM/DD/YYYY)
12/21/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERNS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Jessica Haas PHONE (A/C, No, Ext): (541) 687-1911 E-MAIL ADDRESS: jessicah@wafdinsurance.com	FAX (A/C, No): (541) 689-6534
WAFD Insurance Group, Inc. PO Box 40880 101 East Broadway Suite 100 Eugene, OR 97404	INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED	INSURER A: American Fire and Casualty Company	24066
CAMERON MCCARTHY LANDSCAPE ARCHITECTURE & PLANNING, LLP 160 E BROADWAY EUGENE, OR 97401	INSURER B: Ohio Casualty Insurance Company (The)	24074
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES		CERTIFICATE NUMBER:		REVISION NUMBER:			
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
INSR LTR	TYPE OF INSURANCE	ADD'L SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR		BZA56874477	1/1/2023	1/1/2024	EACH OCCURRENCE	\$ 2,000,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 2,000,000
						MED EXP (Any one person)	\$ 15,000
						PERSONAL & ADV INJURY	\$ 2,000,000
						GENERAL AGGREGATE	\$ 4,000,000
						PRODUCTS - COMP/OP. AGG	\$ 4,000,000
							\$
	GENL AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO- JECT <input type="checkbox"/> LOC					COMBINED SINGLE LIMIT (Ea accident)	\$ 2,000,000
	OTHER:					BODILY INJURY (Per person)	\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY	<input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	BZA56874477	1/1/2023	1/1/2024	BODILY INJURY (Per accident)	\$
						PROPERTY DAMAGE (Per accident)	\$
							\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE	USO56874477	1/1/2023	1/1/2024	EACH OCCURRENCE	\$ 3,000,000
						AGGREGATE	\$ 3,000,000
							\$
	DED <input checked="" type="checkbox"/> RETENTION \$ 0					PER STATUTE	OTHER
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A				E.L. EACH ACCIDENT	\$
						E.L. DISEASE - EA EMPLOYEE	\$
						E.L. DISEASE - POLICY LIMIT	\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
ALL OPERATIONS OF THE NAMED INSURED IN ACCORDANCE WITH THE POLICY TERMS AND CONDITIONS

CERTIFICATE HOLDER	CANCELLATION
FOR INFORMATION ONLY	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Jessica Haas</i>

NWCPRD Park and Recreation Master Plan

NORTHERN WASCO COUNTY PARKS AND RECREATION DISTRICT

Cameron McCarthy worked with the Northern Wasco County Parks and Recreation District to develop the District's first Parks and Recreation Master Plan. Cameron McCarthy completed a thorough study of the current inventory of park and recreation facilities, a needs assessment, and a public outreach process to develop a 20- year plan to guide the District. The project team crafted a well-rounded public outreach process and offered different levels of engagement opportunities across multiple platforms including online surveys, interviews, focus group meetings and community events. Local groups had opportunities to dialogue and inform the project team of community needs. Completion and adoption of the Plan was a milestone for the District as it captured a unified vision for future park developments and improvements for the community. The Plan provides five unique park concepts and a capital improvements plan that provide a roadmap for the District to accomplish their vision. The District will be able to prioritize capital improvements, programmatic changes, and accessibility of services for residents. The planning process is complete, and the Plan was adopted in Spring 2019.

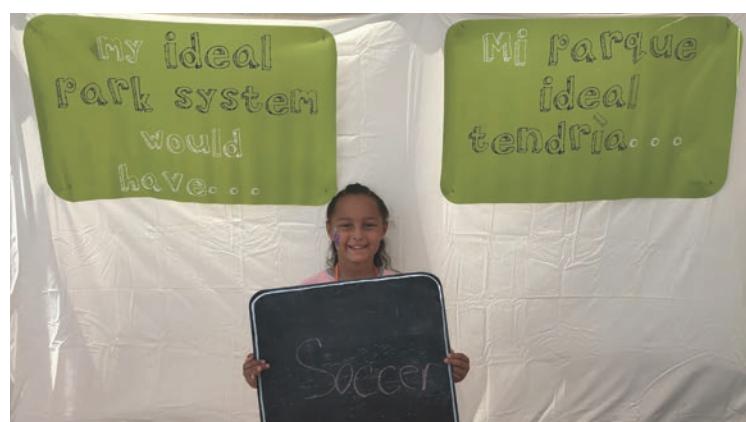
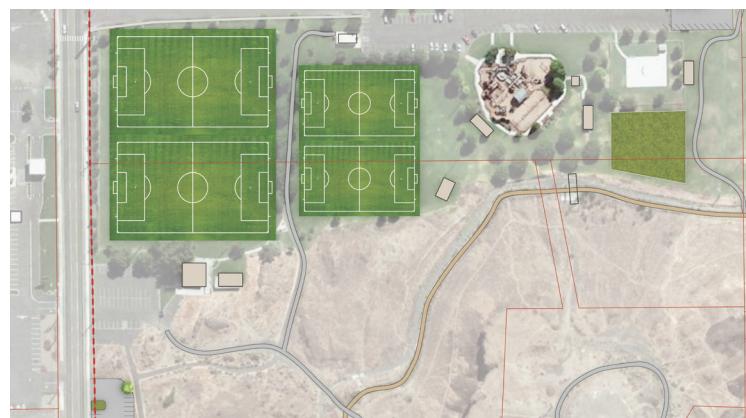


Hermiston PROS Plan

CITY OF HERMISTON

Cameron McCarthy provided the City of Hermiston with an update to their Parks, Recreation and Open Space Plan in 2019-2020. Cameron McCarthy reviewed local demographics and inventoried current parks and recreation facilities. The project team created a public outreach process that amplified a diverse range of voices to reflect the entire community of Hermiston. The project team strived to create an inclusive process by using bilingual communication and adapting to community needs. Residents' voices informed the Plan recommendations which identify and prioritize how to improve livability in Hermiston. The PROS Plan update addresses the unique needs of Latinx, youth, and users 65 years or older, gaps in the park and recreation service area, and demand for trails and multi-modal connectivity within the park system. The Plan proactively addresses the needs of a growing and diversifying community. The Plan was adopted in Summer 2020.

In July, 2020 the Hermiston Herald published the article [City plans for new parks and trails](#) that summarizes the process and provides a look into the outcome of the master plan.



Harrisburg Parks System Plan

CITY OF HARRISBURG

The City of Harrisburg last updated its Parks System Plan in 2004. Cameron McCarthy collaborated with the City to develop the 2022 Harrisburg Parks System Plan, which is designed to update and replace the previous parks plan. The Draft Parks System Plan is designed as a tool for planning, programming, and capital improvements to meet the recreational needs for the citizens residents of Harrisburg. The Plan includes a community needs assessment that details the City's strategies for meeting park facility needs. The Plan identifies current and future park and recreation needs; identifies alternative ways to meet those needs; and establishes a capital improvement program for park facilities. The Plan contains park improvement, acquisition, and development recommendations directed at meeting park and recreation needs over the next 20 years.

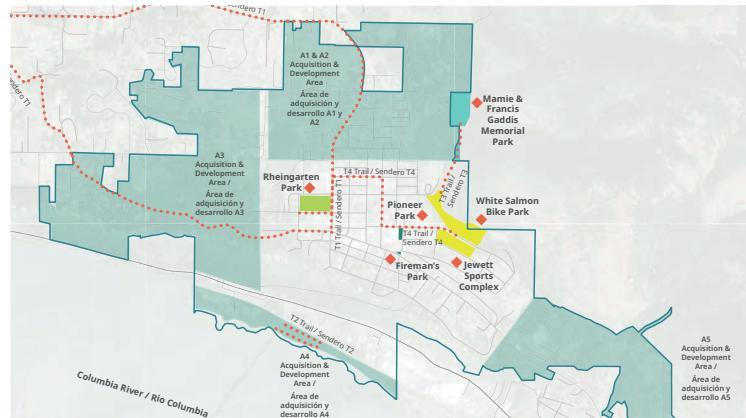


White Salmon Park System Plan

CITY OF WHITE SALMON

Cameron McCarthy worked with the City of White Salmon to develop a Park System Plan to guide their current and long-range park planning decisions. The project team researched the existing conditions, documented city facilities, and assessed community needs through a multi-step public outreach process. A variety of outreach methods were utilized during the planning process. The team held focus group meetings and interviewed stakeholders representing a wide array of community members. An bilingual online survey received high participation from local residents. Throughout the project, outreach materials in both English and Spanish were also developed and distributed by the team.

The resulting goals, recommendations and implementation measures in the Plan provide strategic guidance for City parks over the next twenty years. The Plan includes project prioritization and identifies potential funding sources for the City to continue enhancing their parks in this unique region of the Columbia River Gorge.



Lewis Creek Park Master Plan

LINN COUNTY PARKS

In fall of 2020, Cameron McCarthy worked with Linn County Parks to develop a master plan for Lewis Creek Park. The Plan was the product of a three-step process including analysis, design and documentation. The Project Team analyzed existing conditions as well as opportunities and constraints at the park. The following design phase developed a concept based on project analysis and public outreach data. Outreach for the project included meetings with County staff, focus group conversations, a survey, stakeholder interviews and public tabling events.

The design phase began with one existing site plan and two initial concepts. Using public outreach data, the options were refined into one conceptual plan. The final conceptual plan included a wide range of amenities to enhance the park. Water access was improved with an accessible water entry and boat slips. Key recreational features included a universally accessible playground and a dedicated swim area. Additionally, bike parking, restrooms, accessible parking, a shade structure, and terraced seating will all support park visitors.

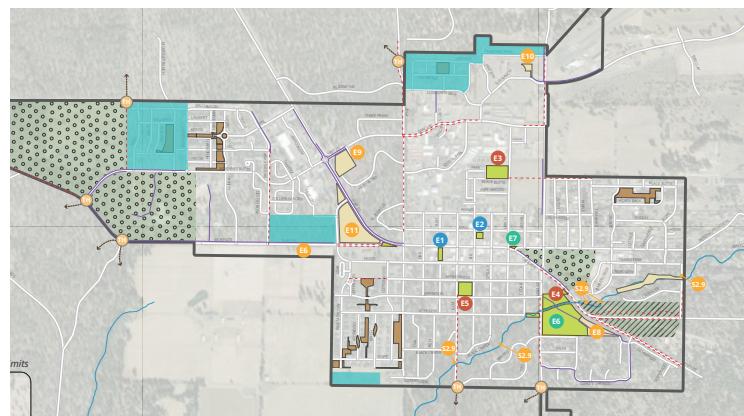
The final phase was documentation. The Team gathered the research, analysis, and findings to create the Lewis Creek Master Plan document and appendices. The Plan included recommendations, project prioritization, and an equity review of the completed outreach process. The project concluded in the summer of 2021.



Sisters Parks Master Plan

CITY OF SISTERS

Cameron McCarthy is currently working with the Sisters community to prepare a new comprehensive Parks Master Plan for the long-term development and maintenance of the park system. Cameron McCarthy prepared Sisters first Parks Master Plan, which was adopted in 2011. The Plan assesses existing projects in the previous Parks Master Plan, inventories parks system facilities, evaluates demographics and level of service, and includes an extensive public involvement process. Based on the data collected, the project team developed a needs assessment which informed the Plan's goals, recommendations.



The Plan focuses on parkland acquisitions, development and redevelopment to increase the current level of service, particularly in areas experiencing current and future residential growth. Sisters population is expected to grow exponentially in the next 20 years. The Plan recommends better system connectivity and path connections across the City and to external trail systems. These recommendations include ADA accessibility improvements and a variety of trail types. The plan is scheduled for adoption



Veneta PROS Plan

CITY OF VENETA

In 2020, Cameron McCarthy provided a Parks, Recreation and Open Space Master Plan update for the City of Veneta. The project team brought a community-based planning approach and were able to address Veneta's growing population and changing demographics. To support and identify community priorities, Cameron McCarthy implemented a multi-faceted public outreach process. Outreach included virtual and in-person communication and intentional dialogue with community partners and stakeholders.

In addition to public outreach, the team provided an inventory and composed a needs assessment to establish a solid foundation for the Plan. The carefully assembled foundation built on community feedback and local data to provide a clear path to the pertinent recommendations and the capital improvements plan. The PROS Plan will enable the City of Veneta to continue to work in concert with other local planning efforts and prioritize their growing community. The PROS Plan was successfully adopted in Fall of 2020.



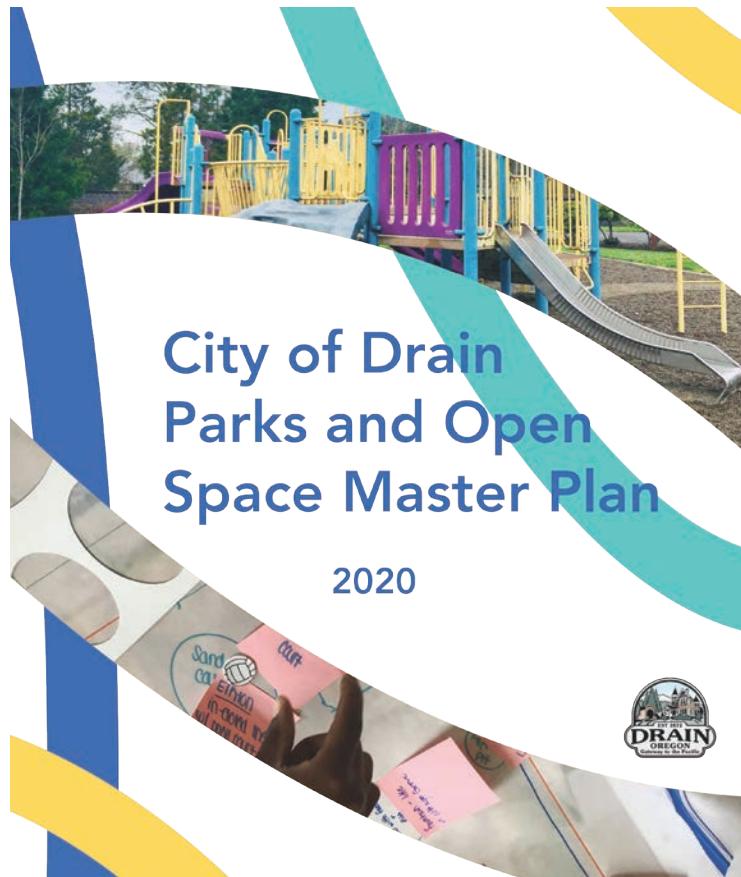
Drain Parks & Open Space Master Plan

CITY OF DRAIN

Cameron McCarthy created the Parks and Open Space Master Plan for the City of Drain in 2019. The Plan acts as a guiding vision for the City of Drain as they aspire to sustain and improve livability through their parks and recreation services. The Plan provides direction for both short-range and long-range planning for the tight-knit community located in southwestern Oregon.

During the planning process, Cameron McCarthy identified current and future park needs by engaging with the community to capture local insight and feedback, reviewing demographic data, and conducting an inventory of existing parks.

The culmination of planning work resulted in essential goals, policies, recommendations, and implementation measures to shape the development of the parks system over the next 20 years. The Plan balances a vision and community goals with recommendations and a detailed capital improvements plan to provide the step by step measures needed to achieve the City's vision for parks and open space.



A Park for Everyone



ROCKRIDGE PARK

Bend Park & Recreation District

Bend, Oregon

Michelle Healy, BPRD

541-706-6113

NATURE PLAY, BIKE SKILLS, SKATEPARK, DISC GOLF

Project Completion Date: 2017



Rockridge Park

BEND PARK AND RECREATION DISTRICT

Rockridge Park is in Deschutes County jurisdiction, adjacent to the Bend UGB. Cameron McCarthy obtained conditional use permit and site plan review approvals from the County and led the public improvement process for half-street improvements along the City frontage. The site is expected to be included in the next UGB expansion and infrastructure is designed to connect to City services. Rockridge is a distinctive community and neighborhood park in Central Oregon that blends conservation of a native juniper forest with recreational amenities catered to the active lifestyle of its residents. Designed features include a system of paved and natural trails; mountain biking skills courses; nature play area; traditional play area; skatepark; disc golf putting course; and a large open space with lawn, picnic tables and park shelter. In addition to providing traditional park amenities, Rockridge distinguishes itself from other community parks within the District and elsewhere. It embraces preservation of existing open space and rock outcroppings, the integration of active spaces, and repurposing salvaged on-site materials throughout the park. Rockridge is a result of BRPD's Comprehensive Plan Update.



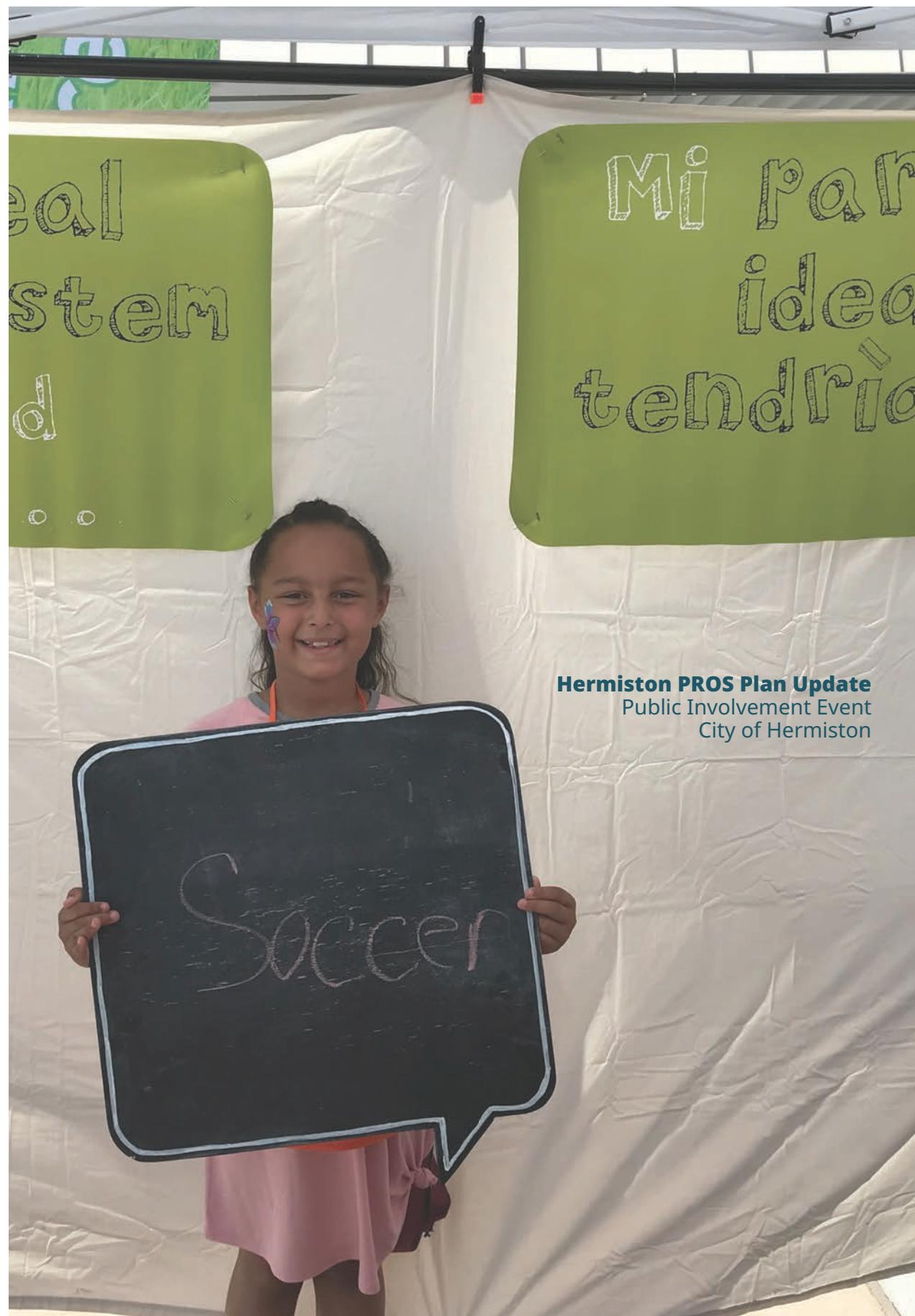
RECENT AND FORMER GOVERNMENT CLIENTS

CLIENT	PROJECT	SERVICES
SPECIAL DISTRICTS		
BEND PARK & RECREATION DISTRICT	COMPREHENSIVE PLAN UPDATE	Planning, Public Outreach
BEND PARK & RECREATION DISTRICT	HILLSIDE PARK	Master Plan, Design, Construction Administration
BEND PARK & RECREATION DISTRICT	LARKSPUR CENTER	Planning, Design, Construction Administration
BEND PARK & RECREATION DISTRICT	ROCKRIDGE PARK	Master Plan, Design, Construction Administration
NORTHERN WASCO COUNTY PARK & RECREATION DISTRICT	PARKS AND OPEN SPACE MASTER PLAN	Master Plan
NORTHERN WASCO COUNTY PARK & RECREATION DISTRICT	MILL CREEK TRAIL	Master Plan, Design
WILLAMALANE PARK & RECREATION DISTRICT	KELLY FIELD	Design, Construction Administration
WILLAMALANE PARK & RECREATION DISTRICT	CLEARWATER PARK BOAT LAUNCH	Planning, Design, Construction Administration
WILLAMALANE PARK & RECREATION DISTRICT	CLEARWATER PARK MASTER PLAN	Master Plan
WILLAMALANE PARK & RECREATION DISTRICT	DORRIS RANCH FACILITY DEVELOPMENT PLAN	Master Plan
WILLAMALANE PARK & RECREATION DISTRICT	MIDDLE FORK PATH	Planning, Design, Construction Administration
WILLAMALANE PARK & RECREATION DISTRICT	MILL RACE PATH	Planning, Design, Construction Administration
WILLAMALANE PARK & RECREATION DISTRICT	COMPREHENSIVE PLAN UPDATE (2012)	Planning, Implementation
WILLAMALANE PARK & RECREATION DISTRICT	QUARTZ PARK	Planning, Design, Construction Administration
WILLAMALANE PARK & RECREATION DISTRICT	THURSTON HILLS NATURAL AREA PARK	Planning
CITIES		
CITY OF ASHLAND	NORTH MOUNTAIN PARK	Master Plan, Design, Construction Administration
CITY OF ASHLAND	ASHLAND CREEK/CALLE GUANAJUATO RESTORATION	Planning, Design, Construction Administration
CITY OF CANBY	ACKERMAN SPORTS COMPLEX	Master Plan
CITY OF CORVALLIS	MLK JR. PARK	Master Plan, Design, Construction Administration
CITY OF CORVALLIS	CORVALLIS SKATE PARK	Planning
CITY OF COTTAGE GROVE	BOHEMIA PARK	Master Plan
CITY OF COTTAGE GROVE	ROW RIVER TRAIL (RAILS TO TRAILS)	Planning, Design, Construction Administration
CITY OF DALLAS	ROGER JORDAN COMMUNITY PARK	Planning, Design, Construction Administration
CITY OF DALLAS	ROTARY PARK	Planning, Design, Construction Administration
CITY OF DRAIN	PARKS AND OPEN SPACE MASTER PLAN	Master Plan
CITY OF ESTACADA	WADE CREEK PARK MASTER PLAN	Master Plan
CITY OF EUGENE	GOLDEN GARDENS SPORTS COMPLEX	Feasibility Study, Master Plan
CITY OF EUGENE	STRIKER FIELD PARK	Planning
CITY OF EUGENE	TOWN SQUARE	Master Plan, Design

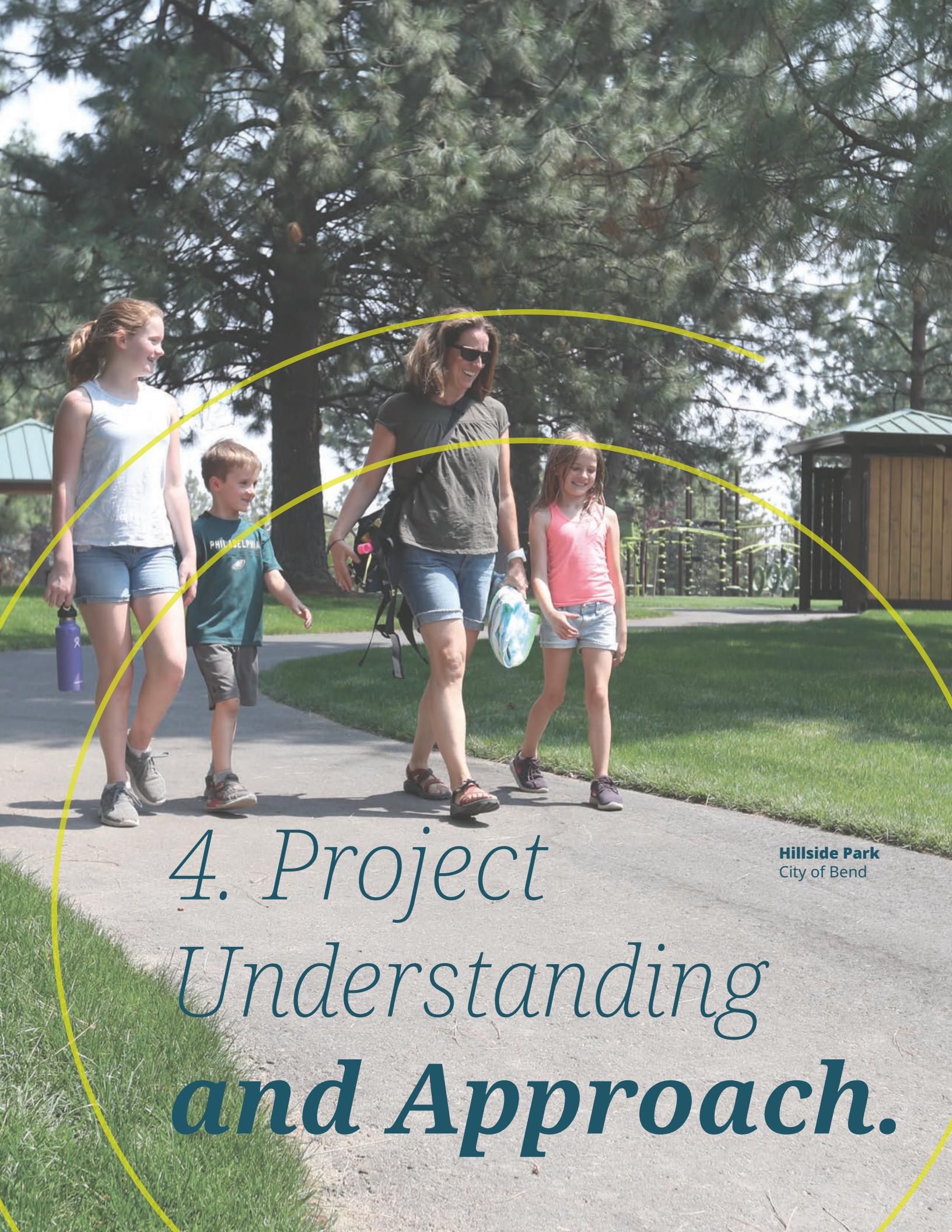
RECENT AND FORMER GOVERNMENT CLIENTS

CITIES CONTINUED		
CITY OF HARRISBURG	EAGLE (100-ACRE) PARK FEASIBILITY STUDY	Master Plan, Feasibility Study
CITY OF HARRISBURG	PARKS MASTER PLAN UPDATE	Master Plan
CITY OF HERMISTON	PARKS, RECREATION, AND OPEN SPACE MASTER PLAN	Master Plan
CITY OF LEBANON	CHEADLE LAKE REFINEMENT PLAN	Master Plan, Refinement Plan
CITY OF MONMOUTH	MADRONA PARK	Master Plan, Design, Construction Administration
CITY OF MT. ANGEL	EBNER PARK	Planning, Design, Construction Administration
CITY OF ROSEBURG	EAGLES PARK	Planning, Design, Construction Administration
CITY OF ROSEBURG	FIR GROVE SECTION AT STEWART PARK	Planning, Design, Construction Administration
CITY OF SEASIDE	BROADWAY PARK	Master Plan, Design, Construction Administration
CITY OF SISTERS	PARKS MASTER PLAN (2022 and 2011)	Master Plan
CITY OF SISTERS	FIR STREET PARK	Planning, Design, Construction Administration
CITY OF SPRINGFIELD	SPRINGFIELD MILLRACE AT BOOTH KELLY	Master Plan
CITY OF SUTHERLIN	FORD'S POND MASTER PLAN	Master Plan
CITY OF VENETA	PARKS AND OPEN SPACE MASTER PLAN	Master Plan
CITY OF WHITE SALMON	COMPREHENSIVE PARK PLAN	Master Plan
COUNTIES		
DOUGLAS COUNTY PARKS	PITCHFORD RANCH MASTER PLAN	Master Plan
LANE COUNTY PARKS	HOWARD BUFORD RECREATION AREA MASTER PLAN	Master Plan
LANE COUNTY PARKS	MT. PISGAH ARBORETUM MASTER PLAN	Master Plan
LINN COUNTY PARKS	LEWIS CREEK PARK MASTER PLAN	Master Plan
SHERMAN COUNTY	GILES FRENCH PARK MASTER PLAN	Master Plan
PUBLIC AGENCIES		
OREGON DEPARTMENT OF TRANSPORTATION	EAST ALTON BAKER PARK IMPROVEMENTS	Planning, Design, Construction Administration

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4. Project Understanding and Approach.

Hillside Park
City of Bend

Project Understanding

Located near the Cascade Mountains and Willamette National Forest in Linn County, the City of Sweet Home is about 25 miles east of I-5. As the third largest city in the County, it is approximately six square miles in size. Sweet Home is a growing community, with new residential developments in progress and future retail and industrial developments on the horizon. The area also sees thousands of tourists in the summer exploring local recreational opportunities for boating, fishing, camping and hiking near the South Santiam River, Foster Lake, Green Peter Lake, and the Willamette National Forest. Sweet Home also hosts events, like the annual Oregon Jamboree concert festival, attracting 15,000 visitors during the summer.

Sweet Home offers a variety of park facilities to residents, including four neighborhood parks, one community park, and several special use areas including the Hobart Natural Area and South Hills Trail. The City continues to invest in additional park properties and park improvements. Investments include site improvements at Sankey Park, acquisition of an extensive property for a future regional park with over 230 acres of land with riverfront access and space for the Oregon Jamboree festival.

The City's current Park System Master Plan was adopted in 2014. Portland State's Population Research Center estimates Sweet Home's population at approximately 10,097 people as of July 1, 2022 with projected growth to approximately 11,010 people by 2040. As Sweet Home continues to grow, updating the Park System Master Plan is needed to serve as a long-range planning and policy tool to guide the planning, coordination and implementation of

new park and open space property acquisitions and development of park facilities for residents in the City and the region. The Park System Master Plan update will reflect the current and future needs of residents and tourists and address wellness, inclusion and community pride.

Specifically, the Park System Master Plan will inventory, map, and assess park facilities and properties; review level of service standards; provide comparison of park service with similar cities; identify and map future needs and opportunity sites including undeveloped park sites; evaluate programming of existing parks; identify improvements prioritizing tourism, equity, and inclusion; identify opportunities for collaboration with other City, School and Fire District properties and owners; and review existing partnerships with Linn County and the School District.

Additionally, the Park System Master Plan will review the Parks Capital Project List and the Park System Development Charge (SDC) rate and provide recommended changes or additions. The Plan update will also include outreach, feasibility, and recommendations for the potential development of a Sweet Home Parks and Recreation District. Recommendations will also provide strategies for the City to best utilize park and open spaces, address funding and identify cost efficient maintenance standards. Recommendations will comprehensively address all proposed facilities in the Plan. The Plan will also prioritize recommendations and include planning-level funding estimates.

Development of a Park System Master Plan that serves all residents and visitors in Sweet Home



Drain Parks & Open Space Master Plan

City of Drain

and the surrounding area relies on strategic and innovative community outreach. Focused outreach will carefully assess community needs and identify recreation opportunities and interests to inform the Plan's recommendations. Outreach strategies include both broad opportunities for engagement, including an online survey and an open house, and targeted efforts like stakeholder interviews in order to provide an inclusive process that listens to many community voices. The Plan will balance and uphold community outreach outcomes and the City's vision and goals.

Project Approach

This section details the proposed work program that the Cameron McCarthy Project Team will perform to complete the Park System Master Plan update according to the City's requested services. The planning and design products generated from these services will be driven by the principle of putting the community first.

Parks, recreation facilities, and other natural areas are key services that enhance a community's quality of life. The purpose of a Parks Master Plan is to provide a guiding vision for the parks system and planning efforts by integrating community input with best practices in public recreation planning. The Parks System Master Plan provides goals, policies, recommendations, and implementation measures to shape the development of the park system over the next 20 years.

We recognize that the Park System Master Plan belongs to the community of Sweet Home. Reflecting the unique characteristics and desires of the community as well as the financial realities of operating and maintaining a parks system is essential. The Project Team will provide objective technical information and document input and findings that inform the park system planning process. City officials and representatives can then make informed decisions about the future of Sweet Home's parks, trails, and open spaces based on the documented information and findings.

Cameron McCarthy will produce the new Sweet Home Park System Master Plan through the development of work products under eight key tasks: (Task 1) Project Initiation; (Task 2) Project Management; (Task 3) Community Outreach and Involvement; (Task 4) Existing Conditions Analysis; (Task 5) Needs Assessment; (Task 6) Goals, Policies, and Recommendations; (Task 7) Capital Improvement Plan; and (Task 8) Documentation and Adoption. Task 9 is an optional additive service.

The Plan will identify priorities and recommendations, including possible facility acquisitions, development and improvements, possible park system expansion and/or improvements to the existing park system, funding priorities and recommendations, and review existing and potential partnership opportunities. Additionally, it will review System Development Charge rates and the list of park-related Capital Improvement Projects. The feasibility of a Sweet Home Park and Recreation District may also be examined and is listed as an additive service. The following project approach details the steps through which these tasks will be accomplished.

TASK 1. PROJECT INITIATION

Conduct project initiation meeting with City of Sweet Home staff to finalize project scope and schedule, work program, roles, and a communications plan. Discussions at this meeting will refine our understanding of the project, further define expectations, and ensure that our work will reflect the needs of the City and its constituents. This meeting will also allow the Project Team to identify key stakeholders and community groups, prior planning documentation, and data collection needs. Following the meeting, the Team will participate in site visits with City staff to observe existing parks and recreation facilities, infrastructure, opportunities and constraints, and spatial contexts. The Project Team will also set dates for future meetings, prepare a communications plan, refine the public outreach strategy, and provide a memorandum summarizing the meeting discussion.

DELIVERABLES:

- Project Initiation Meeting Notes
- Internal Communications Plan
- Public Outreach Strategy

MEETINGS:

- Project Initiation Meeting and Site Visit

TASK 2. PROJECT MANAGEMENT

Conduct regular progress meetings with City staff throughout the planning process to review deliverables, prepare for public meetings, and report on progress. Frequency of meetings is to be determined by both City staff and the Project Team during project initiation. The Project Team will prepare and transmit a meeting agenda and task/action list prior to each meeting, and review project schedule at each meeting. These meetings will also

ensure that the Project Team has all necessary and available information to complete this scope of work. In addition to progress meetings, conduct two (2) meetings with City Parks and Tree Committee and one (1) work session with the City Council at key decision points during the project.

DELIVERABLES:

- Task/Action Matrix
- Meeting Agendas, Materials, and Notes

MEETINGS:

- Regular Progress Meetings with City staff
- (2) City Parks and Tree Committee Meetings
- (1) City Council Work Sessions

TASK 3. COMMUNITY OUTREACH

As a part of the project initiation meeting, the Project Team will meet with City staff to discuss and finalize the outreach activities outlined in the following sub-tasks.

TASK 3.1. ONLINE SURVEY: Develop a statistically valid survey aimed at understanding the community's desires for improvements and additions to the park system. The survey will be made available online. The Project Team will also share the survey with local community leaders and groups. The survey can be translated and available in Spanish language.

TASK 3.2. STAKEHOLDER INTERVIEWS: Work with the City to identify 8 key community members who represent a variety of demographic groups, including any historically underserved populations, and/or have a particular interest in or knowledge of the parks and recreation system. The Project Team will conduct phone interviews (or a format that best fits the stakeholder's needs) with these individuals to understand areas of particular need and/or desire for future development of the parks system and recreation offerings.

“Crafting a parks master plan to be flexible and responsive to the community’s needs as well as suitable for all ages and interests is our number one goal. We have built a process that ensures everyone is welcome.”

- Colin McArthur

TASK 3.3. PARKS MASTER PLAN OPEN HOUSE: The Project Team will work with City staff to publicize and host an open house event for community members during the planning process. The open house event will be used to gather feedback and measure public interest in proposed priorities and park developments. The event may include a brief presentation of the preliminary findings and recommendations and will feature interactive stations where residents can share their ideas and offer direct feedback on the proposed Plan. Using insight from City staff, the time and location of the event will be informed by community needs and constraints. This event may be hosted online based on applicable COVID precautions at the time.

DELIVERABLES:

- Online Survey
- Stakeholder Interview Memorandum
- Open House Summary

MEETINGS:

- Stakeholder Interviews (8)
- Public Open House (1)

TASK 4. EXISTING CONDITIONS ANALYSIS

Gather and review relevant background information, planning documents, and community demographics identified by the City, including but not limited to the Park System Master Plan (2014), the Comprehensive Plan (2010), and the Transportation System Plan (2005). Identify how the goals from these plans relate to one another, especially in regards to parks, recreation facilities, and other outdoor recreation opportunities. Review and interpret demographic trends and population characteristics of the City of Sweet Home.

Develop a comprehensive inventory of the City's existing parks, trails, open space, facilities, connector points, and nearby recreation resources. Site visits can occur on the day of the project initiation meeting. The inventory will utilize base maps and will include the park type and purpose, park location, acreage, inventory of facilities and amenities, current photographs, additional images as appropriate, and an evaluation of the physical conditions and functionality of those facilities. Consider the capacity of each amenity found within the park system as well as its functionality, accessibility, condition, comfort, convenience, and capacity for year-round use. Compile above information in an Inventory and Conditions Report including photos and diagrams of each park and the park system. Conduct first meeting with the City Park and Tree Committee.

DELIVERABLES:

- Community Profile/Demographics and Trends Memorandum
- Inventory and Conditions Report
- Existing Park System Map

MEETINGS:

- City Park and Tree Committee Meeting #1

TASK 5. NEEDS ASSESSMENT

Prepare a needs assessment that considers the latent and potential demand for services by examining the needs in existing parks and the needs for additional park land, park development and enhancement, and recreational facilities and programming. Draw from resources such as the inventory and conditions report; projections of population growth; demographic characteristics; recreation participation trends; National Level of Service (LOS) standards; geographic distribution within the City; identified unmet needs of residents; and identification of areas of future needs and facilities; and existing undeveloped sites. Include a condition report for each existing park and their facilities. Include an assessment of alternative public and private park and recreation service providers to provide understanding of market opportunities, and recommendations for improvements, including acquiring new park properties, developing currently undeveloped properties, improving existing parks and their access, guidelines and recommendations for conservation of natural resources and future staffing levels, and potential local partnership opportunities to meet community needs.

DELIVERABLES:

- Needs Assessment Report

TASK 6. GOALS, POLICIES, AND RECOMMENDATIONS

After analysing previously gathered data, public opinion surveys, and the core values expressed by the Sweet Home community involved throughout the community outreach process, work with City staff to update goals, policies, and recommendations to address identified community needs and values. Conduct second meeting with the City Park and Tree Committee.

DELIVERABLES:

- Goals, Policies, and Recommendations Memorandum

MEETINGS:

- City Park and Tree Committee Meeting #2

TASK 7. CAPITAL IMPROVEMENT PLAN

Based on the expressed values of the community, develop prioritized recommendations for improvements through renovation and maintenance of parks and outdoor facilities, development of additional recreational amenities and facilities, and land acquisition. Develop estimates of the capital and operational costs associated with these improvements. Review the Parks Capital Project List and provide recommended changes or additions. Review Park System Development Charge (SDC) rate. Meet with City staff to review priority recommendations, cost estimates, the updated CIP list, and System Development Charges (SDC) rate recommendations.

DELIVERABLES:

- Capital Improvement Plan (CIP)

MEETINGS:

- City Council Work Session #1

TASK 8. DOCUMENTATION AND ADOPTION

Based on the previous tasks and input received, provide Draft Park System Master Plan for review by City staff, local partners, and stakeholders. At a minimum, the Draft Park System Master Plan will include:

- Introduction and Executive Summary
- Updated park system vision, goals, and objectives
- Inventory of current park conditions
- Summary of community outreach process and findings
- Needs Assessment
- Prioritized existing and proposed facility recommendations accompanied with rationale
- Accompanying implementation tools including costs of prioritized recommendations

Meet with City staff to review the Draft Plan. Present the Draft Park System Master Plan to City Council and the Planning Commission for review. Revise the Draft Master Plan and amendments and prepare Final Master Plan for formal adoption as a reader-friendly

Mill Creek Trail
City of The Dalles



Hermiston Park, Recreation and Open Space Plan

City of Hermiston



document with an emphasis on maps, charts, photos, graphics, and tables to convey information. The Plan will be formatted in such a way that it is easy to update on a routine basis. Present Final Park System Master Plan to Planning Commission and City Council for adoption.

DELIVERABLES:

- Draft Parks Master Plan
- Final Parks Master Plan

MEETINGS:

- Planning Commission and City Council Public Hearing
- Planning Commission and City Council Adoption

ADDITIVE SERVICE:

TASK 9. PARK DISTRICT FEASIBILITY

The Project Team will assess the feasibility and develop recommendations for the potential creation of a Sweet Home Parks & Recreation District.

DELIVERABLES:

- Parks District Feasibility Recommendations

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Lewis Creek Park Master Plan
Public Involvement Event
Linn County Parks



Section Divider Back

5. *References.*

Middle Fork Path System
WPRD
Springfield, OR

References

SCOTT BAKER

*Northern Wasco County Park and Recreation District
Executive Director*
602 W 2ND STREET, THE DALLES, OR 97058
541-296-9533

BRANDON ARTZ

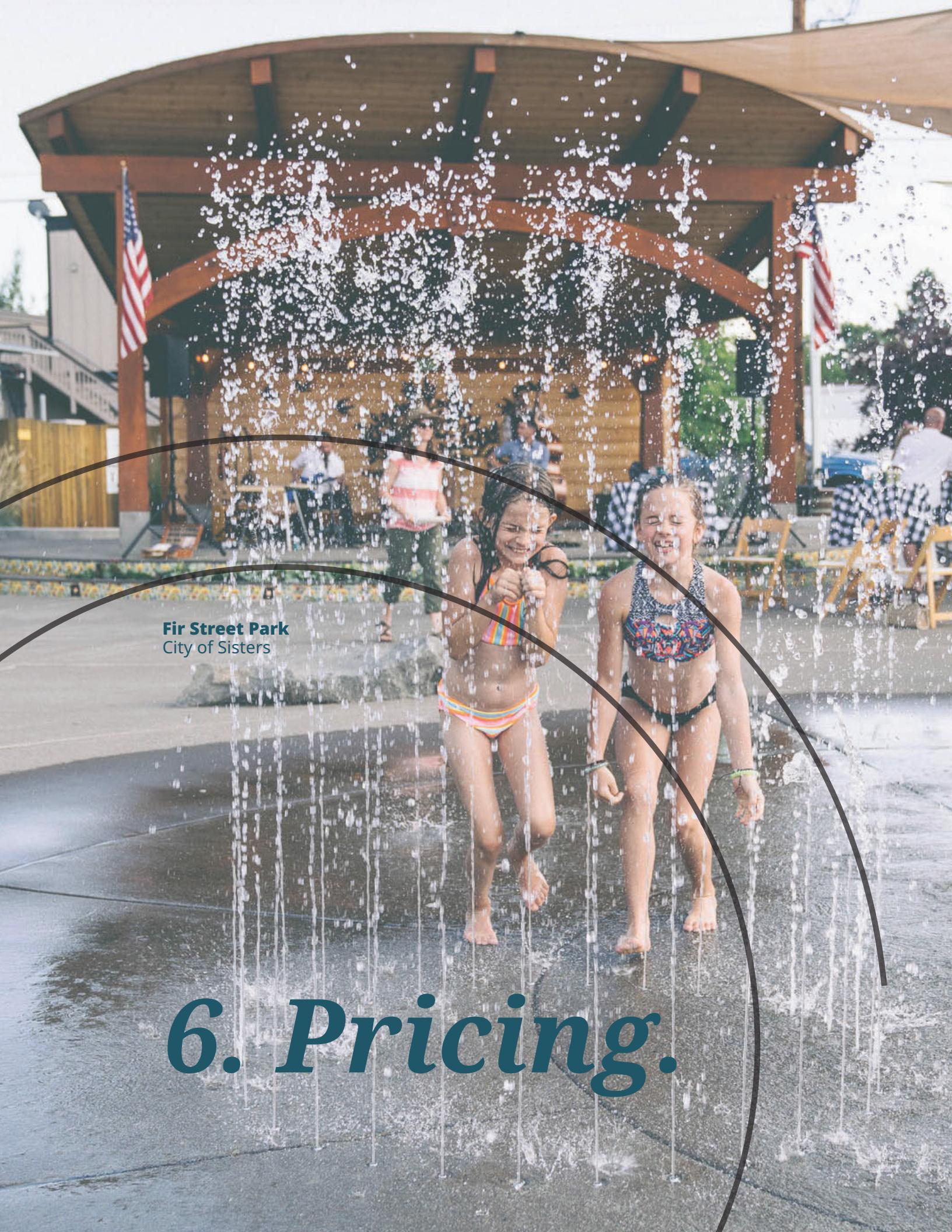
*City of Hermiston
Parks and Recreation Director*
180 NE 2ND STREET, HERMISTON, OR 97838
541-667-5018

TROY RAYBURN

*City of White Salmon
City Administrator*
100 N. MAIN STREET, WHITE SALMON, WA, 98672
509-493-1133

Please see Technical Experience and Qualifications section for the following project descriptions that correspond with the references above:

*NWCPRD Master Plan (Scott Baker),
Hermiston PROS Plan (Brandon Artz),
and Sisters Park Master Plan (Troy Rayburn, previously at the City of Sisters).*

A photograph of two young girls in swimwear playing in a large, circular splash pad. The water is spraying upwards in a fountain-like pattern. In the background, there is a wooden pavilion with a flag, a set of stairs, and some people. A black curved line is drawn across the image, starting from the left edge, going up to the top center, and then down to the right edge.

Fir Street Park
City of Sisters

6. *Pricing.*

PROJECT COST ESTIMATE

PHASE / TASK		CAMERON MCCARTHY				Subtotal Hours	Total Hours	Task Total	Total
PHASE	TASK	Principal	Project Manager / Landscape Architect	Planner	Designer 2				
Basic Services									
1	Project Initiation	9	13	10	10	42		\$ 5,890	
2	Project Management	8	14	0	0	22		\$ 3,400	
3	Community Outreach	6	11	8	29	54		\$ 6,995	
4	Existing Conditions Analysis	8	17	6	27	58		\$ 7,705	
5	Needs Assessment	2	4	2	8	16		\$ 2,100	
6	Goals, Policies, and Recommendations	6	8	2	8	24		\$ 3,380	
7	Capital Improvement Plan	8	9	0	5	22		\$ 3,275	
8	Documentation and Adoption	13	26	25	45	109		\$ 14,405	
	SUBTOTAL	60	102	53	132	347		\$ 47,150	
	TOTAL HOURS	60	102	53	132	347			
	HOURLY RATE	\$180.00	\$140.00	\$130.00	\$115.00				
	TOTAL FEES	\$10,800	\$14,280	\$6,890	\$15,180			\$ 47,150	
EXPENSES									
Displays, Prints, Reproductions, Outreach Compensation, and Materials								\$ 2,850	
	Subtotal							\$ 2,850	
	TOTAL PROJECT FEE							\$ 50,000	
Additive Services									
9	Parks District Feasibility Recommendations	6	8	4	12			\$ 4,100	

Appendix A. *Proposal Requirements*



2.2.2 Proposal Contents Requirements

At least three public sector projects of similar scope or objectives.	See Consultant Qualifications
Good legal standing.	See Introductory Letter
Ability to provide the work needed by the City to the standards required by the City.	See Introductory Letter
Demonstrate the ability to furnish insurance coverage as specified in Section 7 of the attached contract form.	See Technical Experience and Qualifications
Include the full name, tax identification number, main office address and telephone and facsimile numbers of the Proposer and the principal contact person. This shall include a description of the firm or organization (corporation, partnership, etc.) that will serve as the contracting party.	See Corporate Profile and Legal Qualifications
The name of the person(s) authorized to represent the proposer in negotiating and signing any agreement which may result from the proposal.	See Corporate Profile and Legal Qualifications
Name of the individual who will serve as the project lead.	See Corporate Profile and Legal Qualifications
Identify proposed subconsultants, if applicable.	Not applicable
Demonstrate good legal standing in Oregon (no bankruptcy in the last 10 years, no fraud, no illegal activities).	See Introductory Letter
If applicable, identify ownership status and/or employment practices regarding disadvantaged business enterprises, minority-owned businesses, woman-owned businesses, businesses that service-disabled veterans own, emerging small businesses or historically underutilized businesses.	Not applicable
A current résumé for the individual who will serve as the project lead, including a description of qualifications, skills, and responsibilities.	See Staffing Plan
The names of professional persons who will assist the project lead in performing the work and a current résumé for each, including a description of qualifications, skills, responsibilities, professional registrations and certifications, and office location.	See Staffing Plan
Availability of support staff.	See Staffing Plan
Organizational chart identifying members of the team, including subconsultants, who would be assigned to this project. The chart should clearly delineate roles and responsibilities of the various team members.	See Staffing Plan
A list of the tasks, responsibilities, and qualifications of any subconsultants proposed to be used and proof of adequate professional liability insurance for any subconsultants.	Not applicable
Description of Proposer's project management techniques.	See Staffing Plan and Project Understanding and Approach
Description of similar previous work demonstrating quality of work, ability to meet schedules, cost control and contract administration.	See Technical Experience and Qualifications
A list of at least three references from government clients of similar size for whom similar services have recently been provided, if available. (For all references, please include names, phone numbers, and description of work performed.)	See References
Written affirmation that the firm has a policy of nondiscrimination in employment because of race, age, color, sex, religion, national origin, mental or physical handicap, political affiliation, marital status or other protected class, and has a drug-free workplace policy.	See Introductory Letter
An explanation of any potential or actual conflicts of interest within the jurisdictional boundaries of the City. Conflict of interest is defined for purposes of this RFP and any resulting contract as proposer's provision of professional engineering services to any private property owner or developer within the City's jurisdictional boundaries.	See Introductory Letter

Rockridge Park
City of Bend



Section Divider Back

Fir Street Park
City of Sisters





REQUEST FOR COUNCIL ACTION

Title:	Request for Council Action - Mahler WRF Interim Improvement Project contract award
Preferred Agenda:	March 14, 2023
Submitted By:	Trish Rice, Engineering Technician 2 Greg Springman, Public Works Director
Reviewed By:	Kelcey Young, City Manager
Type of Action:	Resolution <input type="checkbox"/> Motion <input type="checkbox"/> Roll Call <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Relevant Code/Policy:	N/A
Towards Council Goal:	1.1 Develop specific steps for implementation of the adopted infrastructure master plans.
Attachments:	Procurement documents set

Purpose of this RCA:

Staff requests authorization to award the contract for construction of the Mahler Water Reclamation Facility Interim Improvement Project to Boede Construction.

Background/Context:

On November 8, 2022, Council approved the Engineer's recommendation for the Interim Improvements Project. On February 14, 2023, Council awarded procurement contracts for the mechanical equipment (FKC), electrical and controls equipment (TAG), and sludge blend tank (Baker Silo). This request for action is the final piece of this multi-pronged project. The selected contractor will install the mechanical equipment and associated controls received from FKC Co. Ltd. and TAG, and will work onsite in close coordination with Baker Silo to reach substantial completion prior to June 30, 2023.

The Engineer of Record (West Yost) prepared the specifications and contract documents. The procurement was advertised for bid on February 15, 2023, and bids closed on March 2, 2023. We received two bids from Boede Construction (\$839,995) and Pacific Excavation (\$936,800).

Staff recommends awarding the procurement contract to Boede Construction and authorizing a 10% contingency (\$84,000) controlled by the City Manager, bringing the total project budget to \$923,995.

This project is funded by a combination of the \$7M state earmark and ARPA funds. This will bring our eligible expenses for the earmark to at least \$7.15M before contingencies (potentially up to \$7.46M including contingencies), ensuring that the City makes full use of the grant funds

before the grant expires. There are sufficient ARPA funds available to cover expenditures beyond the \$7M grant.

The Challenge/Problem:

To make efficient use of limited funds to complete needed wastewater treatment improvements and satisfy DEQ requirements and state funding timelines.

Stakeholders:

- City Residents. Residents are the customers who deserve good service with the highest return on their taxes and fees that we can provide, and who trust the City to maintain their infrastructure systems at a high level of service.
- Council Members. Council members are the voice of the citizens we serve. Each member of this group is interested in providing the best service possible at the lowest possible cost. They must balance leadership with representation.
- Public Works Department Staff. This project will greatly improve the operability of the WWTP which is currently undersized and beyond its serviceable lifespan. Staff spends significant time fixing broken down equipment and fighting with system inefficiencies.
- Management Team. Comprised of five department heads, each with a responsibility to the citizens and City Manager to run their day-to-day operations as efficiently as possible.
- Oregon DEQ. The WWTP upgrade project is required to comply with DEQ regulations.

Issues and Financial Impacts:

The low bidder is Boede Construction at \$839,995. Staff also requests a 10% contingency (\$84,000) controlled by the City Manager, bringing the total project budget to \$923,995.

This project is funded by a combination of the \$7M state earmark and ARPA funds. This will bring our eligible expenses for the earmark to at least \$7.15M before contingencies (potentially up to \$7.46M including contingencies), ensuring that the City makes full use of the grant funds before the grant expires. There are sufficient ARPA funds available to cover expenditures beyond the \$7M grant.

Elements of a Stable Solution:

A stable solution will provide efficient completion of needed facility improvements and make full use of the funding from the State of Oregon for this project.

Options:

1. Option 1 – Move to cancel the project. Not recommended. This project is essential to making full use of the \$7M state earmark.
2. Option 2 – Move to reject all bids and re-bid the project. Not recommended. This project has a very tight schedule to meet the June 30 deadline.
3. Option 3 – Move to execute the procurement as presented. Staff will execute the contract and give notice to proceed.

Recommendation:

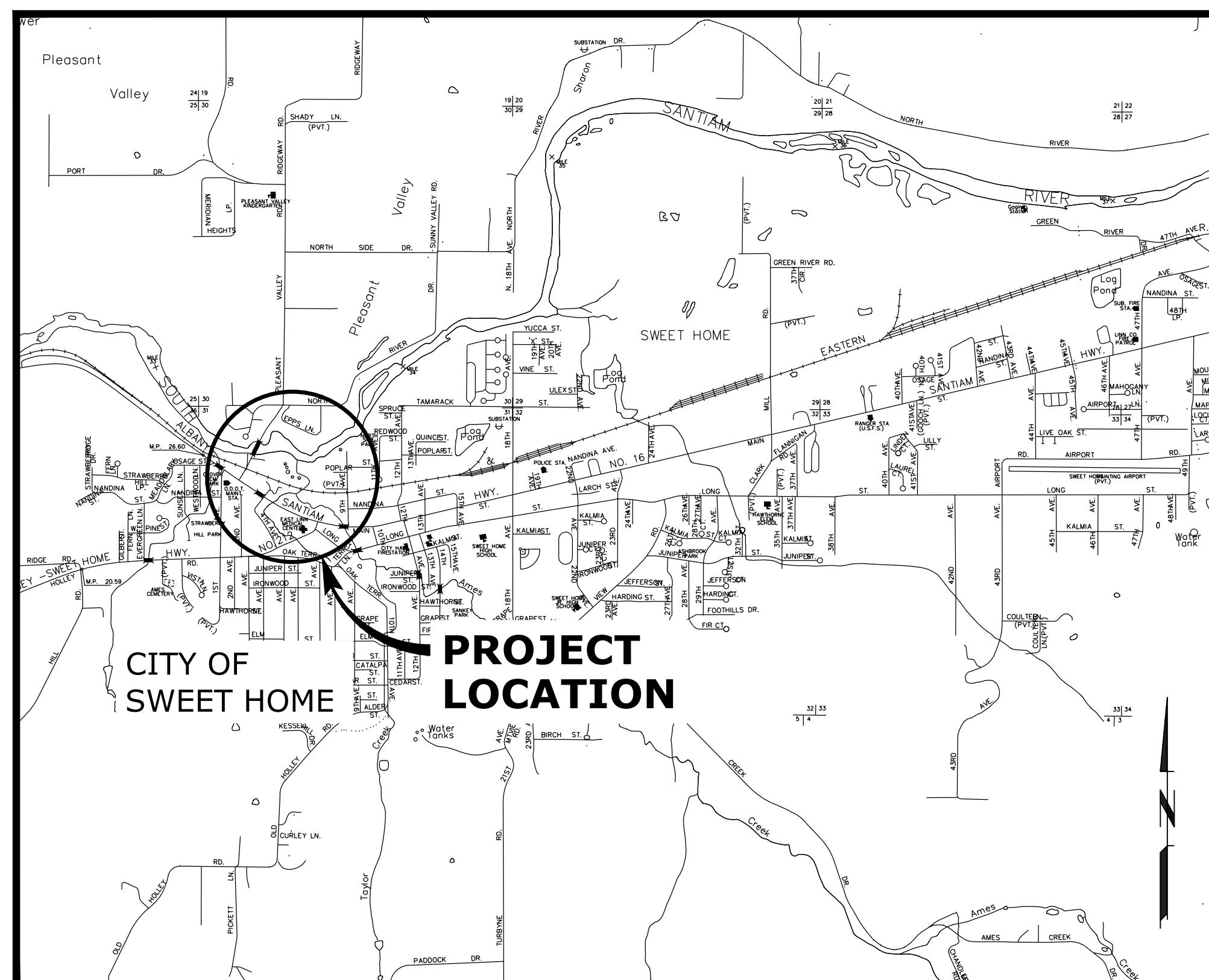
Staff recommends Option 3 – Move to execute the procurement as presented.



MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

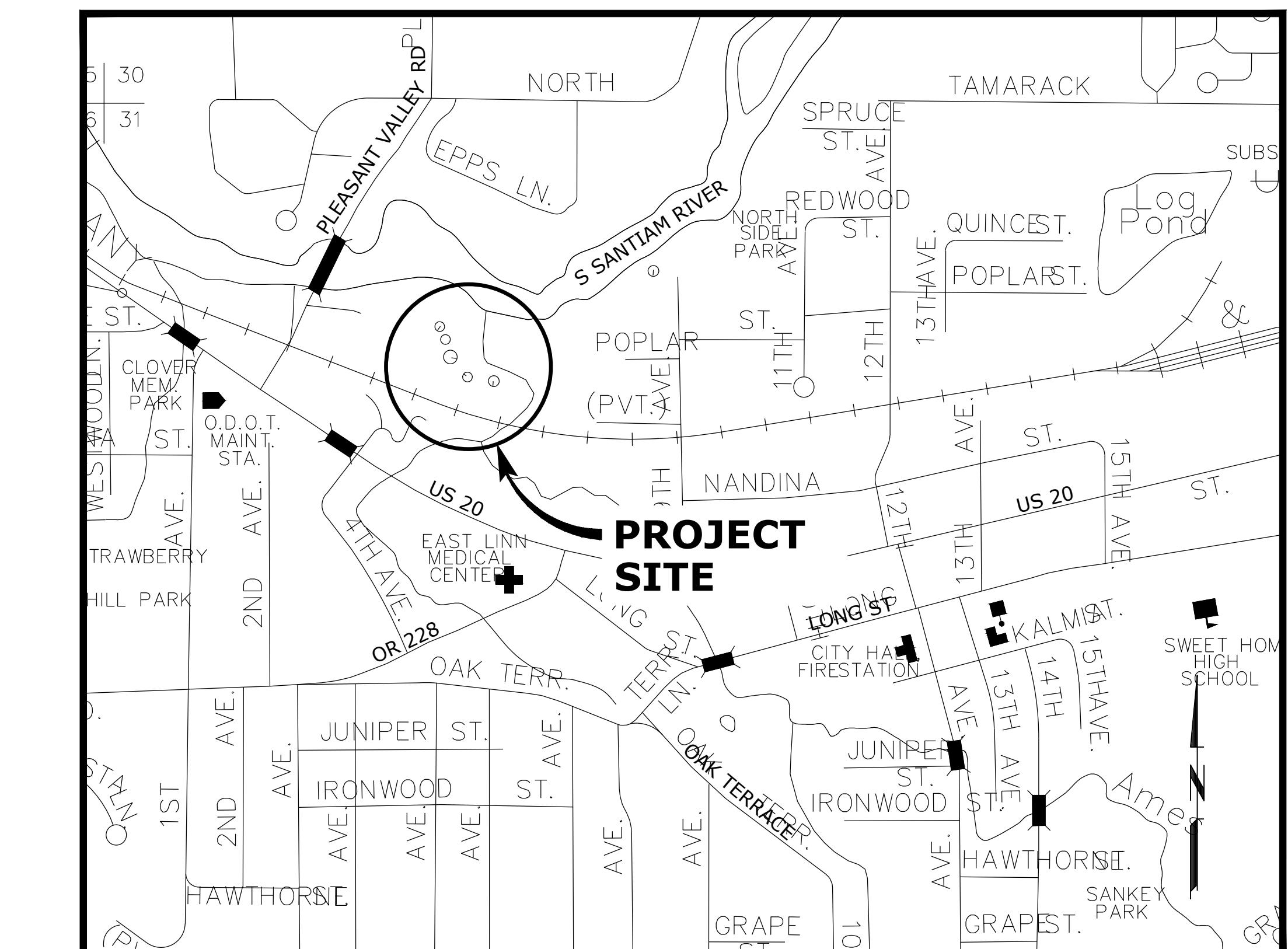
FEBRUARY 2023

VOLUME 3 OF 3



VICINITY MAP

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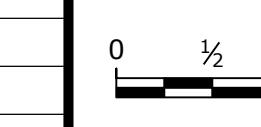


LOCATION MAP

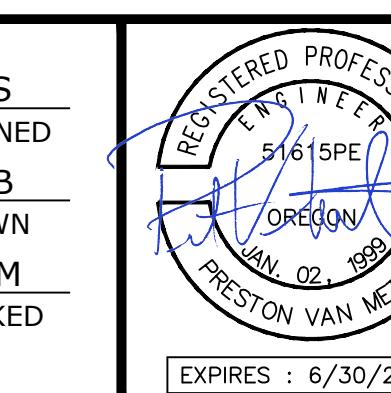
SCALE: 1"=500'

DRAWING NO.	SHEET NO.	SHEET NO.
GENERAL		
1	G-000	COVER SHEET
2	G-001	DRAWING INDEX
3	G-002	GENERAL, CIVIL & MECHANICAL NOTES
4	G-003	SYMBOLS
5	G-004	ABBREVIATIONS
6	G-005	DESIGN CRITERIA, SOLIDS PROCESS SCHEMATIC DIAGRAM
CIVIL		
7	C-001	CIVIL DETAILS 1
8	C-002	CIVIL DETAILS 2
9	C-010	EXISTING CONDITIONS PLAN
10	C-011	EXISTING UTILITIES PLAN
11	C-020	SITE DEMOLITION PLAN
12	C-030	OVERALL SITE PLAN, STRUCTURE COORDINATES, STAGING AND ACCESS, SURVEY CONTROL POINTS
13	C-031	SOLIDS AREA SITE PLAN
14	C-040	EROSION CONTROL NOTES
15	C-041	EROSION CONTROL PLAN
16	C-042	EROSION CONTROL DETAILS
17	C-050	GRADING & DRAINAGE PLAN
18	C-060	YARD PIPING PLAN
STRUCTURAL		
19	S-001	GENERAL STRUCTURAL NOTES, STRUCTURAL ABBREVIATIONS
20	S-010	SCREW PRESS FOUNDATION PLAN
21	S-011	SCREW PRESS SECTIONS & DETAILS
22	S-012	SCREW PRESS CONVEYOR SUPPORT SECTION
23	S-013	SCREW PRESS CONVEYOR SUPPORT SECTIONS
MECHANICAL		
24	M-001	MECHANICAL DETAILS
25	M-010	SOLIDS AREA DETAIL PLAN
26	M-011	SLUDGE BLEND TANK SECTIONS AND DETAILS
27	M-012	SCREW PRESS SECTIONS AND DETAILS
ELECTRICAL		
28	E-001	ELECTRICAL ABBREVIATIONS
29	E-002	ELECTRICAL SYMBOL LEGEND
30	E-003	ELECTRICAL DETAILS
31	E-004	EXISTING MCC-3 ONE-LINE DIAGRAM
32	E-005	ELECTRICAL CONDUIT SCHEDULE
33	E-006	ELECTRICAL OVERALL SITE PLAN
34	E-010	ELECTRICAL SOLIDS AREA SITE PLAN
35	E-011	LCS-600-01 ELEVATION DETAIL
PROCESS & INSTRUMENTATION		
36	I-001	LEGEND, SYMBOLS AND ABBREVIATIONS 1
37	I-002	LEGEND, SYMBOLS AND ABBREVIATIONS 2
38	I-251	SOLIDS DEWATERING 1
39	I-252	SOLIDS DEWATERING 2
40	I-253	POLYMER MAKEDOWN
41	I-600	SLUDGE BLEND TANK AND MIXING
INSTRUMENTATION & CONTROLS		
42	IC-100	RCP-100 SCREW PRESS RADIO CONTROL PANEL

NO.	DATE	BY	REVISION
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NOTICE

 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

WJS
 DESIGNED
 SMB
 DRAWN
 PLVM
 CHECKED



WEST YOST
 Water. Engineered.



MAHLER WATER
 RECLAMATION FACILITY
 INTERIM IMPROVEMENTS
 PROJECT

PROJECT NO.: 936-50-21-09	SCALE: NO SCALE	DATE: February 2023
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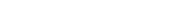
GENERAL NOTES

1. CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL, COUNTY, STATE, AND UTILITY CONSTRUCTION PERMITS, AND SHALL CONTACT EACH PERMITTING AGENCY AT LEAST TWO (2) BUSINESS DAYS PRIOR TO STARTING WORK. CONTRACTOR SHALL OBTAIN ALL REQUIRED LICENSES BEFORE STARTING CONSTRUCTION.
2. WHERE INTERRUPTION OF EXISTING FACILITIES IS REQUIRED, CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE TO ENGINEER AND THE AFFECTED UTILITY. CONTRACTOR SHALL ARRANGE FOR THE RELOCATION OF ANY UTILITY IN CONFLICT WITH THE PROPOSED CONSTRUCTION.
3. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF ORS 757.542 TO 757.562. THE CONTRACTOR SHALL NOTIFY EACH UNDERGROUND UTILITY AT LEAST 48 BUSINESS-DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS, PRIOR TO EXCAVATING, BORING, OR POTHOLING.
4. PROVIDE 24-HOUR ACCESS FOR OPERATIONS.
5. TOPOGRAPHIC MAP WAS COMPILED BY UDELL ENGINEERING & LAND SURVEYING. THE HORIZONTAL DATUM IS OREGON STATE PLANE.
6. ANY ALTERATION OR VARIANCE FROM THESE PLANS, EXCEPT MINOR FIELD ADJUSTMENT NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL FIRST BE APPROVED BY THE ENGINEER. ANY ALTERATIONS OR VARIANCE FROM THESE PLANS SHALL BE DOCUMENTED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER. ANY PROPOSED CHANGES IN CONSTRUCTION PLANS MUST BE SUBMITTED IN WRITING AND APPROVED BY ENGINEER PRIOR TO COMMENCING WORK.
7. CONTRACTOR SHALL KEEP AND MAINTAIN A CURRENT SET OF DRAWINGS ON SITE. CONTRACTOR TO KEEP ACCURATE "AS-BUILT" RECORD COPY OF PLANS. "AS-BUILT" PLANS TO BE RETURNED TO ENGINEER AT COMPLETION OF PROJECT.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER 48 HOURS BEFORE STARTING CONSTRUCTION, AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAYS, SUNDAYS, OR HOLIDAYS. CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS PRIOR TO ANY TESTING OR REQUIRED INSPECTION.
9. THE LIMITS OF THE SITE THAT MAY BE USED FOR CONSTRUCTION, STORAGE, MATERIALS HANDLING, PARKING OF VEHICLES AND OTHER OPERATIONS RELATED TO THE PROJECT ARE SHOWN ON THE PLANS. LIMITS OF WORK ALSO INCLUDE RIGHTS OF ACCESS OBTAINED BY THE CONTRACTOR, SUBJECT TO ALL PUBLIC LAWS AND REGULATIONS AND RIGHTS OF ACCESS BY UTILITY COMPANIES AND OTHER HOLDERS OF EASEMENT RIGHTS.
10. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS NECESSARY TO OBTAIN SUFFICIENT WATER, POWER AND LIGHTING FOR CONSTRUCTION PURPOSES.
11. THE DRAWINGS SHOW APPROXIMATE LOCATIONS OF EXISTING UNDERGROUND UTILITIES. BEFORE ORDERING MATERIALS OR BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL POT-HOLE AND VERIFY THE LOCATION/DEPTH OF EXISTING UNDERGROUND UTILITIES AND REPORT ANY POTENTIAL CONFLICTS TO THE CONSTRUCTION MANAGER AND ENGINEER. CONTRACTOR SHALL KEEP EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
13. CONTRACTOR TO FIELD CHECK ALL EXISTING STRUCTURES FOR VERIFICATION OF DIMENSIONS WHERE EQUIPMENT IS TO BE INSTALLED.
14. CONTRACTOR SHALL REFER TO ALL RELATED DRAWINGS AND TO MANUFACTURER'S DRAWINGS FOR COMPLETE DETAILS OF A GIVEN FACILITY.
15. EXISTING ELEVATIONS SHOWN ON DRAWINGS WERE BASED ON SURVEY DATA AND INFORMATION SUPPLIED BY THE UTILITY COMPANIES. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS SHOWN ON DRAWINGS.
16. SEE ALL DISCIPLINE DRAWINGS FOR ADDITIONAL SYMBOLS AND NOTES.
17. NOT ALL EXISTING UTILITIES AND UNDERGROUND STRUCTURES ARE SHOWN IN DRAWINGS. THE LOCATION OF EXISTING UTILITIES AND OTHER UNDERGROUND STRUCTURES SHOWN ON THE DRAWINGS IS APPROXIMATE AND THEIR ACTUAL LOCATIONS MAY VERY FROM THAT SHOWN. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FEATURES THAT MAY BE AFFECTED BY THE WORK.
18. CONTRACTOR SHALL PROTECT ALL EXISTING APPURTENANCES THAT REMAIN INCLUDING THOSE LOCATED WITHIN PAVED AREAS, WHETHER OR NOT SHOWN ON THE DRAWINGS, UNTIL READJUSTED. SUCH ITEMS INCLUDE, BUT ARE NOT LIMITED TO, VALVE CANS, ELECTRICAL MANHOLES, PULL BOXES, CATHODIC PROTECTION TEST STATIONS, MANHOLE AND CLEANOUT CASTINGS, AND SURVEY MONUMENTS.
19. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER WHERE THE WORK MIGHT CAUSE SURVEY MONUMENTS TO BECOME DISTURBED OR DESTROYED. CONTRACTOR SHALL PROVIDE A LICENSED LAND SURVEYOR TO SET REFERENCES AND RESTORE SURVEY MONUMENTS IN ACCORDANCE WITH COUNTY AND CITY STANDARDS.
20. ALL AREAS DISTURBED OUTSIDE THE WORK AREA SHALL BE RESTORED TO THE PRE-DISTURBED CONDITION.

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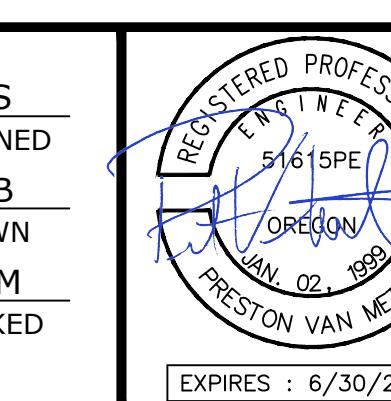
NOTICE



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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

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MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

GENERAL, CIVIL & MECHANICAL NOTES

PROJECT NO.: 936-50-21-09 SCALE: NO SCALE DATE: February 2023

SHEET

21. REFER TO SECTION 01 12 16 FOR WORK RESTRICTIONS INCLUDING SEQUENCING REQUIREMENTS AND REQUIREMENTS TO MAINTAIN DESIGNATED FACILITIES AND UTILITIES IN SERVICE DURING CONSTRUCTION. THE CITY OF SWEET HOME WASTEWATER FACILITIES IMPROVEMENTS REQUIRES DETAILED PLANNING OF CONSTRUCTION SEQUENCING, SPECIAL COORDINATION AND COMPREHENSIVE PROGRAMMING, COMBINED WITH OTHER SPECIAL WORK ACTIVITIES. CONTRACTOR SHALL PREPARE AND SUBMIT A DETAILED WORK SEQUENCE PLAN TO THE ENGINEER FOR REVIEW AT THE PRE-CONSTRUCTION CONFERENCE.
22. CONTRACTOR SHALL COORDINATE AND NOTIFY THE CONSTRUCTION MANAGER AND ENGINEER WHEN WORK IS READY FOR INSPECTIONS. PRESENCE OR ABSENCE OF INSPECTOR WILL NOT RELIEVE CONTRACTOR OF FULL RESPONSIBILITY FOR PROPER PERFORMANCE OR WORK.
23. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL MATERIALS THAT ARE TO BE REMOVED FROM THE SITE INCLUDING, SURPLUS EXCAVATION MATERIALS AND DEBRIS. ITEMS DESIGNATED BY THE OWNER FOR SALVAGING SHALL REMAIN THE PROPERTY OF THE OWNER, AND SHALL BE CAREFULLY REMOVED AND STORED AS DIRECTED.
24. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS AND SECURITY, INCLUDING PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO WORK DURING THE CONSTRUCTION OF THE PROJECT.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL BARRICADES, SAFETY DEVICES, AND CONTROL TRAFFIC WITHIN CONSTRUCTION AREAS AS REQUIRED. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COMPLIANCE WITH ADDITIONAL PUBLIC SAFETY REQUIREMENTS WHICH MAY ARISE DURING CONSTRUCTION.
26. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PROTECTING ANY TREES NOT DESIGNATED FOR REMOVAL. ANY TREE DAMAGE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
27. CONTRACTOR MUST MAINTAIN SEWER, POWER AND WATER SERVICES FOR THE WWTP OPERATION THROUGHOUT CONSTRUCTION.
28. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE NATURE AND CONDITION OF ALL FACILITIES TO BE DEMOLISHED, MODIFIED OR ALTERED PRIOR TO SUBMITTAL OF BID. INSPECTION SHALL TAKE PLACE DURING PRE-BID VISIT TO SITE CONDUCTED BY OWNER.
29. CONTRACTOR SHALL PROTECT FROM DAMAGE ANY EXTERIOR PLANTINGS, STRUCTURES AND EQUIPMENT NOT SUBJECT TO REMOVAL.
30. CONTRACTOR IS REQUIRED TO COORDINATE ALL DEMOLITION WORK WITH THE OPERATION OF THE WWTP. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH COORDINATION.
31. SITE PREPARATION, DEMOLITION AND REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS APPROVED BY THE CONSTRUCTION MANAGER AND ENGINEER.
32. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. IDENTIFY LENGTHS AND ELEVATIONS OF ABANDONED PIPING THAT ARE NOT REMOVED FOR RECORD DRAWING PURPOSES. ALL PIPELINES SHALL BE REMOVED OR PLUGGED.
33. DEMO WORK TO INCLUDE REMOVAL AND OFFSITE DISPOSAL OF ALL ASPHALT CONCRETE, CONCRETE, PIPING, EQUIPMENT AND OTHER NON-NATIVE MATERIALS AND SELECT VEGETATION TO THE DEPTH OF EXCAVATION REQUIRED FOR CONSTRUCTION OF THIS PROJECT.
6. CONTRACTOR SHALL RESTORE ALL EXISTING FEATURES, INCLUDING BUT NOT LIMITED TO, ROADWAYS, STRUCTURES, CURBS, SIDEWALKS, FENCES, WALLS, PLANTINGS, MAILBOXES, SIGNS, PIPING, AND UTILITIES DISTURBED DURING CONSTRUCTION TO EXISTING CONDITIONS UNLESS OTHERWISE SPECIFIED. SUCH RESTORATION WILL BE CONSIDERED INCIDENTAL.
7. ALL SURVEY AND STAKING NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL DEVELOP AND MAKE ALL DETAIL SURVEYS NECESSARY TO ESTABLISH PRINCIPAL LINES AND GRADES. SURVEY CONTROL BENCHMARKS ARE PROVIDED ON SHT C-030.
8. PROTECT FRESHLY POURED CONCRETE FROM VANDALISM OR OTHER DAMAGE FOR A MINIMUM OF TWENTY-FOUR (24) HOURS OR UNTIL CURED ENOUGH TO SUPPORT TYPICAL USE, WHICHEVER IS LONGER. ANY CONCRETE DAMAGED BY VANDALISM OR OTHER CAUSES SHALL BE REPLACED AT NO COST TO THE CITY.

MECHANICAL NOTES

1. CONTRACTOR SHALL PROVIDE ALL PIPING, EQUIPMENT, AND APPURtenant DEVICES, INCLUDING ALL THAT ARE INDICATED IN EITHER THE MECHANICAL DRAWINGS, PROCESS AND INSTRUMENTATION DIAGRAMS, OR THE SPECIFICATIONS TO PROVIDE COMPLETE PROCESS SYSTEMS.
2. EQUIPMENT AND PIPING COORDINATION AND INSTALLATION DRAWINGS ARE REQUIRED. SEE DIVISION 40 SPECIFICATIONS. THE CIVIL, YARD PIPING, AND MECHANICAL DRAWINGS SHOW ADDITIONAL PIPING DETAILS.
3. THE NUMBER OF PIPE SUPPORTS SHOWN IN THE DRAWINGS IS THE MINIMUM. PROVIDE CALCULATIONS SHOWING THE REQUIRED SIZE AND SPACING OF ALL PIPE SUPPORTS.
4. PIPE PENETRATIONS THROUGH STRUCTURE WALLS, FLOOR, AND CEILINGS SHALL BE PROVIDED AS SHOWN ON MECHANICAL DRAWINGS UNLESS OTHERWISE NOTED.

PIPELINE NOTES

1. ALL FORCE MAIN JOINTS SHALL BE RESTRAINED. RESTRAIN ALL VALVES, TEES, BENDS, AND FITTINGS WITH MECHANICAL JOINT RESTRAINTS. ALL FITTINGS TO BE MECHANICAL JOINT UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO PROVIDE "AS CONSTRUCTED" DRAWINGS INDICATING FINAL LOCATION AND ELEVATION, GRADE, ALIGNMENT, FITTINGS AND MATERIALS INSTALLED AND ALL OTHER UTILITIES OR OBSTACLES SHOWN ON THESE PLANS AND SHALL BE UPDATED CONTINUOUSLY THROUGHOUT CONSTRUCTION. AS CONSTRUCTED DRAWINGS SHALL BE "RED LINES" OF THE DESIGN DRAWINGS.
3. AT THE END OF EACH WORKDAY, ALL OPEN TRENCHES SHALL BE BACKFILLED OR COVERED AND SECURED WITH PINNED PLATES. ALL TRENCHES IN TRAFFIC AREAS SHALL BE PAVED WITH TEMPORARY HOT MIX ASPHALT.
4. CONTRACTOR SHALL COMPLY WITH ALL OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) REQUIREMENTS IN THE DISPOSAL OF CHLORINATED WATER. SEE SPECIFICATIONS.
5. SEE SPECIFICATION SECTION 01 12 16 WORK SEQUENCE FOR PROJECT SPECIFIC WORK CONSTRAINTS.

PIPE & FITTING SYMBOLS

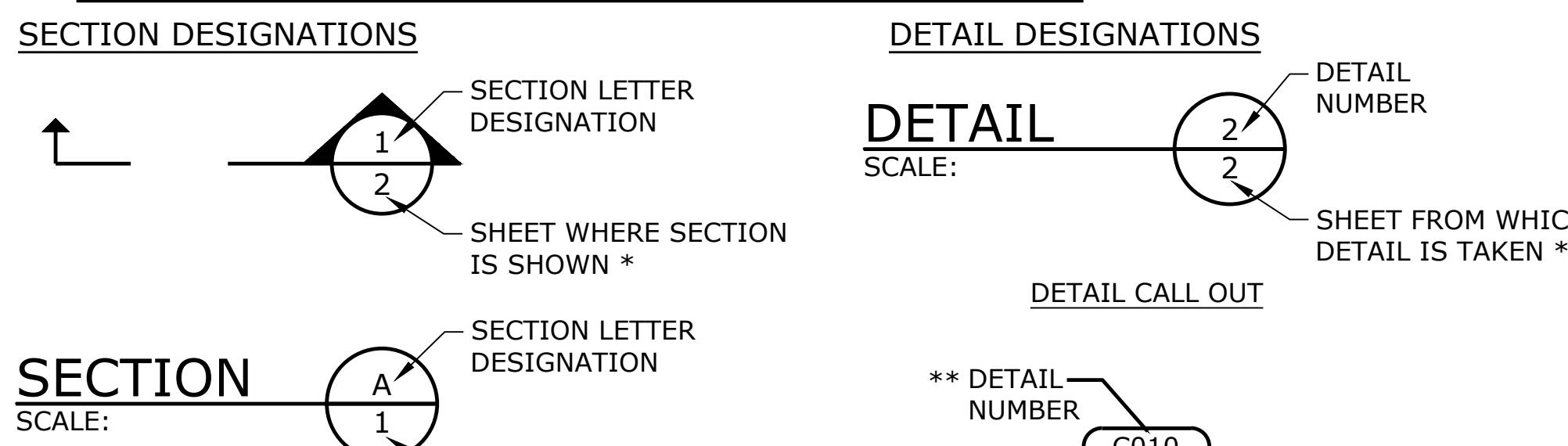
PLANT	SCHEMATIC	DESCRIPTION
		WELDED JOINT
		FLANGED JOINT
		GROOVED END JOINT
		MECHANICAL JOINT
		PUSH-ON JOINT (RUBBER GASKET)
		FLANGED COUPLING ADAPTER
		DOUBLE BALL FLEXIBLE EXTENSION COUPLING
		FLEXIBLE COUPLING W/ THRUST RING
		90° BEND UP
		90° BEND DOWN
		TEE UP
		TEE DOWN
		LATERAL UP
		LATERAL DOWN
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		UNION
		BLIND FLANGE
		CAP
		LONG SLEEVE
		FLEXIBLE COUPLING
		FITTING (45°)

VALVE SYMBOLS

PLANT	SCHEMATIC	DESCRIPTION	ITEM NUMBER
		BUTTERFLY VALVE	V-100+
		BALL VALVE	V-200+
		PLUG VALVE (TOP)	V-300+
		3-WAY PLUG VALVE	V-300+
		CHECK VALVE	V-400+
		DOUBLE CHECK ASSEMBLY	V-400+
		BALL SWING CHECK	V-400+
		REDUCED PRESSURE BACKFLOW PREVENTER W/ GATE VALVES	V-400+
		GATE VALVE	V-500+
		NEEDLE VALVE	V-600+
		GLOBE VALVE	V-700+
		HOSE VALVE	V-700+
		RELIEF VALVE	V-800+
		PRESSURE REDUCING VALVE	V-800+
		SOLENOID VALVE	V-900+
		HOSE BIBB	

TOPOGRAPHIC LEGEND

EXISTING	PROPOSED
	10"W
	E
	OVHD
	4"G
	T
	CATV
	8"SS
	6"FM
	8"SD
	18"D
	+/+/+/+/+/+/
	xx-xx-xx-xx-xx-xx-
	oooooooooooo
	+ 176.63
	+ 176.63

SECTION AND DETAIL DESIGNATIONS

* NOTE: IF PLAN AND SECTION FOR DETAIL CALL-OUT AND DETAIL ARE SHOWN ON THE SAME DRAWING, DRAWING NUMBER IS REPLACED WITH A DASH.
**STANDARD DETAILS ARE ON DETAIL SHEETS

EXAMPLE PIPE CALL OUT

PIPE SIZE: 8"-LPA
FLOW STREAM: 8"-LPA

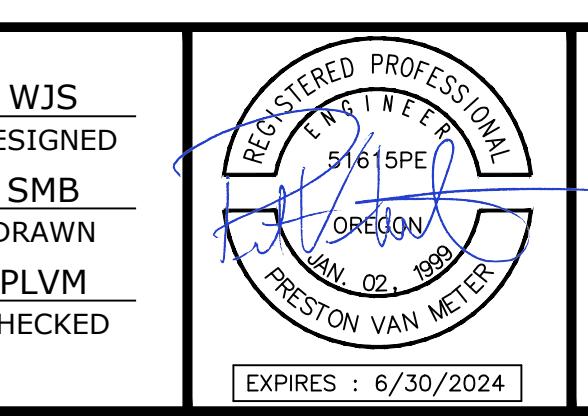
EXAMPLE VALVE CALL OUT

VALVE SIZE: 8" V-100
VALVE NUMBER: 8" V-100

FLOW STREAM ABBREVIATIONS

DR	DRAIN (PROCESS)	PSC	PRIMARY SCUM
FM	INFLOW PUMP STATION FORCEMAIN	SD	STORM DRAIN
INF	INFLOW PUMP STATION DISCHARGE	SL-D	DIGESTED SLUDGE
INF	INFLOW PUMP STATION INLET	SL-WAS	WAS SLUDGE
PFD	PERFORATED DRAIN	SS	SANITARY SEWER
PS	PRIMARY SLUDGE	W	POTABLE WATER

NOTICE
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE
WJS DESIGNED SMB DRAWN PLVM CHECKED
REGISTERED PROFESSIONAL ENGINEER SPE OREGON PRESTON VAN METER EXPIRES: 6/30/2024
NO. DATE BY REVISION



WEST YOST
Water. Engineered.



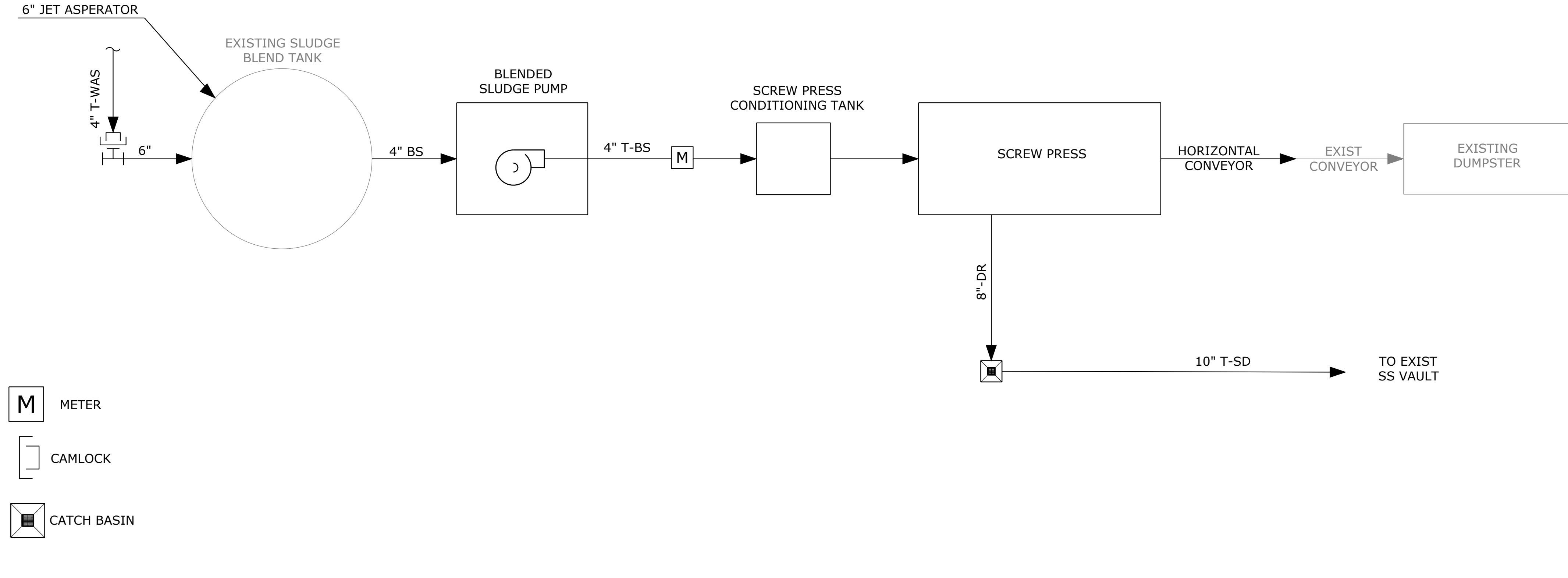
MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

PROJECT NO.: 936-50-21-09 | SCALE: NO SCALE | DATE: February 2023

SHEET
G-003
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@	AT	CNT	CONTROL POINT	FLR	FLOOR	JUNC	JUNCTION	POL	POLYMER	STRUCT	STRUCTURE / STRUCTURAL
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	CO	CLEANOUT	FM	FORCE MAIN	KPL	KICK PLATE	POLY	POLYETHYLENE	SUBMG	SUBMERGED
AB	ANCHOR BOLT	COL	COLUMN	FO	FIBER OPTIC	KVA	KILOVOLT AMPERE	PP	POWER POLE	SUCT	SUCTION
ABE	AERATION BASIN EFFLUENT	COMB	COMBINATION	FOC	FACE OF CONCRETE	KW	KILOWATT	PRCST	POINT OF REVERSE CURVATURE	SV	SOLENOID VALVE
ABI	AERATION BASIN INFLOW	CONC	CONCRETE	FOF	FACE OF FINISH	KWY	KEYWAY	PRECAST	PREPARATION	S/W	SIDEWALK
ABD	ABANDON(ED)	CONN	CONNECTION	FOM	FACE OF MASONRY	L	LENGTH	PRESS	PRESSURE	SWD	SIDEWATER DEPTH
ABS	ACRYLONITRILE BUTADIENE STYRENE	CONST	CONSTRUCTION	FOS	FACE OF STUDS	LAB	LABORATORY	PRKG	PARKING	SWGR	SWITCH GEAR
ABV	ABOVE / ALCOHOL BY VOLUME	CONT	CONTINUOUS / CONTINUATION	FPM	FEET PER MINUTE	LAV	LAVATORY	PROP	PROPERTY	SYMM	SYMMETRICAL
AC	ASPHALTIC CONCRETE	CONTR	CONTRACT(OR)	FPS	FEET PER SECOND	LB	POUND	PRV	PRESSURE REDUCING VALVE	SYS	SYSTEM
ACP	ASPHALTIC CONCRETE PAVING	COORD	COORDINATE	FRP	FIBERGLASS REINFORCED PLASTIC	LF	LINEAR FOOT	PS	PUMP STATION/PRIMARY SLUDGE	T OR TEL	TELEPHONE
ADJ	ADJUSTABLE	COP	COPPER	FT	FEET / FOOT	LIN	LINEAL	PSC	PRIMARY SCUM	T&B	TOP & BOTTOM
ADJC	ADJACENT	CORP	CORPORATION	FTG	FOOTING	LOC	LOCATION	PSIG	POUNDS PER SQUARE INCH GAUGE	TAN	TANGENCY
AFF	ABOVE FINISHED FLOOR	CORR	CORRUGATED	FUT	FUTURE	LONG	LONGITUDINAL	PSL	PIPE SLEEVE	TB	THRUST BLOCK
AFG	ABOVE FINISHED GRADE	CP	CONTROL POINT	FXTR	FIXTURE	LP	LOW PRESSURE	PSPT	PIPE SUPPORT	TBM	TEMPORARY BENCHMARK
AHR	ANCHOR	CPLG	COUPLING	G	GAS	LPT	LOW POINT	PV	PLUG VALVE	TC	TOP OF CONCRETE / TOP OF CURB
AL	ALUMINUM	CPVC	CHLORINATED POLYVINYL CHLORIDE	GA	GAUGE	LRG	LARGE	PVC	POLYVINYL CHLORIDE	TCE	TEMPORARY CONSTRUCTION EASEMENT
ALT	ALTERNATE	CR	CRUSHED ROCK	GAL	GALLON	LS	LONG SLEEVE / LUMP SUM	PVMT	PAVEMENT	TDH	TOTAL DYNAMIC HEAD
AMP	AMPERE	CS	COMBINED SLUDGE	GALV	GALVANIZED	LT	LEFT	PWR	POWER	TEMP	TEMPERATURE / TEMPORARY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	CSP	CONCRETE SEWER PIPE	GC	GROOVED COUPLING	LVL	LEVEL	QTY	QUANTITY	T&G	TONGUE & GROOVE
APPROX	APPROXIMATE	CTR	COURT	GEN	GENERATOR	LWL	LOW WATER LINE	THK	THICK / THICKNESS	THRD	THREAD (ED)
APPVD	APPROVED	CU	CUBIC	GFA	GROOVED FLANGE ADAPTER	MAN	MANUAL	R, RAD	RADIUS	THRU	THROUGH
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	CULV	CULVERT	GI	GALVANIZED IRON	MAT	MATERIAL	RAS	RETURN ACTIVATED SLUDGE	TP	TEST PIT / TOP OF PAVEMENT / TURNING POINT
ARCH	ARCHITECTURAL	CV	CONTROL VALVE	GIP	GALVANIZED IRON PIPE	MAX	MAXIMUM	RC	REINFORCED CONCRETE	TRANS	TRANSITION
ARV	AIR RELEASE VALVE	CW	CLOCKWISE / COLD WATER	GJ	GRIP JOINT	MCC	MOTOR CONTROL CENTER	RCP	REINFORCED CONCRETE PIPE	TSP	TRI-SODIUM PHOSPHATE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	CY	CUBIC YARDS	GL	GLASS	MCP	MASTER CONTROL PANEL	RD	ROAD / ROOF DRAIN	TST	TOP OF STEEL
ASSN	ASSOCIATION	CYL	CYLINDER LOCK	GLV	GLOBE VALVE	MEB	MAIN ELECTRICAL & BLOWER BUILDING	RDCR	REDUCER	TW	TOP OF WALL
ASSY	ASSEMBLY	DC	DIRECT CURRENT	GND	GROUND	MECH	MECHANICAL	RDPS	RECYCLE DRAIN PUMP STATION	TWAS	THICKENED WASTE ACTIVATED SLUDGE
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	DEFL	DEFLECTION	GPD	GALLONS PER DAY	MET	METAL	REF	REFERENCE	TYP	TYPICAL
ATM	ATMOSPHERE	DEG	DEGREE	GPH	GALLONS PER HOUR	MFR	MANUFACTURER	REINF	REINFORCE(D)(ING)(MENT)		
AUTO	AUTOMATIC	DET	DETAIL	GPM	GALLONS PER MINUTE	MGD	MILLION GALLONS PER DAY	REQ'D	REQUIRED		
AUX	AUXILIARY	DI	DUCTILE IRON	GPS	GALLONS PER SECOND, GLOBAL POSITIONING SYSTEM	MH	MANHOLE	RESTR	RESTRAINED	UG	UNDERGROUND
AVE	AVENUE	DIA	DIAMETER	GR	GRIT	MIN	MINIMUM	RFCA	RESTRAINED FLANGE COUPLING	UH	UNIT HEATER
AVG	AVERAGE	DIM	DIMENSION	GR LN	GRADE LINE	MIPT	MALE IRON PIPE THREAD	ADAPTER		UN	UNION
AWWA	AMERICAN WATER WORKS ASSOCIATION	DIPS	DUCTILE IRON PIPE SIZE	GRTG	GRATING	MISC	MISCELLANEOUS	RM	ROOM	UNO	UNLESS NOTED OTHERWISE
B&S	BELL & SPIGOT	DIR	DIRECTION	GV	GATE VALVE	MJ	MECHANICAL JOINT	RND	ROUND	USGS	UNITED STATES GEOLOGIC SURVEY
BC	BOLT CIRCLE	DIST	DISTANCE	GRVL	GRAVEL	MON	MONUMENT / MONOLITHIC	RO	ROUGH OPENING	UW	UTILITY WATER
BF	BOTH FACE	DN	DOWN	GYP	GYPSUM	MOT	MOTOR	R/W	RIGHT-OF-WAY		
BFD	BACKFLOW PREVENTION DEVICE	DR	DRAIN	HB	HOSE BIBB	MP	MILEPOST	RPBD	REDUCED PRESSURE BACKFLOW	V	VENT / VOLT
BFILL	BACKFILL	DS	DIGESTER SLUDGE	HC	HOLLOW CORE	MSL	MEAN SEAL LEVEL	RPC	PREVENTION DEVICE	VAC	VACUUM
BFV	BUTTERFLY VALVE	DWG	DRAWING	HDPE	HIGH DENSITY POLYETHYLENE	MTD	MOUNTED	RPM	RED PLASTIC CAP	VB	VACUUM BREAKER
BHP	BRAKE HORSEPOWER	DWL	DOWEL	HDR	HEADER	NA	NOT APPLICABLE	RR	REVOLUTIONS PER MINUTE	VBOX	VALVE BOX
BKGD	BACKGROUND	DWV	DRAIN WASTE AND VENT	HGR	HANGER	NAV88	NORTH AMERICAN VERTICAL DATUM OF 1988	RS	RAILROAD	VC	VERTICAL CURVE
BLDG	BUILDING	DWY	DRIVEWAY	HGT	HEIGHT	NC	NORMALLY CLOSED	RST	RAW SEWAGE	VERT	VERTICAL
BLVD	BOULEVARD	E OR ELEC	ELECTRICAL	HH	HANDHOLD	NF	NEAR FACE	RT	REINFORCED STEEL	VFD	VARIABLE FREQUENCY DRIVE
BM	BENCHMARK / BEAM	EA	EACH	HM	HOLLOW METAL	NIC	NOT IN CONTRACT	O TO O	RIGHT	VOL	VOLUME
BMP	BEST MANAGEMENT PRACTICES	ECC	ECCENTRIC	HMAC	HOT MIX ASPHALT CONCRETE	NO / NO.	NORMALLY OPEN / NUMBER	OUT TO OUT	SLOPE	VCP	VITRIFIED CLAY PIPE
BO	BLOW-OFF	EFF	EFFLUENT	HNDRL	HANDRAIL	NOM	NOMINAL	ON CENTER	SALVAGE	VTR	VENT THROUGH ROOF
BOC	BACK OF CURB	EL	ELEVATION	HOA	HAND-OFF-AUTO	NORM	NORMAL	ODOT	SCREENINGS	W1	POTABLE WATER
BS	BOTH SIDES	ELB	ELBOW	HOR	HAND-OFF-REMOTE / HORIZONTAL	NRS	NON-RISING STEM	OD	SD	W2	NON-POTABLE WATER
BSMT	BASEMENT	ENCL	ENCLOSURE	HP	HIGH PRESSURE / HORSEPOWER	NTS	NOT TO SCALE	OUTSIDE DIAMETER	STORM DRAIN	W/	WITH
BTF	BOTTOM FACE	EOP	EDGE OF PAVEMENT	HPG	HIGH PRESSURE GAS	(P)	PROPOSED / NEW	ODOT	STORM DRAIN INLET	W/IN	WITHIN
BTU	BRITISH THERMAL UNIT	EP	EDGE OF PAVEMENT	HPT	HIGH POINT	P&ID	PROCESS & INSTRUMENTATION	OF	SADDLE	WF	WITHOUT
BV	BALL VALVE	EQ	EQUAL	HR	HOUR	PA	DIAGRAM	SDLAT	STORM DRAIN LATERAL	WH	WALL TO WALL
BW	BOTH WAYS	EQL SP	EQUALLY SPACED	HSB	HIGH STRENGTH BOLT	PC	PROCESS AIR	SDR	STORM DRAIN	W/W	WASTE ACTIVATED SLUDGE
C	Celsius	EQUIP	EQUIPMENT	HSA	HIGH STRENGTH BOLT	PCC	POINT OF CURVE	SDI	STORM DRAIN INLET	WAS	WOOD
C TO C	CENTER TO CENTER	ESMT	EASEMENT	HST	HOSE VALVE	PCVC	POINT OF COMPOUND CURVE	SDL	SADDLE	WD	WIDE FLANGE
CAK	BIOSOLIDS CAKE	EW	EACH WAY	HVAC	HEATING, VENTILATION, AIR	PE	POINT OF CURVATURE ON	SDLAT	STORM DRAIN LATERAL	WF	WATER HEATER
CARV	COMBINATION AIR RELEASE VALVE	EXC	EXCAVATE	HW	CONDITIONING	PERF	PRIMARY EFFLUENT	SDR	STANDARD DIMENSION RATIO	WI	WROUGHT IRON
CAS	CAUSTIC SODA	(E), EXIST	EXISTING	HWL	HOT WATER	PERM	PERFORATED	SECT	SECTION	WM	WATER METER
CATV	CABLE TELEVISION	EXP	EXPANSION	HWL	HIGH WATER LINE	PERP	PERMANENT	SHLDR	SHOULDER	WP	WORKING POINT / WATERPROOFING
CB	CATCH BASIN	EXP BT	EXPANSION BOLT	HWY	HIGHWAY	PI	PERPENDICULAR	SHT	SHEET	WS	WATER SERVICE
CCP	CAST IN PLACE CONCRETE	EXP JT	EXPANSION JOINT	HYD	HYDRANT	PEX	CROSS-LINKED POLYETHYLENE	SIM	SIMILAR	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
CCW	CAST IRON SOIL PIPE	EXT	EXTERIOR	HYDR	HYDRAULIC	PG	PRESSURE GAUGE	SL	SLUDGE	WEIGHT	WEIGHT
CFM	CAST IRON	F	FAHRENHEIT	I&C	INSTRUMENTATION & CONTROL	PA	PROCESS AIR	SLP	DIGESTED SLUDGE	WTP	WATER TREATMENT PLANT
CFS	CEILING	F TO F	FACE TO FACE	ID	INSIDE DIAMETER	PC	POINT OF CURVE	SLV	SLEEVE	WTR	WATER
CHAN	CHANNEL	FAB	FABRICATE	IE	INVERT ELEVATION	PCC	POINT OF COMPOUND CURVE	SOLN	SOLUTION	WTRT	WATERTIGHT
CHEM	CHEMICAL	FB	FLAT BAR	IF	INSIDE FACE	PCVC	POINT OF CURVATURE ON	SP	SOIL PIPE / SEWER PIPE	WWF	WELDED WIRE FABRIC
CHFR	CHAMFER	FCA	FLANGED COUPLING ADAPTER	IMPVT	IMPROVEMENT	PE	PRIMARY CURVE	SPCL	SPECIAL	WWTF	WASTEWATER TREATMENT FACILITY
CHKV	CHECK VALVE	FCO	FLOOR CLEANOUT	IN	INCH	PERF	PRIMARY EFFLUENT	SPEC(S)	SPECIFICATION(S)	WWTP	WASTEWATER TREATMENT PLANT
CI	CAST IRON	FD	FLOOR DRAIN	INCC	INCLUDE(D)(ING)	PERM	PERFORATED	SPG	SPACING	X SECT	CROSS SECTION
CIP	CAST IRON PIPE	FDN	FOUNDATION	INFL	INFLUENT	PERP	PERMANENT	SPL	SPool	XFMR	TRANSFORMER
CIPC	CAST IN PLACE CONCRETE	FE	FINAL EFFLUENT	INJ	INJECTION	PEX	PERPENDICULAR	SPRT	SUPPORT		
CISP	CAST IRON SOIL PIPE	FEXT	FIRE EXTINGUISHER	INSTL	INSTALLATION / INSTALL	PG	CROSS-LINKED POLYETHYLENE	SQ	SQUARE		
CJ	CONSTRUCTION JOINT	FF	FAR FACE	INSUL	INSULATION	PH	PRESSURE GAUGE	SQ FT	SQUARE FOOT		
CL OR C/L	CENTER LINE	FG	FINISH GRADE	INTER	INTERCEPTOR	PI	PIPE HANGER	SQ IN	SQUARE INCH	YD	YARD DRAIN / YARD
CL2	CHLORINE	FIN	FINISH(ED)	INTR	INTERIOR	PIVC	PRIMARY INFLUENT	SQ YD	SQUARE YARD	YH	YARD HYDRANT
CLG	CEILING	FIPT	FEMALE IRON PIPE THREAD	INV	INVERT	PK					

POPULATION	CURRENT	YEAR 2045		
INFLUENT FLOWS				
AVERAGE DRY WEATHER FLOW (ADWF)	0.9 MGD	1.1 MGD		
ANNUAL AVERAGE FLOW (AAF)	1.5 MGD	1.9 MGD		
AVERAGE WET WEATHER FLOW (AWWF)	2.2 MGD	2.6 MGD		
MAX MONTH DRY WEATHER FLOW (MMDWF)	2.6 MGD	3.1 MGD		
MAX MONTH WET WEATHER FLOW (MMWWF)	3.6 MGD	4.3 MGD		
MAX DAY WET WEATHER FLOW (MDWWF)	7.8 MGD	9.4 MGD		
PEAK INSTANTANEOUS FLOW (PIF)	11.8 MGD	12.4 MGD		
INFLUENT LOADS	CURRENT	YEAR 2045		
CBOD				
ANNUAL AVERAGE	1,200 LB/DAY	1,400 LB/DAY		
MAX MONTH DRY	1,700 LB/DAY	2,000 LB/DAY		
MAX MONTH WET	1,800 LB/DAY	2,100 LB/DAY		
TSS				
ANNUAL AVERAGE	1,700 LB/DAY	2,000 LB/DAY		
MAX MONTH DRY	2,600 LB/DAY	3,000 LB/DAY		
MAX MONTH WET	2,900 LB/DAY	3,400 LB/DAY		
NPDES PERMIT LIMITS				
	AVERAGE EFFLUENT			
MAY 1 - OCT 31	MONTHLY	WEEKLY		
CBOD5 <	mg/L	LB/D	mg/L	LB/D
TSS <	10	120	15	180
TOTAL AMMONIA-NITROGEN <	10	120	15	180
pH	5.1	6.3-9		11
NOV 1 - APRIL 30				6.3-9
CBOD5 <	15	290	23	460
TSS <	20	350	30	520
TOTAL AMMONIA-NITROGEN <	5.1	6.3-9		11
pH	6.3-9			
SLUDGE BLEND TANK				
SIZE				
TOTAL VOLUME		99,300 GAL		
WORKING VOLUME		93,300 GAL		
SLUDGE BLEND TANK MIXING SYSTEM				
JET ASPIRATOR PUMP				
PUMP TYPE				
NUMBER		2		
HP		5		
CHOPPER PUMP				
ROTARY LOBE				
2 (1 DUTY; 1 SHELF SPARE)		VFD		
CONTROL		2		
HP (EACH)		45 GPM @ 10' TDH		
DESIGN POINT (ONE PUMP)				
BLENDED SLUDGE PUMPS				
HIGH FLOW				
PUMP TYPE				
NUMBER		2		
CONTROL		70 CF/HR, EA		
HP (EACH)		PER MECHANICAL PLANS		
DESIGN POINT (ONE PUMP)				
HORIZONTAL CONVEYOR				
CONVEYOR TYPE		SHAFTLESS SCREW		
NUMBER		2		
CAPACITY				
DIMENSIONS				



REVISION	NOTICE
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1	
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DATE	BY

WJS
DESIGNED
SMB
DRAWN
PLVM
CHECKED

EXPIRES: 6/30/2024

REGISTERED PROFESSIONAL
ENGINER
STATE OF OREGON
Preston Van Meter
02/16/15PE

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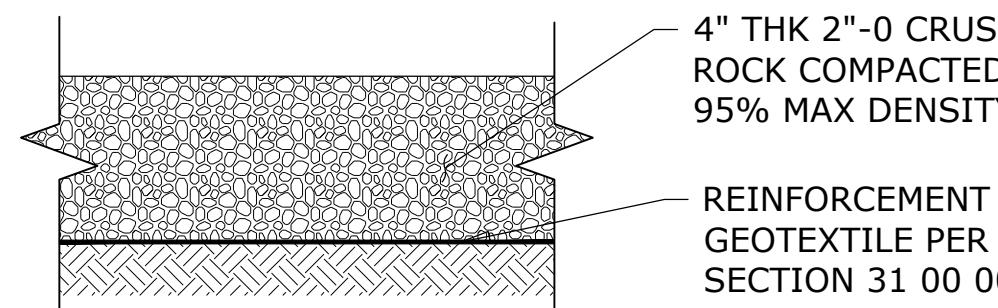


MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

DESIGN CRITERIA, SOLIDS PROCESS
SCHEMATIC DIAGRAM

PROJECT NO.: 936-50-21-09 | SCALE: NO SCALE | DATE: February 2023

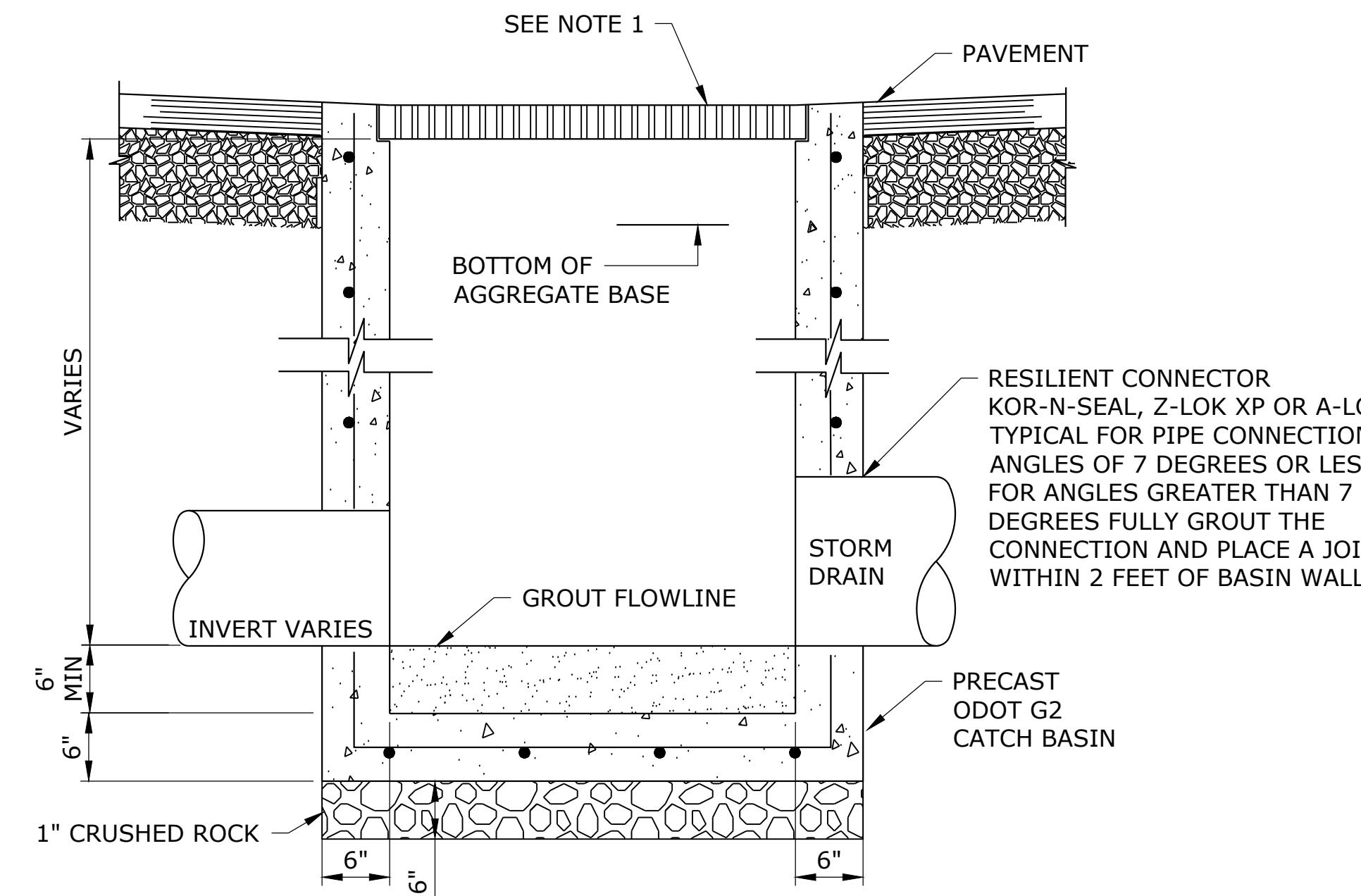
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G-005
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GRAVEL SECTION

SCALE: NTS

1



AC PAVEMENT SECTION

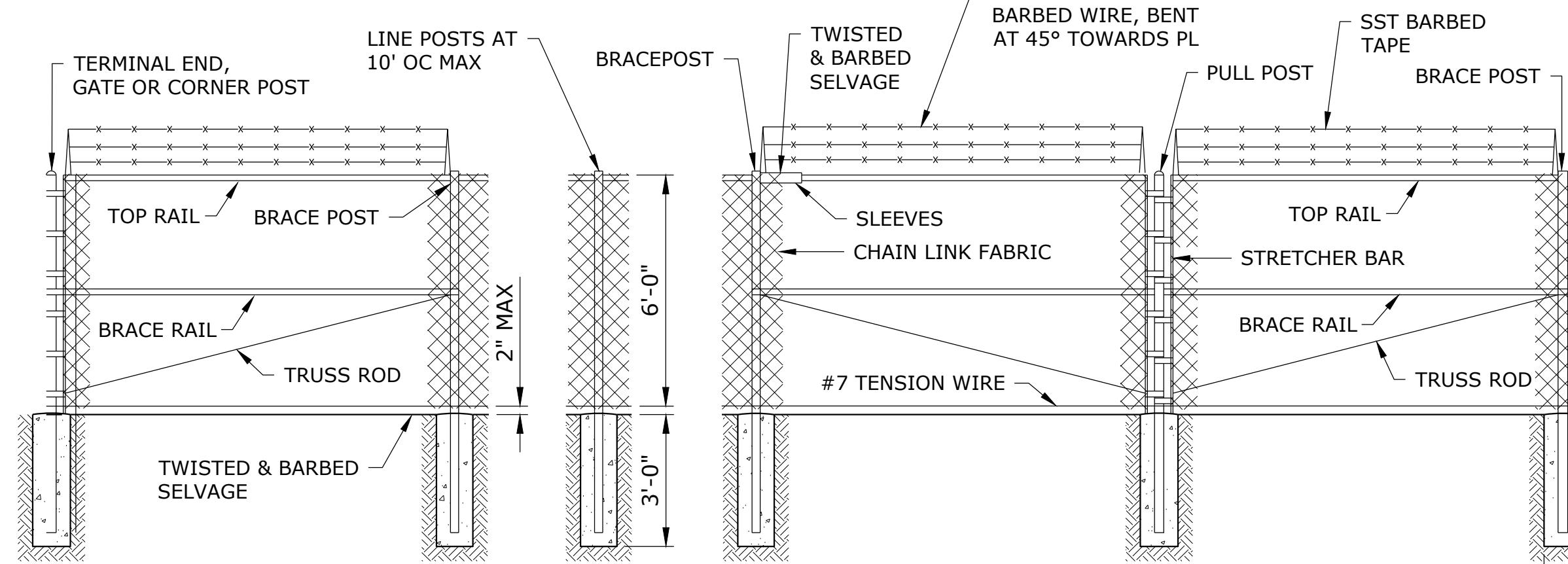
SCALE: NTS

2

CATCH BASIN / DRAIN INLET

SCALE: NTS

3



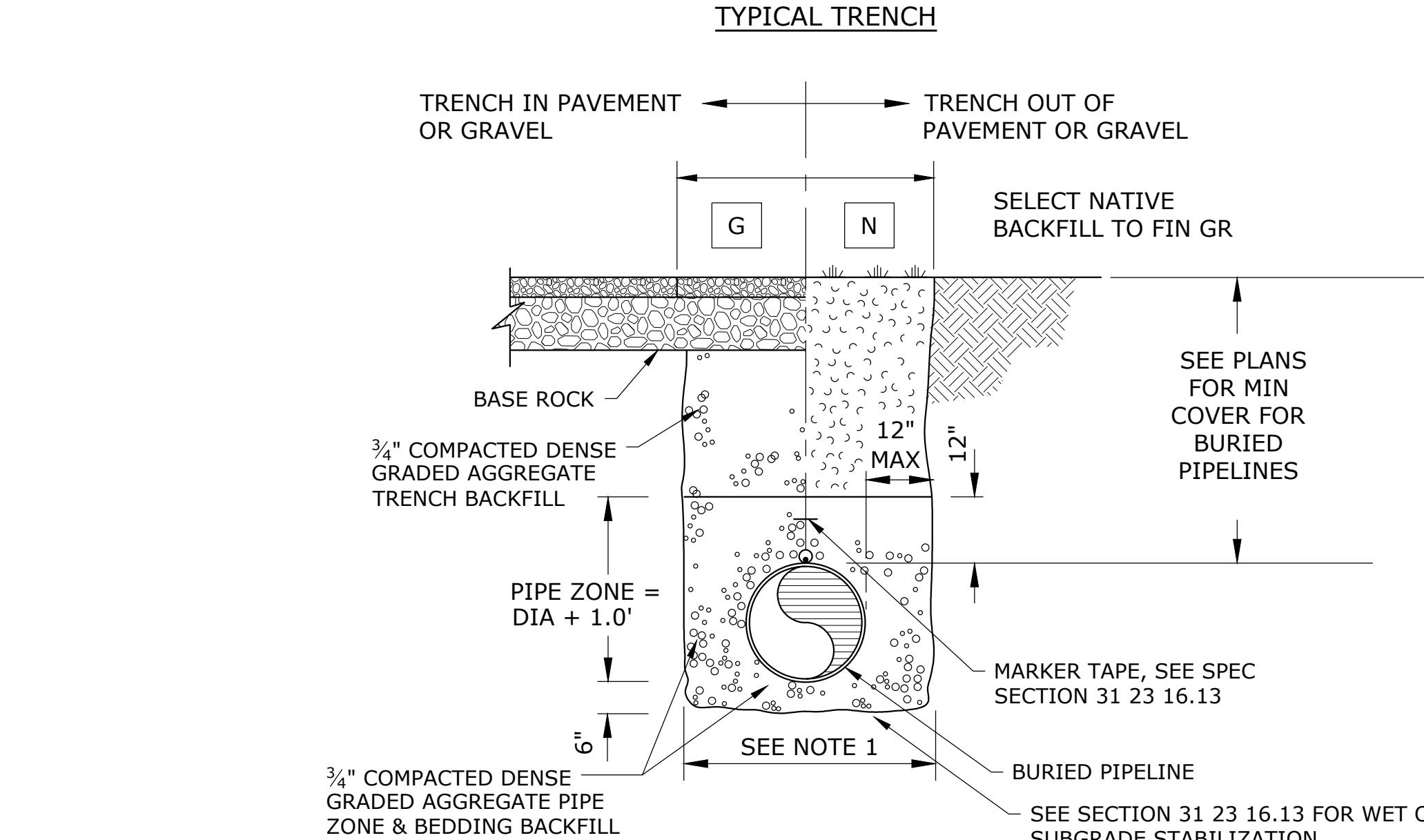
NOTE:

1. LAYOUT AND INSTALL FENCE POSTS TO MAINTAIN MAXIMUM 2" SPACE BETWEEN BOTTOM OF FENCE AND GROUND SURFACE.

CHAIN LINK FENCE DETAIL

SCALE: NTS

4



SYMBOL BACKFILL REQUIREMENTS

G FURNISH & INSTALL CRUSHED ROCK BEDDING & PIPE ZONE & CRUSHED ROCK TRENCH BACKFILL AS SHOWN ON PLANS, TO DRIVEWAY BASE. COMPACT MATERIAL IN LIFTS TO ACHIEVE 90% OF MAX DENSITY IN ACCORDANCE W/ AASHTO T-99.

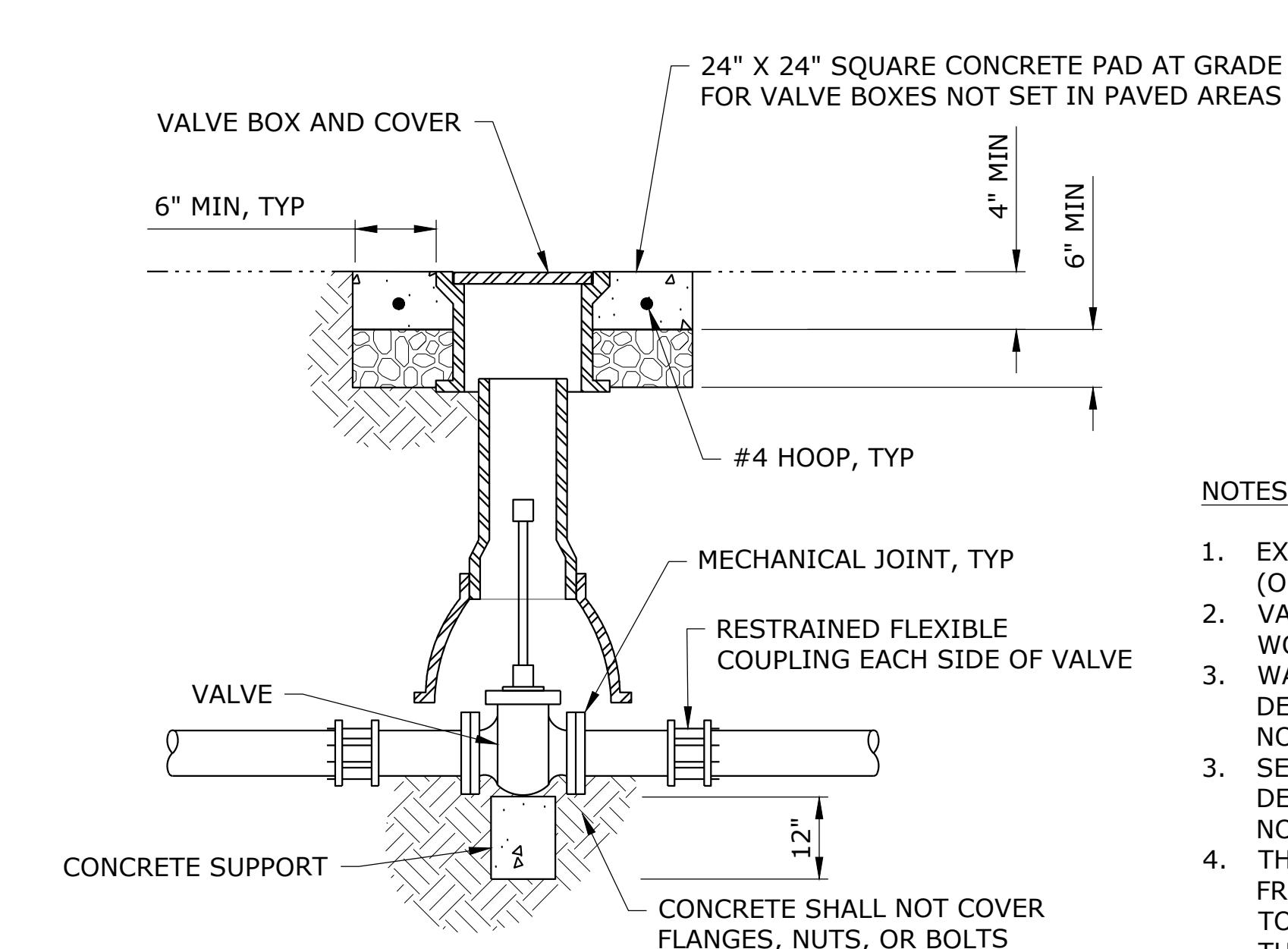
N FURNISH & INSTALL CRUSHED ROCK BEDDING & PIPE ZONE BACKFILL COMPAKTED TO 90% OF MAX DENSITY PER AASHTO T-99. FURNISH & INSTALL NATIVE TRENCH BACKFILL. REPLACE TOPSOIL & BACKFILL W/ NATIVE MATERIAL. FINISH TRENCH SURFACE TO MATCH ORIGINAL CONTOURS.

NOTE:
1. TRENCH WIDTH FOR PIPES 24" IN DIA OR GREATER=DIA+24". FOR PIPES LESS THAN 24" IN DIA, TRENCH WIDTH SHALL BE DIA+18".

PIPE TRENCH DETAIL

SCALE: NTS

5



NOTES:

1. EXTENSIONS SHALL BE 6" ASTM D3034 SDR PVC PIPE (ONE PIECE).
2. VALVE BOX SHALL BE U.S. FILTER/PACIFIC WATER WORKS NO. 910 OR EQUAL.
3. WATER MAIN VALVE LIDS SHALL INCLUDE "W" IN THE DESIGN. FOR WATER VALVES PROVIDE VALVE BOX MODEL NO. IVB910WTR, OR EQUAL.
3. SEWER VALVE LIDS SHALL BE SHALL INCLUDE "S" IN THE DESIGN. FOR SEWER VALVES PROVIDE VALVE BOX MODEL NO. IVB910SWR, OR EQUAL.
4. THE OPERATOR NUT SHALL HAVE A DEPTH FROM 18"-36" FROM FINISH GRADE TO THE OPERATOR NUT. IF DEPTH TO NUT IS GREATER THAN 6 FEET A CENTERING RING ON THE EXTENSION MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.
5. PROVIDE VC-212 VALVE CENTERING DEVICE.

TYPICAL BURIED VALVE

SCALE: NTS

6

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BVB DESIGNED LBK DRAWN PLVM CHECKED	
REGISTERED PROFESSIONAL BROKES, VICTORIA, B.C. NOV 14, 2017 OREGON	
EXPIRES : 12/31/2023	

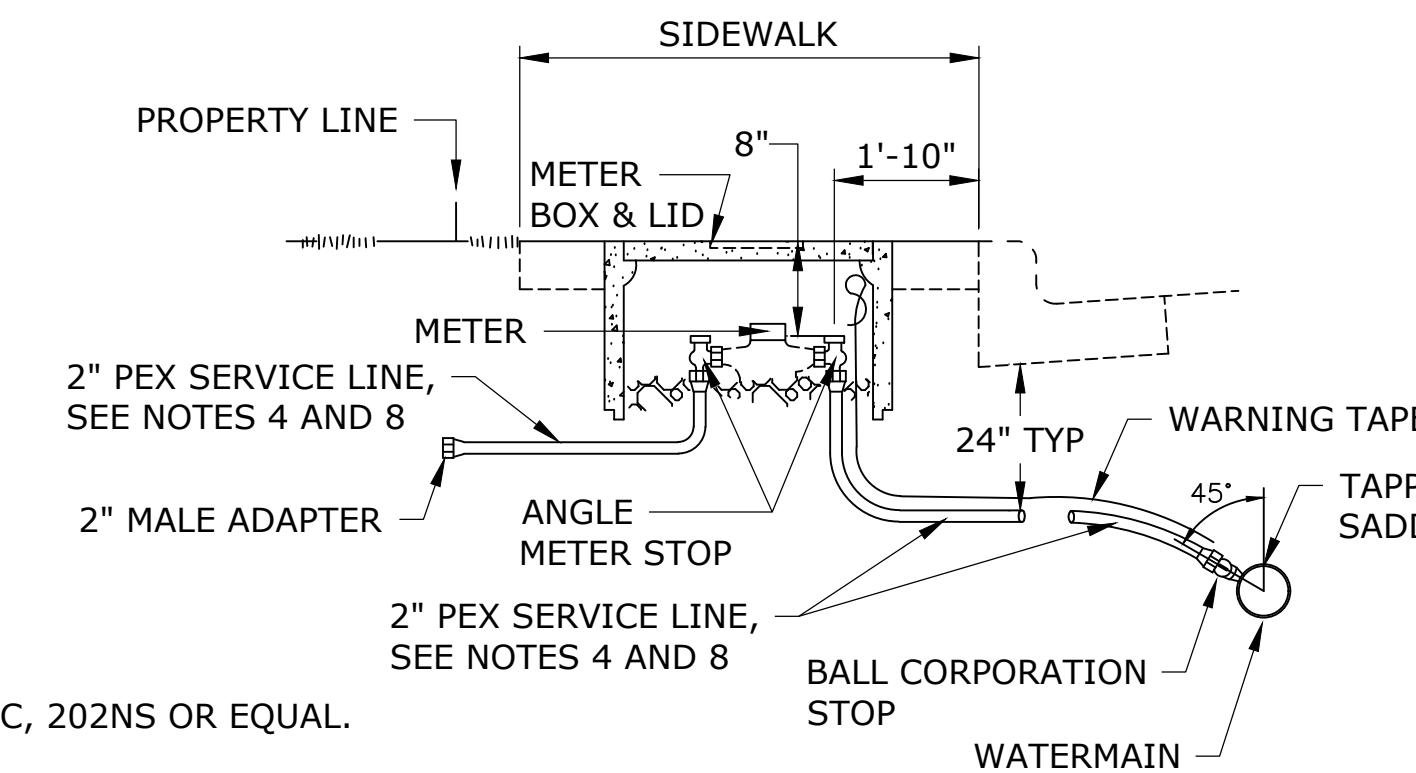
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MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
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CIVIL DETAILS 1		
PROJECT NO.: 936-50-21-09	SCALE:	AS SHOWN
DATE:	FEBRUARY 2023	

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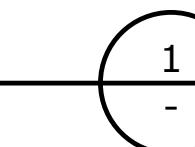


NOTES:
 1. TAPPING SADDLE SHALL BE ROMAC, 202NS OR EQUAL.
 2. 2" BALL CORPORATION STOP SHALL BE FB1100-7-NL

- FOR 2" SERVICE PROVIDE LOCKING WING LEAD FREE FORD METER CURB STOP WITH METER SWIVEL NUT, FORD 2" LEAD FREE ANGLE METER COUPLING WITH METER SWIVEL NUT.
- WATER SERVICE LINE SHALL BE 2" AWWA C904-06 CROSS-LINKED POLYETHYLENE (PEX) BLUE WATER SERVICE LINE, SDR 9, CTS MUNICIPEX (PEXA) BY REHAU, OR EQUAL.
- PROVIDE DFW 13"24"X12" GRAY "WIDE BODY" METER BOX BODY POLYMER H20 RATED DFW1324C4-12-BODY, WITH DFW 13"24" GRAY SOLID METER BOX COVER WITH MAGNET POLYMER DFW1324SL-4MA2-NHK-LID.
- BACKFILL IN METER BOX SHALL BE 3/4"-0 CRUSHED ROCK. MINIMUM THICKNESS SHALL BE 2" BELOW THE BASE OF THE METER BOX.
- PROVIDE AND INSTALL KAMSTRUP FLOWIQ 3101 -2"-160 GPM LEAD FREE METER.
- ATTACH COPPERHEAD IND. 12 AWG SUPERFLEX TRACER WIRE TO THE PEX SERVICE LINE WITH ZIP-TIES, AT 10 FOOT INTERVALS, AND BE ROUTED INTO THE METER BOX WITH A MINIMUM OF 12" EXTENDED AND COILED. TRACER WIRE CONNECTION JUNCTIONS SHALL BE COPPERHEAD IND. BLUE SNAKEBITE LOCKING CONNECTORS.
- INCLUDE COMPRESSION JOINT FITTINGS, WITH STAINLESS STEEL INSERT-STIFFENERS FORD INSERT 53-72-Q OR EQUAL.

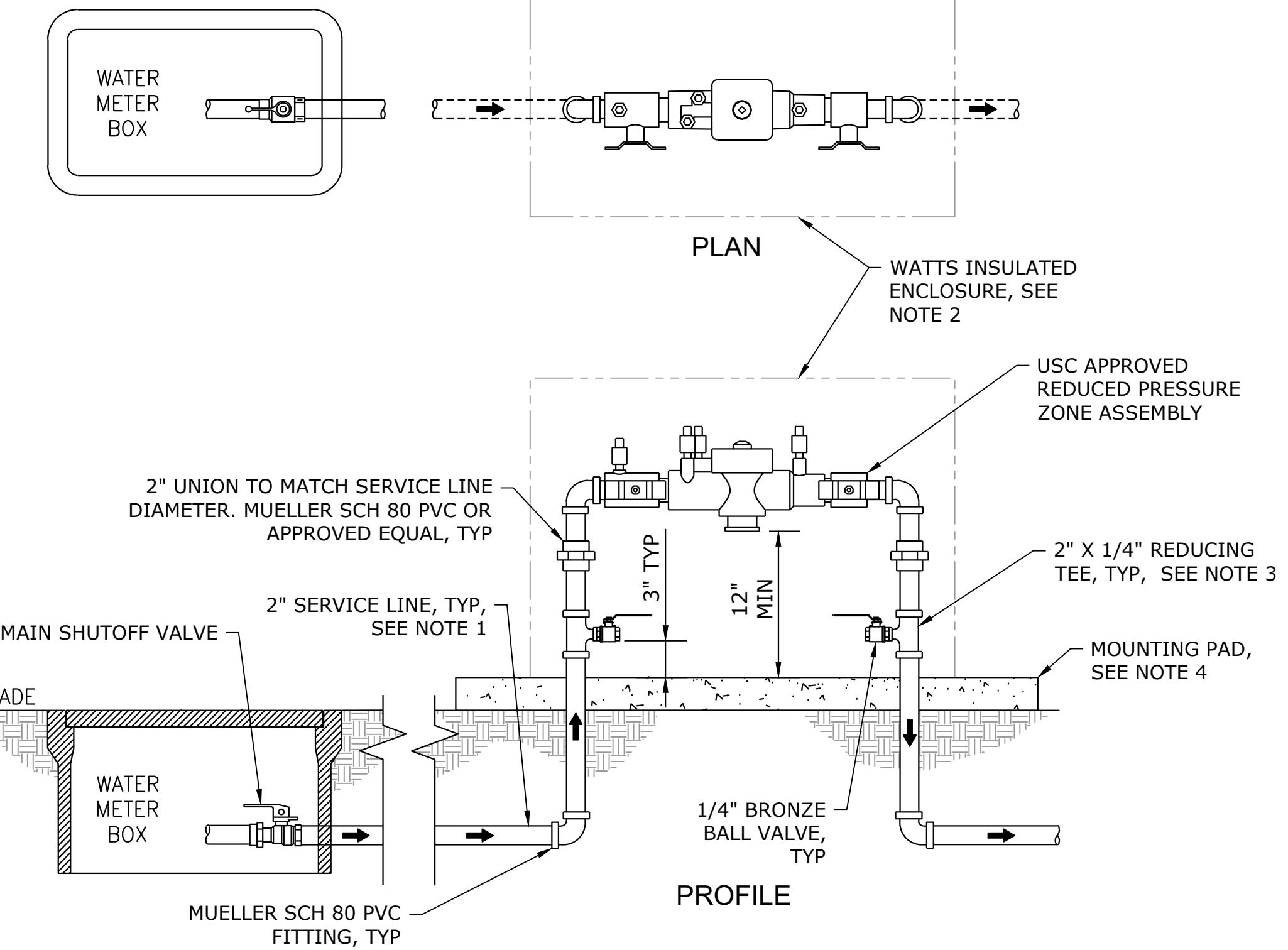
2" WATER SERVICE

SCALE: NTS



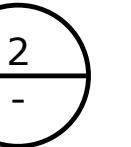
NOTES:

- SERVICE LINE SHALL BE SCH 40 PVC PIPE W/SCH 80 PVC FITTINGS.
- UNHEATED, INSULATED ENCLOSURE, USE WATTS WB SERIES. CONTRACTOR TO CONFIRM AND SUBMIT SIZE WITH REDUCED PRESSURE ZONE ASSEMBLY SUBMITTAL.
- THROUGH TEE DIAMETER TO MATCH SERVICE LINE DIAMETER.
- ANCHORAGE AND MOUNTING PAD DIMENSIONS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
- INSTALL BACKFLOW ASSEMBLY AS REQUIRED BY LOCAL CODES AND THE OREGON HEALTH AUTHORITY. VERIFY CODES AND REQUIREMENTS PRIOR TO INSTALLATION.



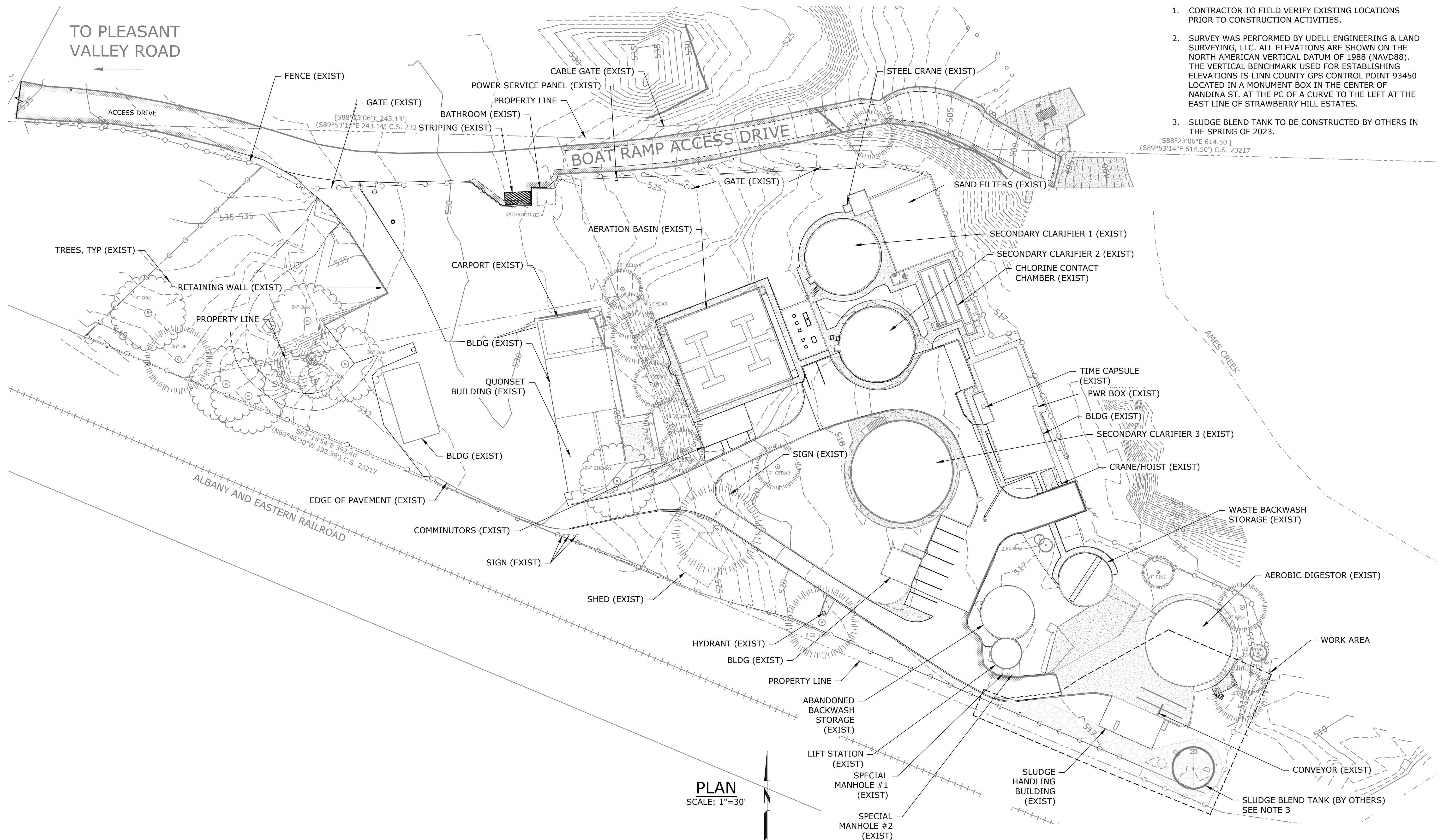
2" BACKFLOW ASSEMBLY

SCALE: NTS



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BVB DESIGNED LBK DRAWN PLVM CHECKED	 BRIAN J. BARRY REGISTERED PROFESSIONAL ENGINEER OREGON NO. 85993 EXPIRES: NOV 14, 2017 BROKE VICTORIA BARRY		
NO.	DATE	BY	REVISION

NOTICE	0 1		
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BVB DESIGNED LBK DRAWN PLVM CHECKED	 BRIAN J. BARRY REGISTERED PROFESSIONAL ENGINEER OREGON NO. 85993 EXPIRES: NOV 14, 2017 BROKE VICTORIA BARRY		
NO.	DATE	BY	REVISION



NO.	DATE	BY	REVISION

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Brooke Barry
REGISTERED PROFESSIONAL
ENGINEER
NO. 85931PE
OREGON
EXPIRES: 12/31/2023

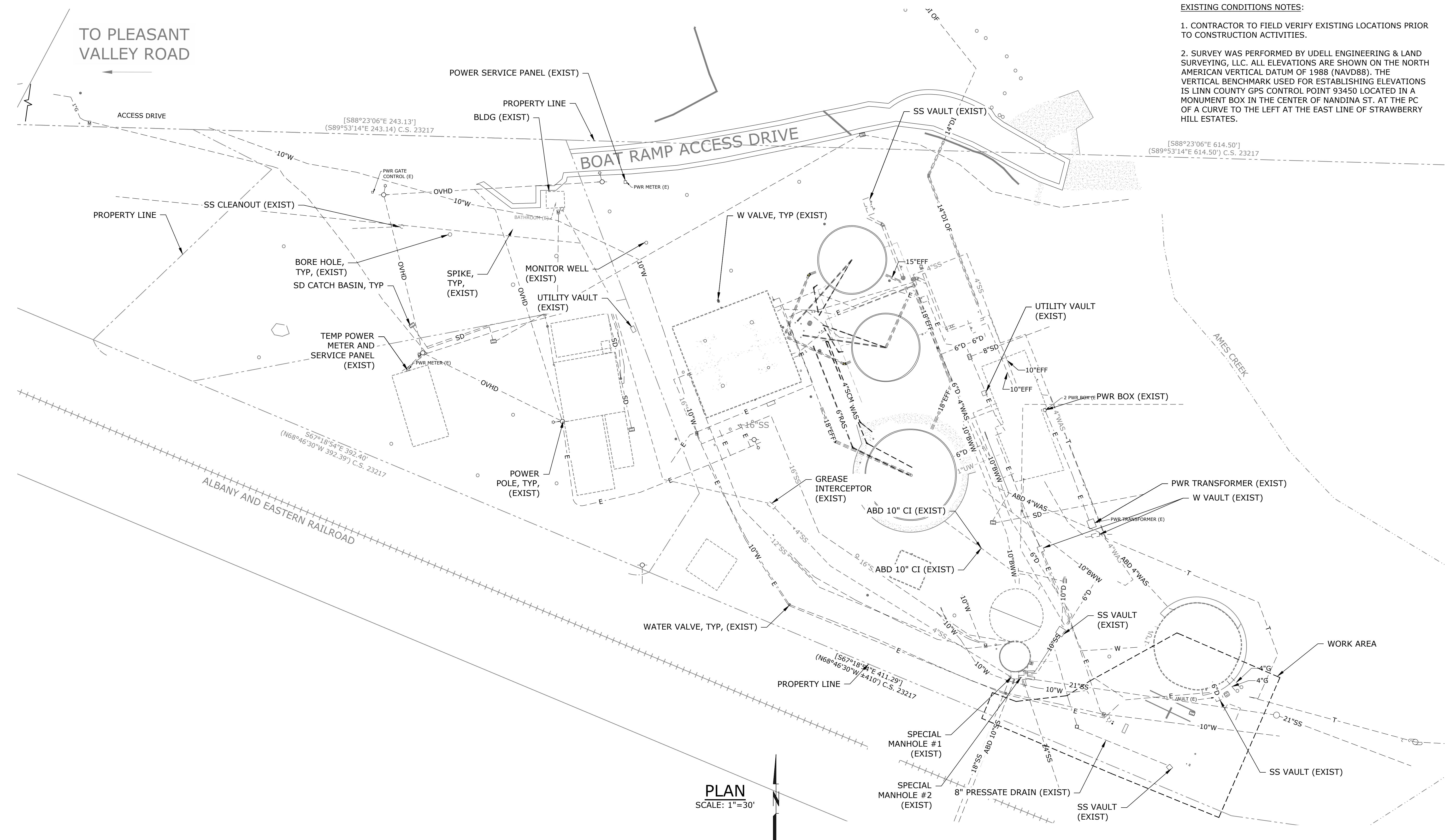
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MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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Brooke Barry

REGISTERED PROFESSIONAL
ENGINEER
BROOKE VICTORIA BARRY
EXPIRES: 12/31/2023

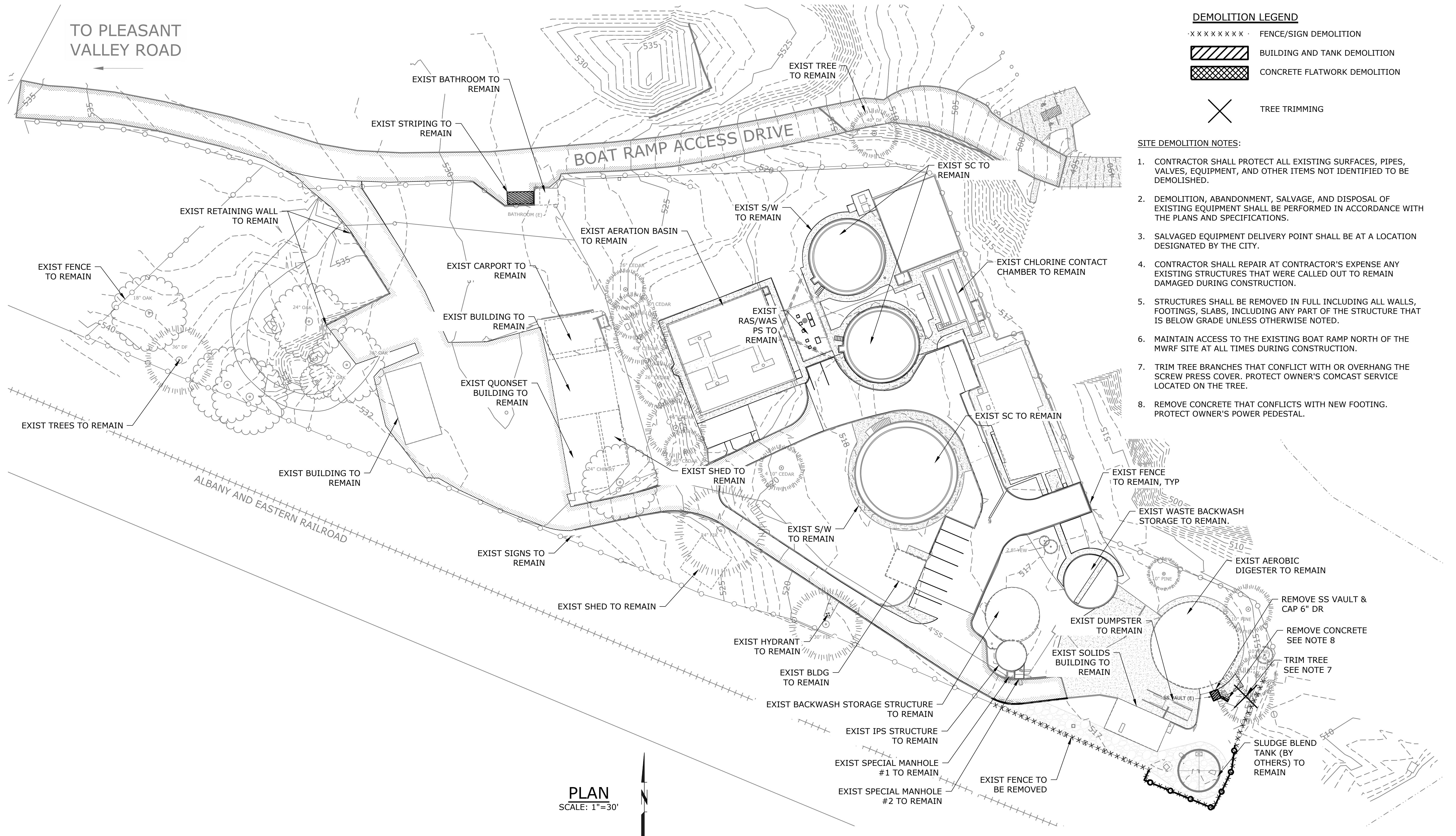
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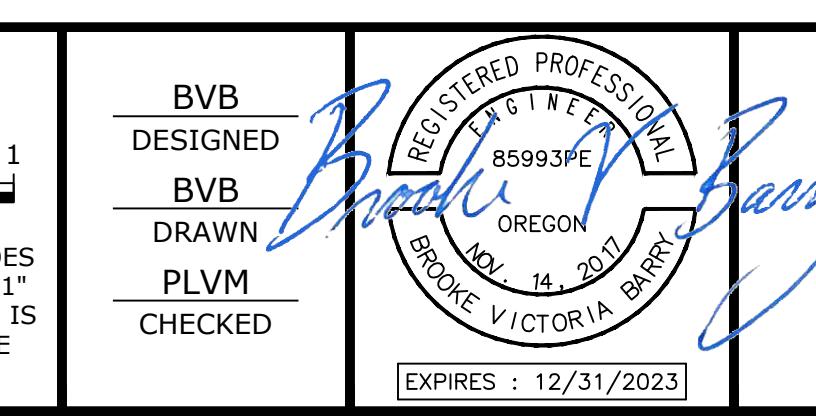
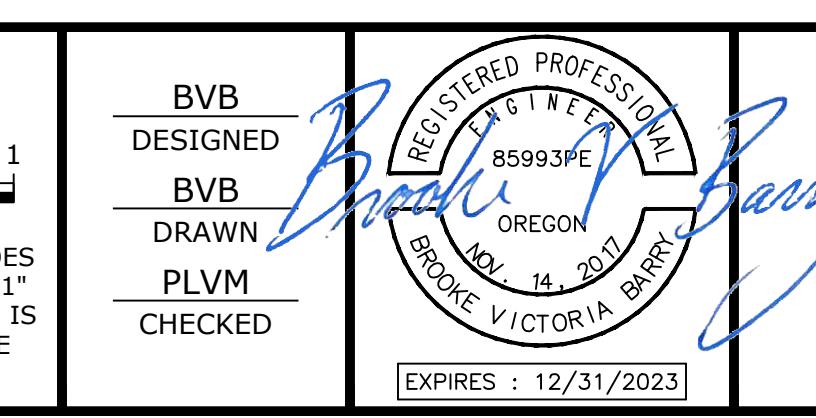
MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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NO.	DATE	BY	REVISION
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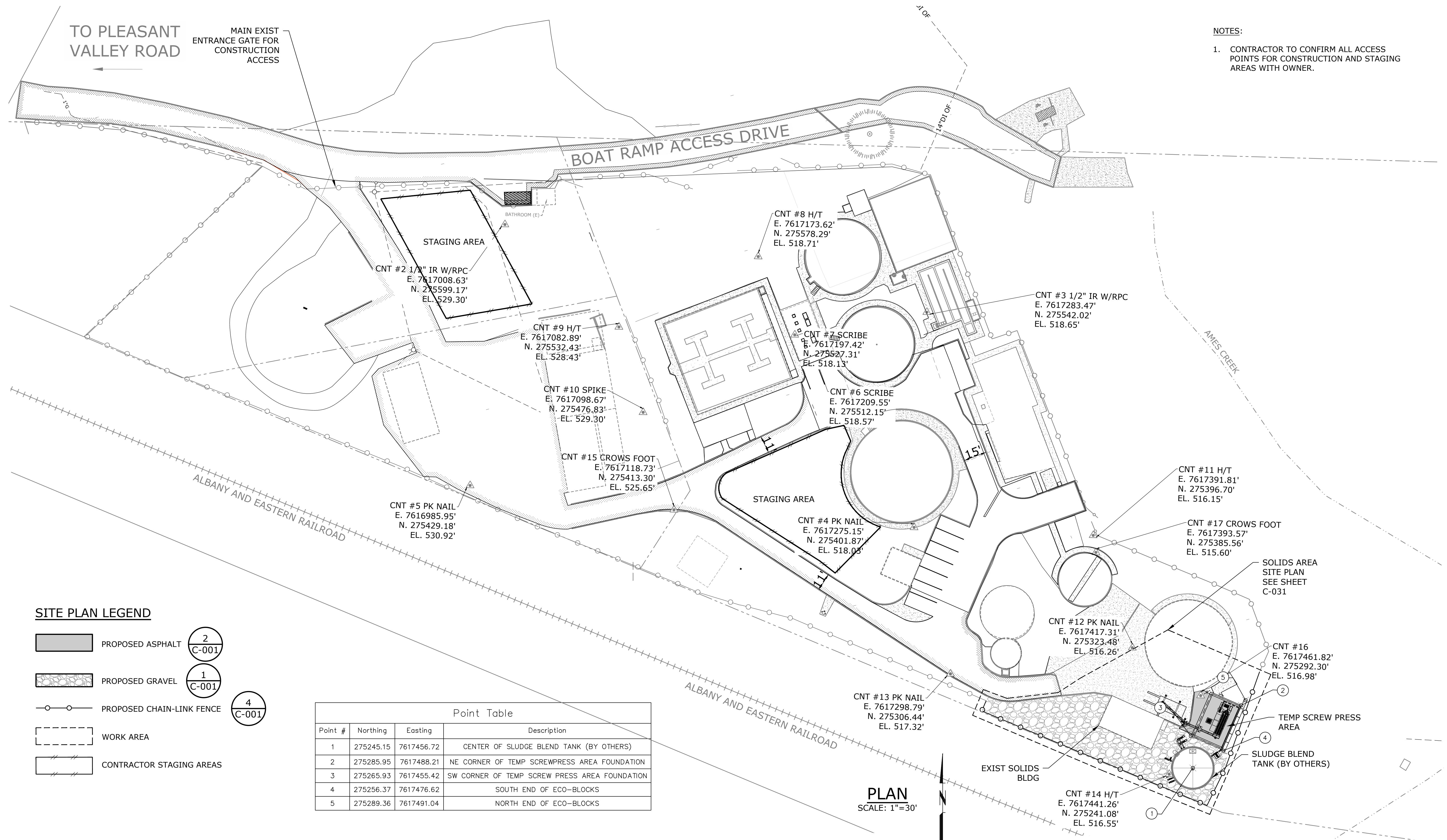
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REGISTERED PROFESSIONAL BROKES VICTORIA BARRY EXPIRES: 12/31/2023	

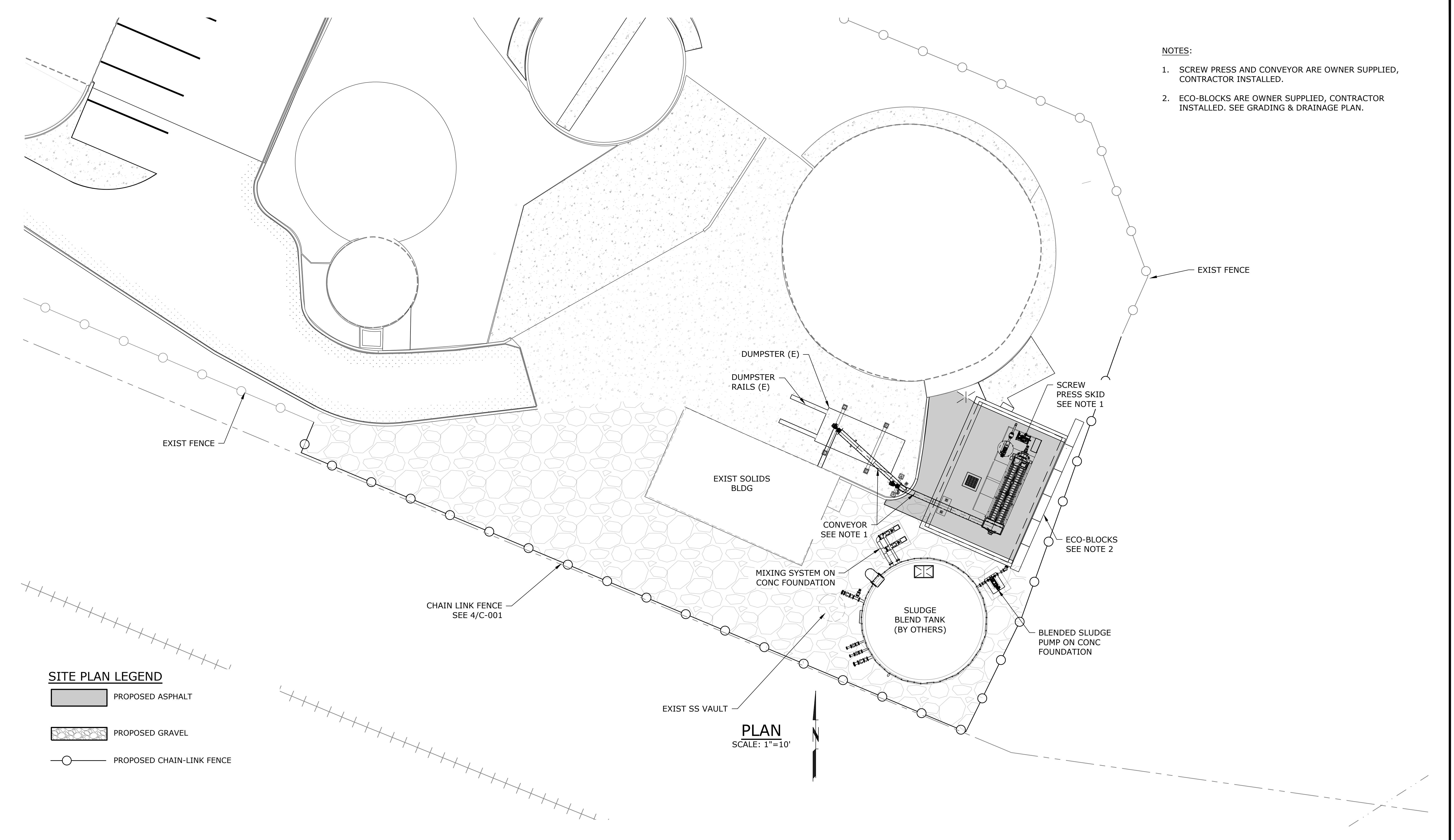
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SITE DEMOLITION PLAN





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EXPIRES : 12/31/2023

REGISTERED PROFESSIONAL
ENGINEER
STATE OF OREGON
LICENSE NO. 65993PP
EXPIRED NOV 14, 2023
VICTORIA BARRY

Brooks M. Barry

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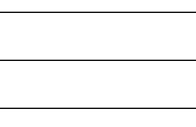
SOLIDS AREA SITE PLAN

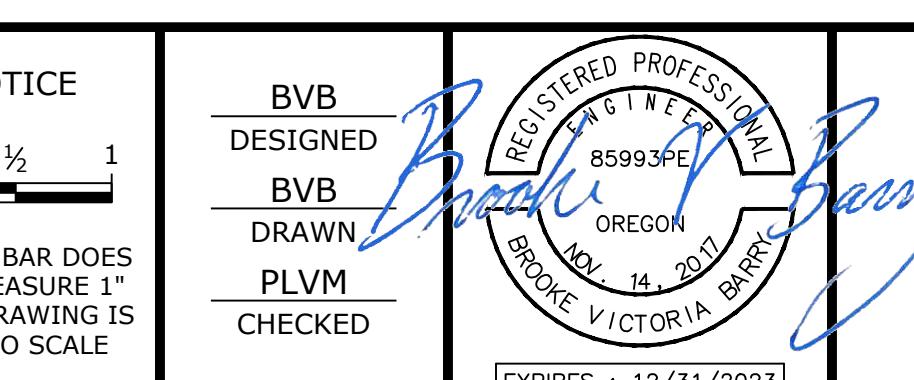
PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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EROSION CONTROL NOTES

- CONTRACTOR TO OBTAIN PERMITS FOR STORMWATER MANAGEMENT DURING CONSTRUCTION INCLUDING 1200C STORMWATER DISCHARGE PERMIT.
- SWEEP STREETS AS NEEDED OR WHEN DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
- PRIOR TO ANY GROUND DISTURBANCE ON THE SITE, ALL NECESSARY APPROVALS SHALL BE OBTAINED.
- ISSUANCE OF AN EROSION PREVENTION PERMIT APPROVES PROTECTION MEASURES, NOT CONSTRUCTION OR GROUND DISTURBING ACTIVITIES. IT DOES NOT RELIEVE THE CONTRACTOR FROM OTHER PERMITTING REQUIREMENTS. OTHER PERMITS MAY BE REQUIRED.
- CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER NATURAL RESOURCE PROTECTION FENCING AND BARRIERS, SHOWN ON THE EROSION CONTROL PLAN (ECP) ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, MEASURES SHALL BE UPGRADED, AS NEEDED OR AS DIRECTED BY THE CITY OR ENGINEER.
- CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF EROSION AND SEDIMENT CONTROL MEASURES AND PROTECTION FENCING IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED.
- BOUNDARIES OF THE CLEARING AND GRADING LIMITS SHALL BE WITHIN THE SEDIMENT FENCED AREA AND SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING AND GRADING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION. IN ADDITION, WETLAND AND RIPARIAN AREAS SHALL BE IDENTIFIED AND PROTECTED WITH APPROPRIATE FENCING PRIOR TO CONSTRUCTION AND SHALL NOT BE DISTURBED UNLESS THE PROPER PERMITS ARE OBTAINED.
- EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER WATERWAYS, THE STORMWATER SYSTEM, ROADWAYS, ADJACENT PROPERTY OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. WHEN DESIGNING AND IMPLEMENTING MEASURES, THE CONTRACTOR SHALL CONSIDER THE SEASONAL VARIATION OF RAINFALL, TEMPERATURE, AND OTHER CLIMATIC FACTORS RELATIVE TO THE TIMING OF LAND DISTURBANCE ACTIVITIES.
- EROSION AND SEDIMENT CONTROL MEASURES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED DAILY AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD. ANY REQUIRED REPAIRS OR ADJUSTMENTS SHALL BE MADE IMMEDIATELY. THE EROSION AND SEDIMENT CONTROL MEASURES ON INACTIVE SITES SHALL BE INSPECTED A MINIMUM OF ONCE EVERY MONTH AND/OR WITHIN 48 HOURS FOLLOWING STORM EVENTS. ADDITIONALLY, SITES COVERED UNDER DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) PERMITS (1200-C, 1200-CN) MUST COMPLY WITH THOSE PERMIT MONITORING AND RECORD-KEEPING REQUIREMENTS.
- DURING THE WET WEATHER SEASON (OCTOBER 15 TO APRIL 30), ALL EXPOSED SOIL AND STOCKPILE AREAS SHALL BE COVERED, OR OTHERWISE PROTECTED BY A FACILITY (OR COMBINATION OF FACILITIES) THAT RESULT IN NO STORMWATER RUNOFF LEAVING THE SITE DURING A 5-YEAR STORM EVENT.
- ALL ADJACENT PROPERTIES, WATER FEATURES, AND RELATED NATURAL RESOURCES ARE TO BE KEPT FREE OF DEPOSITS OR DISCHARGES OF SOIL, SEDIMENT OR CONSTRUCTION-RELATED MATERIAL FROM THE CONSTRUCTION SITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND THE SITE IS PERMANENTLY STABILIZED. ANY MEASURES THAT ARE DAMAGED OR DESTROYED SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- STABILIZE ALL DISTURBED AREAS WITHIN 50 FEET OF WATERWAYS, WETLANDS OR OTHER SENSITIVE AREAS WITHIN 7 DAYS OF EXPOSURE.
- STREETS ADJACENT TO CONSTRUCTION ENTRANCES AND ALONG HAUL ROUTES SHALL BE SWEEP AS NEEDED OR WHEN DIRECTED BY THE CITY TO ENSURE PUBLIC RIGHTS-OF-WAY ARE KEPT CLEAN AND FREE OF DEBRIS.
- WHEN TRUCKING SATURATED SOILS TO OR FROM THE SITE, WATER-TIGHT TRUCKS SHALL BE USED. SEDIMENT LADEN WATER WILL NOT BE ALLOWED TO ENTER THE STORMWATER SYSTEM.
- EXTRACTED GROUND WATER FROM EXCAVATED TRENCHES SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DISCHARGING SEDIMENT TO ADJACENT PROPERTIES, THE CITY'S STORMWATER SYSTEM, WATER FEATURES, OR RELATED NATURAL RESOURCES. DEWATERING SYSTEMS SHALL BE DESIGNED AND OPERATED SO AS TO PREVENT REMOVAL OF THE NATURAL SOILS AND SO THAT THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT THAT WOULD DAMAGE OR ENDANGER ADJACENT STRUCTURES OR PROPERTY. APPROVAL OF THE DEWATERING SYSTEM DOES NOT GUARANTEE THAT IT WILL MEET THE OUTCOMES OR BE ACCEPTABLE FOR USE IN ALL SITUATIONS. MODIFICATIONS TO THE SYSTEM WILL BE REQUIRED IF THE OUTCOMES CANNOT BE MET. AT NO TIME WILL SEDIMENT LADEN WATER BE ALLOWED TO LEAVE THE CONSTRUCTION SITE.

NOTICE	0  1		
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WEST YOST
Water. Engineered.



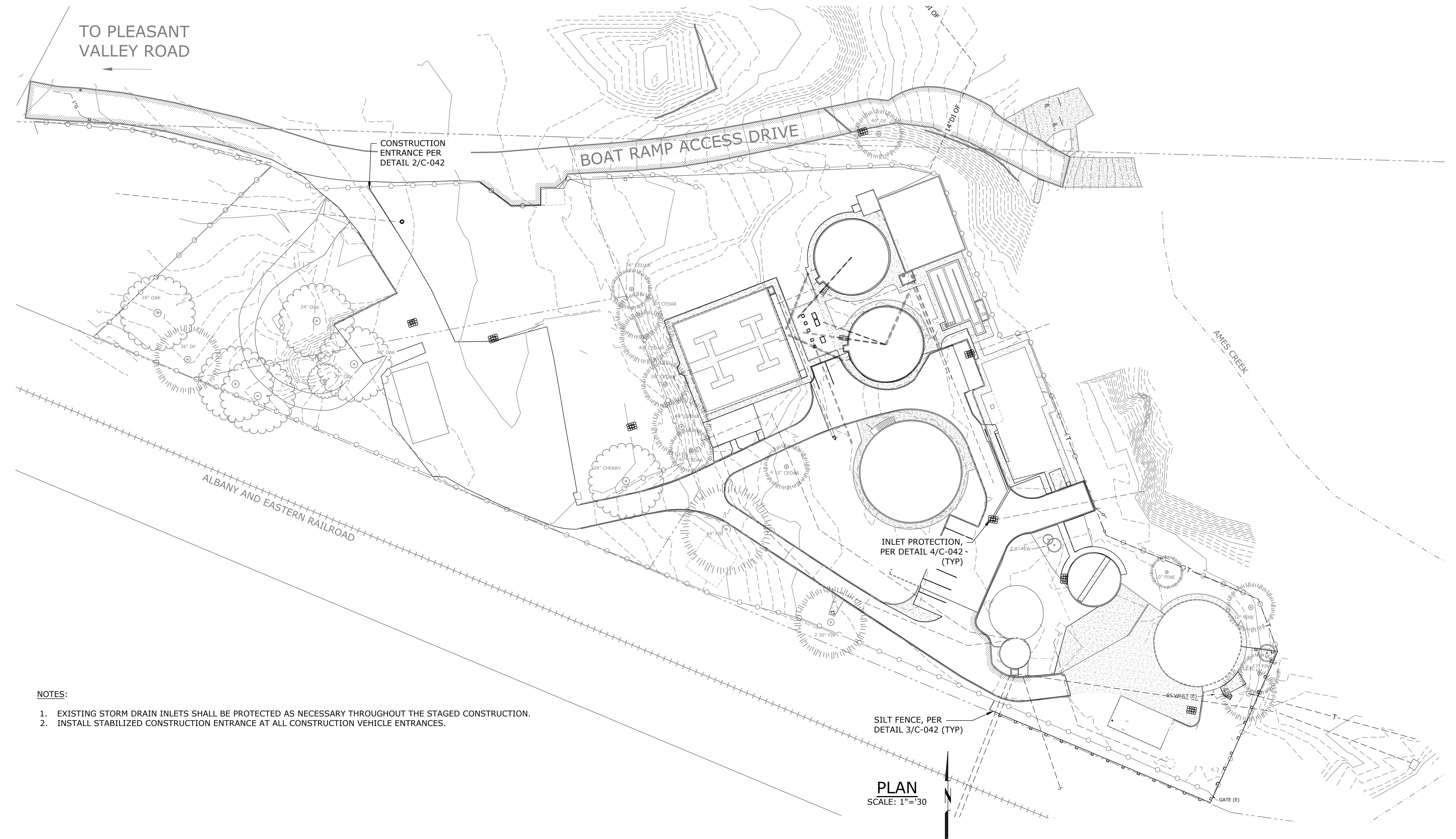
MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

EROSION CONTROL NOTES

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

VEHICLE AND EQUIPMENT CLEANING, FUELING AND MAINTENANCE NOTES

- THE CONTRACTOR SHALL PERFORM ALL CLEANING OFF SITE OR CONTRACT WITH EITHER AN OFFSITE OR MOBILE COMMERCIAL WASHING BUSINESS FOR ALL NECESSARY CLEANING.
- THE CONTRACTOR SHALL USE OFFSITE FUELING STATIONS AND REPAIR SITES AS MUCH AS POSSIBLE.
- THE CONTRACTOR SHALL DISCOURAGE "TOPPING OFF" OF FUEL TANKS.
- THE CONTRACTOR SHALL MAKE AVAILABLE ABSORBENT SPILL CLEANUP MATERIALS AND SPILL KITS IN FUELING AREAS AND ON FUELING TRUCKS.
- THE CONTRACTOR SHALL USE DRIP PANS OR ABSORBENT PADS DURING VEHICLE AND EQUIPMENT FUELING AND MAINTENANCE WORK THAT INVOLVES FLUIDS.
- THE CONTRACTOR SHALL USE ABSORBENT MATERIALS EVEN ON SMALL SPILLS. DO NOT HOSE DOWN OR BURY THE SPILL.
- THE CONTRACTOR SHALL REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.
- FUELING AND MAINTENANCE SHALL TAKE PLACE ONLY IN THE DESIGNATED AREA. THE CONTRACTOR SHALL AVOID MOBILE FUELING AND MAINTENANCE OF MOBILE CONSTRUCTION EQUIPMENT AROUND THE SITE; RATHER, TRANSPORT THE EQUIPMENT TO DESIGNATED AREA.
- THE CONTRACTOR SHALL TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER FUELING, MAINTENANCE, AND SPILL CLEANUP PROCEDURES.
- FUELING AND MAINTENANCE SHALL BE PERFORMED ON LEVEL-GRADE AREAS.
- THE CONTRACTOR SHALL PROTECT FUELING AND MAINTENANCE AREAS WITH APPROPRIATE BMPs.
- NOZZLES USED IN VEHICLE AND EQUIPMENT FUELING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF TO CONTROL DRIPS. FUELING OPERATIONS SHALL NOT BE LEFT UNATTENDED.
- THE CONTRACTOR SHALL OBSERVE FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR ANY STATIONARY ABOVE GROUND STORAGE TANKS.
- THE CONTRACTOR SHALL INSPECT ONSITE VEHICLES AND EQUIPMENT DAILY AT STARTUP FOR LEAKS, AND REPAIR IMMEDIATELY. KEEP VEHICLES AND EQUIPMENT CLEAN; DO NOT ALLOW EXCESSIVE BUILD UP OF OIL AND GREASE.
- THE CONTRACTOR SHALL SEGREGATE AND RECYCLE WASTES, SUCH AS GREASES, USED OIL OR OIL FILTERS, ANTIFREEZE CLEANING SOLUTIONS, AUTOMOTIVE BATTERIES, HYDRAULIC AND TRANSMISSION FLUIDS. PROVIDE SECONDARY CONTAINMENT AND COVERS FOR THESE MATERIALS IF STORED ONSITE.
- THE CONTRACTOR SHALL PROPERLY DISPOSE OF USED OILS, FLUIDS, LUBRICANTS, BATTERIES, AND SPILL CLEANUP MATERIALS.



NO.	DATE	BY	REVISION
1	1/30/2023	BBARRY	24_ls

NOTICE
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

BVB
DESIGNED
BVB
DRAWN
PLVM
CHECKED

Brooke M Barry

REGISTERED PROFESSIONAL
BROOKE M. BARRY
EXPIRES: 12/31/2023

EXPIRES: 12/31/2023

WEST YOST
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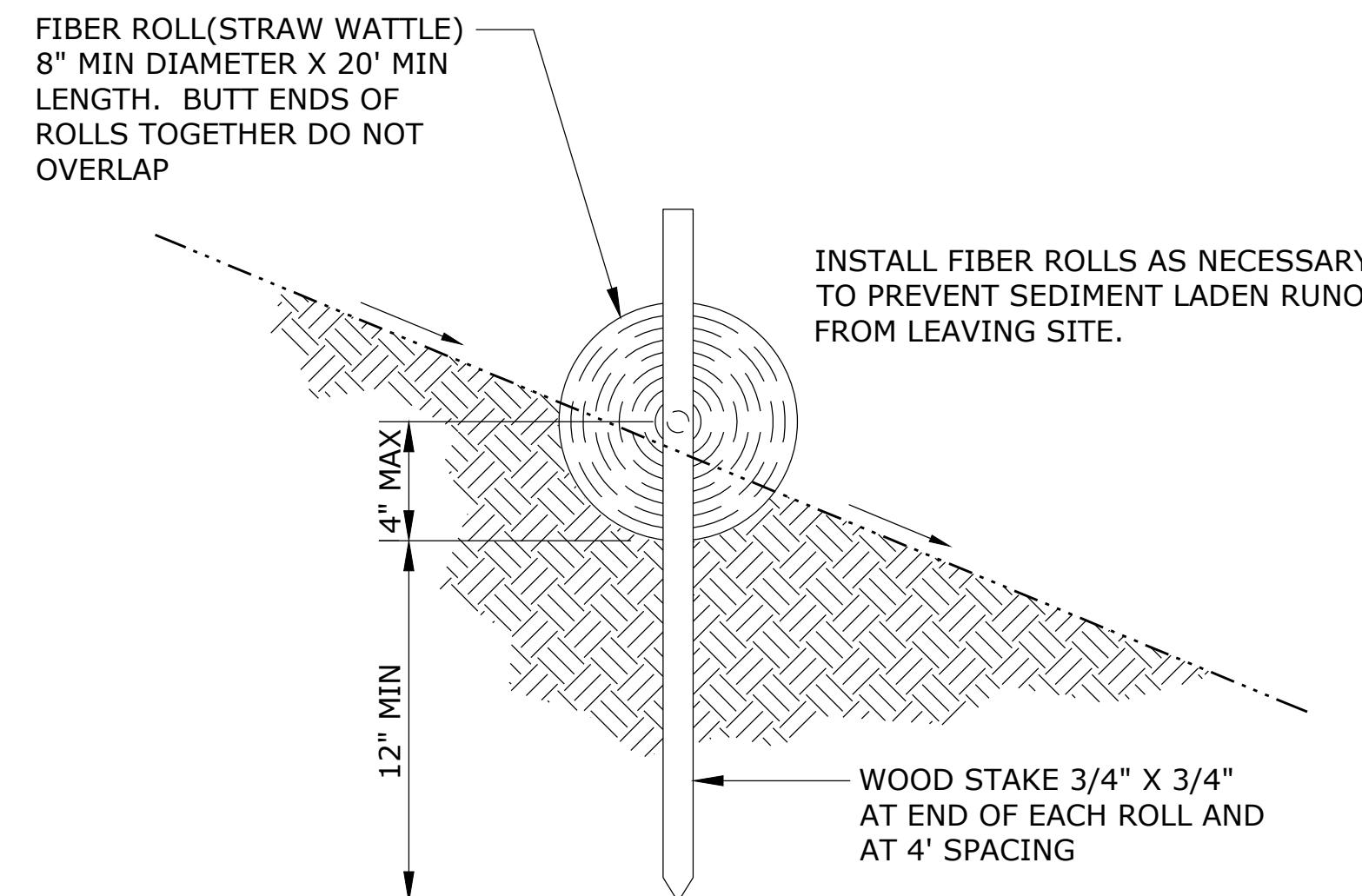


MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

EROSION CONTROL PLAN

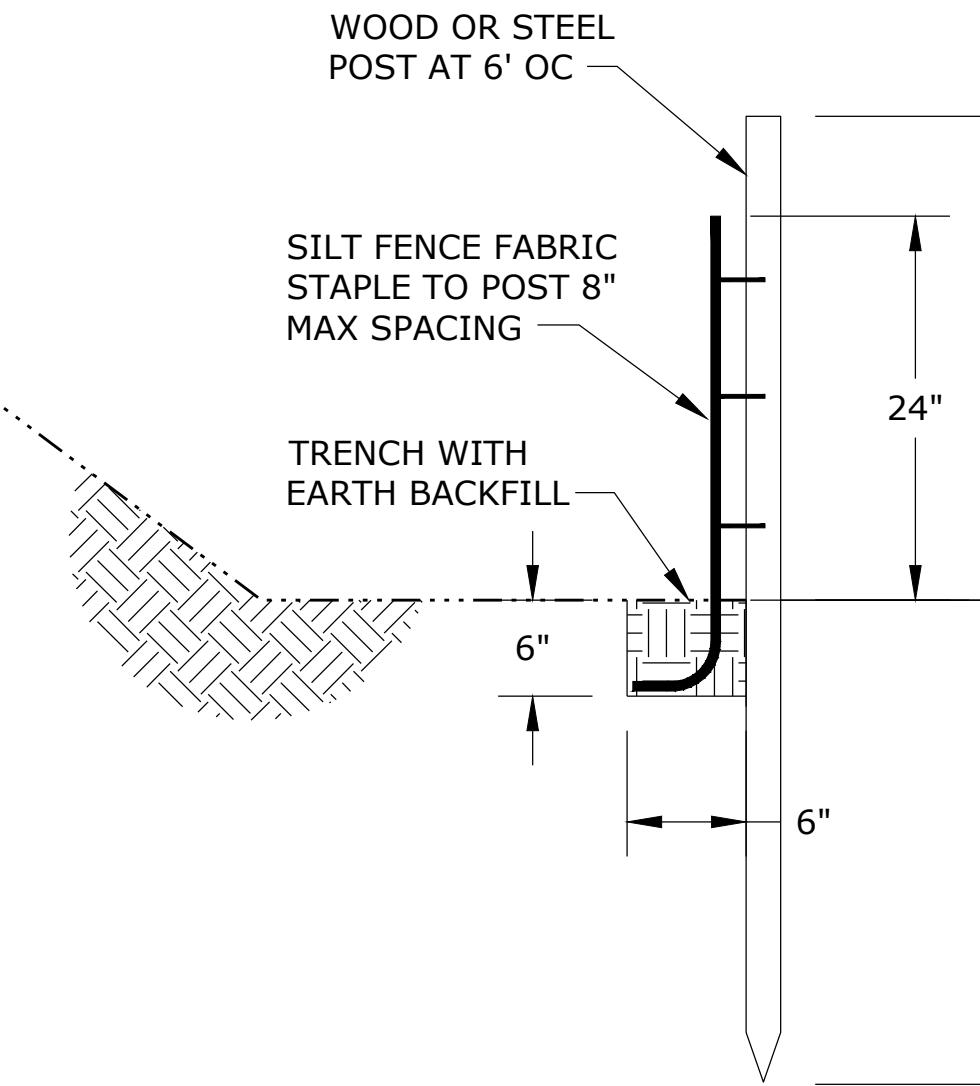
PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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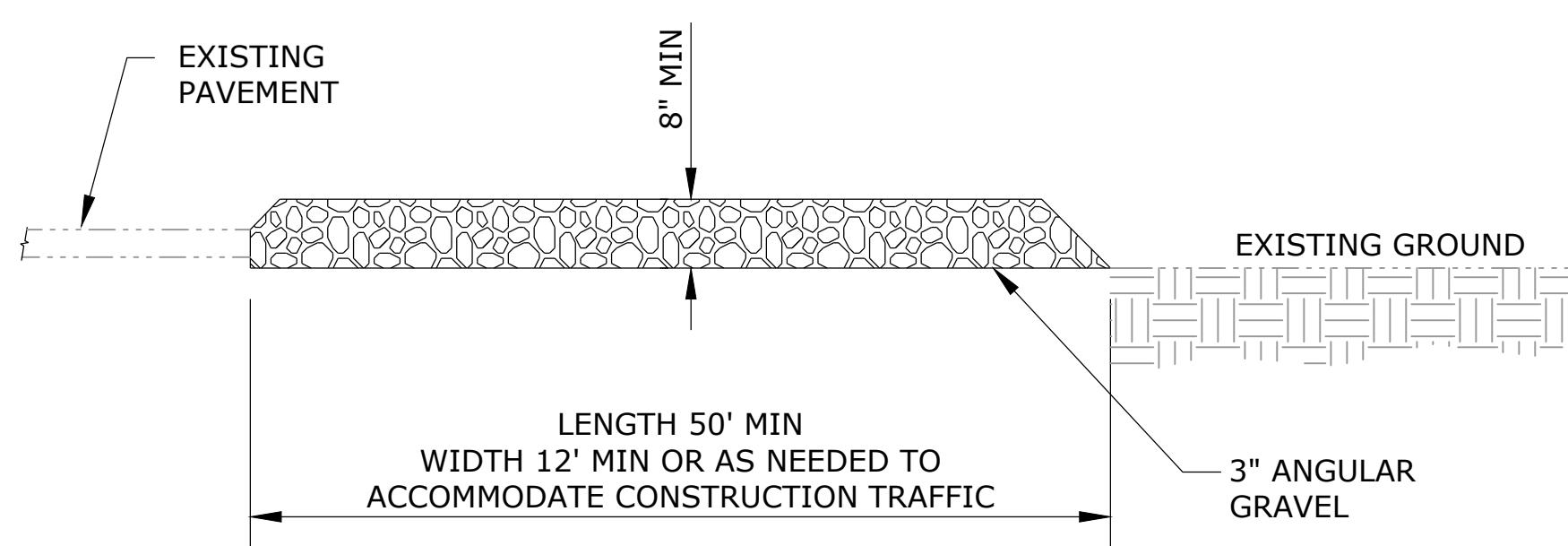
FIBER ROLL
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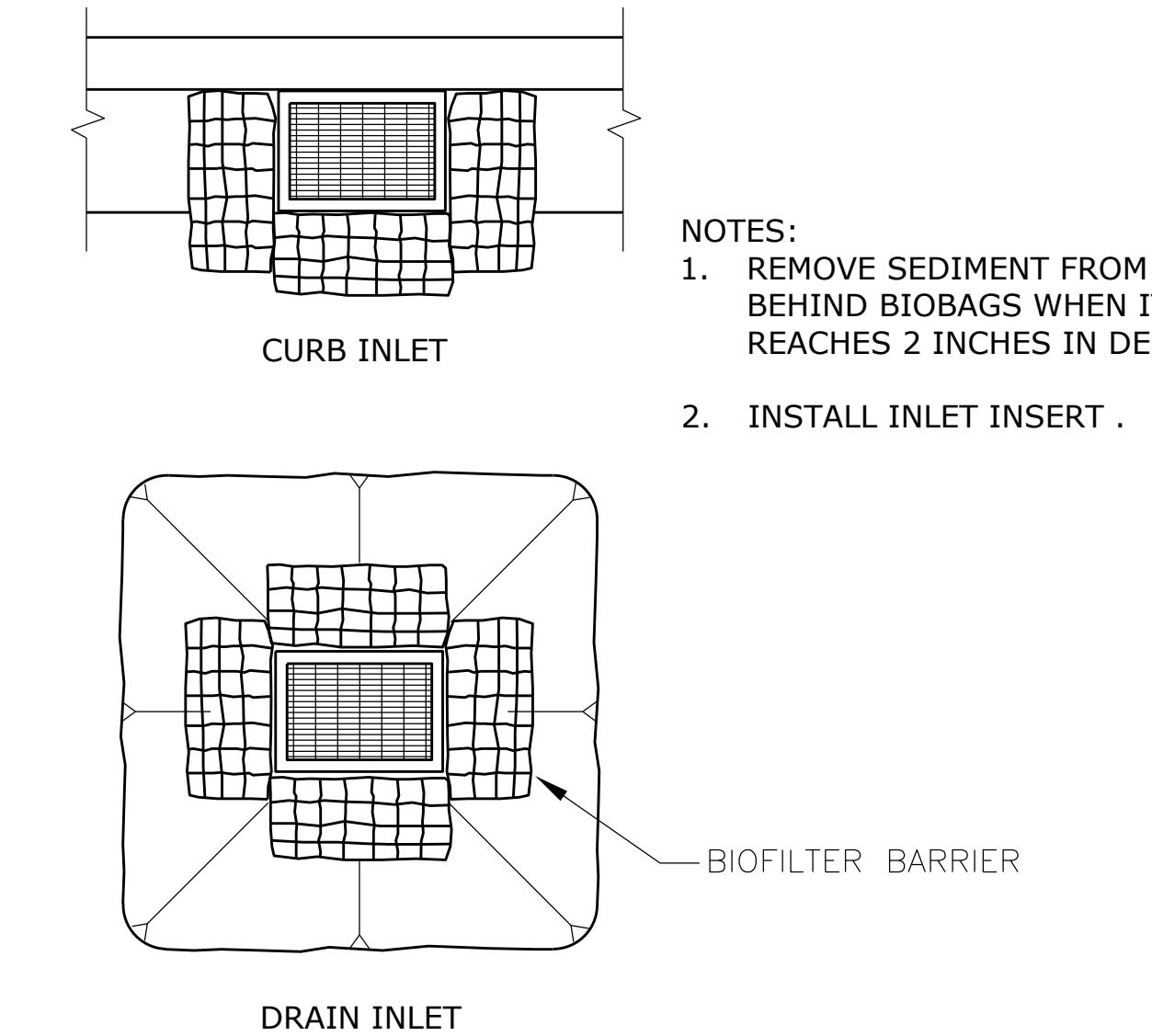
SILT FENCE
SCALE: NTS

3
C-041



STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS

2
C-041



INLET PROTECTION
SCALE: NTS

4
C-041

NOTES:
1. REMOVE SEDIMENT FROM BEHIND BIOBAGS WHEN IT REACHES 2 INCHES IN DEPTH.
2. INSTALL INLET INSERT .

NO.	DATE	BY	REVISION

NOTICE
0 $\frac{1}{2}$ 1
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BVB
DESIGNED
BVB
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PLVM
CHECKED

Brooke P. Barry

REGISTERED PROFESS. ENGR.
85993PE
AG IN ENGR.
OREGON
NOV 14, 2017
BROOKE VICTORIA BARRY

EXPIRES : 12/31/2023

WEST YOST
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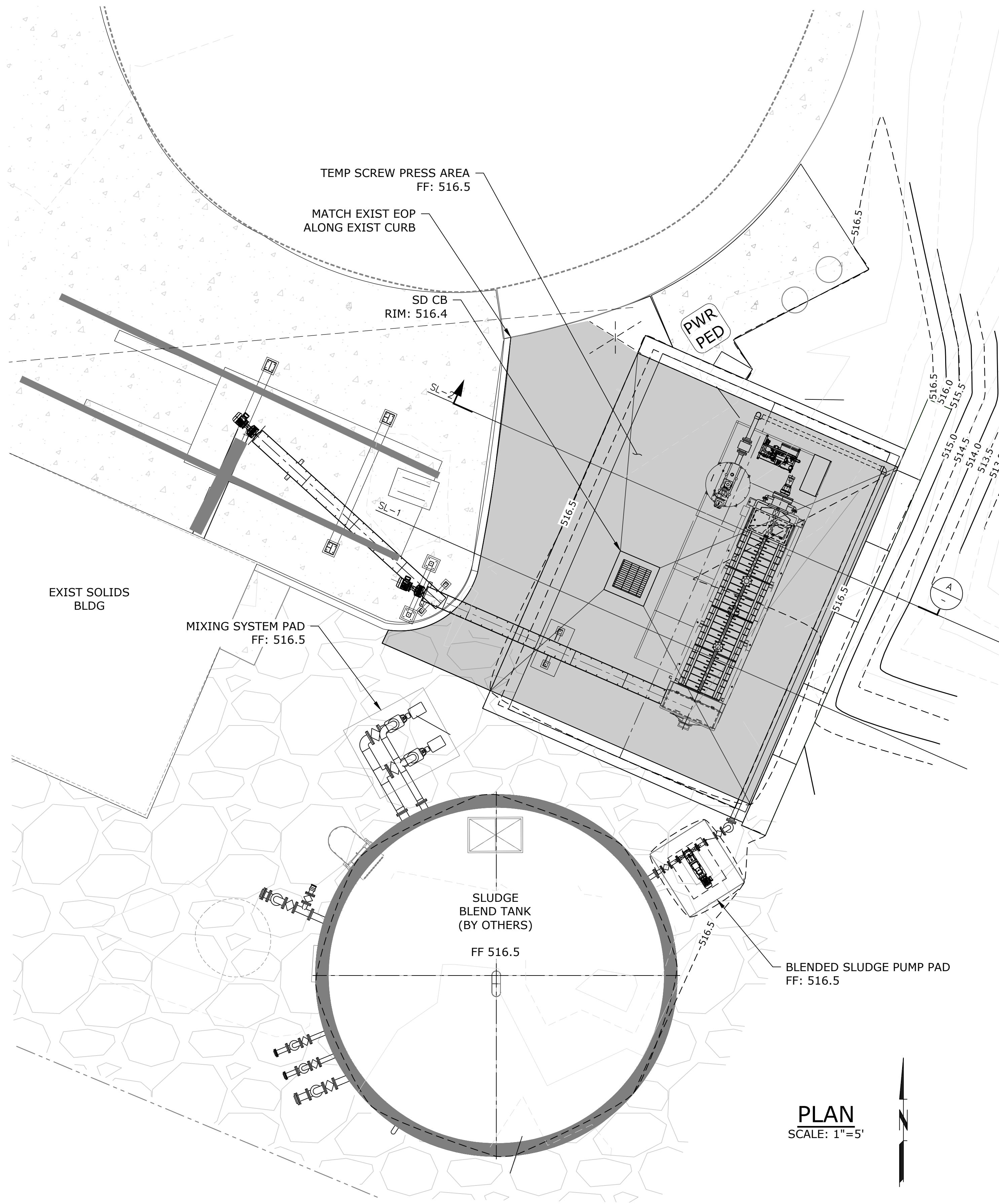


MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

EROSION CONTROL DETAILS

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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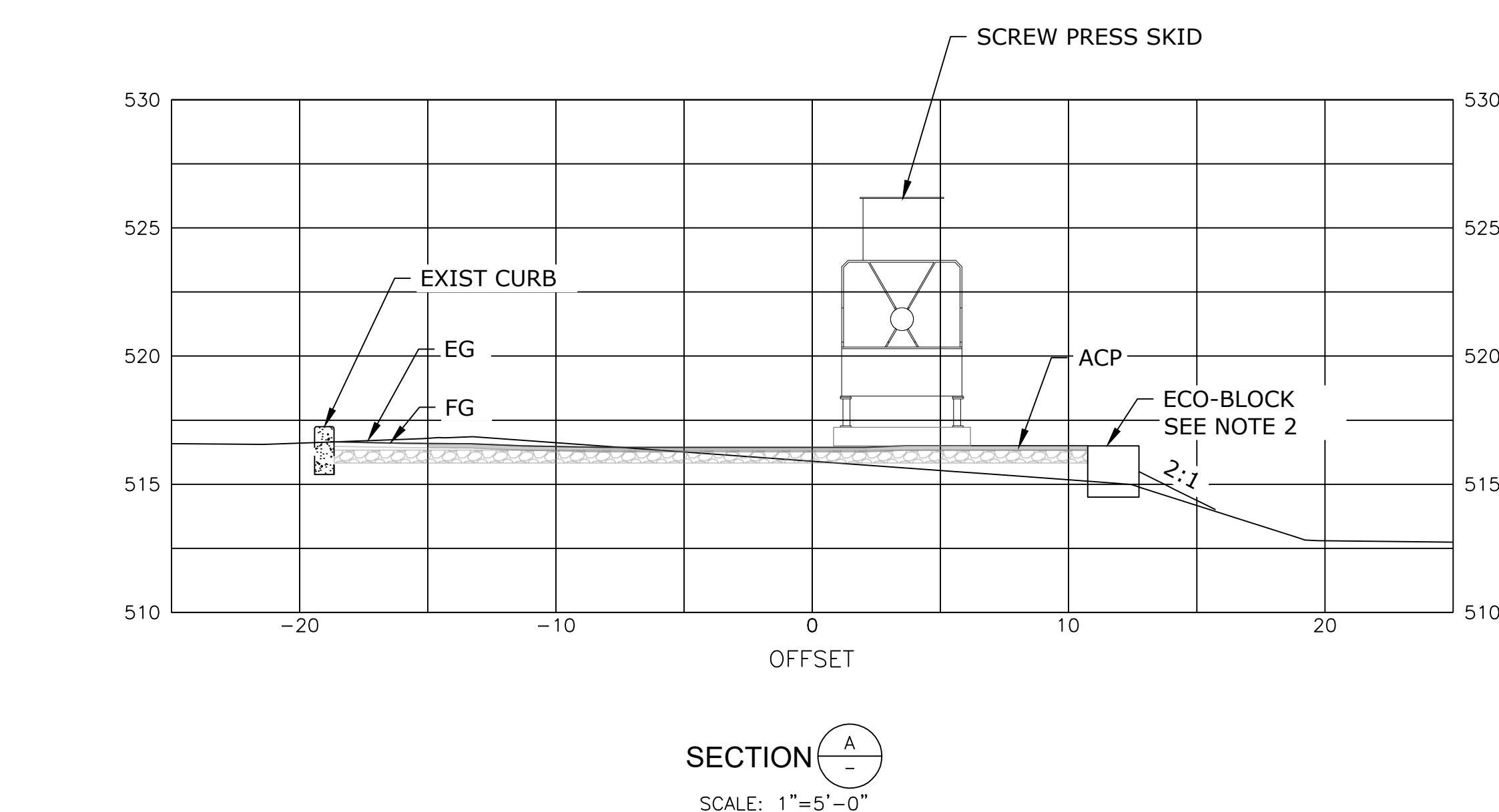


MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

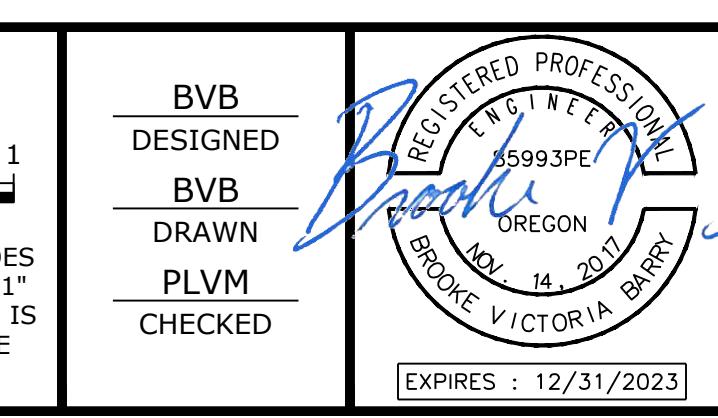
GRADING & DRAINAGE PLAN

NOTES:

1. PROTECT EXIST UTILITIES. SEE SHEET C-011.
2. ECO-BLOCKS ARE OWNER FURNISHED, CONTRACTOR INSTALLED.



NO.	DATE	BY	REVISION



WEST YOST
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PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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YARD PIPING SCHEDULE

TEMP STORM DRAIN

- 1 FURNISH & INSTALL DRAIN INLET I.E. 10" OUT=512.5 SEE DETAIL 3, DWG C-001
- 2 FURNISH & INSTALL 45-DEG BEND
- 3 FURNISH & INSTALL 25 LF T-SD PIPE MIN. S=2%
- 4 FURNISH & INSTALL 16 LF T-SD PIPE MIN. S=2%
- 5 CONNECT T-SD TO EXIST SS VULT

TEMP BS PIPE

- 1 CONNECT TO DI MJ FITTING SEE MECH SHEETS
- 2 FURNISH & INSTALL 29 LF T-BS PIPE 3-FEET COVER
- 3 FURNISH & INSTALL 90-DEG BEND
- 4 FURNISH & INSTALL 10.5 LF T-BS PIPE
- 5 FURNISH & INSTALL 90-DEG BEND UP TRANSITION TO DI PIPE SEE MECH SHEETS

TEMP WAS PIPELINE

- 1 INSTALL OWNER SUPPLIED TEMP 4" PIPE/TUBING TEMP PIPE SHALL BE INSTALLED ABOVE GRADE SEE NOTE 6
- 2 CONNECT T-WAS TO CAMLOCK SEE MECH SHEETS

OF PIPELINE

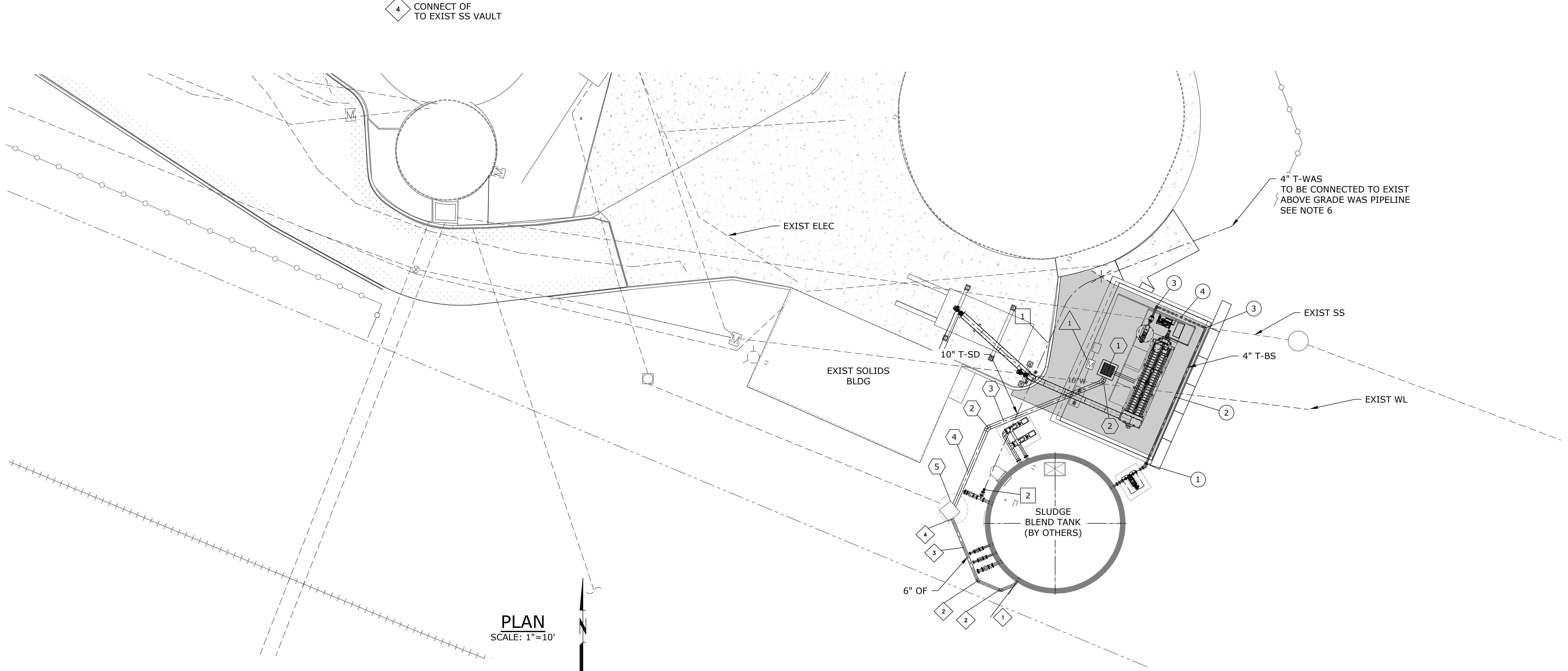
- 1 CONNECT TO DI MJ FITTING SEE MECH SHEETS
- 2 FURNISH & INSTALL 45-DEG BEND
- 3 FURNISH & INSTALL 21 LF OF PIPE MIN. S=2%
- 4 CONNECT OF TO EXIST SS VULT

TEMP POTABLE WATER SERVICE

- 1 INSTALL 2" WATER SERVICE W/2" BACKFLOW ASSEMBLY SEE DETAILS ON SHEET C-002 CONNECT 1" PW TO POLYMER CONNECT 2" PW TO SCREW PRESS SEE MECHANICAL SHEETS

NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION AND PIPE MATERIAL OF ALL EXISTING PIPES TO BE CONNECTED TO PRIOR TO ORDERING MATERIALS. PROTECT ALL EXISTING PIPELINES TO REMAIN FROM DAMAGE DURING CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE AND INSTALL VERTICAL BENDS IN PROPOSED FORCEMAINS AS NECESSARY TO RESOLVE CROSSING CONFLICTS. SUBMIT PROPOSED UTILITY CONFLICT RESOLUTIONS TO THE ENGINEER FOR APPROVAL.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ADEQUATE THRUST RESTRAINT SYSTEMS (RESTRAINED PIPE JOINTS). THRUST BLOCKS ARE NOT ALLOWED.
4. FINAL ALIGNMENT OF PIPING AND CONDUITS AND LOCATION OF CONNECTIONS TO EXISTING PIPING AND CONDUITS (HORIZONTAL & VERTICAL) TO BE DETERMINED BY CONTRACTOR BASED ON ACTUAL LOCATION OF EXISTING UTILITIES AND SURFACE FEATURES, WITH PRIOR APPROVAL BY ENGINEER.
5. SEE SPECIFICATION SECTION 40 0510 FOR PIPE TYPE SCHEDULE. 3-FOOT MIN. COVER UNLESS NOTED OTHERWISE.
6. CONTRACTOR TO VERIFY QUANTITY OF TEMPORARY PIPE FROM EXIST WAS PIPE TO SLUDGE BLEND TANK AND CONNECTION LOCATION TO EXIST WAS.



NOTICE	0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	
BVB DESIGNED BVB DRAWN PLVM CHECKED	<i>Brooks P. Barry</i>
	REGISTERED PROFESSIONAL ENGINEER NO. 55993PE OREGON MARCH 14, 2017 BROOKS VICTORIA BARRY
NO. DATE	REVISION

BVB
DESIGNED
BVB
DRAWN
PLVM
CHECKED

Brooks P. Barry

EXPIRES : 12/31/2023

WEST YOST
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MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

YARD PIPING PLAN

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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SPECIAL INSPECTIONS:			
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
OSSC TABLE 1705.6, SOILS:			
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X	
OSSC TABLE 1705.3, CONCRETE CONSTRUCTION:			
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.		X	OSSC 1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706. B. INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/16". C. INSPECT ALL OTHER WELDS.	X	X	
3. INSPECT ANCHORS CAST IN CONCRETE.		X	
4. INSPECT ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	X	X	
5. VERIFY USE OF REQUIRED MIX DESIGN.		X	OSSC 1904.1, 1904.2 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X		OSSC 1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X		OSSC 1908.6, 1908.7 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	OSSC 1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES. B. GROUTING OR BONDED PRESTRESSING TENDONS.	X	X	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		X	
11. VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		X	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X	
OSSC TABLE 1705.2, STEEL CONSTRUCTION:			
1. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS AND SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		X	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS
2. INSPECTION OF HIGH STRENGTH BOLTING: A. SLIP CRITICAL JOINTS. B. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN OF THE NUT WITHOUT MATCHMAKING, TWIST OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION. C. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN OF THE NUT METHOD MATCHMAKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	X	AISC 360 SECTION M2.5
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL: A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360. B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. C. MANUFACTURER'S CERTIFIED TEST REPORTS.		X	AISC 360, SECTION N2.1 APPLICABLE ASTM MATERIAL STANDARDS
4. MATERIAL VERIFICATION OF COLD FORMED STEEL DECK: A. MANUFACTURER'S CERTIFIED TEST REPORTS.		X	
5. MATERIAL VERIFICATION OF WELD FILLER MATERIALS: A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		X	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS
6. INSPECTION OF WELDING: A. STRUCTURAL STEEL AND COLD FORMED STEEL DECK 1. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 2. MULTIPASS FILLET WELDS. 3. SINGLE PASS FILLET WELDS > 5/16". 4. PLUG AND SLOT WELDS. 5. SINGLE PASS FILLET WELDS < 5/16". 6. FLOOR AND ROOF DECK WELDS.	X		AWS D1.1
B. REINFORCING STEEL: 1. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706. 2. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOULD FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL SPECIAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT. 3. SHEAR REINFORCEMENT. 4. OTHER REINFORCING STEEL.		X	AWS D1.4 ACI 318, SECTION 4.2.2
7. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE: A. DETAILS SUCH AS BRACING AND STIFFENING. B. MEMBER LOCATION. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		X	

NOTE: SPECIAL INSPECTION SHALL BE PROVIDED FOR ALL STRUCTURAL ELEMENTS REQUIRING SPECIAL INSPECTION REGARDLESS OF WHETHER THE WORK IS PERFORMED ONSITE OR OFFSITE (SHOP).

STRUCTURAL SUBMITTALS

SHOP DRAWINGS AND PRODUCT DATA SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO ORDERING, FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS INCLUDING:

CONCRETE MIX DESIGNS
CONCRETE AND MASONRY REINFORCING STEEL
ITEMS EMBEDDED IN CONCRETE
STRUCTURAL STEEL
METAL COVER

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND ARE SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER.

DESIGN DRAWINGS, SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS, INCLUDING: METAL COVER, AND MANUFACTURER SUPPLIED CONVEYOR SUPPORTS, SHALL BEAR THE SEAL AND SIGNATURE OF A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON AND SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION. CALCULATIONS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON THE STRUCTURAL ELEMENTS INDUCED BY THE CONNECTION LOADS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE OSSC.

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR SUBMITTALS BY THE ENGINEER'S REVIEW.

THE STRUCTURES SHALL BE FULLY BRACED FOR DEAD, LIVE, SNOW, SOIL, FLUID, WIND AND SEISMIC LOADS DURING CONSTRUCTION. THE CONTRACTOR SHALL BRACE THE WORK UNTIL THE PERMANENT LATERAL FORCE RESISTING SYSTEM IS COMPLETED.

INSTALL ITEMS MANUFACTURED OR SUPPLIED BY OTHERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

WHERE DETAILS OF CONSTRUCTION ARE NOT EXPLICITLY SHOWN, PROVIDE MATERIALS AND CONSTRUCTION OF THE SAME TYPE AND CHARACTER AS THAT OF SIMILAR CONDITIONS USED ON THE PROJECT. THE ACTUAL DETAILS USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION.

ANY CONFLICT OR DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR CLARIFICATION AND RESOLUTION PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION.

EQUIPMENT AND NON-STRUCTURAL COMPONENTS:

DETERMINE ACTUAL EQUIPMENT AND NON-STRUCTURAL COMPONENT WEIGHTS, LOCATIONS AND SIZES SUPPLIED FOR THIS PROJECT. NOTIFY ENGINEER IF WEIGHTS EXCEED ALLOWANCES AND IF EQUIPMENT FOOTPRINTS DIFFER FROM THAT SHOWN OR NOTED ON STRUCTURAL DRAWINGS.

FOR EQUIPMENT AND NON-STRUCTURAL COMPONENTS WEIGHING MORE THAN 400 POUNDS, PREPARE AND SUBMIT SEISMIC CONNECTION AND ANCHORAGE CALCULATIONS AND DETAIL SEALED AND SIGNED BY A PROFESSIONAL CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON.

COORDINATE BETWEEN SUBCONTRACTORS TO INSURE THE FOLLOWING:

ADDITIONAL SECONDARY FRAMING IS PROVIDED AS REQUIRED. DESIGN OF EQUIPMENT SUPPORTS AND SECONDARY FRAMING BY THE VENDOR'S ENGINEER SHALL CONFORM TO OSSC REQUIREMENTS.

EDGES OF ROOFING, DECKING, SHEATHING, SLAB, ETC. ARE SUPPORTED AT ALL OPENINGS. PENETRATIONS MADE THROUGH STRUCTURAL MEMBERS SHALL BE REINFORCED TO CONFORM TO THE RECOMMENDATIONS OF THE VENDOR'S ENGINEER AND TO THE SATISFACTION OF THE ENGINEER OF RECORD.

OPENINGS, PENETRATIONS AND ACCESSORIES ARE LOCATED TO AVOID INTERFERENCE WITH STRUCTURAL ELEMENTS.

PRE-ENGINEERED ELEMENTS ARE DESIGN TO SUPPORT ALL WEIGHTS AND FORCES.

BRACE EQUIPMENT AND ACCESSORIES PER SMACNA SEISMIC RESTRAINT MANUAL. UNUSUAL DUCTWORK, PIPING OR CONDUIT CONFIGURATIONS THAT FALL OUTSIDE OF SMACNA MINIMUM LIMITS SHOULD BE SECURELY RESTRAINED TO PREVENT MOVEMENT.

CONTRACTOR RESPONSIBILITIES

CONTRACTOR RESPONSIBILITIES: THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT THE REQUIREMENTS OF THESE DOCUMENTS THROUGH THE USE OF THEIR OWN EFFORTS OR THAT OF SUB-CONTRACTORS.

THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, SEQUENCING AND SAFETY REQUIRED TO COMPLETE THE WORK. ALL INSTRUCTIONS CONTAINED IN THESE DOCUMENTS ARE INTERPRETED TO BE INSTRUCTIONS TO THE CONTRACTOR AND ARE THE RESPONSIBILITY OF THE CONTRACTOR TO FULFIL.

VERIFY EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION. IMMEDIATELY BRING DISCREPANCIES TO THE ATTENTION OF THE ENGINEER OF RECORD (EOR).

MEASURE DIMENSIONS OF ANY EXISTING STRUCTURES ASSOCIATED WITH THE WORK AND COORDINATE WITH REQUIRED DIMENSIONS FOR NEW CONSTRUCTION. DRAWINGS SCALES ARE INDICATED FOR REFERENCE TO ASSIST WITH CLARIFYING THE WORK AND PROVIDING PROPORTIONS THAT RESEMBLE ACTUAL CONDITIONS. DO NOT MEASURE DRAWINGS FOR CONSTRUCTION. USE TEXT DIMENSIONS PROVIDED. REQUEST UNKNOWN DIMENSIONS FROM THE ENGINEER WITH SUFFICIENT LEAD TIME TO PREVENT CONSTRUCTION DELAYS. FIELD VERIFY DIMENSIONS.

ARRANGE FOR AND COORDINATE WORK BY TRADES AND SUPPLIERS. FACILITATE REQUIRED INSPECTIONS, SPECIAL INSPECTIONS AND TESTS SPECIFIED BY THE CONTRACT DOCUMENTS, BUILDING CODE AND PERMIT. WHERE COVERINGS OR WORK CONCEALS ITEMS OR AREAS TO BE INSPECTED PRIOR TO SATISFACTORY APPROVAL THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF COVERINGS OR WORK AS NECESSARY WITHOUT COST TO THE OWNER OR ENGINEER.

THE STRUCTURES SHALL BE FULLY BRACED FOR DEAD, LIVE, SNOW, SOIL, FLUID, WIND AND SEISMIC LOADS DURING CONSTRUCTION. THE CONTRACTOR SHALL BRACE THE WORK UNTIL THE PERMANENT LATERAL FORCE RESISTING SYSTEM IS COMPLETED.

INSTALL ITEMS MANUFACTURED OR SUPPLIED BY OTHERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

WHERE DETAILS OF CONSTRUCTION ARE NOT EXPLICITLY SHOWN, PROVIDE MATERIALS AND CONSTRUCTION OF THE SAME TYPE AND CHARACTER AS THAT OF SIMILAR CONDITIONS USED ON THE PROJECT. THE ACTUAL DETAILS USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION.

ANY CONFLICT OR DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR CLARIFICATION AND RESOLUTION PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION.

COORDINATE BETWEEN SUBCONTRACTORS TO INSURE THE FOLLOWING:

ADDITIONAL SECONDARY FRAMING IS PROVIDED AS REQUIRED. DESIGN OF EQUIPMENT SUPPORTS AND SECONDARY FRAMING BY THE VENDOR'S ENGINEER SHALL CONFORM TO OSSC REQUIREMENTS.

EDGES OF ROOFING, DECKING, SHEATHING, SLAB, ETC. ARE SUPPORTED AT ALL OPENINGS. PENETRATIONS MADE THROUGH STRUCTURAL MEMBERS SHALL BE REINFORCED TO CONFORM TO THE RECOMMENDATIONS OF THE VENDOR'S ENGINEER AND TO THE SATISFACTION OF THE ENGINEER OF RECORD.

OPENINGS, PENETRATIONS AND ACCESSORIES ARE LOCATED TO AVOID INTERFERENCE WITH STRUCTURAL ELEMENTS.

PRE-ENGINEERED ELEMENTS ARE DESIGN TO SUPPORT ALL WEIGHTS AND FORCES.

BRACE EQUIPMENT AND ACCESSORIES PER SMACNA SEISMIC RESTRAINT MANUAL. UNUSUAL DUCTWORK, PIPING OR CONDUIT CONFIGURATIONS THAT FALL OUTSIDE OF SMACNA MINIMUM LIMITS SHOULD BE SECURELY RESTRAINED TO PREVENT MOVEMENT.

GENERAL STRUCTURAL NOTES

GENERAL: DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE, EXCEPT AS OTHERWISE INDICATED. ADAPT REQUIREMENTS OF DETAILS, SECTIONS, PLANS, AND NOTES AT LOCATIONS WHERE CONDITIONS ARE SIMILAR.

CENTER ALL FOOTINGS AND PIERS UNDER COLUMNS AND WALLS ABOVE UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, PLUMBING, CIVIL AND LANDSCAPE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL LOCATE ALL CONCEALED UTILITIES PRIOR TO EXCAVATION OR SELECTIVE DEMOLITION WORKS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN FOUNDATIONS AND BURIED UTILITIES.

CODE REQUIREMENTS: THE STRUCTURES ARE DESIGNED IN ACCORDANCE WITH THE 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC) AND REFERENCE DOCUMENTS (ADM, ACI, AISC, AISI, ANSI, APA, ASCE/SEI, ASTM, AWC, AWPA, AWS, ICC, SDI, SJI, TMS, UL, WCLIB, ETC). FOLLOW ALL APPLICABLE PROVISIONS FOR ALL PHASES OF CONSTRUCTION.

TEMPORARY CONDITIONS: THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS ON INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION ONLY.

EXISTING CONDITIONS: ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

EXISTING STRUCTURE: EXERCISE EXTREME CARE AND CAUTION WHEN EXCAVATING AND FILLING ADJACENT TO EXISTING STRUCTURES. UNDER NO CIRCUMSTANCES SHALL THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURES BE IMPAIRED IN ANY WAY BY CONSTRUCTION OPERATIONS AND PROCEDURES. DO NOT EXCAVATE OR DISTURB SOIL ADJACENT TO OR BENEATH EXISTING FOOTINGS.

DESIGN CRITERIA: THE FOLLOWING CRITERIA WERE USED TO DETERMINE PROJECT LOADS.

VERTICAL LOADS:

GROUND SNOW LOAD: 20 PSF SL
RAIN ON SNOW SURCHARGE: 5 PSF

FLOOR LIVE LOADS:

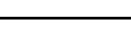
PROCESS 125 PSF LL, 2000 LB CONCENTRATED

LATERAL LOADS:

SEISMIC: RISK CATEGORY 3, SITE CLASS B, $S_0=0.63$, $S_1=0.34$, $F_0=1.00$, $F_1=1.00$, $S_{MS}=0.63g$, $S_{MI}=0.34g$, $S_{PS}=0.42g$, $S_{DI}=0.23g$, $MCE_6=0.29g$, $F_{PGA}=1.00$, SEISMIC DESIGN CATEGORY=D.

WIND: BASIC WIND SPEED: $V=104$ MPH, $V_{asd}=85$ MPH, EXPOSURE B.

SOIL: ALLOWABLE SOIL BEARING PRESSURE FOR BELOW GRADE STRUCTURES: 5,000 PSF ALLOWABLE SOIL BEARING PRESSURE FOR AT-GRADE STRUCTURES: 2,000 PSF PREPARE SITE SOILS IN ACCORDANCE WITH GEOTECHNICAL ENGINEERING REPORT BY McMILLEN JACOBS ASSOCIATES, DECEMBER 2019. CONTACT McMILLEN JACOBS ASSOCIATES TO OBSERVE THE FOUNDATION EXCAVATED SURFACE PRIOR TO PLACEMENT OF STRUCTURAL FILL. ALLOW McMILLEN JACOBS TO OBSERVE PLACEMENT OF STRUCTURAL FILL. McMILLEN JACOBS ASSOCIATES: (503) 227-1800.

DATE	BY	REVISION
NOTICE		
0  1		
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE		

ATG
DESIGNED
ATG
DRAWN
PVM
CHECKED

REGISTERED PROFESSIONAL
ENGINEER
64230PE
OREGON
MAY 9, 2020
ALAN T. COFFE
EXPIRES 6/30/2023

WEST YOST
Water. Engineered.



MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

GENERAL STRUCTURAL NOTES
STRUCTURAL ABBREVIATIONS

SHEET
S-001
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GENERAL DEFERRED SUBMITTALS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEFERRED SUBMITTALS FOR ANCHORAGE AND RESTRAINT OF EQUIPMENT MEETING THE CRITERIA LISTED IN POINTS 1–4 BELOW AND AS FURTHER SPECIFIED. REFER TO DEFERRED SUBMITTAL LIST FOR SPECIFIC EQUIPMENT. ACCORDING TO SPECIFICATION SECTION 013300, DEFERRED SUBMITTALS MAY REQUIRE 12 OR MORE WEEKS OF REVIEW BY THE PERMITTING AGENCY, FROM CONTRACTOR SUBMISSION TO FINAL DATE OF APPROVAL.

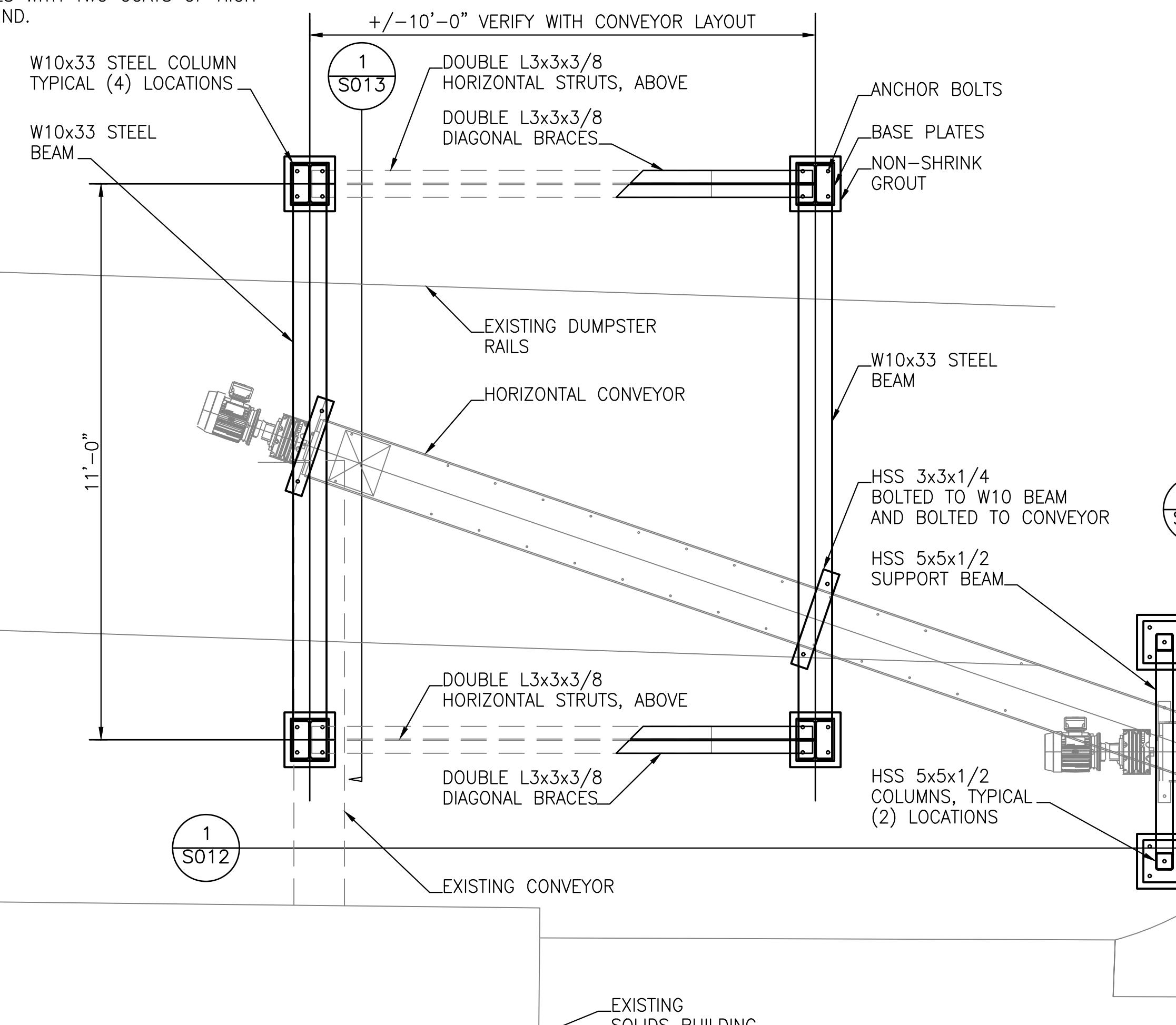
1. 400 POUNDS OR MORE ON GROUND.
2. 75 POUNDS OR MORE SUSPENDED FROM CEILING.
3. 5 POUNDS PER FOOT OR MORE OF PIPING OR CONDUITS.
4. ALL MECHANICAL AND ELECTRICAL COMPONENT SUPPORT AND CONNECTIONS TO THE STRUCTURE UNLESS EXEMPT BY ASCE 7-16 AS MODIFIED BY THE 2022 OSSC.

METAL COVER DEFERRED SUBMITTAL:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEFERRED SUBMITTAL OF THE DESIGN, DRAWINGS, DETAILS AND STRUCTURAL CALCULATIONS FOR THE METAL COVER OVER THE SCREW PRESS. SEE SPECIFICATIONS AND S-001 FOR STRUCTURAL DESIGN CRITERIA. THE DEFERRED SUBMITTAL OF THE METAL COVER MAY REQUIRE 12 OR MORE WEEKS OF REVIEW BY THE PERMITTING AGENCY, FROM CONTRACTOR SUBMISSION TO FINAL DATE OF APPROVAL.

SCREW PRESS CONVEYOR SUPPORTS:

STRUCTURAL STEEL CONVEYOR SUPPORTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. PROVIDE SHOP DRAWINGS WITH VENT/DRAIN HOLES SHOWN IN LOCATIONS OF LEAST STRESS. TOUCH UP FIELD WELDS & HOLES WITH TWO COATS OF HIGH ZINC COLD GALVANIZING COMPOUND.

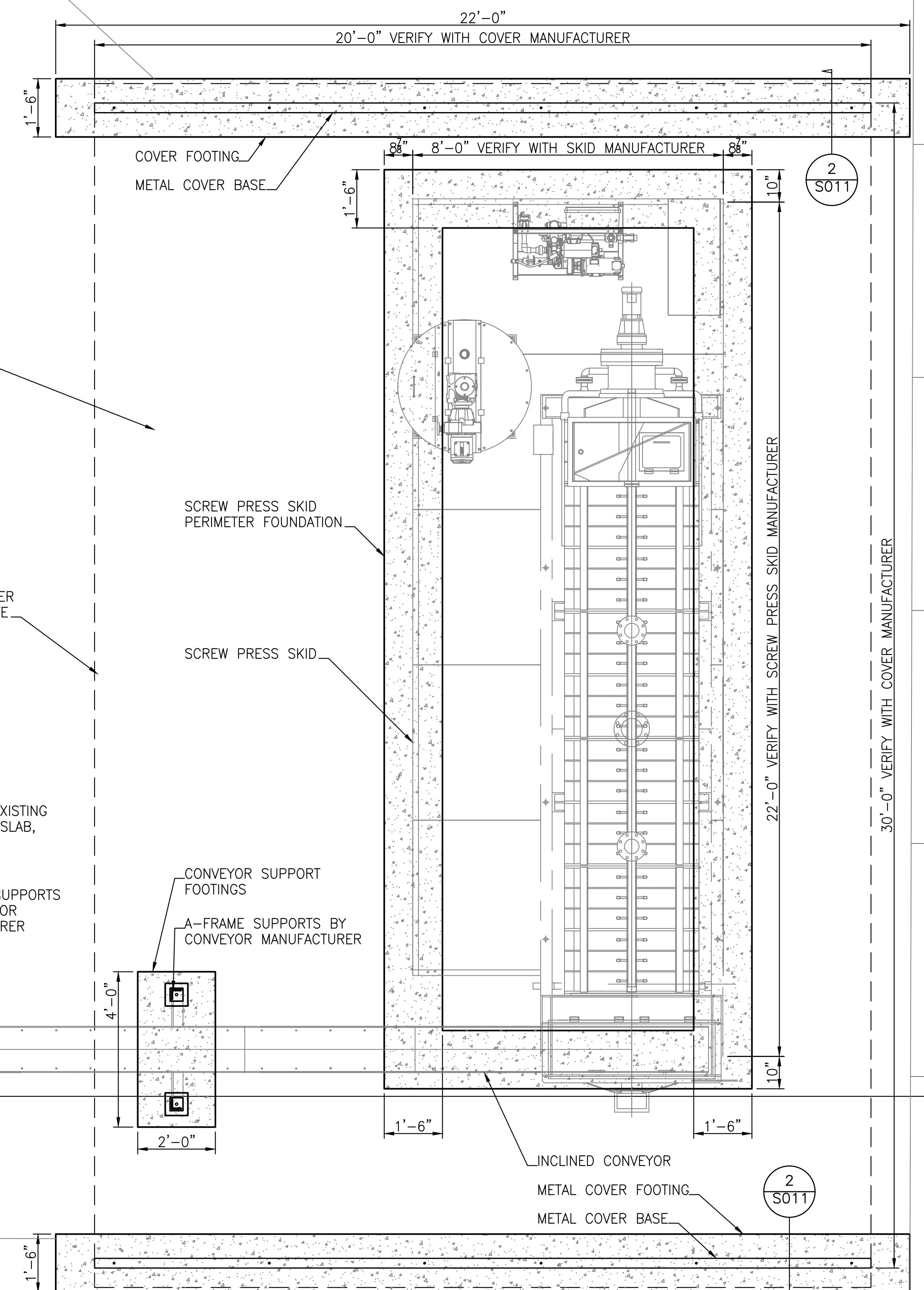


FOUNDATION NOTES:

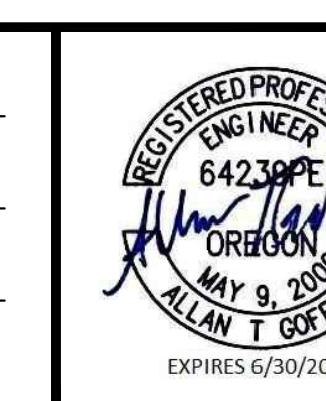
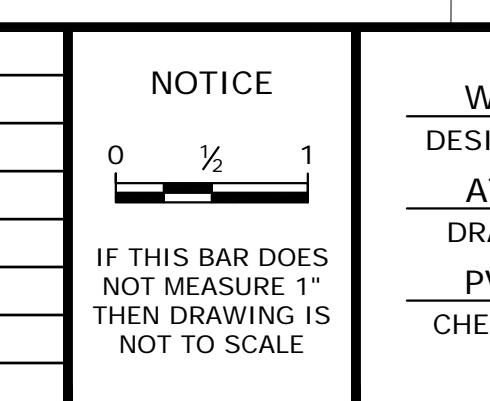
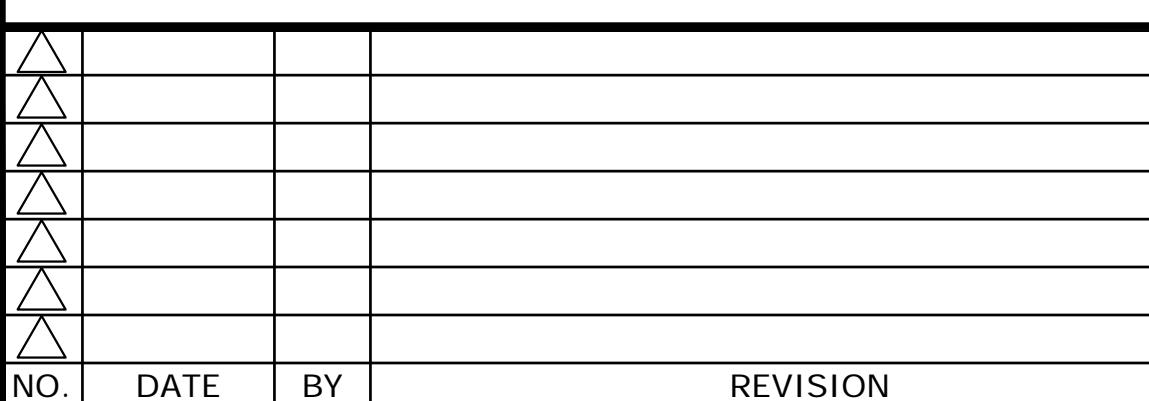
FOUNDATION NOTES:

1. ALL FOOTINGS SHALL BEAR ON SOIL PREPARED TO THE SATISFACTION OF THE PROJECT GEOTECHNICAL ENGINEER. OBTAIN GEOTECHNICAL ENGINEER'S APPROVAL PRIOR TO PLACING FILL, REBAR OR FORMWORK.
MCMILLEN JACOBS REPORT JULY 2022, (503)227-1800.
ALL FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING AN ALLOWABLE BEARING PRESSURE OF 2000 PSF.
2. EXCAVATIONS SHALL COMPLY WITH OSHA REQUIREMENTS AND ANY OTHER GOVERNING AGENCY. AT NO TIME SHALL THE CONTRACTOR ALLOW UNSAFE CONDITIONS DURING CONSTRUCTION.
3. SEE MECHANICAL DRAWINGS FOR LOCATION AND DIMENSION OF OPENINGS.
4. SEE CIVIL DRAWINGS FOR EXTERIOR SLABS AND NON-STRUCTURAL ITEMS NOT PART OF THE STRUCTURE.
5. DO NOT WET SET ANCHOR BOLTS, REINFORCING OR OTHER ITEMS TO BE EMBEDDED IN CONCRETE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEFERRED SUBMITTALS FOR ANCHORAGE AND RESTRAINT OF EQUIPMENT MEETING THE CRITERIA LISTED IN POINTS 1-4 BELOW AND AS FURTHER SPECIFIED. REFER TO DEFERRED SUBMITTAL LIST FOR SPECIFIC EQUIPMENT. ACCORDING TO SPECIFICATION SECTION 013300, DEFERRED SUBMITTALS MAY REQUIRE 12 OR MORE WEEKS OF REVIEW BY THE PERMITTING AGENCY, FROM CONTRACTOR SUBMISSION TO FINAL DATE OF APPROVAL.



1
S010 SCREW PRESS CONVEYOR FOUNDATION PLAN
SCALE: $1/2'' = 1'-0''$



The logo for West Yost Water. Engineered. It features a large, stylized, blocky letter 'W' in black, with a diagonal line through it. Below the 'W' is the word 'WEST' in a bold, black, sans-serif font. To the right of the 'W' is a large, black, blocky letter 'Y' with a diagonal line through it. To the right of the 'Y' is the word 'YOST' in a bold, black, sans-serif font. Below 'WEST' and 'YOST' is the tagline 'Water. Engineered.' in a smaller, black, sans-serif font.

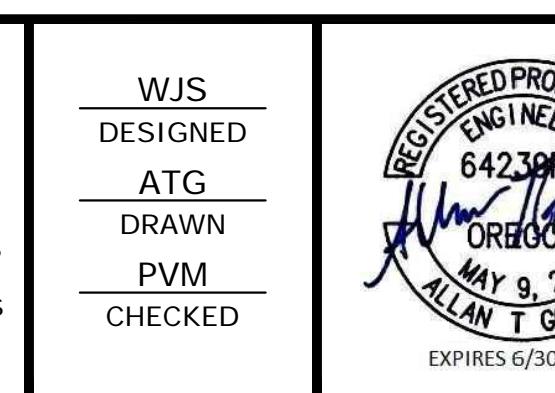
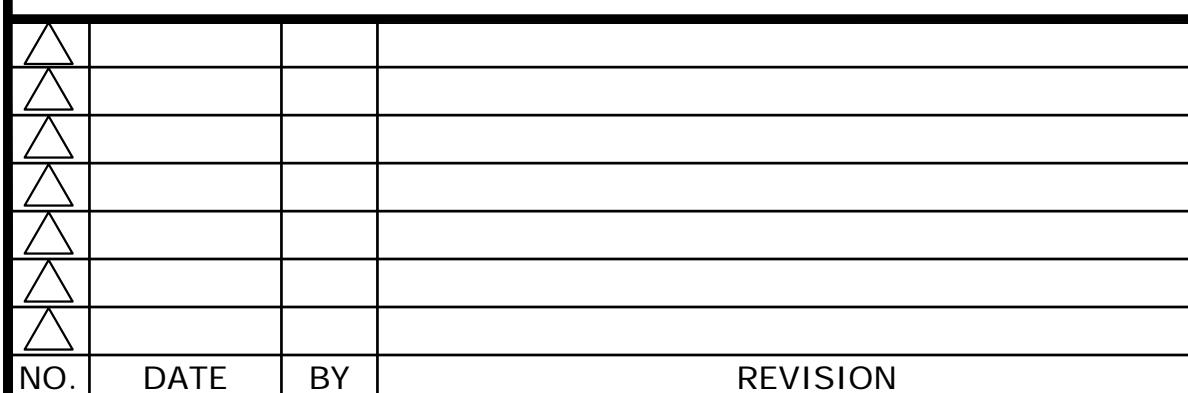
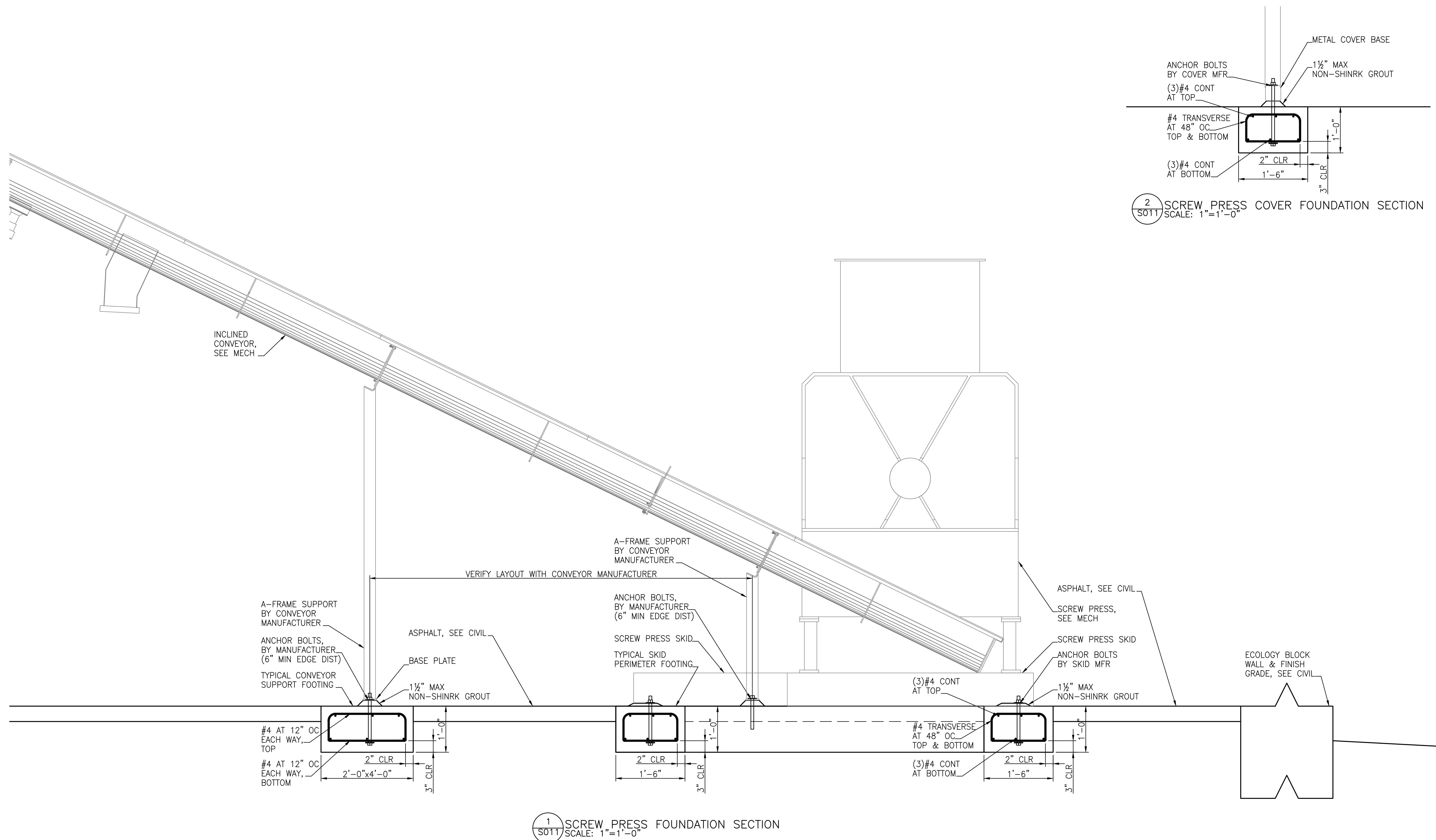


MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

SCREW PRESS FOUNDATION PLAN

PROJECT NO.: 19-2605 | SCALE: AS NOTED | DATE: FEBRUARY 2023

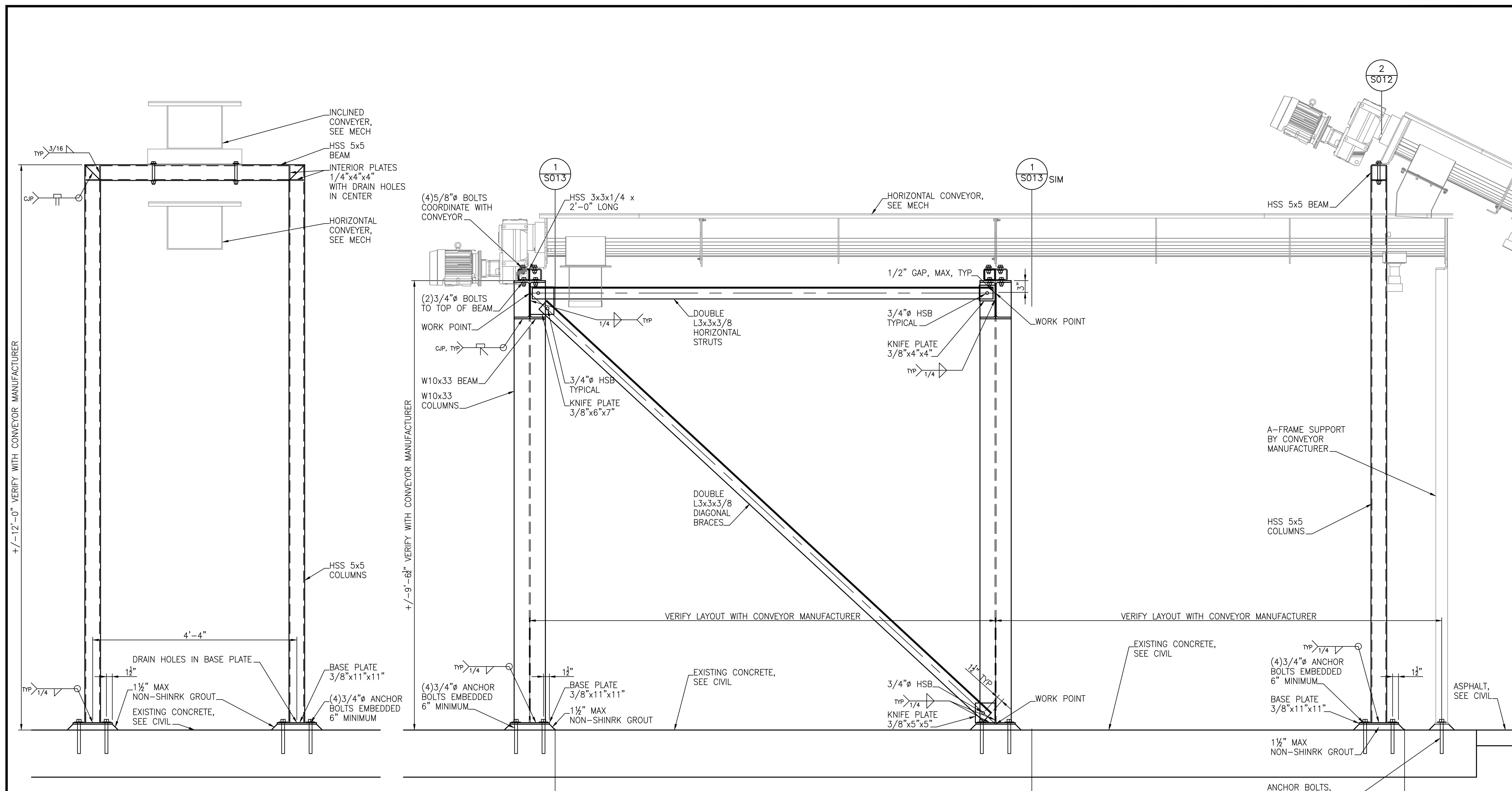
SHEET
S-01



MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

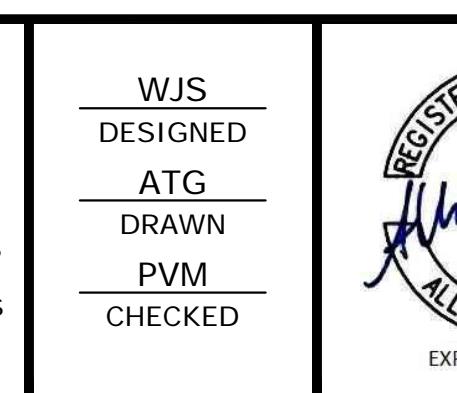
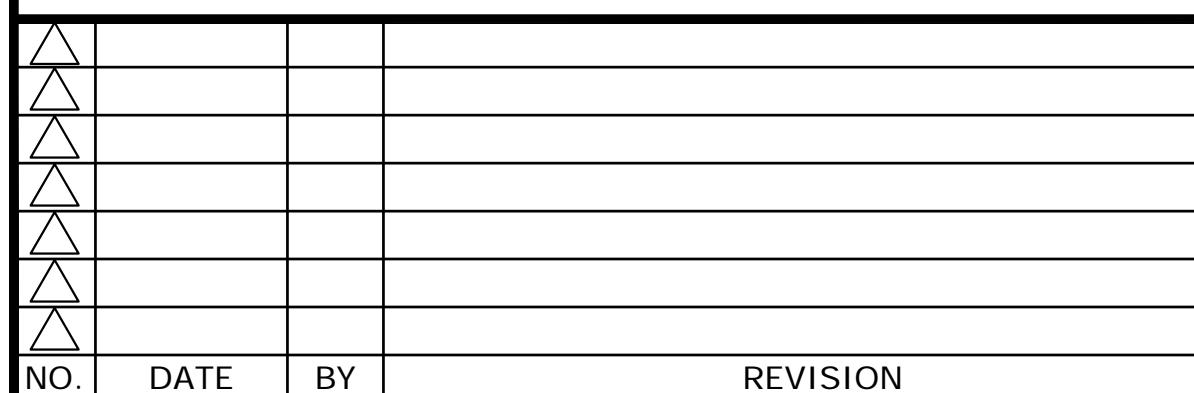
SCREW PRESS SECTIONS & DETAILS

SHEET



2
S012 BRIDGING CONVEYOR SUPPORT ELEVATION
SCALE: 1"=1'-0"

1
S012 SCREW PRESS CONVEYOR SUPPORTS SECTION
SCALE: 1"=1'-0"



The logo for West Yost Water. Engineered. It features a large, bold, black 'W' at the top. Below it, the word 'WEST' is on the left and 'YOST' is on the right, separated by a diagonal line that extends from the bottom of the 'W' down to the right. The entire logo is in black on a white background.

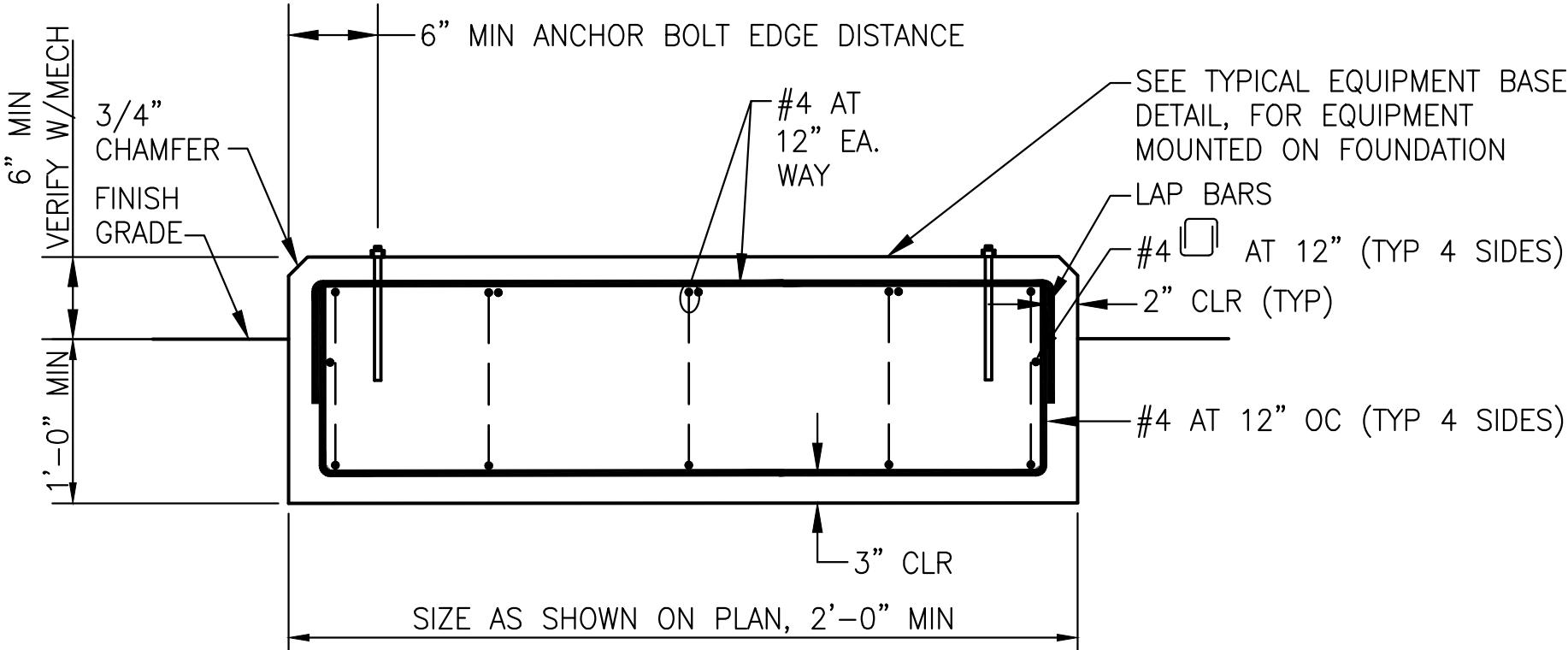


MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

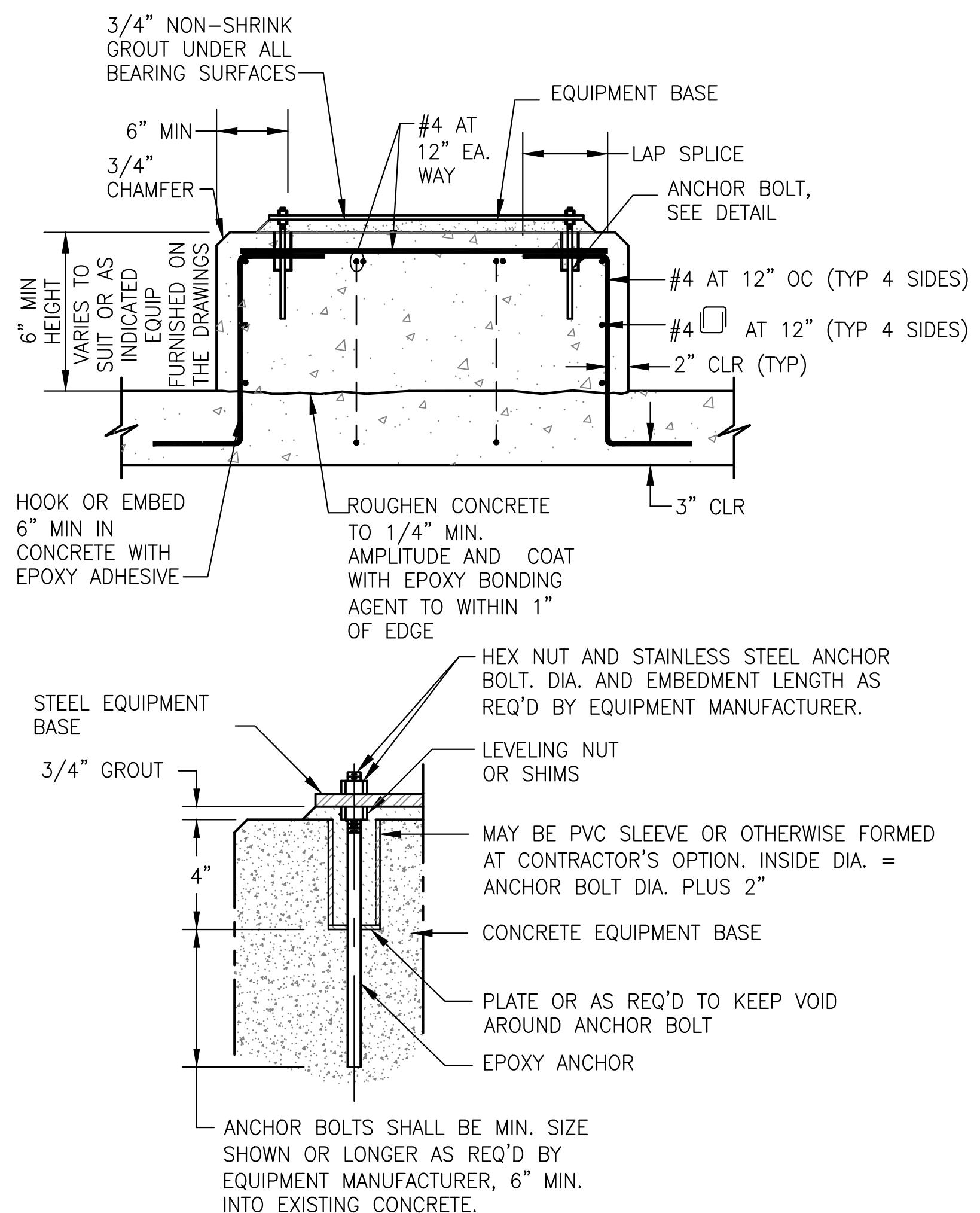
SCREW PRESS CONVEYOR SUPPORT SECTION

PROJECT NO.: 19-2605 | SCALE: AS NOTED | DATE: FEBRUARY 2023

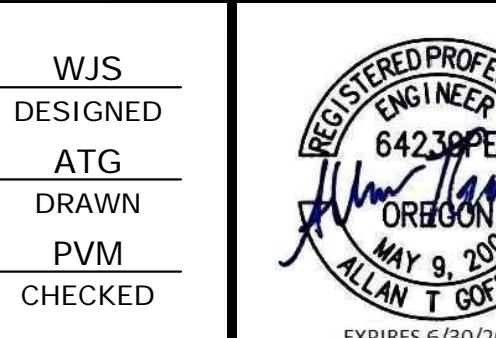
HEET



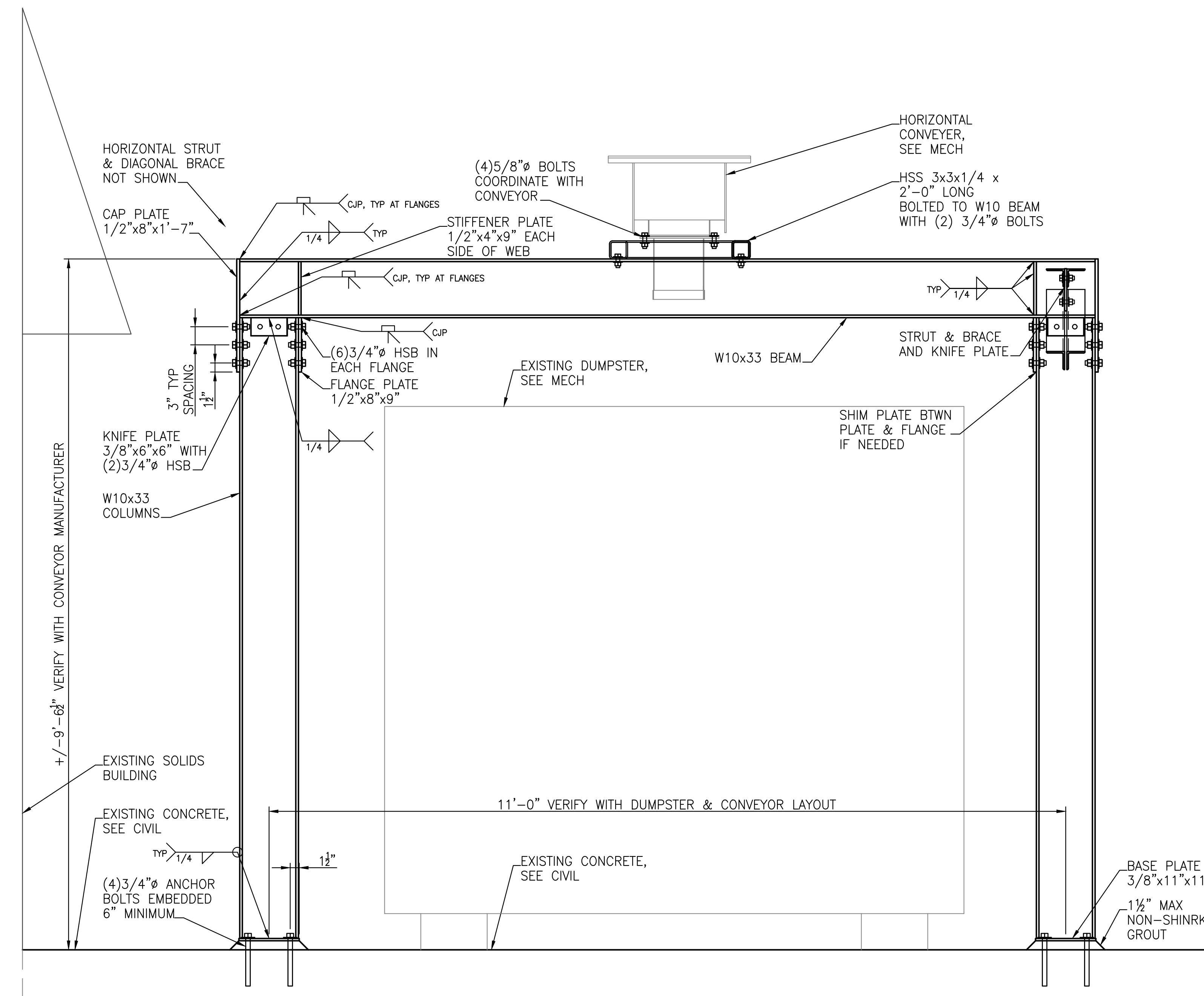
2 S013 TYPICAL EQUIPMENT FOUNDATION DETAIL



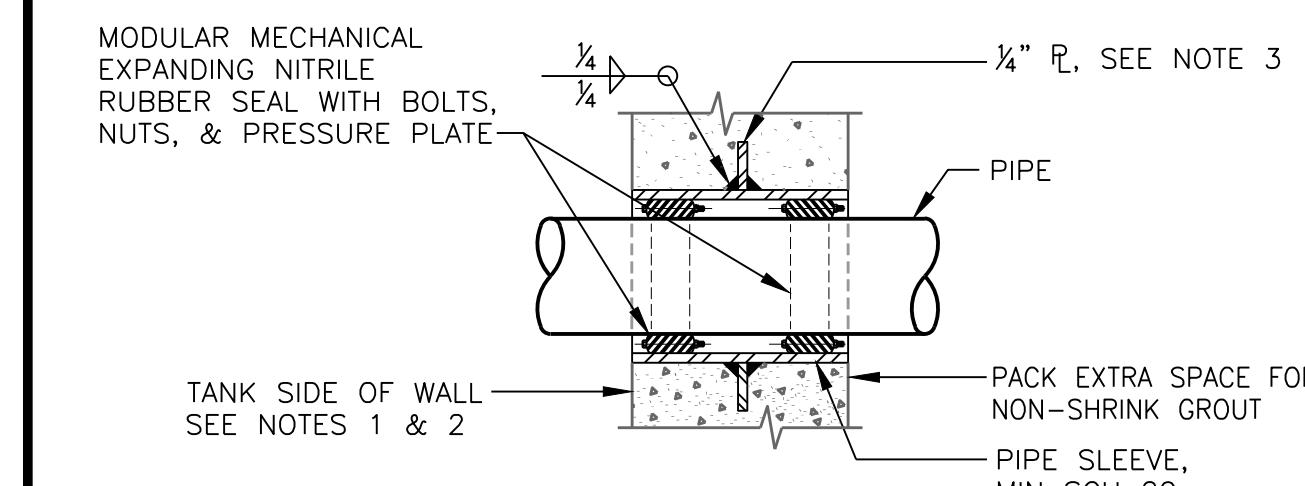
3 S013 TYPICAL EQUIPMENT BASE DETAIL



△		
△		
△		
△		
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NO.	DATE	BY
		REVISION



1 S013 DUMPSTER CONVEYOR SUPPORT ELEVATION
SCALE: 1" = 1'-0"

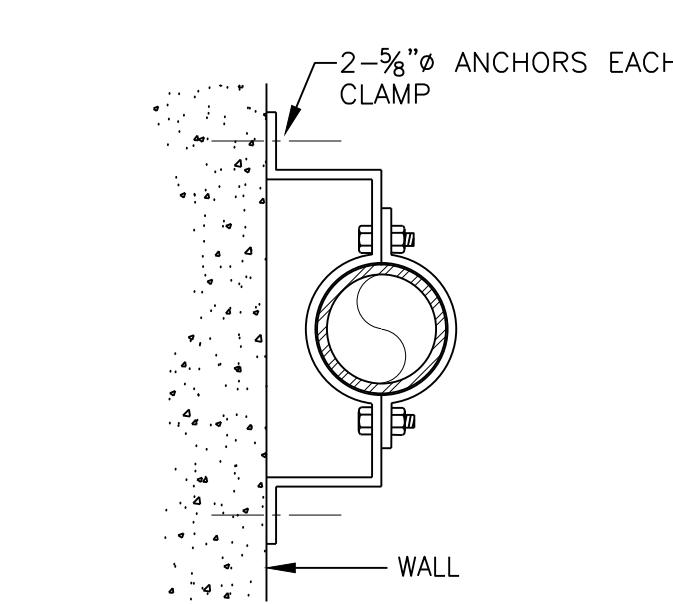
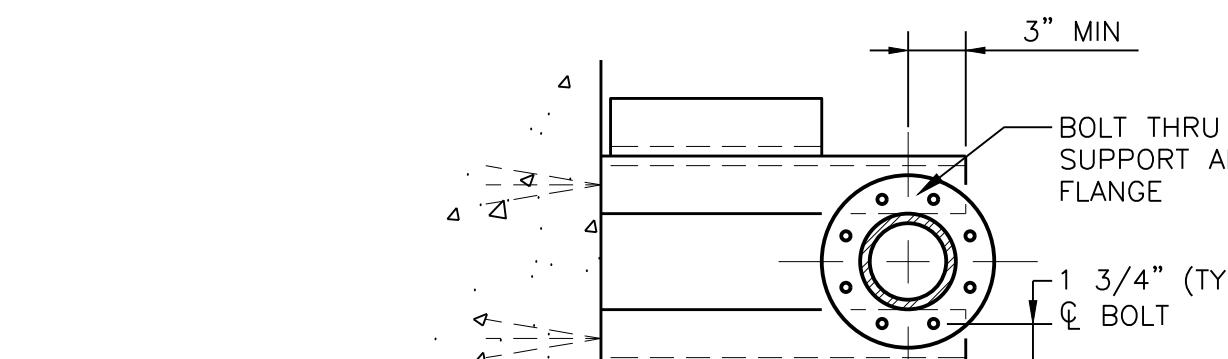


TANK WALL PIPE PENETRATION (DOUBLE LINK SEAL)

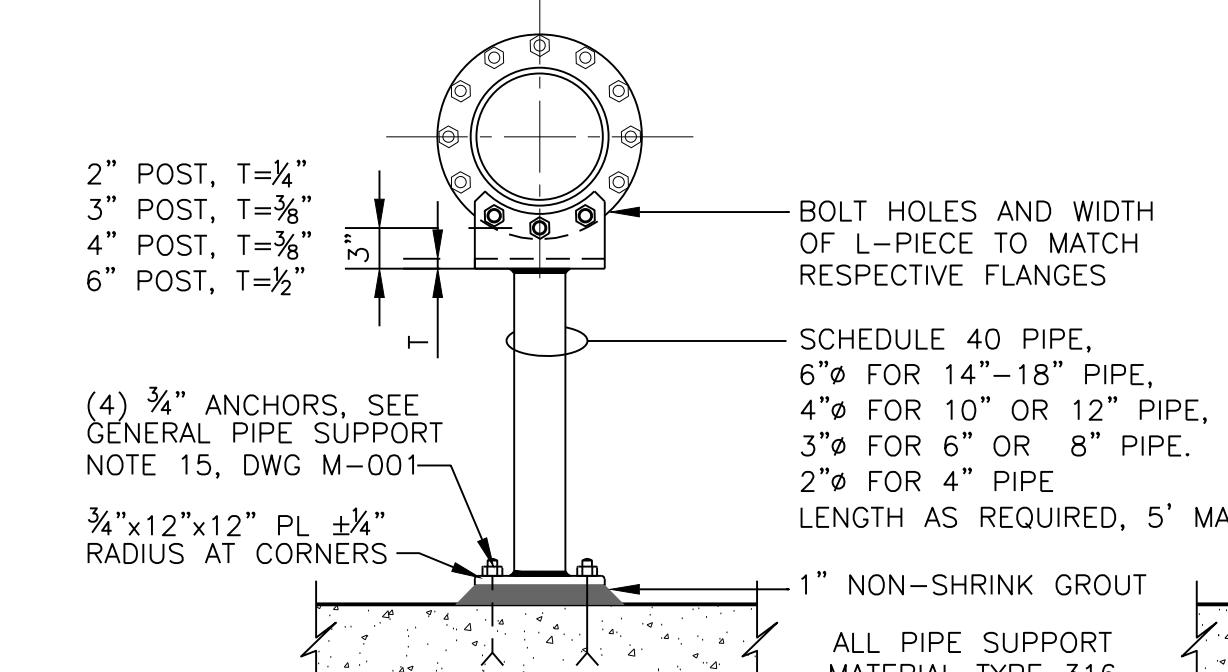
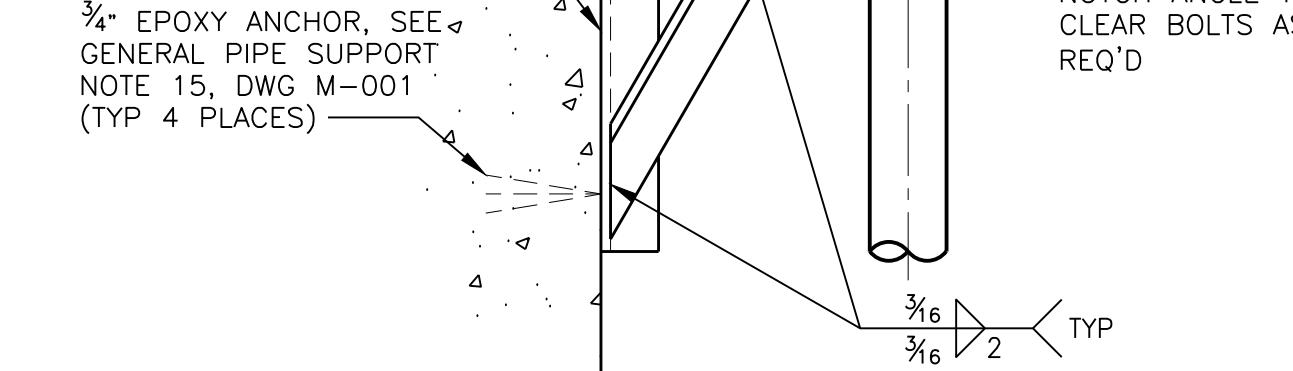
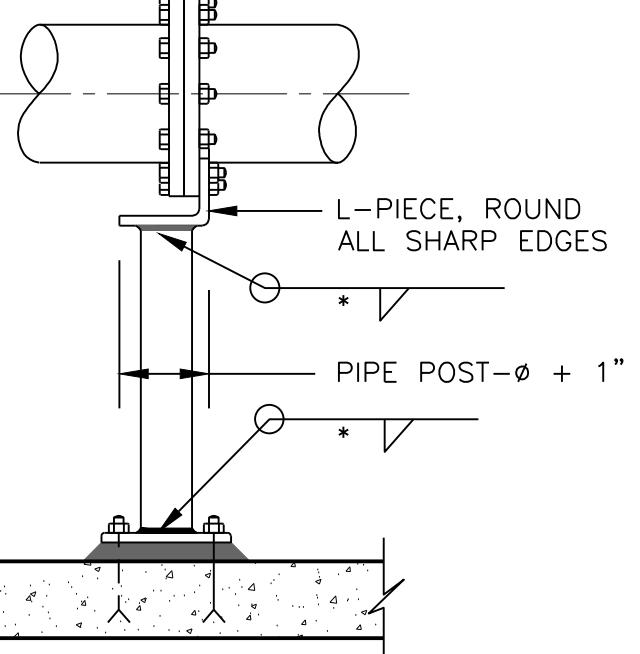
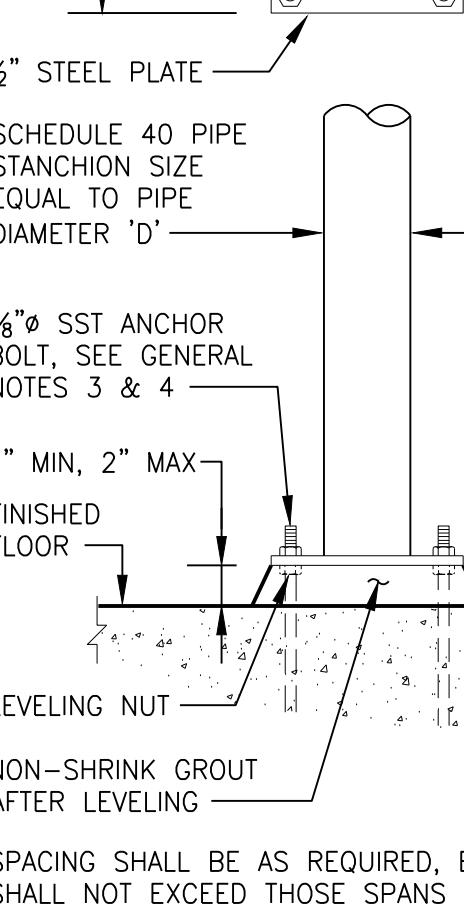
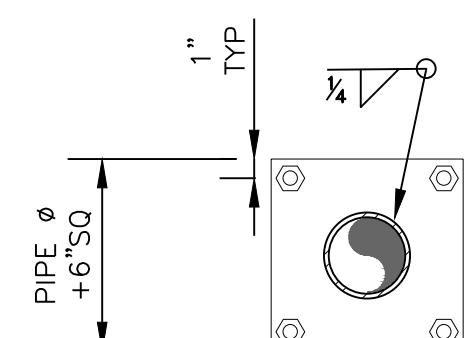
DETAIL 1
VAR
NOT TO SCALE

NOTES:

1. SLEEVE DIAMETER SHALL BE AS RECOMMENDED BY THE MECHANICAL SEAL MANUFACTURER.
2. SLEEVE NOT REQUIRED FOR PENETRATION IN EXISTING WALLS.
3. WEEP RINGS SHALL HAVE A MINIMUM DIAMETER EQUAL TO THE PIPE OR PIPE SLEEVE OUTSIDE DIAMETER PLUS 3-INCHES.
4. "TANK SIDE OF WALL" SHALL MEAN SIDE OF WALL NORMALLY EXPOSED TO LIQUID, EARTH, OR OUTSIDE ATMOSPHERE.
5. SEAL WITH MASTIC SEALANT WHERE WALL IS EXPOSED TO LIQUID, EARTH, OR EXPLOSION HAZARD AREA.

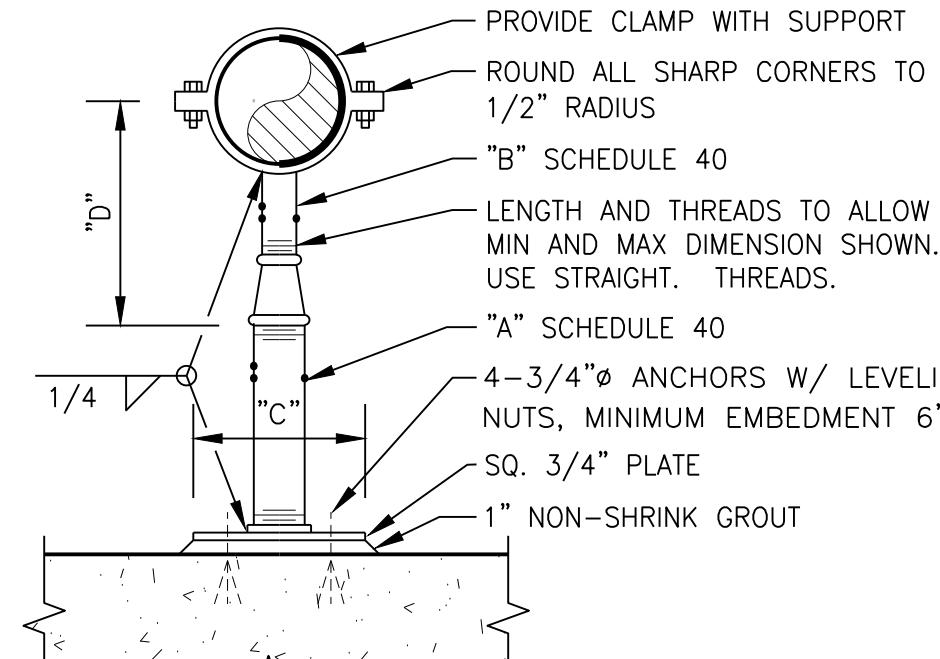
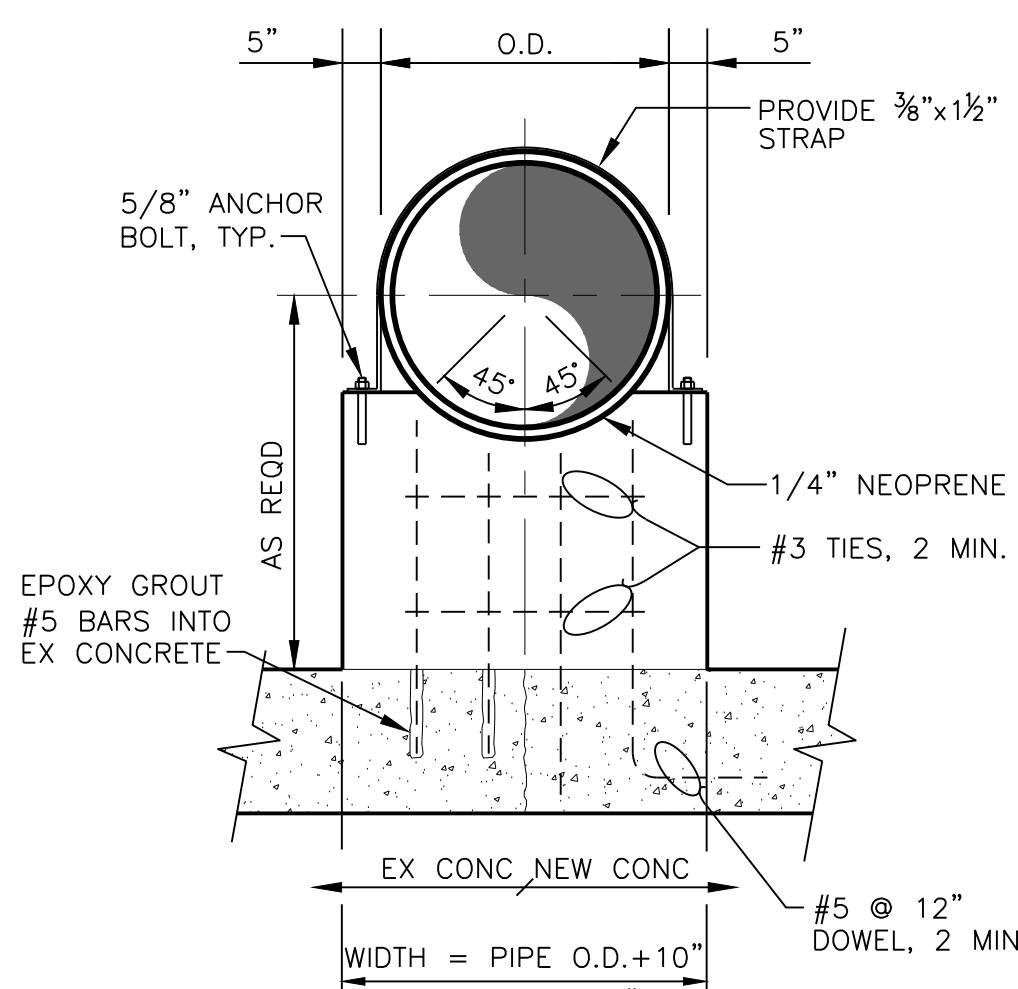
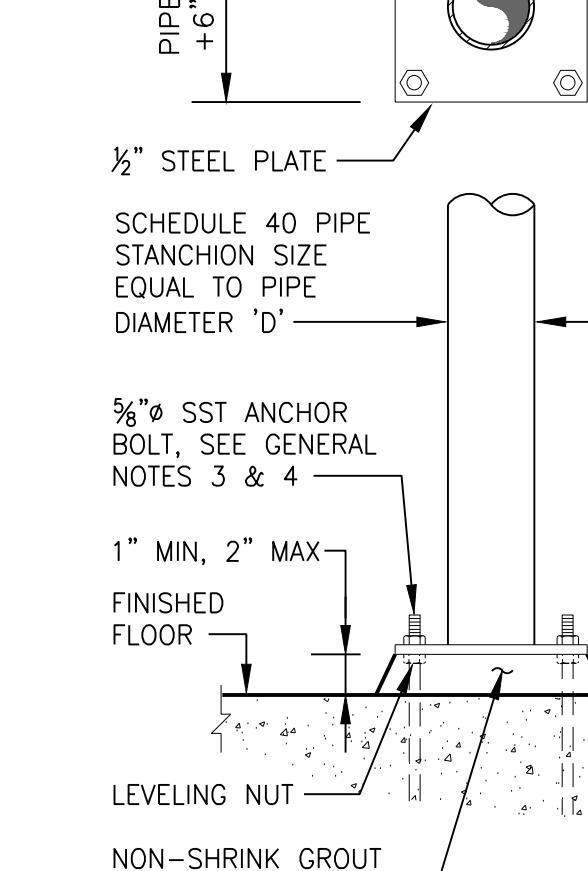
TYPE 11 PIPE HANGER
3/4" THROUGH 8" PIPEDETAIL 2
VAR
NOT TO SCALE

BOLT THRU SUPPORT AND FLANGE

3" MIN
BOLT THRU SUPPORT AND FLANGE
1 3/4" (TYP)
1/2" BOLT
VARIES
3'-0" MAX
TYP BOTH LEGS
NOTCH ANGLE TO CLEAR BOLTS AS REQ'DBOLT HOLES AND WIDTH OF L-PIECE TO MATCH RESPECTIVE FLANGES
SCHEDULE 40 PIPE,
6"Ø FOR 14"-18" PIPE,
4"Ø FOR 10" OR 12" PIPE,
3"Ø FOR 6" OR 8" PIPE,
2"Ø FOR 4" PIPE
LENGTH AS REQUIRED, 5' MAX
1" NON-SHRINK GROUT
ALL PIPE SUPPORT MATERIAL TYPE 316 SST*NOTE:
WELD SIZE 1/4" FOR 2" -
4" POST; 3/8" FOR 6"
POST.FLANGE MOUNTED PIPE SUPPORT
DETAIL 4
VAR
NOT TO SCALEPIPE SUPPORT
DETAIL 3
VAR
NOT TO SCALEPIPE SUPPORT
DETAIL 7
VAR
NOT TO SCALE

ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE DIMENSIONS IN INCHES					
SIZE OF SUPPORTED PIPE	PIPE SIZE "A"	PIPE SIZE "B"	"C"	"D"	
				MINIMUM	MAXIMUM
2 1/2	2 1/2	1 1/2	12	8	13
3	2 1/2	1 1/2	12	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	12	8 1/2	13 1/2
4	3	2 1/2	12	9 1/2	14
6	3	2 1/2	12	10 1/2	15 1/2
8	3	2 1/2	12	11 1/2	16 1/2
10	3	2 1/2	12	13 1/2	18 1/2
12	3	2 1/2	12	15	19 1/2

* USE 2 1/2" SUPPORTS FOR PIPES LESS THAN 2 1/2" DIAMETER

NOTE:
1. FOR CONNECTION TO STEEL DECK, WELD
ALL AROUND WITH 1/4" FILLET.CONCRETE PIPE SUPPORT
DETAIL 5
VAR
NOT TO SCALEADJUSTABLE PIPE SUPPORT
DETAIL 6
VAR
NOT TO SCALETYPE N STRUCTURAL ATTACHMENT
DETAIL 7
VAR
NOT TO SCALE

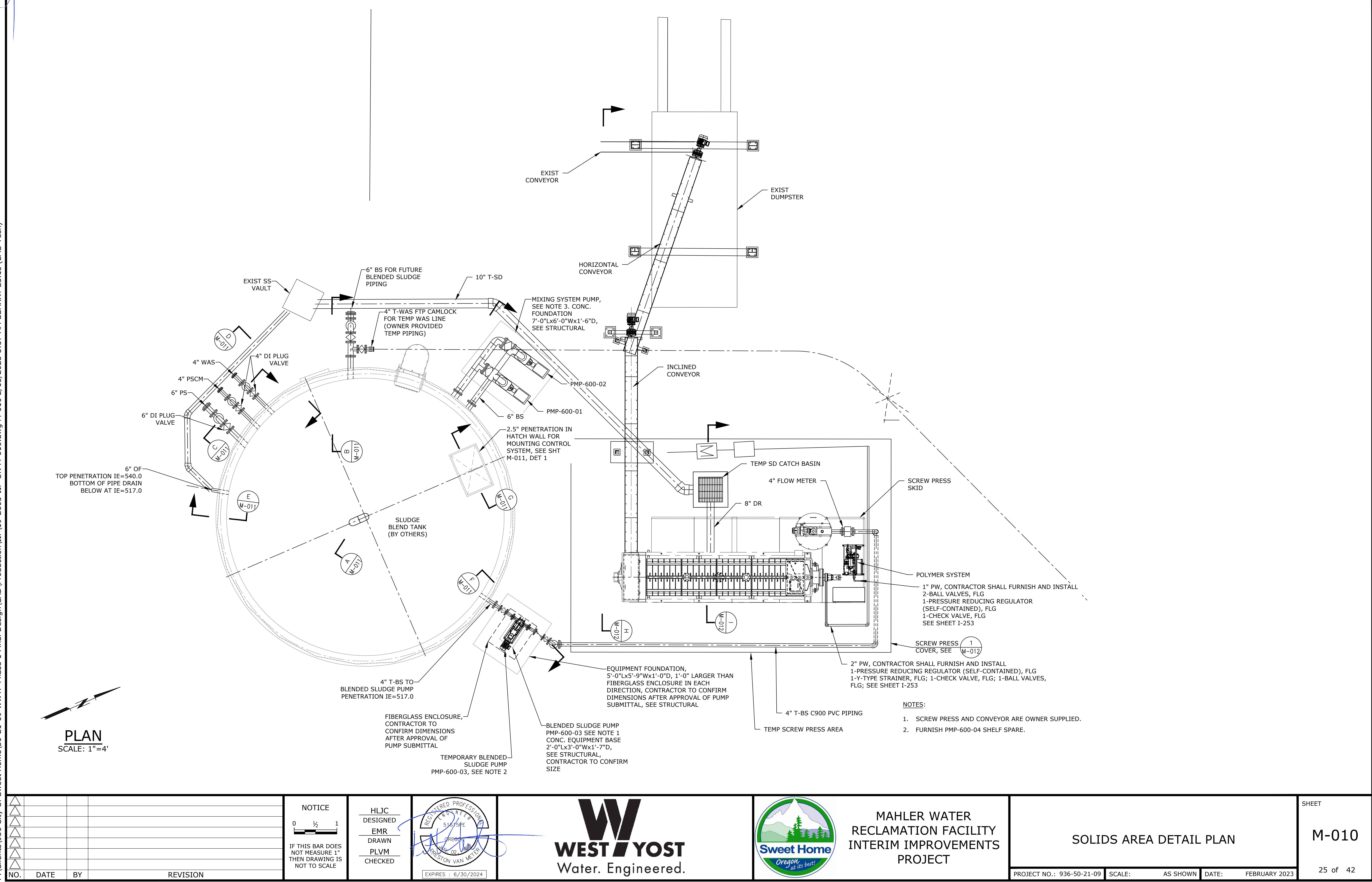
NO.	DATE	BY	REVISION

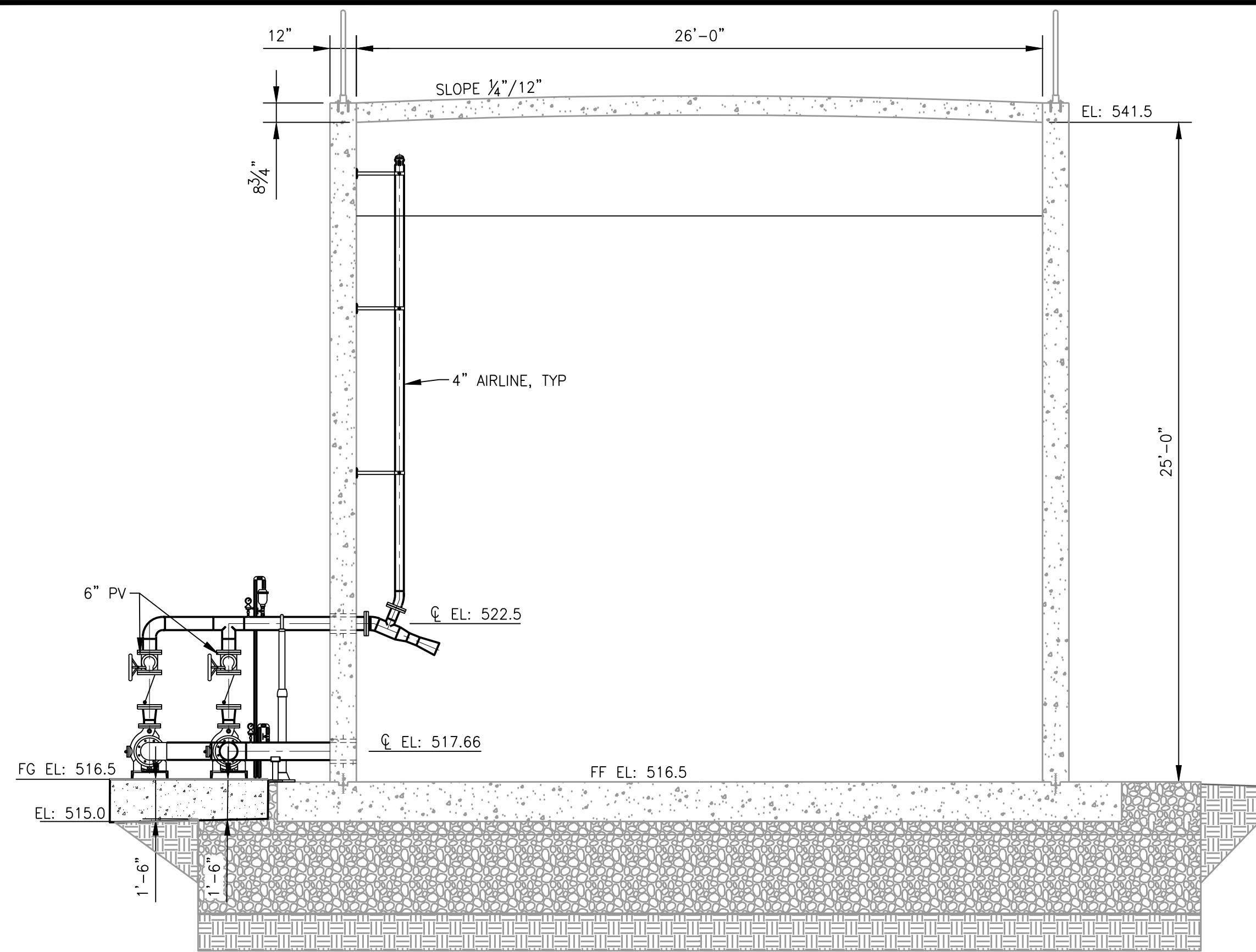
NOTICE 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	HLJC DESIGNED SMB DRAWN PLVM CHECKED PRESTON VAN METER EXPIRES: 6/30/2024
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WEST YOST
Water. Engineered.MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

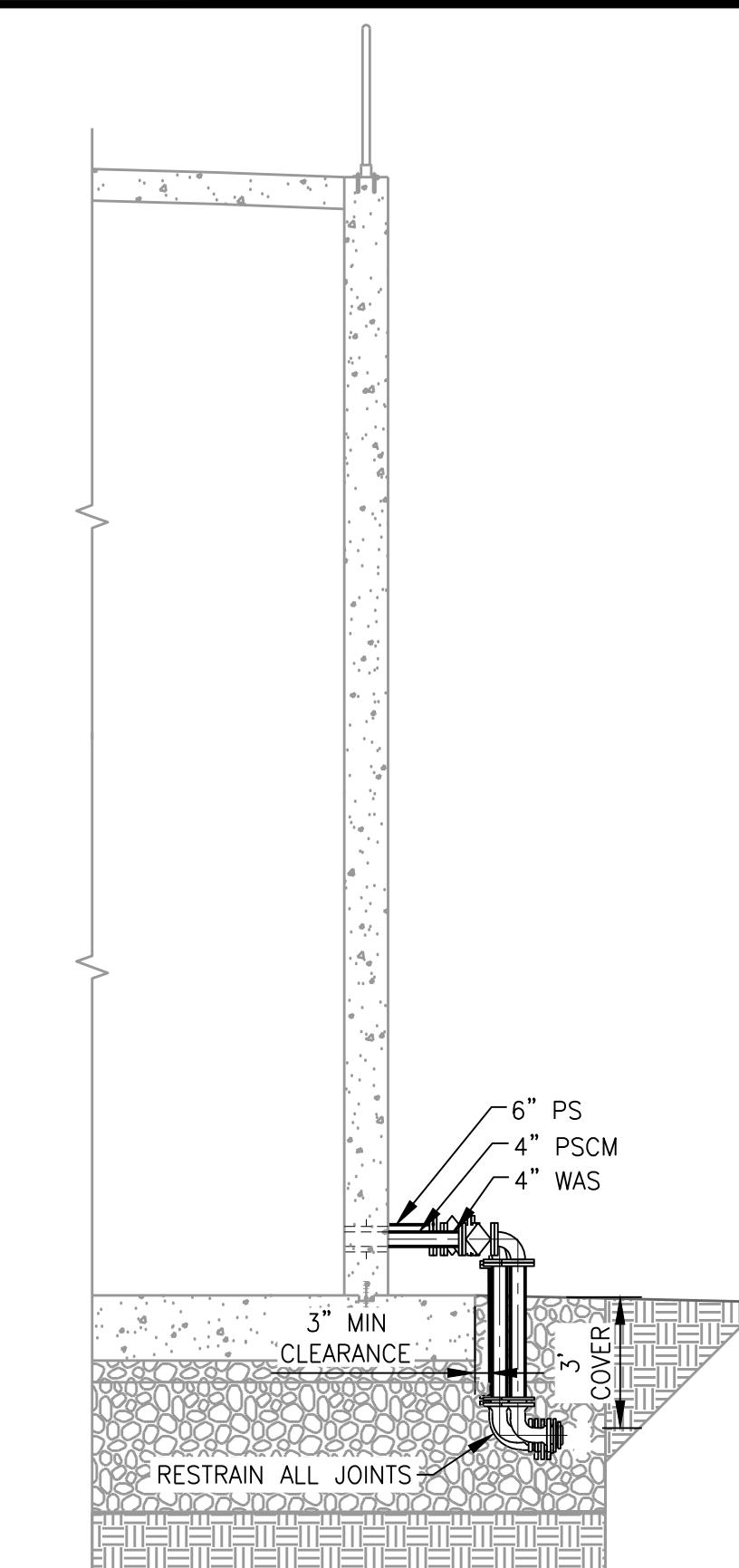
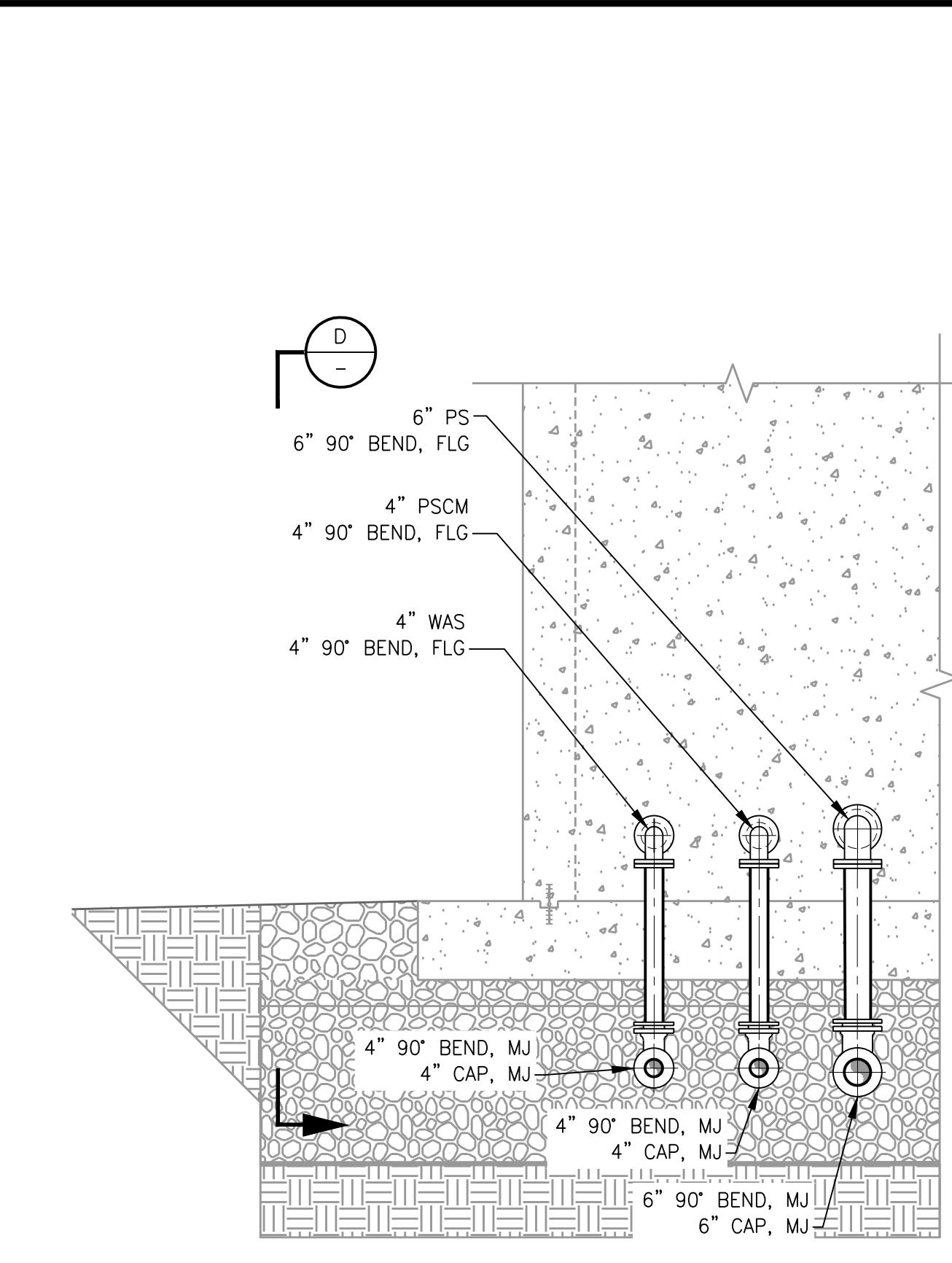
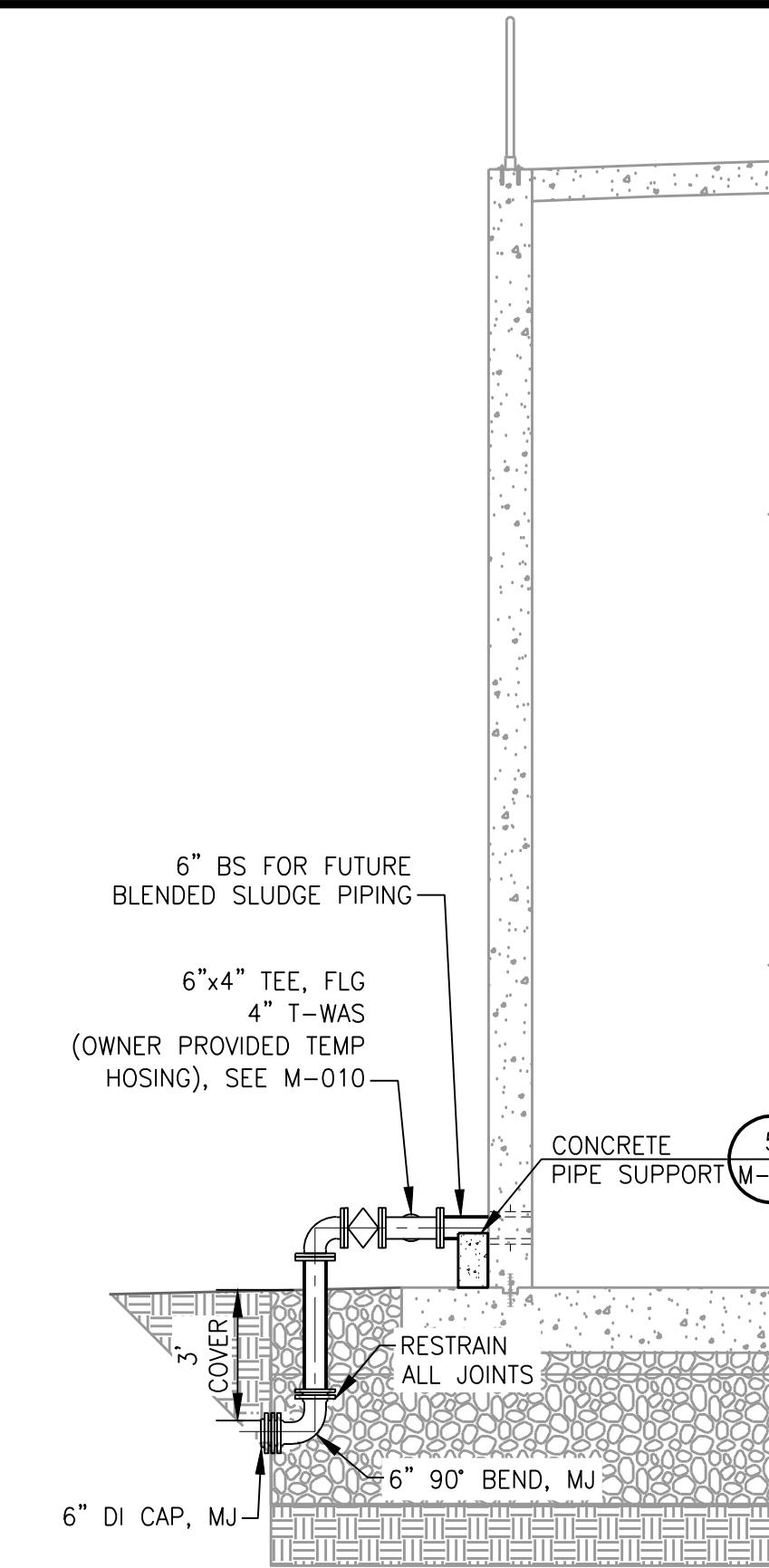
MECHANICAL DETAILS	PROJECT NO.: 936-50-21-09	SCALE: AS SHOWN	DATE: FEBRUARY 2023
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SHEET
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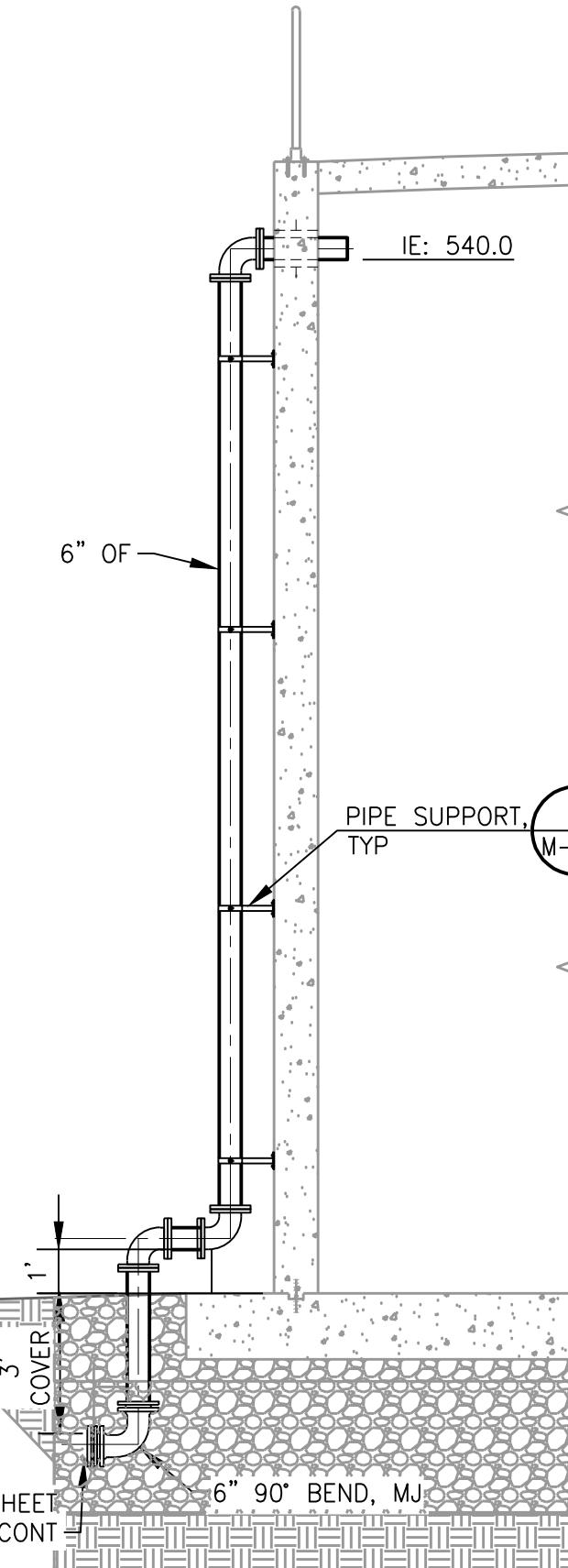




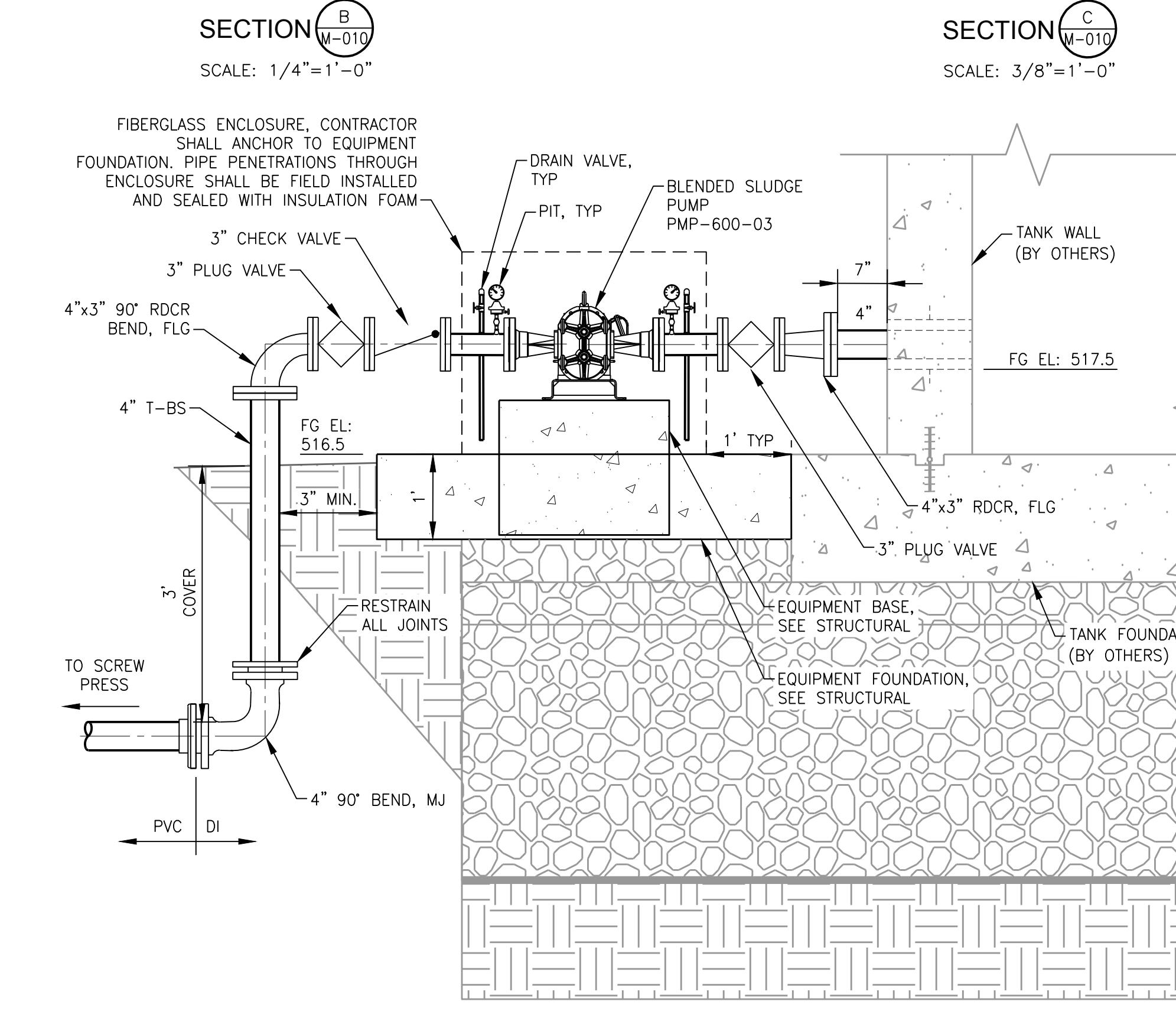
SECTION A
M-010
SCALE: 1/4"=1'-0"



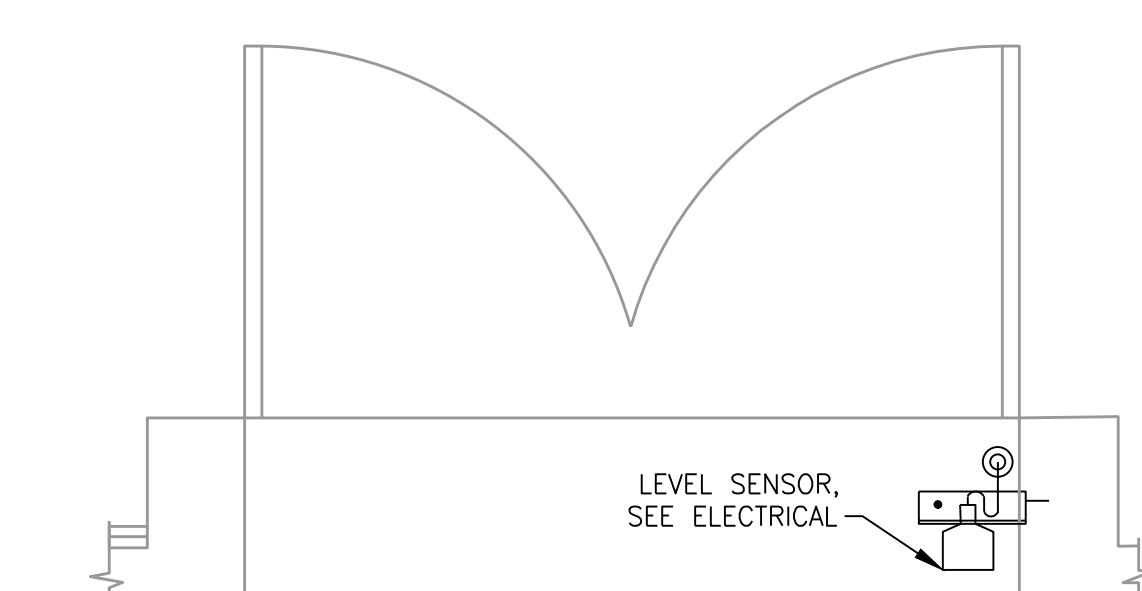
SECTION D
M-010
SCALE: 1/4"=1'-0"



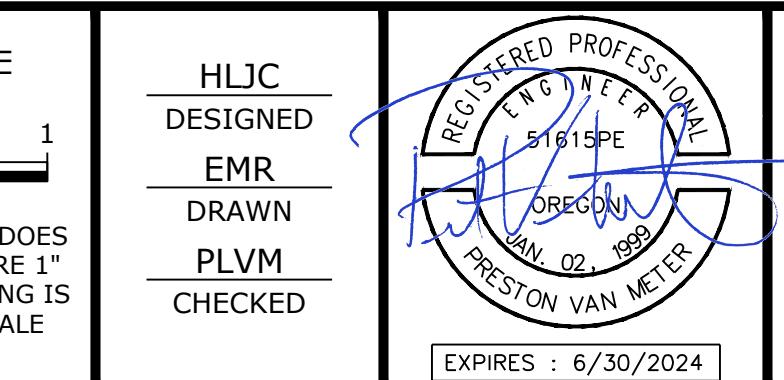
SECTION E
M-010
SCALE: 1/4"=1'-0"

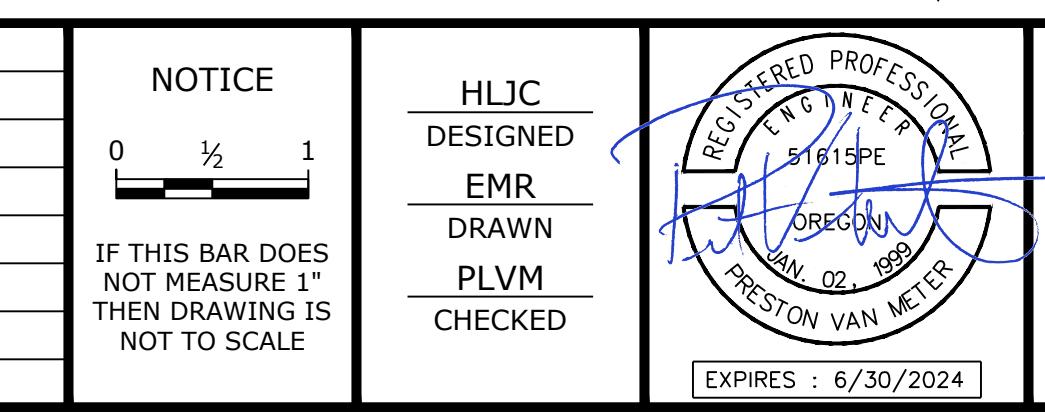


SECTION F
M-010
SCALE: 3/4"=1'-0"



SECTION G
M-010
NOT TO SCALE

NOTICE	0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	
HLJC DESIGNED EMR DRAWN PLVM CHECKED	
REVISION	EXPIRES: 6/30/2024



WEST YOST
Water. Engineered.

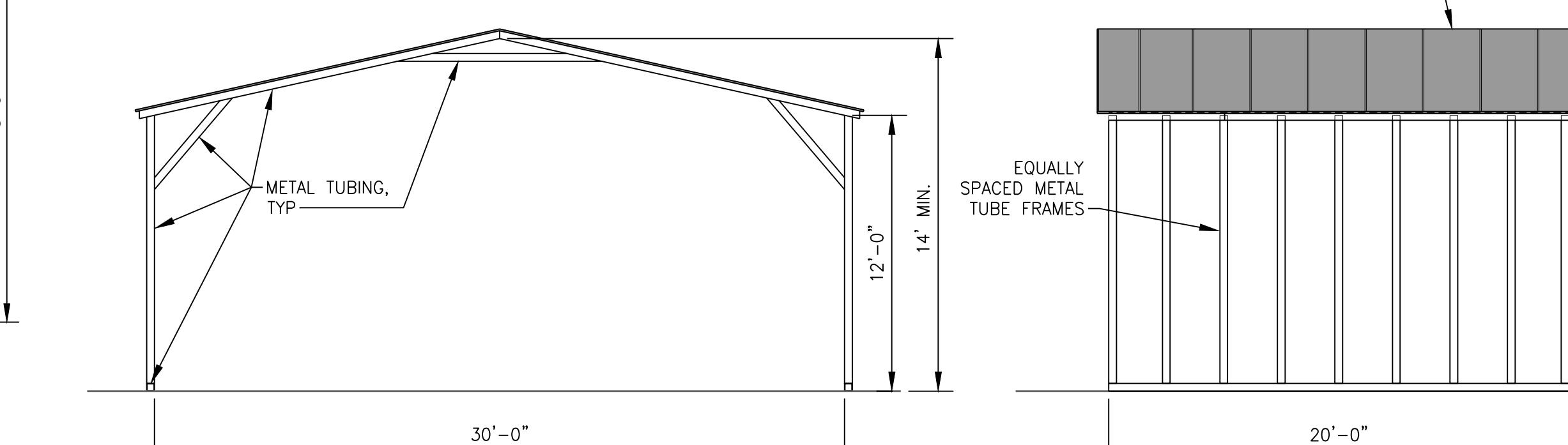
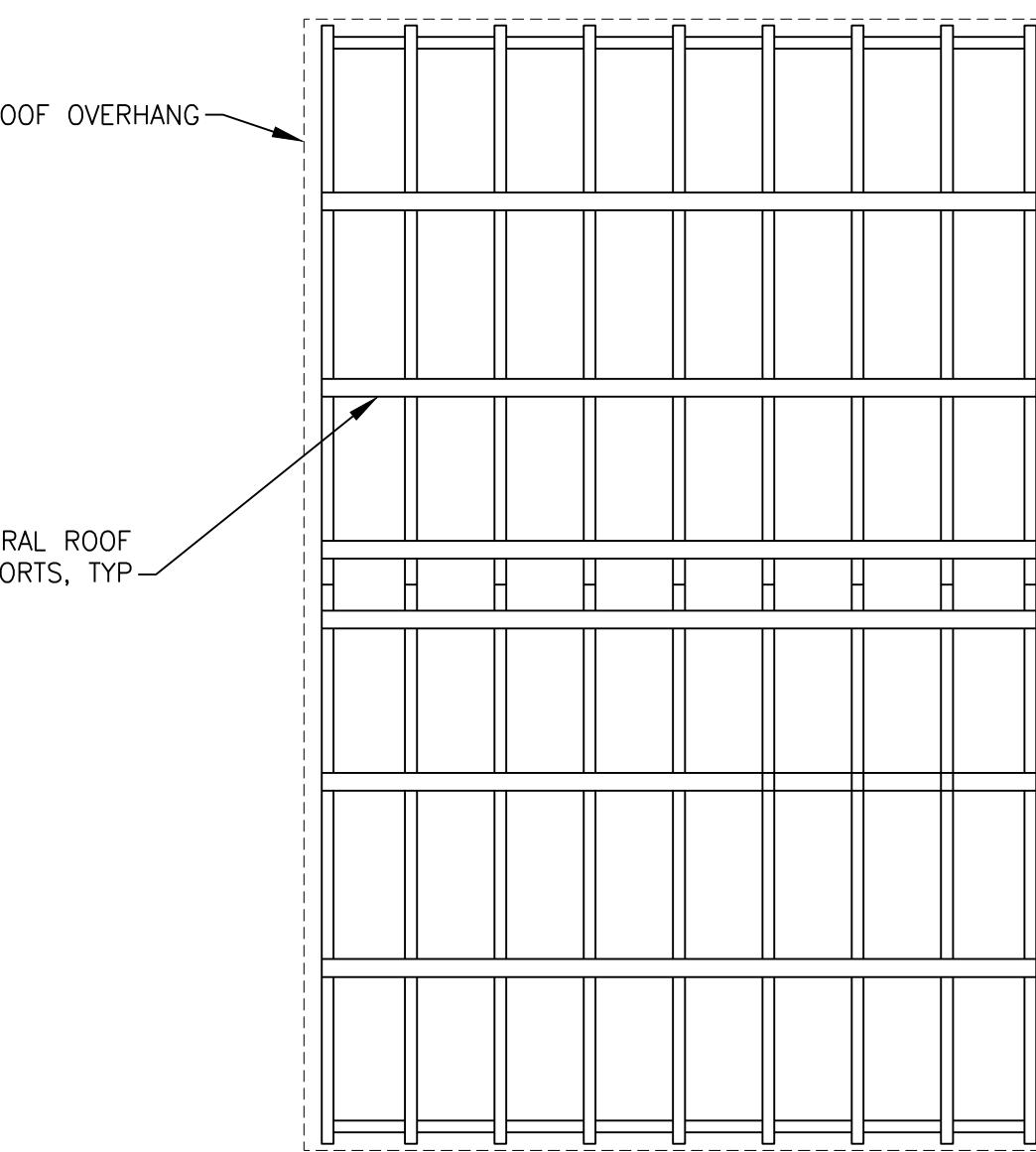
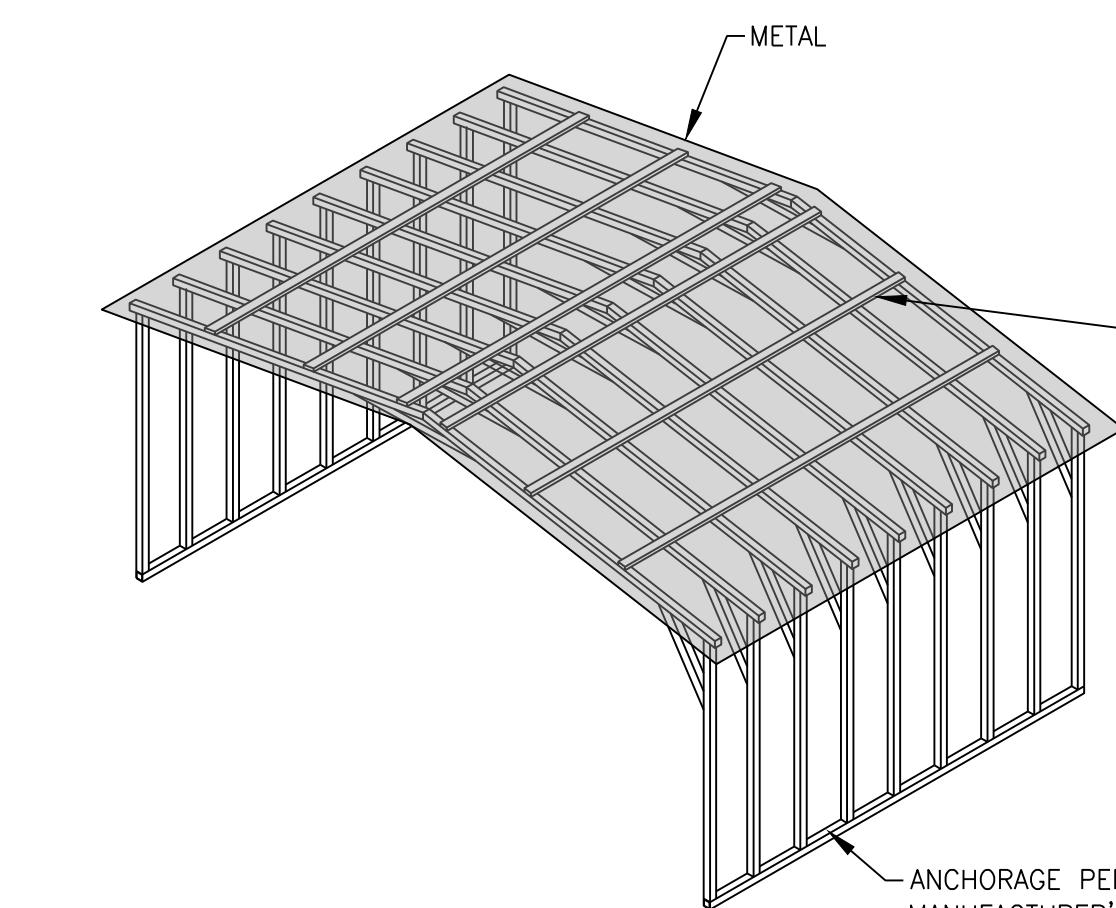
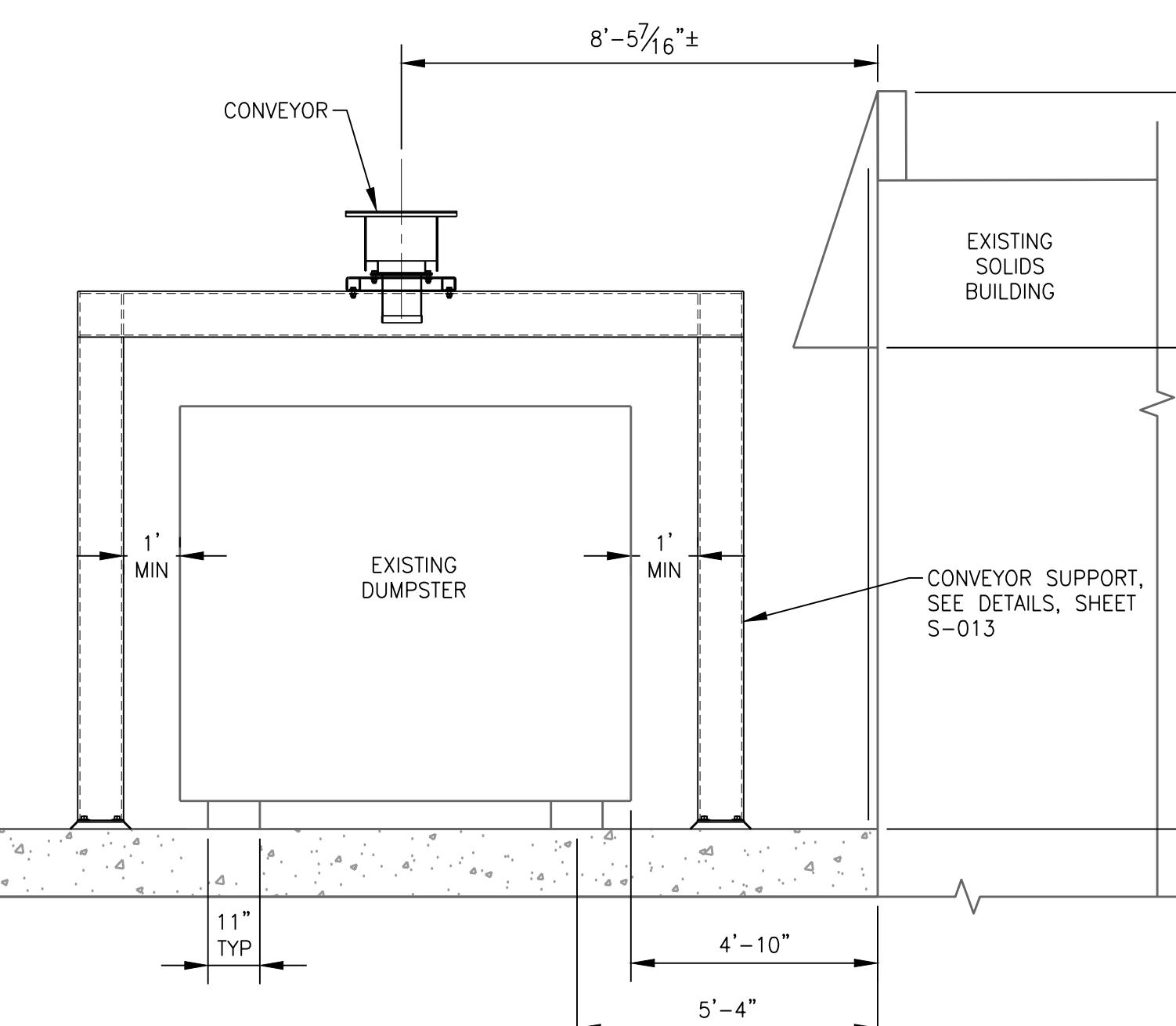
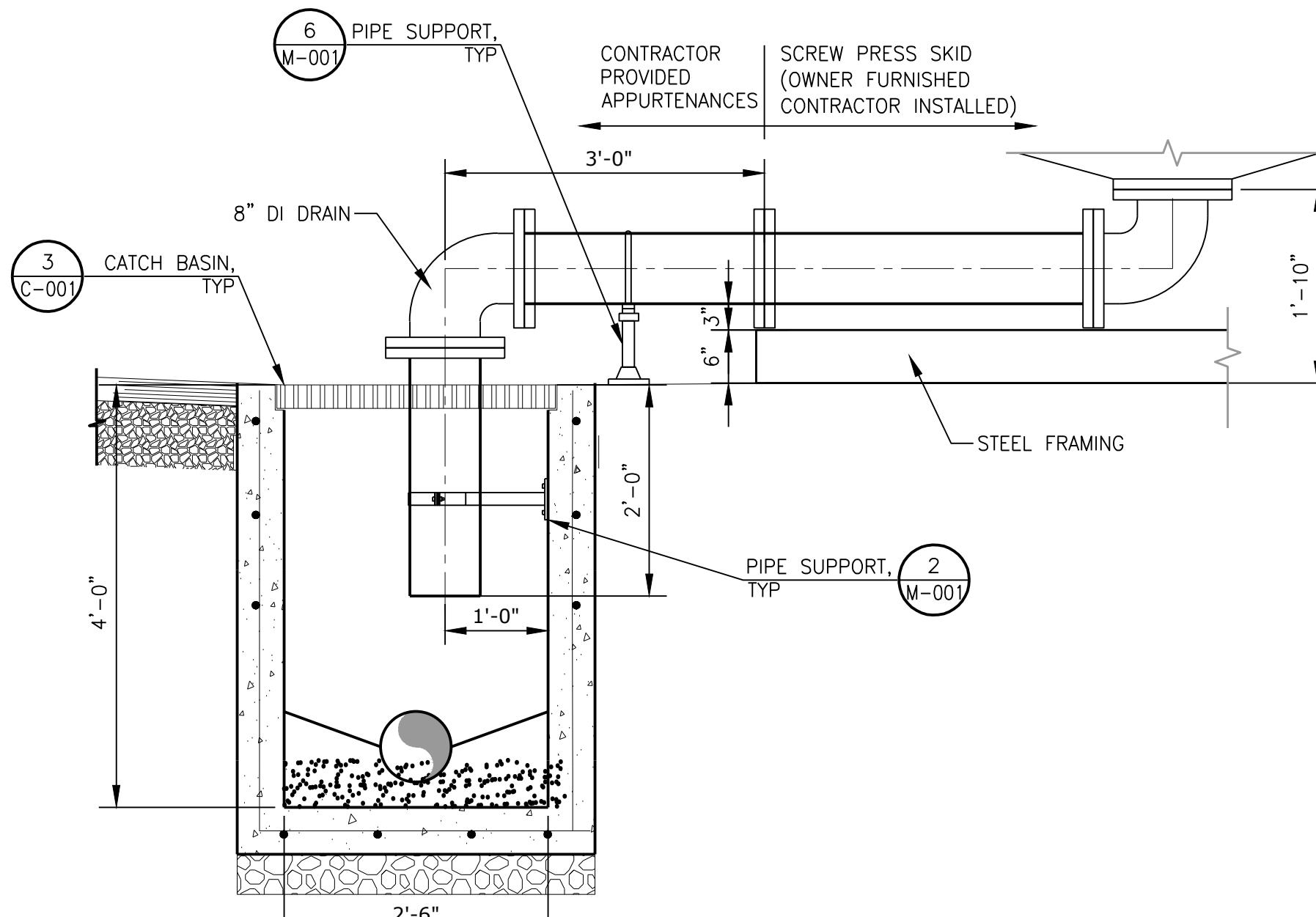
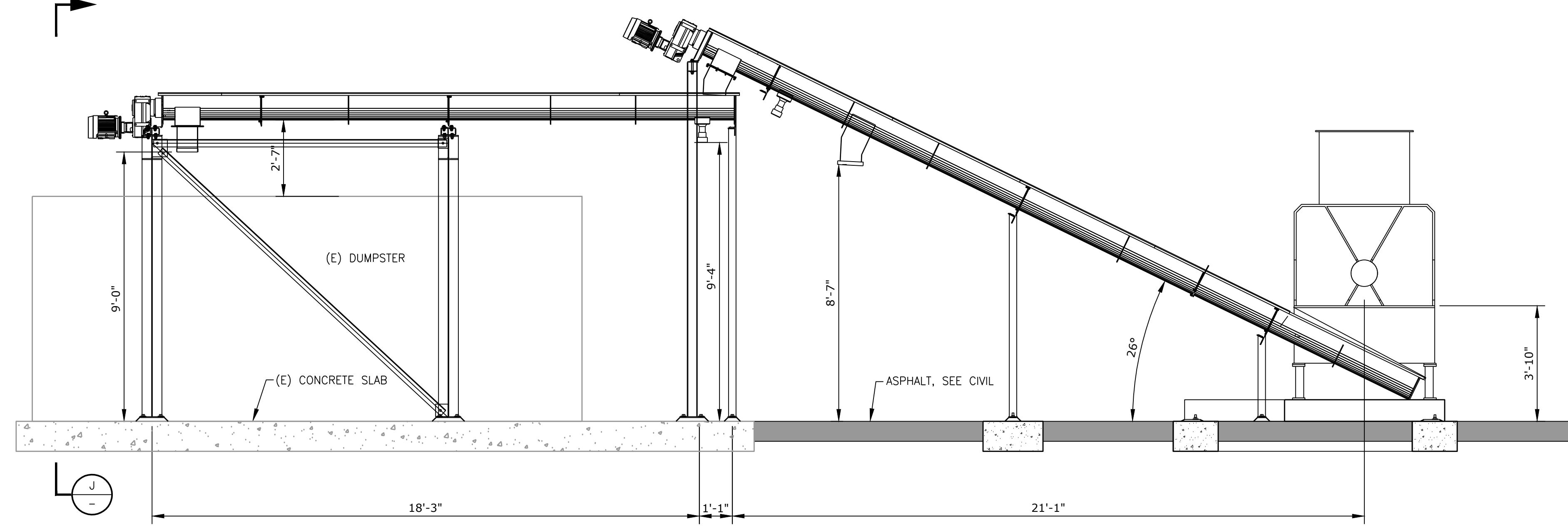


MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

SLUDGE BLEND TANK
SECTIONS AND DETAILS

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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SIDE ELEVATION VIEW

SCREW PRESS COVER

MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

SCREW PRESS SECTIONS AND DETAILS

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

NO.	DATE	BY	REVISION

NOTICE
0 $\frac{1}{2}$ 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO SCALE

BS
DESIGNED
EMR
DRAWN
PLVM
CHECKED

REGISTERED PROFESSIONAL
ELECTRICAL
OREGON
PRESTON VAN METER
EXPIRES: 6/30/2024

WEST YOST
Water. Engineered.

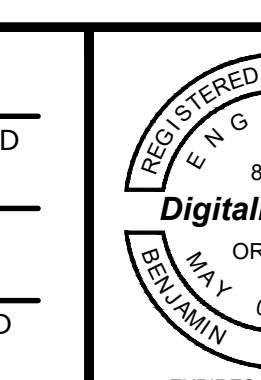
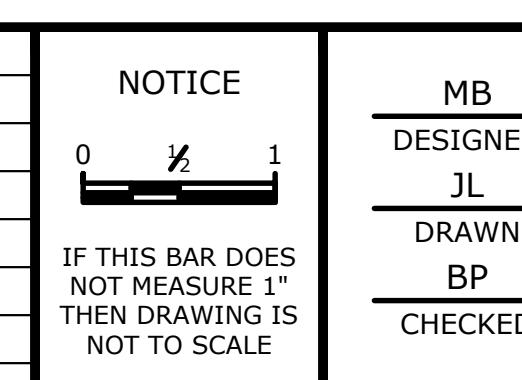
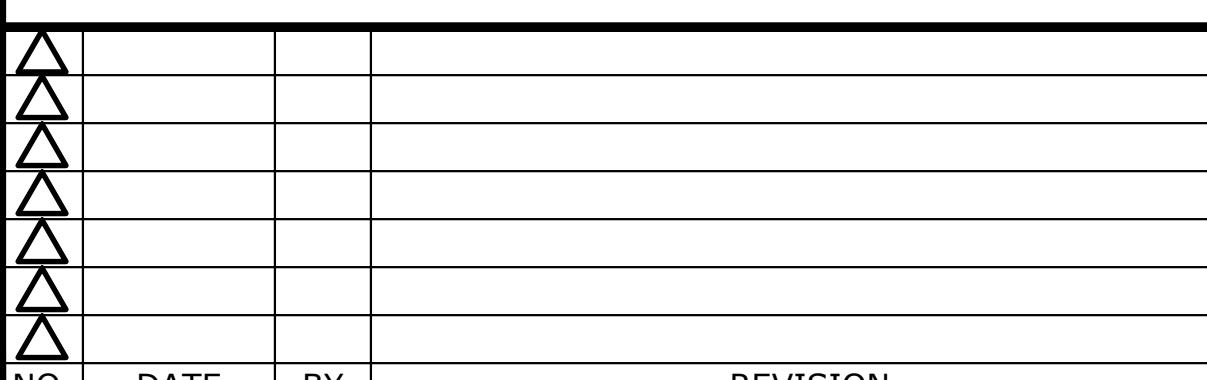


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Electrical Abbreviations, General Notes, & Symbol Legend

Abbreviations

A	AMPERE	MCA	MINIMUM CIRCUIT AMPACITY
AC	ALTERNATING CURRENT, AIR CONDITIONING UNIT	MCC	MOTOR CONTROL CENTER
AHJ	AUTHORITY HAVING JURISDICTION	MCP	MOTOR CIRCUIT PROTECTOR
AI	ANALOG INPUT	MDF	MAIN DISTRIBUTION FRAME
AIC	AVAILABLE INTERRUPTING CAPACITY	MHz	MEGAHERTZ
AF	AMPERE FRAME / AMPERE FUSED	MISC	MISCELLANEOUS
AFC	ABOVE FINISHED CEILING	MOLO	MAIN LUGS ONLY
AFF	ABOVE FINISHED FLOOR	MOCP	MAXIMUM OVERCURRENT PROTECTION
AFG	ABOVE FINISHED GRADE	N	NEUTRAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NAC	NOTIFICATION APPLIANCE CIRCUIT
AO	ANALOG OUTPUT	N/A	NOT APPLICABLE
ARMS	ARC FLASH REDUCTION MAINTENANCE SYSTEM	NC	NORMALLY CLOSED
AT	AMPERE TRIP	NEC	NATIONAL ELECTRICAL CODE
AV	AUDIO / VIDEO	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AWG	AMERICAN WIRE GAUGE	NEX	REPLACE EXISTING WIRING DEVICE AND FACEPLATE WITH NEW. BACK BOX AND CONDUIT SHALL REMAIN.
BAS	BUILDING AUTOMATION SYSTEM	NL	NIGHT LIGHT
BFG	BELOW FINISHED GRADE	NO	NORMALLY OPEN
BLDG	BUILDING	NTS	NOT TO SCALE
C	CONDUIT	OC	ON CENTER
CAT	CATEGORY	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CB	CIRCUIT BREAKER	OFOI	OWNER FURNISHED, OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	Ø	PHASE
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	PB	PULL BOX, PANIC BUTTON, PUSH BUTTON
CKT	CIRCUIT	PE	PHOTO EYE
CPT	CONTROL POWER TRANSFORMER	PNL	PANEL
CR	CONTROL RELAY	POE	POWER OVER ETHERNET
CU	COPPER	PTZ	PAN, TILT, ZOOM
dB	DECIBAL	RF	RADIO FREQUENCY
DC	DIRECT CURRENT	RFI	REQUEST FOR INFORMATION
DI	DIGITAL INPUT	SLC	SIGNALING LINE CIRCUIT
DIM	DIMENSION	SPD	SURGE PROTECTION DEVICE
DIV	DIVISION	STD	STANDARD
DO	DIGITAL OUTPUT	SW	SWITCH
DTL	DETAIL	T/M	THERMAL MAGNETIC CIRCUIT BREAKER
DWG	DRAWING	TBD	TO BE DETERMINED
EIP	ETHERNET IP	TV	TELEVISION / MONITOR OUTLET
EL	ELEVATION	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
EMT	ELECTRICAL METALLIC TUBING	TYP	TYPICAL
EOLR	END OF LINE RESISTOR	UH	UNIT HEATER
FACP	FIRE ALARM CONTROL PANEL	UG	UNDERGROUND
FF	FINISH FLOOR	UL	UNDERWRITERS LABORATORIES
FLA	FULL LOAD AMPERES	UPS	UNINTERRUPTIBLE POWER SUPPLY
FT	FOOT, FEET	UON	UNLESS OTHERWISE NOTED
FBO	FURNISHED BY OTHERS	USB	UNIVERSAL SERIAL BUS
G, GND	GROUND	V	VOLTS, VOLTAGE
GD	GAS DETECTOR	VA	VOLT-AMPERE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VFD	VARIABLE FREQUENCY DRIVE
HH	HAND HOLE	W	WATT, WIRE
HP	HORSEPOWER	WAN	WIDE AREA NETWORK
ID	IDENTIFICATION	WAP	WIRELESS ACCESS POINT
IDC	INITIATING DEVICE CIRCUIT	WI-FI	WIRELESS FIDELITY
IDF	INTERMEDIATE DISTRIBUTION FRAME	W/I	WITH
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	W/O	WITHOUT
IG	ISOLATED GROUND	XFMR	TRANSFORMER
IT	INFORMATION TECHNOLOGY	Y	WYE
JB	JUNCTION BOX	1P	ONE POLE
KAIC	THOUSAND AMPS INTERRUPTING CURRENT	2P	TWO POLE
KCMIL	THOUSAND CIRCULAR MILS	3P	THREE POLE
KVA	KILOVOLT-AMPERE	4P	FOUR POLE
KW	KILOWATT		
LAN	LOCAL AREA NETWORK		
LED	LIGHT EMITTING DIODE		
LS	LIMIT SWITCH		
LSI	ELECTRONIC TRIP UNIT ADJUSTABLE LONG TIME DELAY, SHORT TIME DELAY, INSTANTANEOUS TRIP		
LSIG	ELECTRONIC TRIP UNIT WITH ADJUSTABLE LONG TIME DELAY, SHORT TIME DELAY, INSTANTANEOUS TRIP, AND GROUND FAULT		
LV	LOW VOLTAGE		



Electrical Symbol Legend

Power Distribution

- ∅ DUPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ SIMPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ QUADPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ GFCI DUPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ GFCI QUADPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ TAMPER RESISTANT DUPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ TAMPER RESISTANT QUADPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ SWITCHED DUPLEX RECEPTACLE, MOUNTED AT 18" AFF, UON.
- ∅ NEMA SPECIAL RECEPTACLE, MOUNTED AT 18" AFF, UON. NEMA CONFIGURATION AS INDICATED.
- ∅ CENTER HATCHED RECEPTACLE TO BE WIRED TO EMERGENCY CIRCUIT.
- ∅ RECEPTACLE MOUNTED ON CEILING.
- ∅ RECEPTACLE MOUNTED IN-COUNTER.
- ∅ DISCONNECT SWITCH.
- ∅ FUSED DISCONNECT SWITCH.
- ∅ ENCLOSED CIRCUIT BREAKER.
- ∅ COMBINATION STARTER.
- ∅ FLOORBOX COMBINATION POWER & DATA.
- ∅ FLOORBOX POWER.
- ∅ POKETHRU COMBINATION POWER & DATA.
- ∅ POKETHRU POWER.
- ∅ POWER/DATA POLE.
- ∅ PANELBOARD SURFACE MOUNT.
- ∅ PANELBOARD FLUSH MOUNT.
- ∅ MAIN DISTRIBUTION PANEL.
- ∅ UTILITY CT METER.
- ∅ UTILITY TRANSFORMER.

Drawing Symbol Variables

- 3 THREE WAY SWITCH.
- 4 FOUR WAY SWITCH.
- #J QUANTITY OF JACKS AND HORIZONTAL CABLES.
- J = CAT6, JA = CAT6A, JE = CAT5E
- +XX MOUNTING UNITS EXPRESSED IN INCHES TO CENTERLINE ABOVE FINISHED FLOOR OR GRADE.
- C MOUNTED HORIZONTALLY AT 4" ABOVE COUNTERTOP.
- CL CLOCK.
- DR DUAL RELAY.
- E RED EMERGENCY SWITCH.
- EL ELEVATOR RECALL.
- ETR EXISTING DEVICE SHALL REMAIN.
- G GLASS BREAK SENSOR.
- K KEYED SWITCH.
- LF LOW FREQUENCY.
- LV LOW VOLTAGE SWITCH.
- M MOTOR RATED TOGGLE SWITCH.
- NEX REPLACE EXISTING WIRING DEVICE AND FACEPLATE WITH NEW. BACK BOX AND CONDUIT SHALL REMAIN.
- O INTEGRAL OCCUPANCY SENSOR.
- P ADA PHONE, VERIFY HEIGHT WITH ARCHITECT / OWNER.
- REX REMOVE EXISTING DEVICE / EQUIPMENT.
- TK MOUNTED IN TOE KICK OF CASEWORK.
- TV MOUNTED ADJACENT TO TV AT 60" AFF, UON.
- V VANDAL RESISTANT.
- WG WIREGUARD.
- WP WEATHERPROOF.

Lighting

- □ TROFFER LUMINAIRE, SURFACE OR RECESS MOUNTED AS INDICATED ON THE DRAWINGS.
- □ ○ DOWNLIGHT LUMINAIRE, SURFACE, RECESS, OR PENDANT MOUNTED AS INDICATED ON THE DRAWINGS.
- H UNDERCABINET LUMINAIRE.
- T EMERGENCY BATTERY PACK LUMINAIRE, WALL OR CEILING MOUNTED.
- L LINEAR PENDANT MOUNTED LUMINAIRE.
- L LINEAR WALL MOUNTED LUMINAIRE.
- B BOLLARD LUMINAIRE.
- S SITE LUMINAIRE POLE MOUNTED. NUMBER OF HEADS AS SHOWN.
- T TRACK LUMINAIRE.
- S SPOT LUMINAIRE.
- W WALL MOUNTED LUMINAIRE.
- X EXIT SIGN, WALL OR CEILING MOUNTED, SINGLE FACE WITH DIRECTIONAL CHEVRONS AS INDICATED ON DRAWINGS.
- X EXIT SIGN, WALL OR CEILING MOUNTED, DOUBLE FACE WITH DIRECTIONAL CHEVRONS AS INDICATED ON DRAWINGS.
- H HALF HATCHED LUMINAIRE TO BE WIRED TO EMERGENCY CIRCUIT.
- F FULL HATCHED LUMINAIRE TO BE WIRED TO NIGHTLIGHT CIRCUIT.
- W WALL WASH LUMINAIRE POINTED IN DIRECTION AS SHOWN

Raceways

- CONDUIT AND/OR CONDUCTORS INSTALLED ABOVE GRADE, CONCEALED IN WALL OR CEILING SPACE.
- CONDUIT AND/OR CONDUCTORS INSTALLED BELOW GRADE, BELOW SLAB.
- CONDUIT TURNED DOWN.
- CONDUIT TURNED UP.
- CONDUIT STUBBED AND CAPPED.
- CONDUIT DIRECT CONNECTION TO EQUIPMENT.
- FLEXIBLE CONNECTION TO EQUIPMENT.
- CONDUIT / WIRING CONTINUATION.
- HOMERUN TO PANELBOARD.
- CABLE TRAY. SIZE AND TYPE AS INDICATED ON DRAWINGS.

Switches

- \$ SINGLE POLE SWITCH - MOUNTED AT 42" AFF, UON.
- □ LOW VOLTAGE 0-10 VOLT DIMMING SWITCH - MOUNTED AT 42" AFF, UON.
- (M) M OCCUPANCY SENSOR - CEILING OR WALL MOUNTED.
- (P) P OCCUPANCY SENSOR POWER PACK.
- (P) PC PHOTOCELL - CEILING OR WALL MOUNTED.
- T ADA DOOR PUSHPLATE.
- □ EMERGENCY STOP SWITCH, MUSHROOM HEAD.
- □ □ PUSHBUTTON, SINGLE OR DOUBLE.

One-Line Diagram

- C CIRCUIT BREAKER.
- □ DRAWOUT CIRCUIT BREAKER.
- □ ENCLOSED CIRCUIT BREAKER.
- □ MOTOR STARTER CONTACT.
- □ DISCONNECT SWITCH.
- □ ENCLOSED DISCONNECT SWITCH.
- □ FUSED DISCONNECT SWITCH.
- □ ENCLOSED FUSED DISCONNECT SWITCH.
- □ CURRENT TRANSFORMER METER.
- □ FUSE, RATING AS SHOWN ON DRAWINGS.
- □ GENERATOR, CONFIGURATION AS INDICATED ON DRAWING.
- □ GROUND ROD.
- □ EQUIPMENT GROUND.
- □ MOTOR, RATED AS INDICATED ON DRAWINGS.
- □ NEMA CONNECTION.
- □ PANEL.
- □ MINI POWER CENTER.
- ST SHUNT TRIP.
- HTR HEATER.
- RA REMOTE ANNUNCIATOR.
- BATT BATTERY CHARGER.
- □ SURGE SUPPRESSION DEVICE.
- □ DIGITAL METER.
- VFD VARIABLE FREQUENCY DRIVE.
- □ SOFT STARTER.
- □ TRANSFER SWITCH, WITH FUSES OR BREAKERS AS SHOWN ON DRAWINGS.
- □ TRANSFORMER.

Miscellaneous

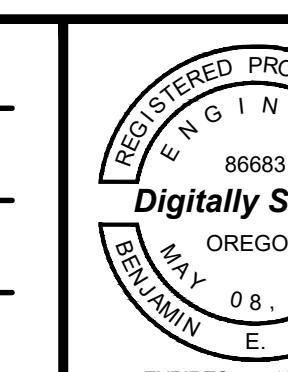
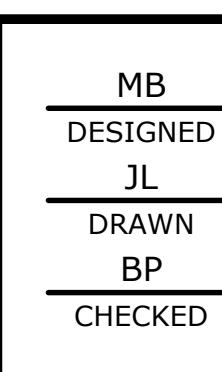
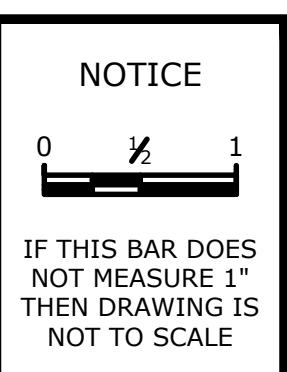
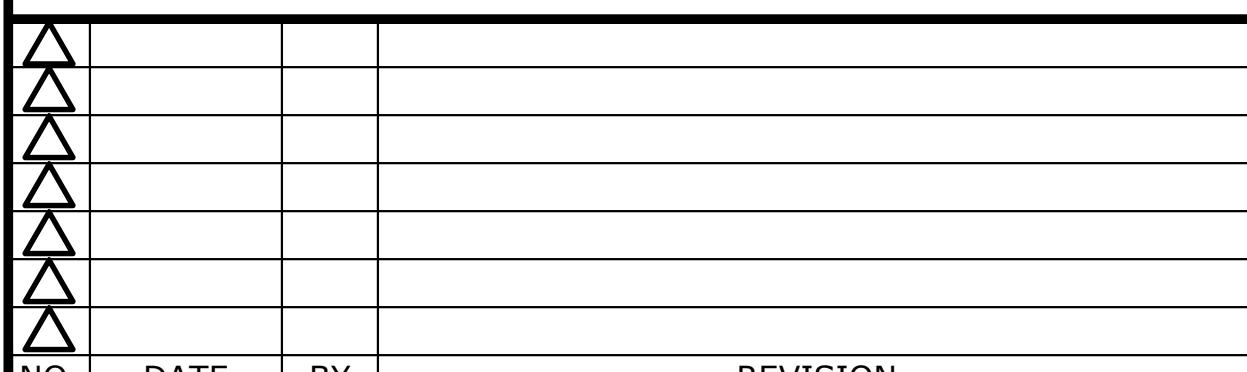
- J JUNCTION BOX (ROUND, SQUARE).
- T THERMOSTAT.
- R RELAY.
- U CORD REEL.
- M MOTOR / EXHAUST FAN.
- F CEILING FAN.
- P UTILITY POLE.
- P WEATHERHEAD.
- X GROUND ROD.
- □ GROUND ROD WITH TEST WELL.
- □ SURFACE RACEWAY / WIREMOLD.
- □ FIRE RATED BACKBOARD.
- □ GROUND BUS BAR.

Access Control & Security

- □ ACCESS CONTROL - DOOR CONTACT. PROVIDE 3/4" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING OR SECURITY JUNCTION BOX AS SHOWN ON THE DRAWINGS.
- □ ACCESS CONTROL - CARD READER. PROVIDE 3/4" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING OR SECURITY JUNCTION BOX AS SHOWN ON THE DRAWINGS.
- □ ACCESS CONTROL - ELECTRIC STRIKE. PROVIDE 3/4" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING OR SECURITY JUNCTION BOX AS SHOWN ON THE DRAWINGS.
- K ACCESS CONTROL - KEY PAD. PROVIDE 3/4" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING OR SECURITY JUNCTION BOX AS SHOWN ON THE DRAWINGS.
- □ ACCESS CONTROL - MAGNETIC LOCK. PROVIDE 3/4" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING OR SECURITY JUNCTION BOX AS SHOWN ON THE DRAWINGS.
- RX ACCESS CONTROL - REQUEST TO EXIT. PROVIDE 3/4" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING OR SECURITY JUNCTION BOX AS SHOWN ON THE DRAWINGS.
- PB ACCESS CONTROL - ELECTRIFIED PANIC BAR. PROVIDE 3/4" CONDUIT FROM DOOR FRAME TO ACCESSIBLE CEILING OR SECURITY JUNCTION BOX AS SHOWN ON THE DRAWINGS.
- S ACCESS CONTROL - SECURITY JUNCTION BOX. SIZED AS RECOMMENDED BY SECURITY SYSTEM MANUFACTURER.
- C ACCESS CONTROL - CAMERA / INTERCOM.
- □ ACCESS CONTROL - PANIC BUTTON.
- □ SECURITY CAMERA - CEILING MOUNTED. PROVIDE ONE (1) CAT6.
- □ SECURITY CAMERA - WALL MOUNTED. PROVIDE ONE (1) CAT6.
- S INTRUSION SENSOR - CEILING MOUNTED.
- HS INTRUSION SENSOR - WALL MOUNTED.
- IK INTRUSION KEYPAD.

Low Voltage

- □ ETHERNET OUTLET MOUNTED AT 18" AFF, UON.
- □ COAXIAL OUTLET MOUNTED AT 18" AFF, UON.
- □ PHONE OUTLET MOUNTED AT 18" AFF, UON.
- □ LOW VOLTAGE OUTLET CEILING MOUNTED.
- □ WIRELESS ACCESS POINT CEILING MOUNTED.
- □ WIRELESS ACCESS POINT WALL MOUNTED.
- □ DIGITAL CLOCK.
- □ FLOORBOX DATA.
- □ POKETHRU DATA.
- □ IT RACK.
- □ VERTICAL WIRE MANAGEMENT.



EXPIRES: 12-31-2024

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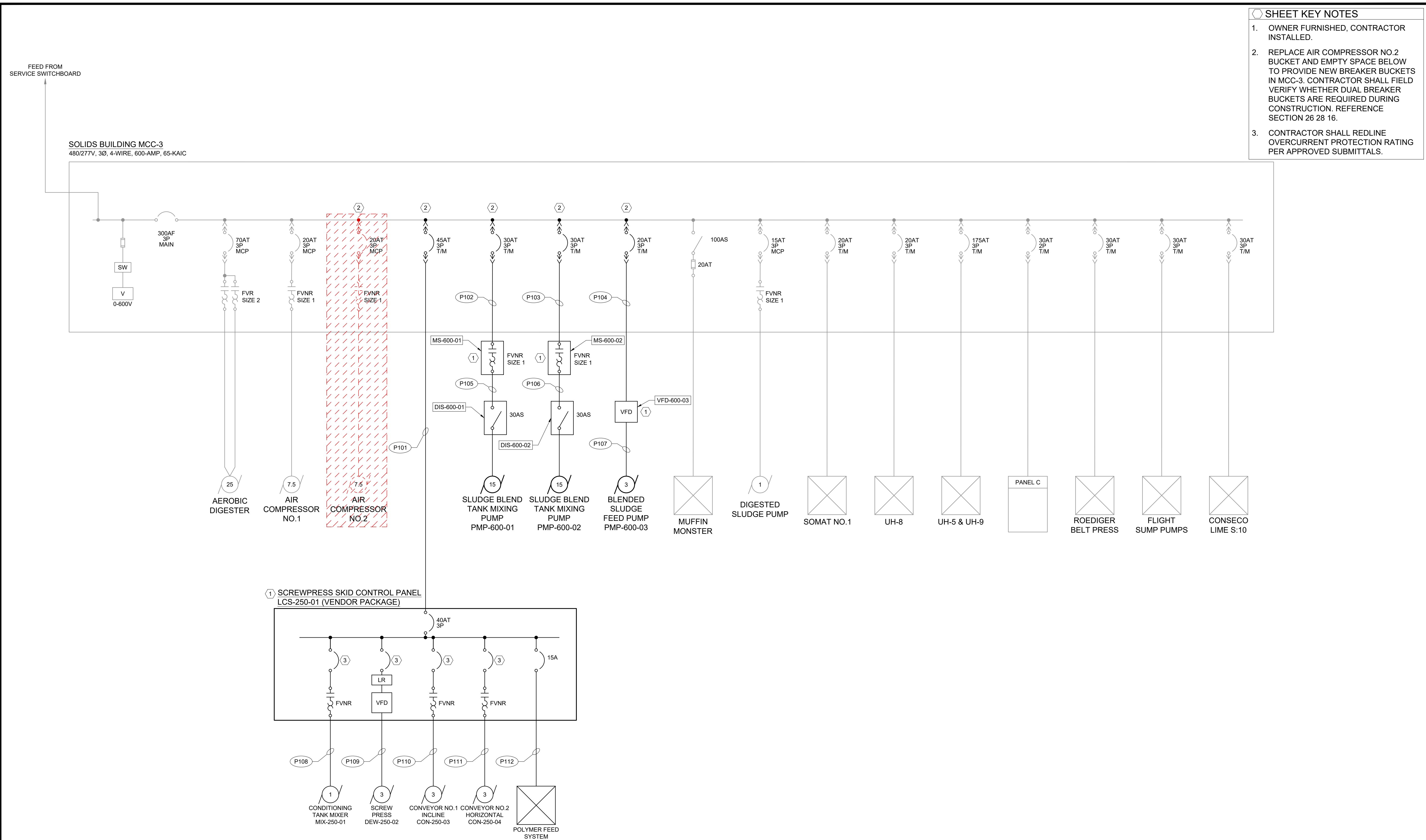
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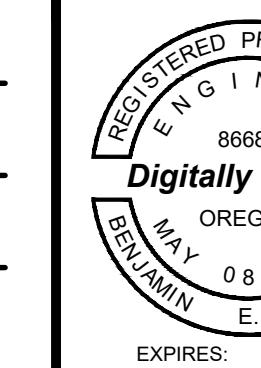
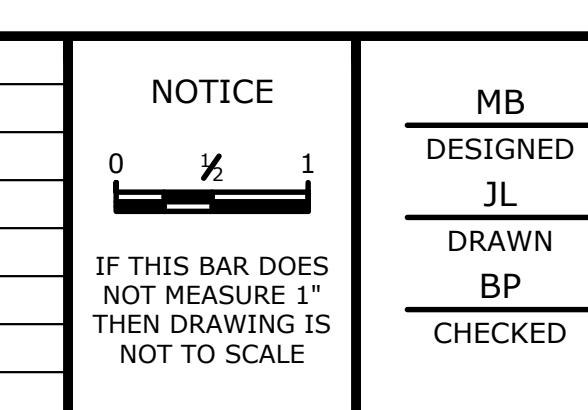
MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

ELECTRICAL SYMBOL LEGEND
PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

SHEET
E-002
29 of 42





A circular stamp with the words "PROFESSIONAL" and "ENGINEER" curved along the top. In the center, the word "SIGNED" is printed above the name "PERRY". Below the name is the date "JAN 2012". At the bottom of the circle is the date "12-31-2024".

The logo for West Yost Water Engineers. It features a large, bold, stylized 'W' at the top. Below the 'W', the word 'WEST' is written in a bold, sans-serif font, followed by a diagonal line, and then the word 'YOST' in a bold, sans-serif font. Below this, the words 'Water. Engineered.' are written in a smaller, regular sans-serif font.

LANDIS CONSULTING



MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

EXISTING MCC-3 ONE-LINE DIAGRAM

PROJECT NO.: 936-50-21-09 SCALE: AS SHOWN DATE: FEBURARY 2023

HEET

POWER CONDUIT / CONDUCTOR SCHEDULE											
CONDUIT ID NO.	CONDUIT		CONDUCTORS PER CONDUIT					FROM	TO	DESCRIPTION	NOTES
	QUANTITY	SIZE	UNGROUNDED	GROUNDING	CABLE	SPARE					
P101	1	1.0 INCH	3 - #6	-	1 - #10	-	-	EXISTING MCC-3	LCS-250-01	SCREWPRESS SKID CONTROL PANEL	-
P102	1	0.75 INCH	3 - #10	-	1 - #10	-	-	EXISTING MCC-3	MS-600-01	SLUDGE BLEND TANK MIXING PUMP NO. 1 MOTOR STARTER POWER	-
P103	1	0.75 INCH	3 - #10	-	1 - #12	-	-	EXISTING MCC-3	MS-600-02	SLUDGE BLEND TANK MIXING PUMP NO. 2 MOTOR STARTER POWER	-
P104	1	0.75 INCH	3 - #12	-	1 - #12	-	-	EXISTING MCC-3	VFD-600-03	BLENDED SLUDGE FEED PUMP VFD POWER	-
P105	1	0.75 INCH	3 - #10	-	1 - #10	-	-	MS-600-01	PMP-600-01	SLUDGE BLEND TANK MIXING PUMP NO. 1	1
P106	1	0.75 INCH	3 - #10	-	1 - #12	-	-	MS-600-02	PMP-600-02	SLUDGE BLEND TANK MIXING PUMP NO. 2	1
P107	1	0.75 INCH	3 - #12	-	1 - #12	-	-	VFD-600-03	PMP-600-03	BLENDED SLUDGE FEED PUMP	-
P108	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	MIX-250-01	CONDITIONING TANK MIXER	2
P109	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	DEW-250-02	SCREW PRESS MOTOR	2
P110	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	CON-250-03	INCLINE CONVEYOR	2
P111	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	CON-250-04	HORIZONTAL CONVEYOR	2
P112	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	POL-250-06	POLYMER FEED SYSTEM	2
P113	1	0.75 INCH	3 - #12	-	1 - #12	-	-	EXISTING PANEL 'C'	RCP-100	CKT. 12, RADIO TELEMETRY PANEL	3

NOTES:

[1] ROUTE CONDUIT VIA LOCAL DISCONNECT AS IDENTIFIED ON ONE-LINE AND SITE PLAN.

[2] EQUIPMENT IS PART OF OWNER FURNISHED, CONTRACTOR INSTALLED SCREWPRESS SKID PACKAGE. COORDINATE FINAL LOCATION OF EQUIPMENT WITH MECHANICAL AND SCREWPRESS VENDOR.

[3] PROVIDE 20A CIRCUIT BREAKER FOR EXISTING PANEL 'C' FOR THE OWNER FURNISHED, CONTRACTOR INSTALLED RADIO TELEMETRY PANEL, RCP-100.

CONTROL CONDUIT / CONDUCTOR SCHEDULE											
CONDUIT ID NO.	CONDUIT		CONDUCTORS PER CONDUIT					FROM	TO	DESCRIPTION	NOTES
	QUANTITY	SIZE	UNGROUNDED	GROUNDING	CABLE	SPARE					
C101	1	0.75 INCH	-	-	1 - #14	1 - CAT6	-	RCP-100	LCS-250-01	TELEMETRY E/IP COMMUNICATIONS	-
C102	1	0.75 INCH	14 - #14	-	1 - #14	-	-	LCS-250-01	MS-600-01	SLUDGE TANK MIXING PUMP NO.1 DISCRETE I/O: OVERLOAD, HIGH TEMP, HIGH PRESSURE ALARMS, MOTOR READY, IN-REMOTE, MOTOR RUNNING, AND START COMMAND	-
C103	1	0.75 INCH	14 - #14	-	1 - #14	-	-	LCS-250-01	MS-600-02	SLUDGE TANK MIXING PUMP NO.2 DISCRETE I/O: OVERLOAD, HIGH TEMP, HIGH PRESSURE ALARMS, MOTOR READY, IN-REMOTE, MOTOR RUNNING, AND START COMMAND	-
C104	1	0.75 INCH	12 - #14	-	1 - #14	-	-	LCS-250-01	VFD-600-03	BLENDED SLUDGE PUMP DISCRETE I/O: VFD FAIL, HIGH TEMP, HIGH PRESSURE ALARMS, MOTOR READY, IN-REMOTE, MOTOR RUNNING	-
C105	1	1.0 INCH	-	-	1 - #14	2 - TSP	-	LCS-250-01	VFD-600-03	BLENDED SLUDGE PUMP ANALOG I/O: SPEED FEEDBACK, SPEED SETPOINT	-
C106	1	0.75 INCH	-	-	1 - #14	1 - CAT6	-	LCS-250-01	FE/FIT-250-00	FLOWMETER E/IP CONNECTION	-
C107	1	0.75 INCH	2 - #14	-	1 - #14	-	-	LCS-250-01	FE/FIT-250-00	FLOWMETER 24VDC POWER	-
C108	-	-	-	-	-	-	-	-	-	-	-
C109	-	-	-	-	-	-	-	-	-	-	-
C110	-	-	-	-	-	-	-	-	-	-	-
C111	-	-	-	-	-	-	-	-	-	-	-
C112	-	-	-	-	-	-	-	-	-	-	-
C113	-	-	-	-	-	-	-	-	-	-	-
C114	1	0.75 INCH	6 - #14	-	1 - #14	-	-	LCS-250-01	CON-250-03	INCLINE CONVEYOR I/O: ZERO SPEED SWITCH (POWER & ALARM), E-STOP PULL CORD	3
C115	1	0.75 INCH	6 - #14	-	1 - #14	-	-	LCS-250-01	CON-250-04	HORIZONTAL CONVEYOR I/O: ZERO SPEED SWITCH (POWER & ALARM), E-STOP PULL CORD	3
C116	-	-	-	-	-	-	-	-	-	-	-
C117	-	-	-	-	-	-	-	-	-	-	-
C118	1	0.75 INCH	-	-	1 - #14	1 - TSP	-	LCS-250-01	LIT-600-01	LCS DEVICES: LOR, START, OFF, FAST STOP, RUNNING AND FAULT LIGHTS, PRESSURE & OVERTEMP ALARM	-
C119	1	1.0 INCH	18 - #14	-	1 - #14	-	-	MS-600-01	LCS-600-01	LCS DEVICES: LOR, START, OFF, FAST STOP, RUNNING AND FAULT LIGHTS, PRESSURE & OVERTEMP ALARM	1
C120	1	1.0 INCH	18 - #14	-	1 - #14	-	-	MS-600-02	LCS-600-01	LCS DEVICES: LOR, START, OFF, FAST STOP, RUNNING AND FAULT LIGHTS, PRESSURE & OVERTEMP ALARM	1
C121	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PSH-600-01	LCS-600-01	PRESSURE ALARM	2
C122	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PSH-600-02	LCS-600-01	PRESSURE ALARM	2
C123	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PSH-600-03	VFD-600-03	PRESSURE ALARM	-
C124	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PMP-600-01	LCS-600-01	HIGH TEMPERATURE ALARM	2
C125	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PMP-600-02	LCS-600-01	HIGH TEMPERATURE ALARM	2
C126	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PMP-600-03	VFD-600-03	HIGH TEMPERATURE ALARM	-
C127	-	-	-	-	-	-	-	-	-	-	-
C128	-	-	-	-	-	-	-	-	-	-	-

NOTES:

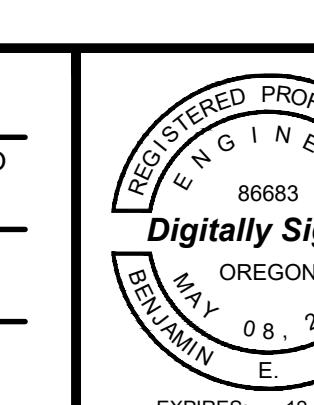
[1] ROUTE TEMPERATURE AND PRESSURE ALARMS VIA LCS-600-01 BACK TO THE CORRESPONDING MOTOR STARTER AS FAILSAFE ALARMS.

[2] ROUTE VIA LCS-600-01.

[3] INSTRUMENT IS PART OF OWNER FURNISHED, CONTRACTOR INSTALLED SCREWPRESS SKID PACKAGE. COORDINATE FINAL LOCATION OF INSTRUMENTS WITH MECHANICAL AND SCREWPRESS VENDOR.

NOTICE
0  1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

MB DESIGNED JL DRAWN BP CHECKED
Digitally Signed



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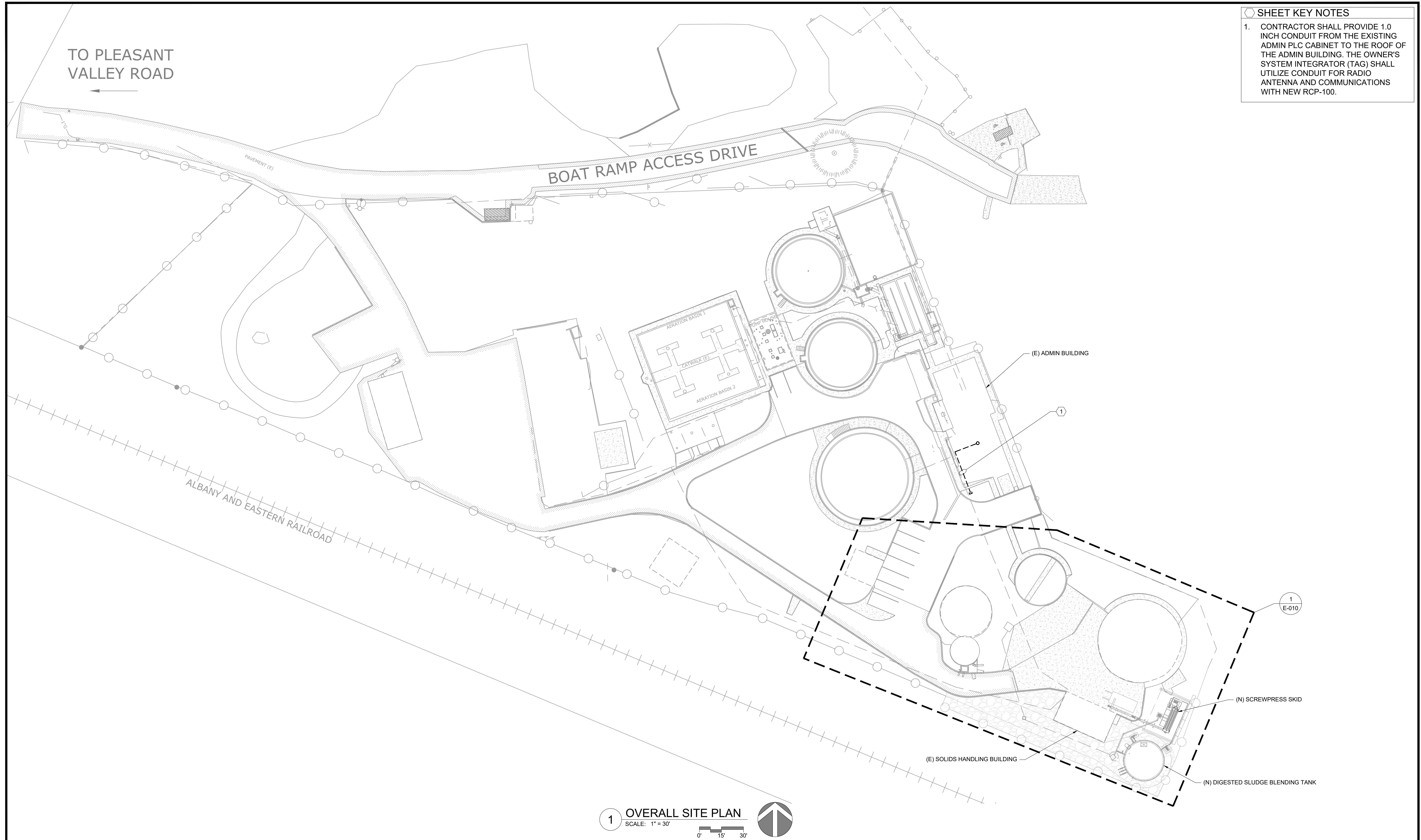
MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

ELECTRICAL CONDUIT SCHEDULE
PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

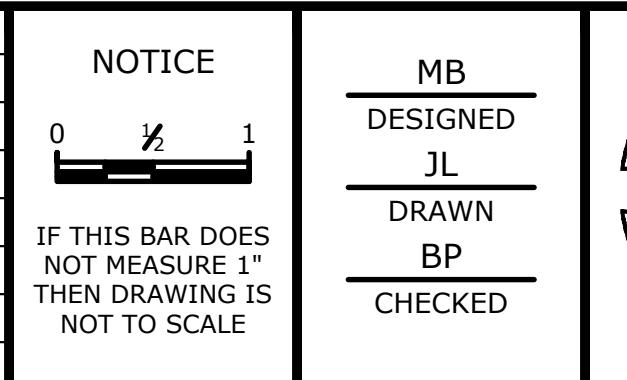
SHEET
E-005
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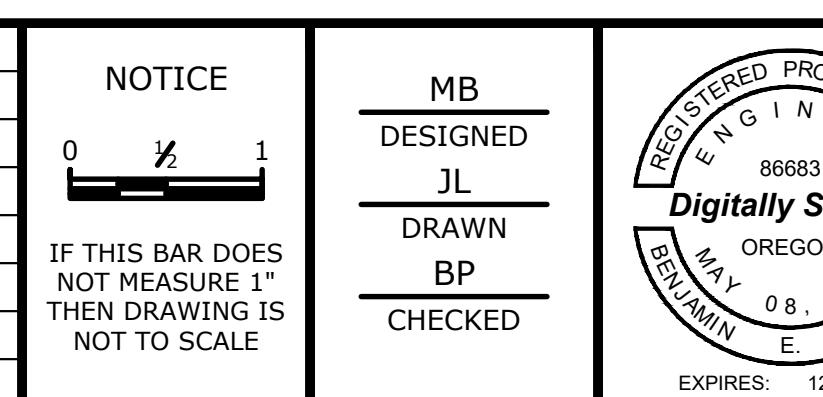
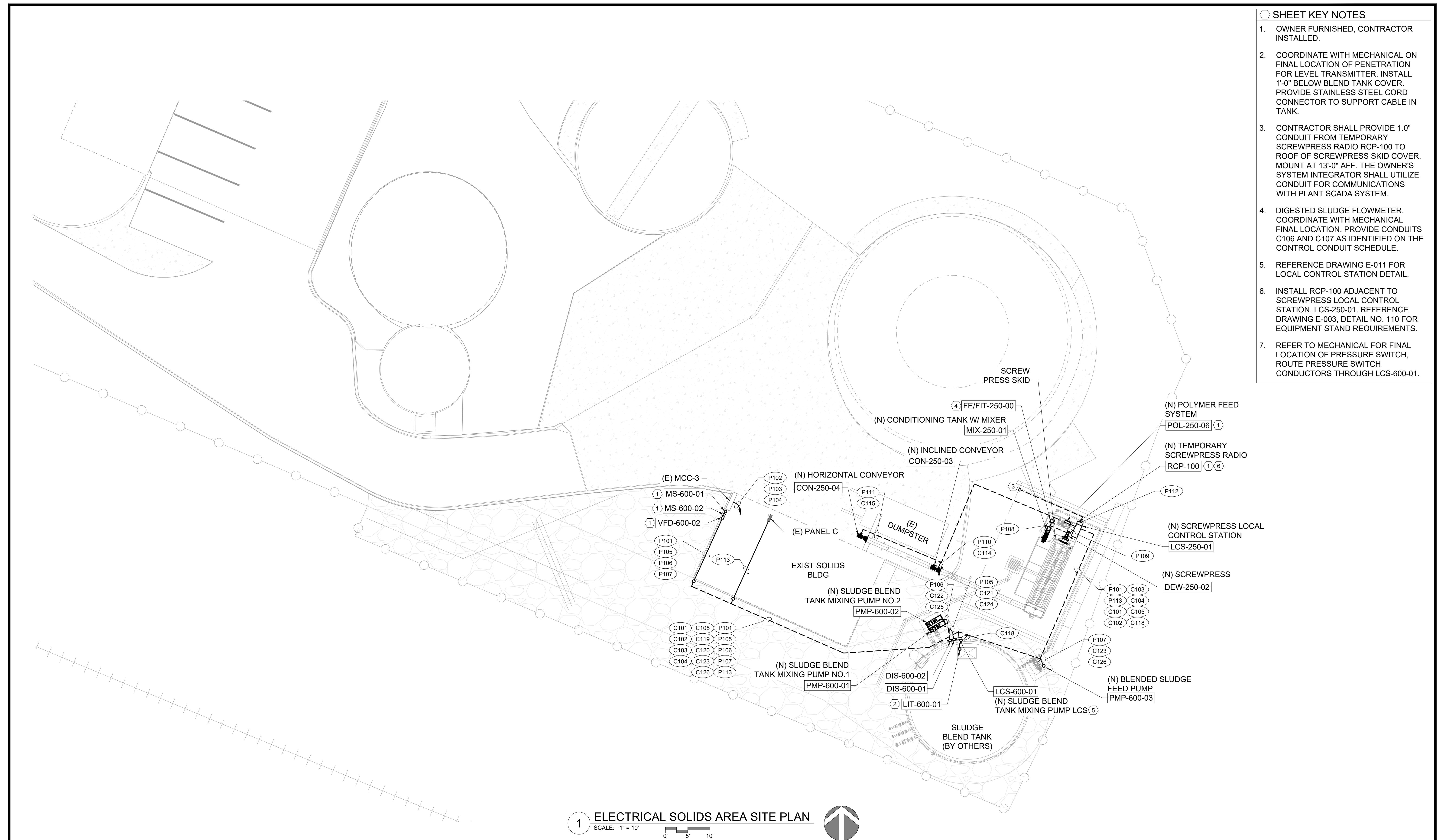
1. SHEET KEY NOTES

- CONTRACTOR SHALL PROVIDE 1.0 INCH CONDUIT FROM THE EXISTING ADMIN PLC CABINET TO THE ROOF OF THE ADMIN BUILDING. THE OWNER'S SYSTEM INTEGRATOR (TAG) SHALL UTILIZE CONDUIT FOR RADIO ANTENNA AND COMMUNICATIONS WITH NEW RCP-100.



▲		
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▲		
NO.	DATE	BY
		REVISION





The logo for West Perry Water Engineers. It features a large, stylized 'W' and 'Y' in the background. Overlaid on the 'W' is the word 'WEST' and over the 'Y' is the word 'YOS'. Below these, the tagline 'Water. Engineered.' is written in a smaller, sans-serif font. To the left of the main logo is a circular seal with the words 'PROFESSIONAL', 'P', 'R', 'ned', '12', 'PERRY', and '-2024' around the perimeter.

LANDIS CONSULTING

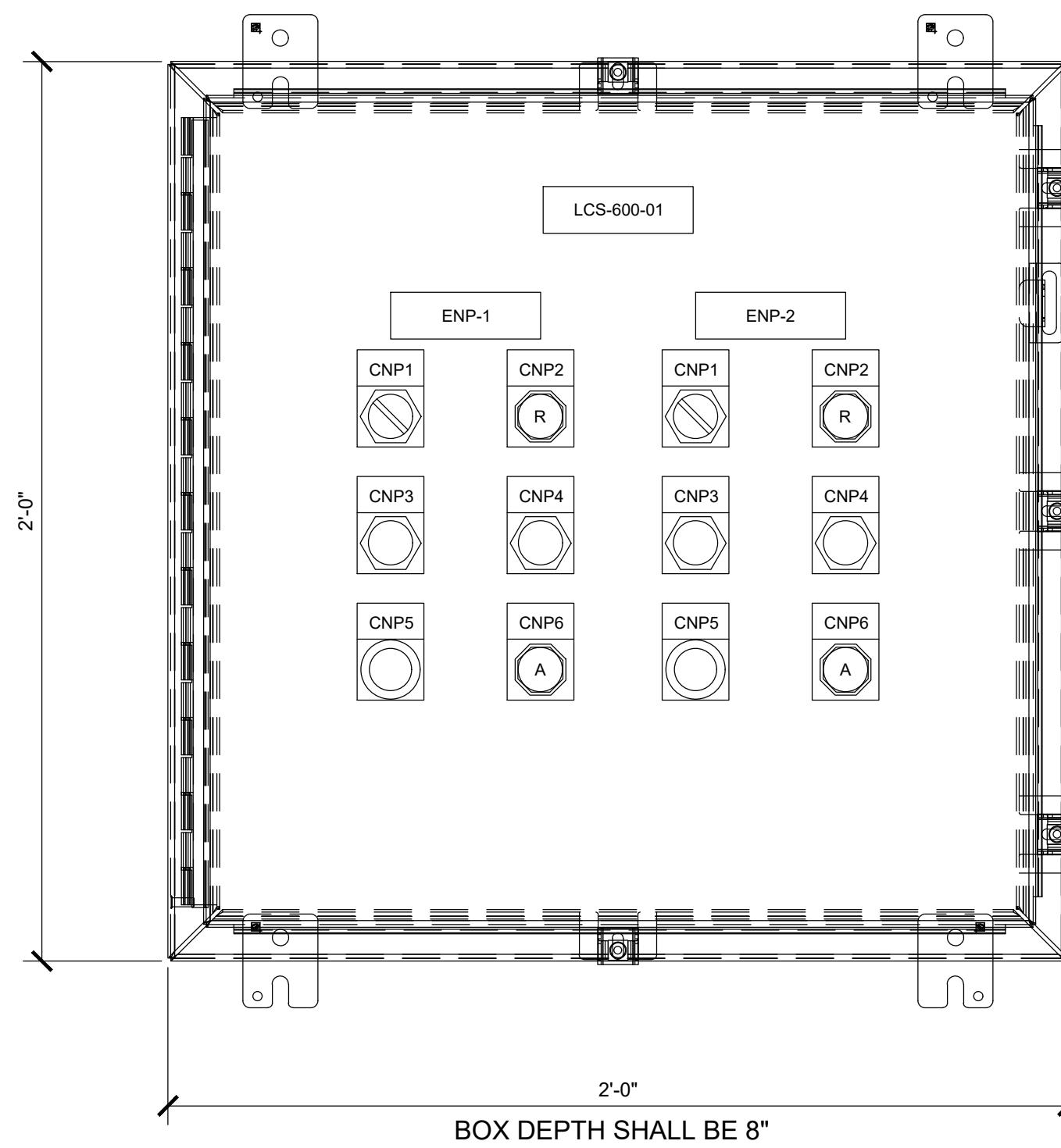


MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

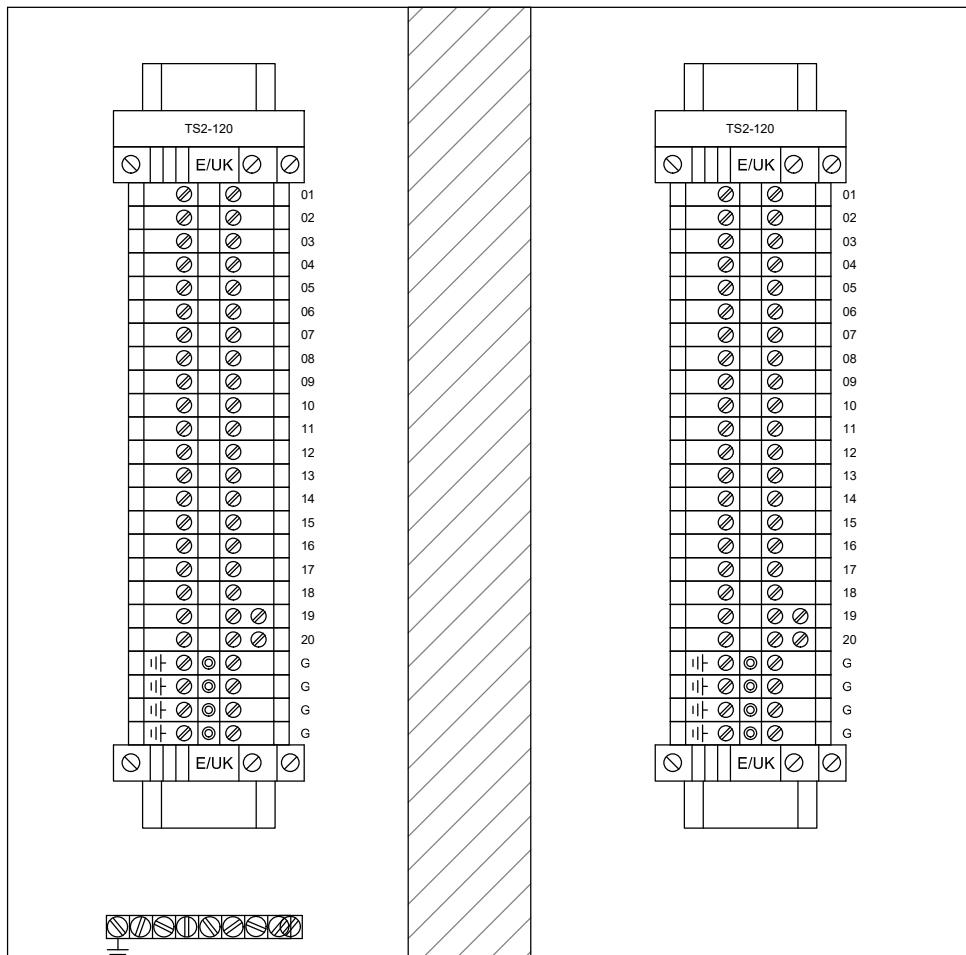
ELECTRICAL SOLIDS AREA SITE PLAN

SHEET

GENERAL SHEET NOTES
1. WIRING ON THE MOTOR SCHEMATIC IS TYPICAL FOR BOTH PUMPS.



1 LCS-600-01 FRONT ELEVATION
SCALE: NTS



2 LCS-600-01 INTERIOR ELEVATION
SCALE: NTS

SLUDGE BLEND TANK MIXING PUMP LOCAL CONTROL STATION PARTS LIST		
QUANTITY	REFERENCE KEYNOTE #	DESCRIPTION
1	407800.E01	STAINLESS STEEL, NEMA 4X ENCLOSURES
2	407800.S01	SELECTOR SWITCHES
4	407800.S02	PUSHBUTTON SWITCH
4	407800.L20	INDICATOR LIGHTS
AS REQ'D	407800.D10	DIN MOUNTING RAIL
AS REQ'D	407800.W21	NARROW SLOT WIRE DUCTS (NARROW SLOT)
AS REQ'D	407800.T10	LOW CURRENT TERMINAL BLOCKS
AS REQ'D	407800.T60	GROUNDING TERMINAL BLOCKS
1	407800.T15	TERMINAL STRIP IDENTIFICATION BLOCK
1	407800.G06	GROUND BARS

SLUDGE BLEND TANK MIXING PUMP LCS COMPONENT NAMEPLATE	
CNP	INSCRIPTION
1	LOCAL / OFF / REMOTE (3-POS)
2	RUNNING INDICATOR LIGHT (RED)
3	START PUSHBUTTON
4	STOP PUSHBUTTON
5	FAST STOP
6	MOTOR FAIL INDICATOR LIGHT (AMBER)

SLUDGE BLEND TANK MIXING PUMP LCS TITLE NAMEPLATE		
ENP	EQUIPMENT TAG	DESCRIPTION
1	PMP-600-01	SLUDGE BLEND TANK MIXING PUMP 1
2	PMP-600-02	SLUDGE BLEND TANK MIXING PUMP 2

3 LCS-600-01
NAMEPLATE & PARTS LIST
SCALE: NTS

NOTICE	0 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO SCALE	
MB DESIGNED JL DRAWN BP CHECKED	
RECORDED PROFESSIONAL 86683 REGISTERED ENGINEER BENJAMIN MAY 08, 2012 PERIOD Digitally Signed WEST YOST	
NO. DATE	BY
REVISION	

WEST YOST
Water. Engineered.

LANDIS
CONSULTING
Salem | Lake Oswego
503-584-1576
www.landisconsulting.com



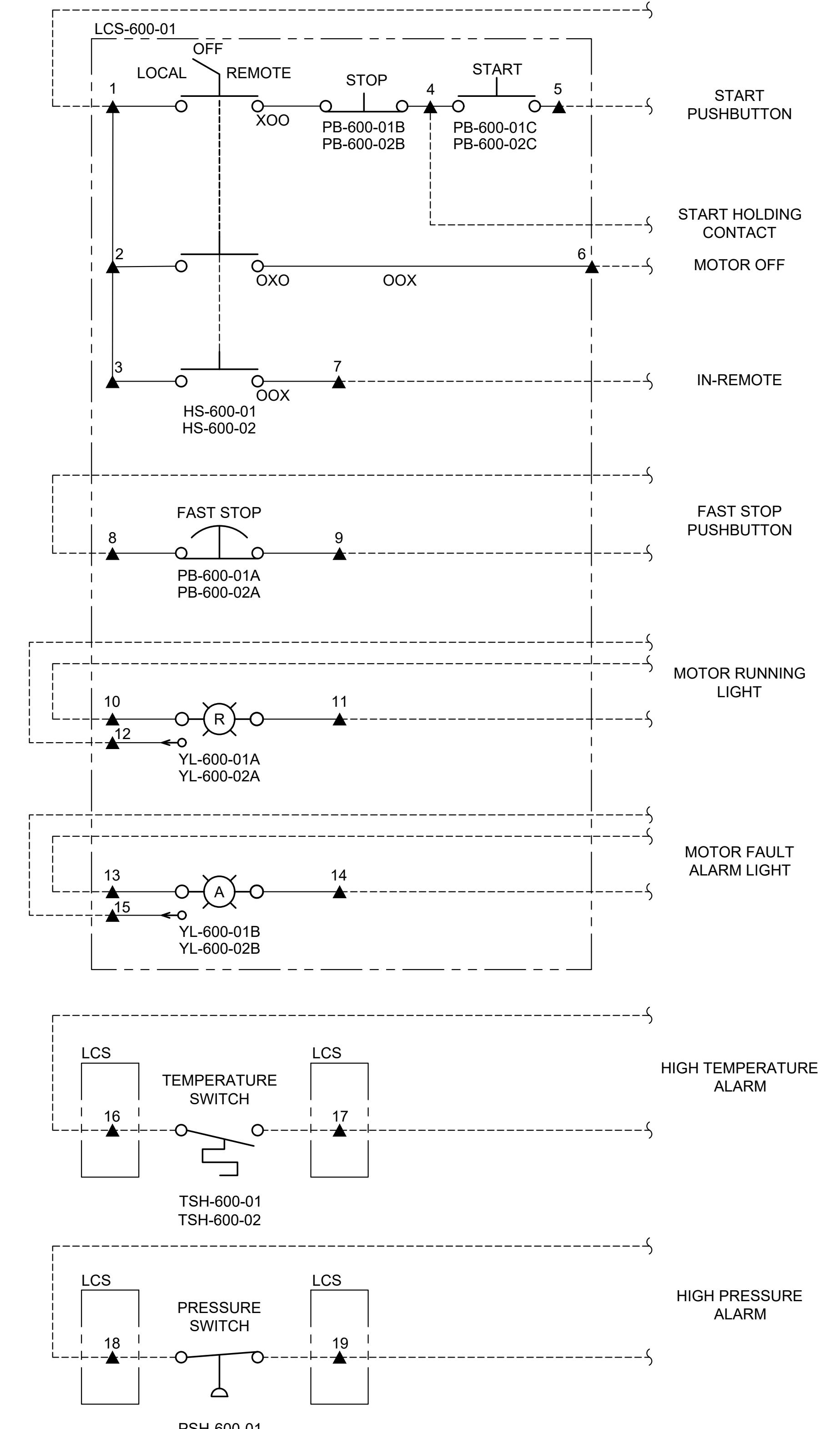
MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

LCS-600-01 ELEVATION DETAIL

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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4 LCS-600-01 WIRING SCHEMATIC
SCALE: NTS

GENERAL INSTRUMENT SYMBOLS

LOCATION/ACCESSIBILITY	DISCRETE INSTRUMENTS	SHARED DISPLAY AND CONTROL (DCS)	PLC	DISCRETE HARDWARE INTERLOCK
FIELD MOUNTED 1. FIELD OR LOCALLY MOUNTED. 2. ACCESSIBLE TO AN OPERATOR AT DEVICE.	○	○	□	◇
PRIMARY LOCATION NORMALLY ACCESSIBLE TO AN OPERATOR 1. CENTRAL OR MAIN CONTROL ROOM. 2. FRONT OF MAIN PANEL OR CONSOLE MOUNTED. 3. VISIBLE ON VIDEO DISPLAY. 4. ACCESSIBLE TO AN OPERATOR AT DEVICE OR CONSOLE.	○	○	□	
PRIMARY LOCATION NORMALLY INACCESSIBLE TO AN OPERATOR 1. REAR OF PANEL OR CABINET MOUNTED. 3. NOT VISIBLE ON VIDEO DISPLAY. 4. NOT NORMALLY ACCESSIBLE TO AN OPERATOR AT DEVICE OR CONSOLE.	○	○	□	
AUXILIARY LOCATION NORMALLY ACCESSIBLE TO AN OPERATOR 1. SECONDARY OR LOCAL CONTROL ROOM. 2. FIELD OR LOCAL CONTROL PANEL. 3. FRONT OF SECONDARY OR LOCAL PANEL MOUNTED. 4. VISIBLE ON VIDEO DISPLAY. 5. ACCESSIBLE TO AN OPERATOR AT DEVICE OR CONSOLE.	○	○	□	
AUXILIARY LOCATION NORMALLY INACCESSIBLE TO AN OPERATOR 1. SECONDARY OR LOCAL CONTROL ROOM. 2. FIELD OR LOCAL CONTROL PANEL. 3. REAR OF SECONDARY OR LOCAL PANEL OR CABINET MOUNTED. 4. NOT VISIBLE ON VIDEO DISPLAY. 5. NOT NORMALLY ACCESSIBLE TO AN OPERATOR AT DEVICE OR CONSOLE.	○	○	□	

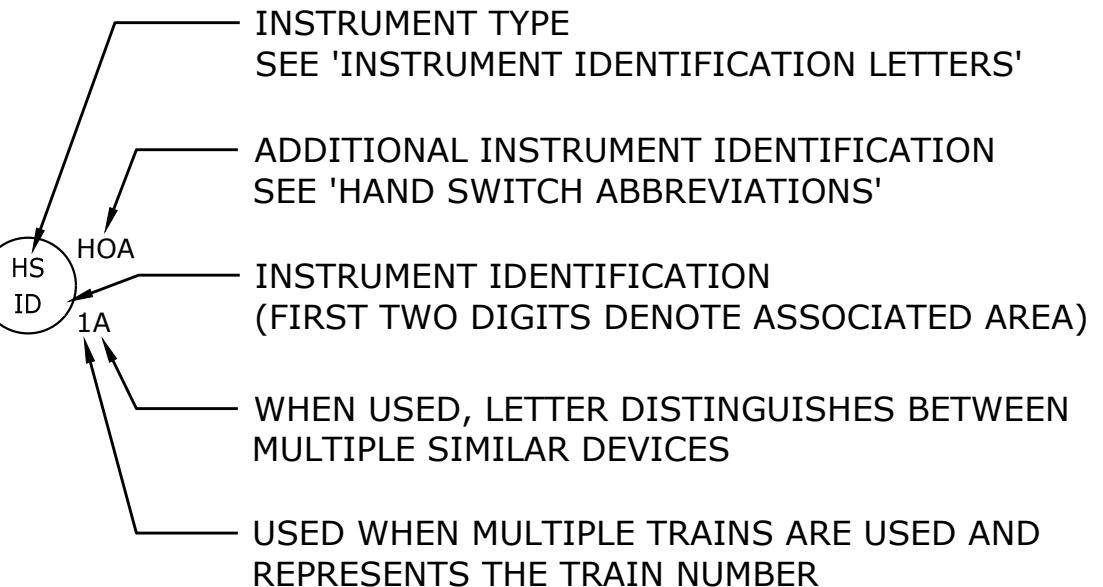
ABBREVIATIONS

AB	AERATION BASIN	MTL	MATERIAL
AG	ABOVE GROUND	MCC	MOTOR CONTROL CENTER
ATM	ATMOSPHERE	MCP	MAIN CONTROL PANEL
BL	BATTERY LIMIT	MIN	MINIMUM
BTL	BOTTOM TANGENT LINE	MOV	MOTOR OPERATED VALVE
BYP	BYPASS	MW	MANWAY
CC	CHEMICAL CLEANOUT	NC	NORMALLY CLOSED
CL	CENTERLINE	NNF	NORMALLY NO FLOW
CO	CLEANOUT	NO	NORMALLY OPEN
CONN	CONNECTION	NOZ	NOZZLE
CSC	CAR SEAL CLOSED	O/C	OPEN/CLOSE
CSO	CAR SEAL OPEN	O/O	ON/OFF
CTR	CENTER	OIT	OPERATOR INTERFACE TERMINAL
DCS	DISTRIBUTED CONTROL SYSTEM	OP	OUTPUT
DES	DESIGN	OSBL	OUTSIDE BATTERY LIMITS
DIA	DIAMETER	OVHD	OVERHEAD
DP	DESIGN PRESSURE	PECS	PRIMARY EFFLUENT CONTROL STRUCTURE
D/P	DIFFERENTIAL PRESSURE	PC	PRIMARY CLARIFIER
DRN	DRAIN	PICS	PRIMARY INFLUENT CONTROL STRUCTURE
DT	DESIGN TEMPERATURE	PLC	PROGRAMMABLE LOGIC CONTROLLER
DWG	DRAWING	PRESS	PRESSURE
(E)	EXISTING	PV	PROCESS VARIABLE
EL	ELEVATION	(R)	RELOCATED
ESD	EMERGENCY SHUTDOWN	REQD	REQUIRED
FOF	FACE OF FLANGE	RIO	REMOTE IO PANEL
(F)	FURNISHED	RTD	RESISTANCE TEMPERATURE DETECTOR
FC	FAIL CLOSED	SC	SECONDARY CLARIFIER
FI	FAIL INDETERMINATE	SCH	SCHEDULE
FL	FAIL LOCKED (LAST POSITION)	SD	SHUTDOWN
FLG	FLANGE	SG	SPECIFIC GRAVITY
FO	FAIL OPEN	SIS	SAFETY INSTRUMENTED SYSTEM
FP	FULL PORT	SO	STEAM OUT
FV	FULL VACUUM	SP	SET POINT
GO	GEAR OPERATED	SS	STAINLESS STEEL S/S START/STOP
GR	GRADE	STD	STANDARD
HC	HOSE CONNECTION	T/C	THERMOCOUPLE
HDR	HEADER	TDH	TOTAL DIFFERENTIAL HEAD
HH	HAND HOLE	TEMP	TEMPERATURE
HOA	HAND/OFF/AUTOMATIC	THRD	THREADED
HP	HIGH PRESSURE	TYP	TYPICAL
HPT	HIGH POINT	UG	UNDERGROUND
IAS	INSTRUMENT AIR SUPPLY	UV	ULTRAVIOLET
ISBL	INSIDE BATTERY LIMITS	UVT	ULTRAVIOLET TRANSMITTANCE
LC	LOCKED CLOSED	VNT	ULTRAVIOLET INTENSITY
LCP	LOCAL CONTROL PANEL	VAC	VACUUM
LO	LOCKED OPEN	VB	VORTEX BREAKER
LP	LOW PRESSURE	VFD	VARIABLE FREQUENCY DRIVE
LPT	LOW POINT	W/	WITH
MAX	MAXIMUM	W/O	WITHOUT
MLCS	MIXED LIQUOR CONTROL STRUCTURE		

INSTRUMENT IDENTIFICATION LETTERS

FIRST LETTER		SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION
A	ANALYSIS		ALARM	
B	BURNER, FLAME, COMBUSTION		USER'S CHOICE	USER'S CHOICE
C	USER'S CHOICE (TYPICALLY CONDUCTIVITY - ELECTRICAL)			CONTROL, COMMAND
D	USER'S CHOICE (TYPICALLY DENSITY OR SPECIFIC GRAVITY)	DIFFERENTIAL		CLOSED
E	VOLTAGE		SENSOR (PRIMARY ELEMENT)	DIVERT
F	FLOW RATE	RATIO (FRACTION)		
G	USER'S CHOICE OR GAUGING (DIMENSIONAL)		GLASS, VIEWING DEVICE	
H	HAND			HIGH
I	CURRENT (ELECTRICAL)		INDICATE	
J	POWER	SCAN		
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION
L	LEVEL		LIGHT	LOW
M	USER'S CHOICE (TYPICALLY MOISTURE OR HUMIDITY)	MOMENTARY		MIDDLE, INTERMEDIATE
N	USER'S CHOICE		USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE, RESTRICTION	OPEN
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION	
Q	QUANTITY OR HEAT DUTY	INTEGRATE, TOTALIZE		
R	RADIATION		RECORD	
S	SPEED, FREQUENCY	SAFETY		SWITCH
T	TEMPERATURE			TRANSMIT THROUGH
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER, LOUVER
W	WEIGHT, FORCE, TORQUE		WELL	
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y AXIS		RELAY, COMPUTER, CONVERT
Z	POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT

TYPICAL INSTRUMENT TAG NUMBERS & DESIGNATION

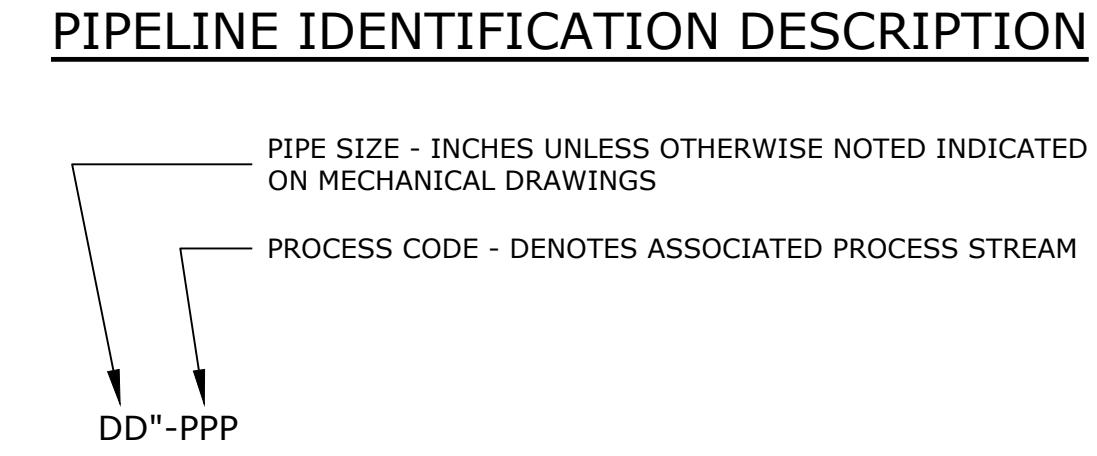


HAND SWITCH ABBREVIATIONS

AO	AUTO/OFF	LOS	LOCKOUT/STOP
AM	AUTO/MANUAL	LA	LOCAL/AUTO
CM	COMPUTER/MANUAL	LR	LOCAL/REMOTE
CL	COMPUTER LOCAL	OC	OPEN/CLOSE
ES	EMERGENCY STOP	OCA	OPEN/CLOSE/AUTO
FR	FORWARD/REVERSE	OO	ON/OFF
FOR	FORWARD/OFF/REVERSE	OOA	ON/OFF/AUTO
FS	FAST/SLOW	OSC	OPEN/STOP/CLOSE
FOS	FAST/OFF/SLOW	RES	RESET
HOA	HAND/OFF/AUTOMATIC	RSL	RAISE/STOP/LOWER
LLS	LEAD/LAG/STANDBY	SS	START/STOP
LO	LOCAL/OFF	SOR	START/OFF/RESET
LOC	LOCAL/OFF/COMPUTER	V/B	VFD/BYPASS
LOR	LOCAL/OFF/REMOTE		

PIPING LINE SYMBOLS

PRIMARY (AG & UG)	
SECONDARY / UTILITY (AG & UG)	
FUTURE OR EXISTING ON NEW P&IDs	
JACKETED OR DOUBLE CONTAINMENT	
NOT A PIPE	



OFF-PAGE CONNECTORS AND TIE-IN SYMBOL

A. OFF-PLOT CONNECTOR	
CONNECTOR NUMBER	XX P&ID No
SERVICE DESCRIPTION	ORIGIN/DESTINATION
B. PRIMARY/SECONDARY LINES AND INSTRUMENT SIGNAL CONNECTOR	
CONNECTOR NUMBER	XX P&ID No
SERVICE DESCRIPTION	ORIGIN/DESTINATION
C. UTILITY CONNECTOR	
CONNECTOR NUMBER	XX P&ID No

INSTRUMENT LINE SYMBOLS

INSTRUMENT SUPPLY OR CONNECTION TO PROCESS	
PNEUMATIC SIGNAL	
ELECTRIC SIGNAL (ANALOG)	
ELECTRIC SIGNAL (DISCRETE)	
HYDRAULIC SIGNAL	
CAPILLARY TUBE	
ELECTROMAGNETIC, SONIC, OPTICAL, OR NUCLEAR SIGNAL	
SOFTWARE OR DATA LINK	
MECHANICAL LINK	

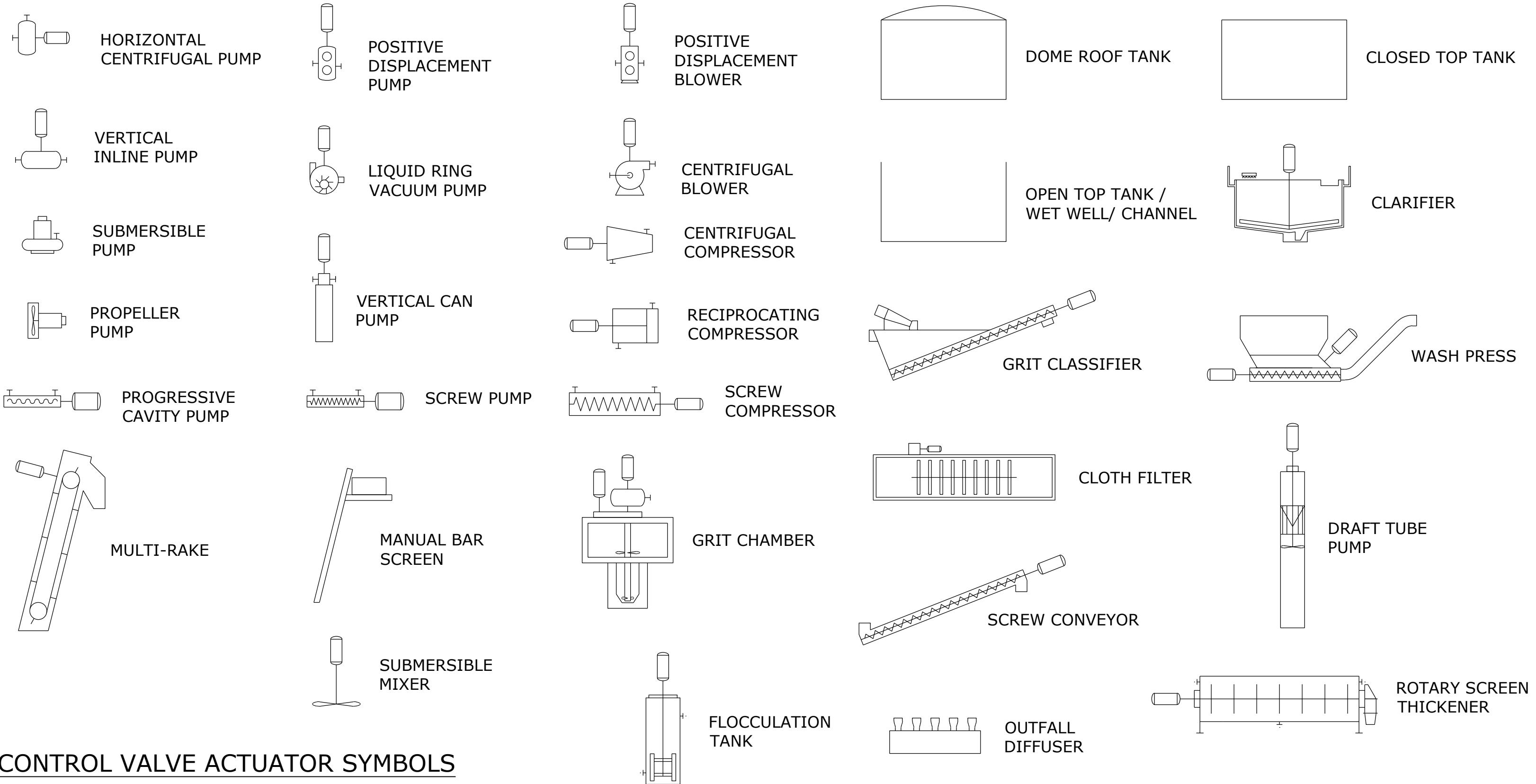
FLOW STREAM IDENTIFIERS

ATM = ATMOSPHERIC AIR	PI = PRIMARY INFLUENT
BS = BLENDED SLUDGE	POL = POLYMER
CAS = CAUSTIC SODA	PS = PRIMARY SLUDGE
DB = DIGESTER BYPASS	PSCM = PRIMARY SCUM
DE = DECANT	PT = PRESSATE
DG = DIGESTER GAS	PW = POTABLE WATER
DR = DRAIN	RAS = RETURN ACTIVATED SLUDGE
DS = DIGESTER SOLIDS	RD = RECYCLE/DRAIN
FA = FOUL AIR	RS = RAW SEWAGE
FBW = FILTER BACKWASH	SCRN = SCREENINGS
FE = FINAL EFFLUENT	SE = SECONDARY EFFLUENT
FT = FILTRATE</	

PRIMARY ELEMENT SYMBOLS

	GENERAL SYMBOL IN-LINE ELEMENT XX = FS, FG, FE, FT
	IN-LINE FLOW ELEMENT WITH INTEGRAL TRANSMITTER XXXX XXXX = MASS, CORIOLIS, THERMAL, INT. ORIFICE ...
	IN-LINE FLOW ELEMENT WITH SEPARATE TRANSMITTER XXXX = MASS, CORIOLIS, THERMAL...
	ORIFICE
	MAGNETIC
	TURBINE OR PROPELLER
	ULTRASONIC
	VORTEX
	PITOT TUBE
	AVERAGING PITOT TUBE
	FLOW NOZZLE
	VENTURI
	WEDGE METER
	RADAR (NON-CONTACT)
	ULTRASONIC LEVEL SENSOR
	ULTRASONIC LEVEL SENSOR (GUIDED)
	FLOAT SWITCH FLOAT SWITCH * = L/LL/H/HH
	SUBMERSIBLE PRESSURE TRANSDUCER
	FLOW SWITCH * = H/L
	FLOW GLASS
	FLOW CONDITIONING DEVICES (e.g., STRAIGHTENING VANES)
	RESTRICTION ORIFICE
	TARGET
	ANALYZER ELEMENT X INDICATES TYPE pH = HYDROGEN POTENTIAL DO = DISSOLVED OXYGEN H2S = HYDROGEN SULFIDE LEL = LOWER EXPLOSIVE LIMIT O2 = OXYGEN ORP = OXYGEN REDUCTION POTENTIAL
	ROTAMETER
	ROTAMETER WITH INTEGRAL VALVE (SHOWN WITH OPTIONAL INTEGRAL VALVE)
	FLUME
	WEIR
	POSITIVE DISPLACEMENT
	ORIFICE IN QUICK CHANGE FITTING
	TARGET

PROCESS EQUIPMENT



VALVE SYMBOLS (N.C. WHEN SHADED)

	GATE VALVE		PLUG VALVE
	CHECK VALVE		DIAPHRAGM VALVE
	STOP CHECK VALVE		3-WAY VALVE
	GLOBE VALVE		4-WAY VALVE
	BUTTERFLY VALVE		PINCH VALVE
	NEEDLE VALVE		ANGLE VALVE
	BALL VALVE		KNIFE VALVE
	BALANCING VALVE		SLUICE OR SLIDE GATE

PIPING SPECIALTY ITEMS

	Y-TYPE STRAINER		EJECTOR
	CONE STRAINER		REMOVABLE SPOOL
	T-TYPE STRAINER		DESUPERHEATER
	DUPLEX STRAINER		FLEXIBLE HOSE
	BASKET STRAINER		EXPANSION JOINT
	TEMPORARY STRAINER		DAMPER
	FILTER		BREATHER
	DETONATION ARRESTOR		VENT COVER
	FLAME ARRESTOR		IN-LINE MIXER
	STEAM TRAP		DIVERTER VALVE
	EXHAUST HEAD		ROTARY VALVE
	IN-LINE SILENCER		EXCESS FLOW VALVE
	VENT SILENCER		PULSATION DAMPENER
	MECHANICAL COUPLING		PRESSURE INDICATOR

CONTROL VALVE ACTUATOR SYMBOLS

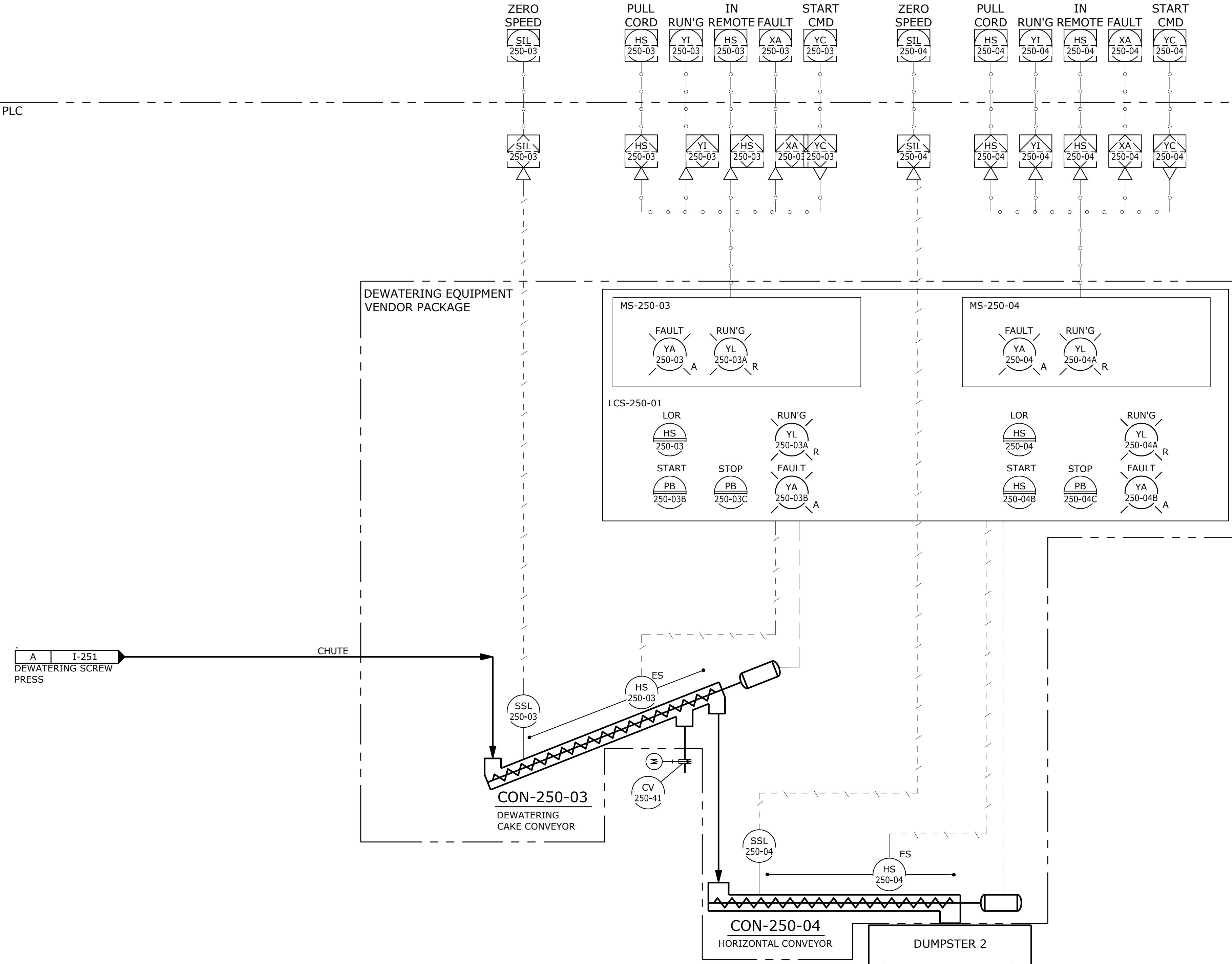
	MANUAL OPERATOR		MOTOR OPERATED - CONSTANT SPEED
	DIAPHRAGM		ELECTRO-HYDRAULIC
	PRESSURE BALANCED DIAPHRAGM		SINGLE SOLENOID
	HANDWHEEL WITH ACTUATOR		SINGLE SOLENOID - MANUAL RESET
	CYLINDER - PISTON		SINGLE SOLENOID - REMOTE RESET

SELF-ACTUATED DEVICES

	RUPTURE DISC - PRESSURE RELIEF SAFETY HEAD FOR PRESSURE RELIEF (EXPLOSION PANEL)		PRESSURE REDUCING REGULATOR (SELF-CONTAINED)
	RUPTURE DISC - VACUUM RELIEF SAFETY HEAD FOR VACUUM RELIEF (EXPLOSION PANEL)		BACK PRESSURE REGULATOR (SELF-CONTAINED)
	PRESSURE RELIEF - SAFETY VALVE		BACK PRESSURE REGULATOR W/ EXTERNAL TAP
	VACUUM RELIEF VALVE		PRESSURE REDUCING REGULATOR W/ EXTERNAL TAP
	DIFFERENTIAL PRESSURE REDUCING REGULATOR		TEMPERATURE REGULATOR FILLED SYSTEM TYPE

MISCELLANEOUS INSTRUMENT SYMBOLS

	CHEMICAL SEAL- DIAPHRAGM		ANNULAR SEAL
	PILOT LIGHT OR GAUGE GLASS ILLUMINATOR X INDICATES COLOR R = RED A = AMBER B = BLUE W = WHITE G = GREEN		PRESSURE AND VACUUM RELIEF VALVE CONSERVATION VENT
	DUAL FUNCTION OR INSTRUMENTS SHARING COMMON HOUSING		PILOT OPERATED RELIEF VALVE WITH REMOTE SENSOR (USE APPROPRIATE RELIEF VALVE SYMBOL)
	UNDEFINED INTERLOCK LOGIC		



DATE	BY	REVISION
 NOTICE IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE		

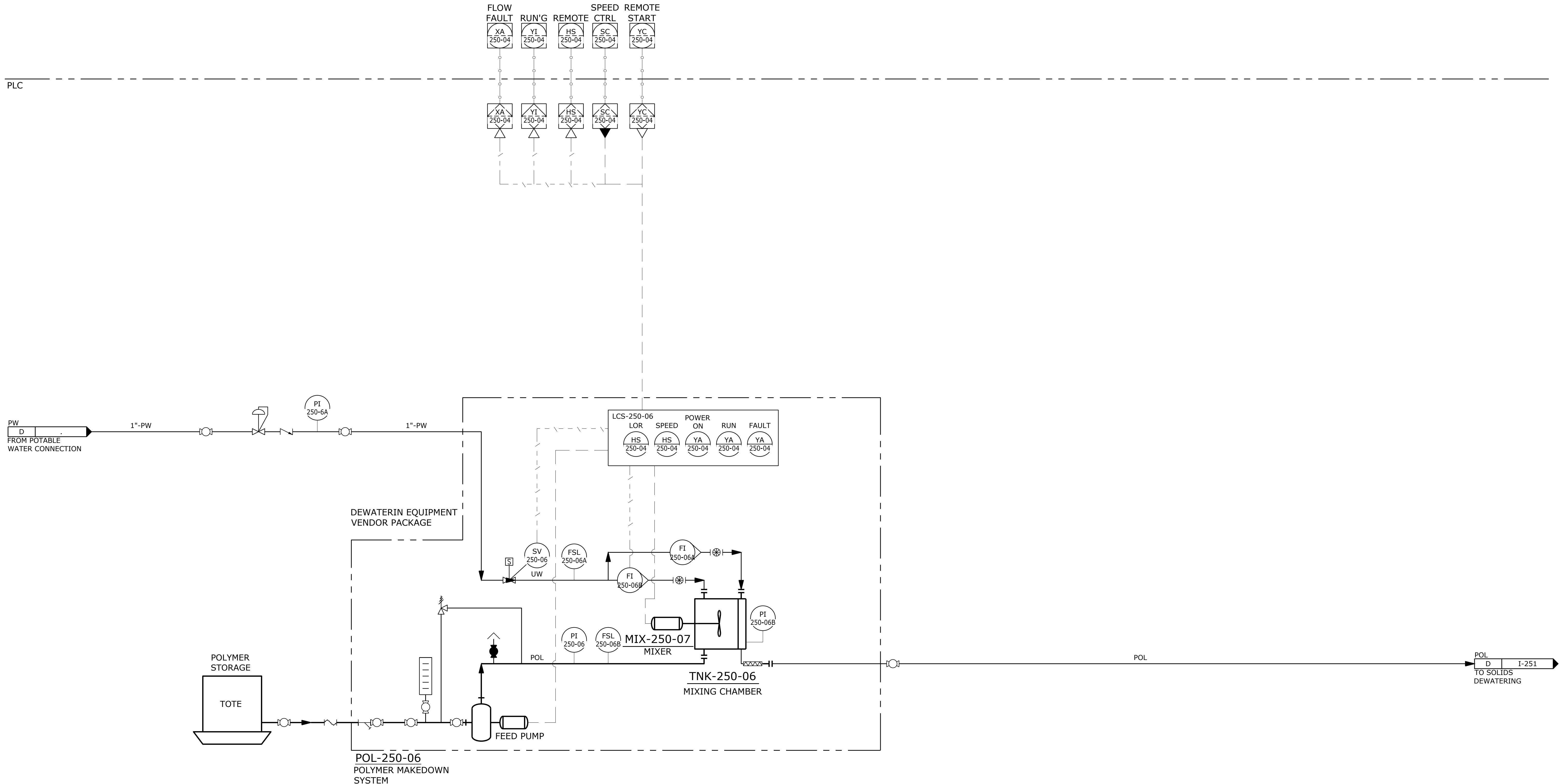
WJS/MB DESIGNED AT DRAWN JMC/PLVM CHECKED	 REGISTERED PROFESSIONAL ENGG. IN ENGR. S-1615PE OREGON Preston Van Meter EXPIRES: 6/30/2024
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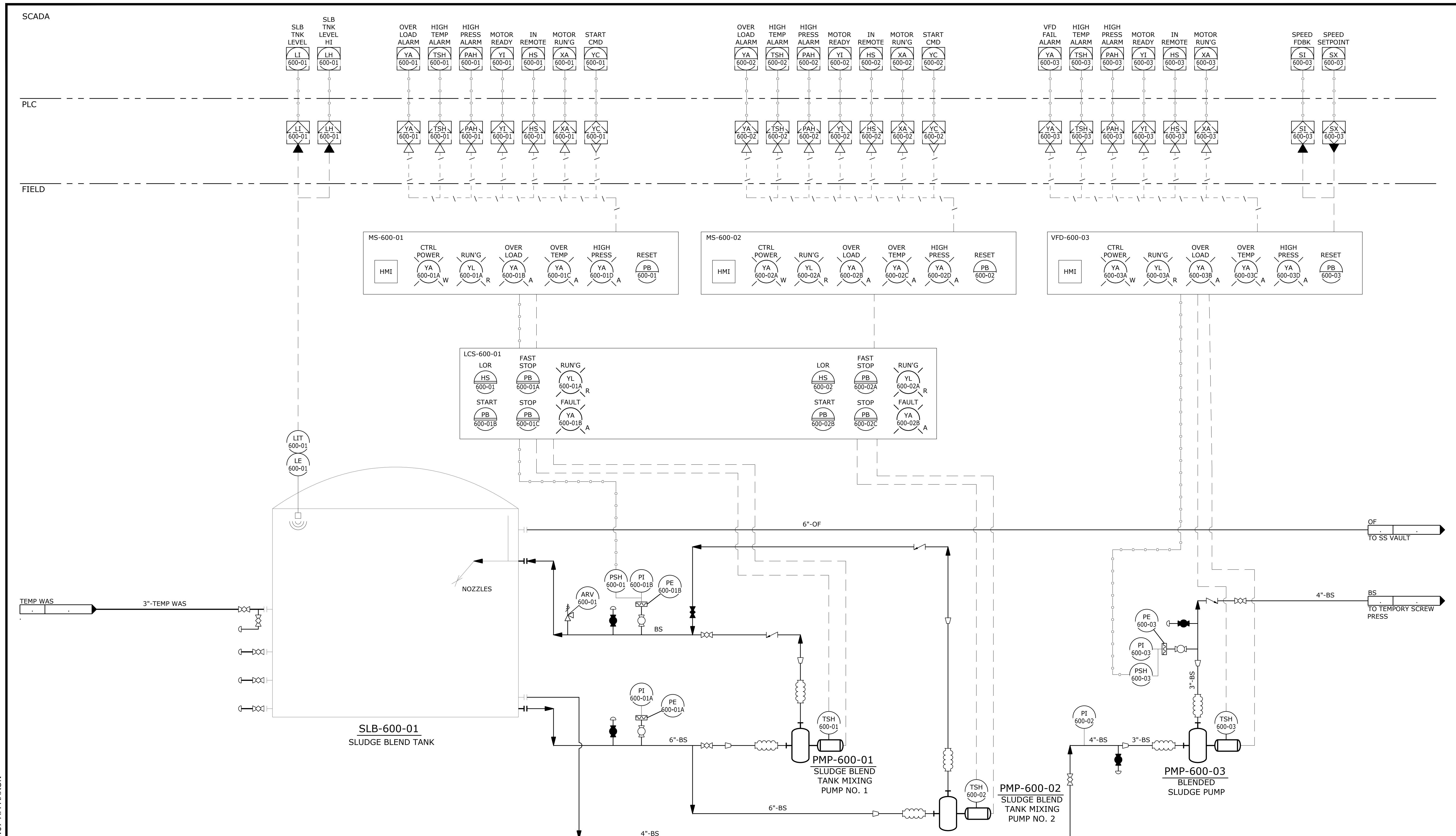
WEST YOST
Water. Engineered.



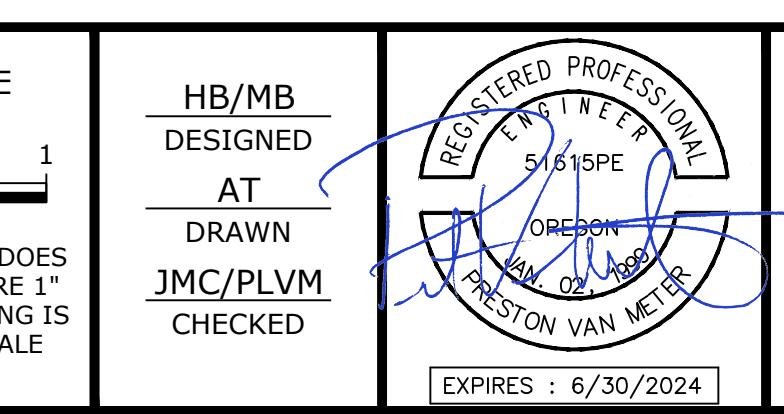
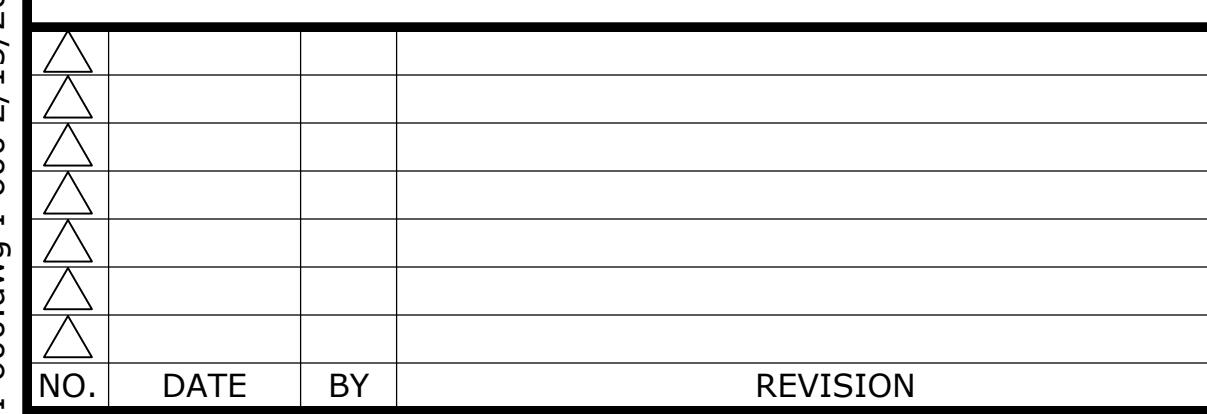
MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

SOLIDS DEWATERING 2





I-600.dwg 1-600 2/15/2023 11:07 AM AARON



MAHLER WATER RECLAMATION FACILITY INTERIM IMPROVEMENTS PROJECT

SLUDGE BLEND TANK AND MIXING

PROJECT NO.: 936-50-21-09 SCALE: AS SHOWN DATE: FEBRUARY 2023

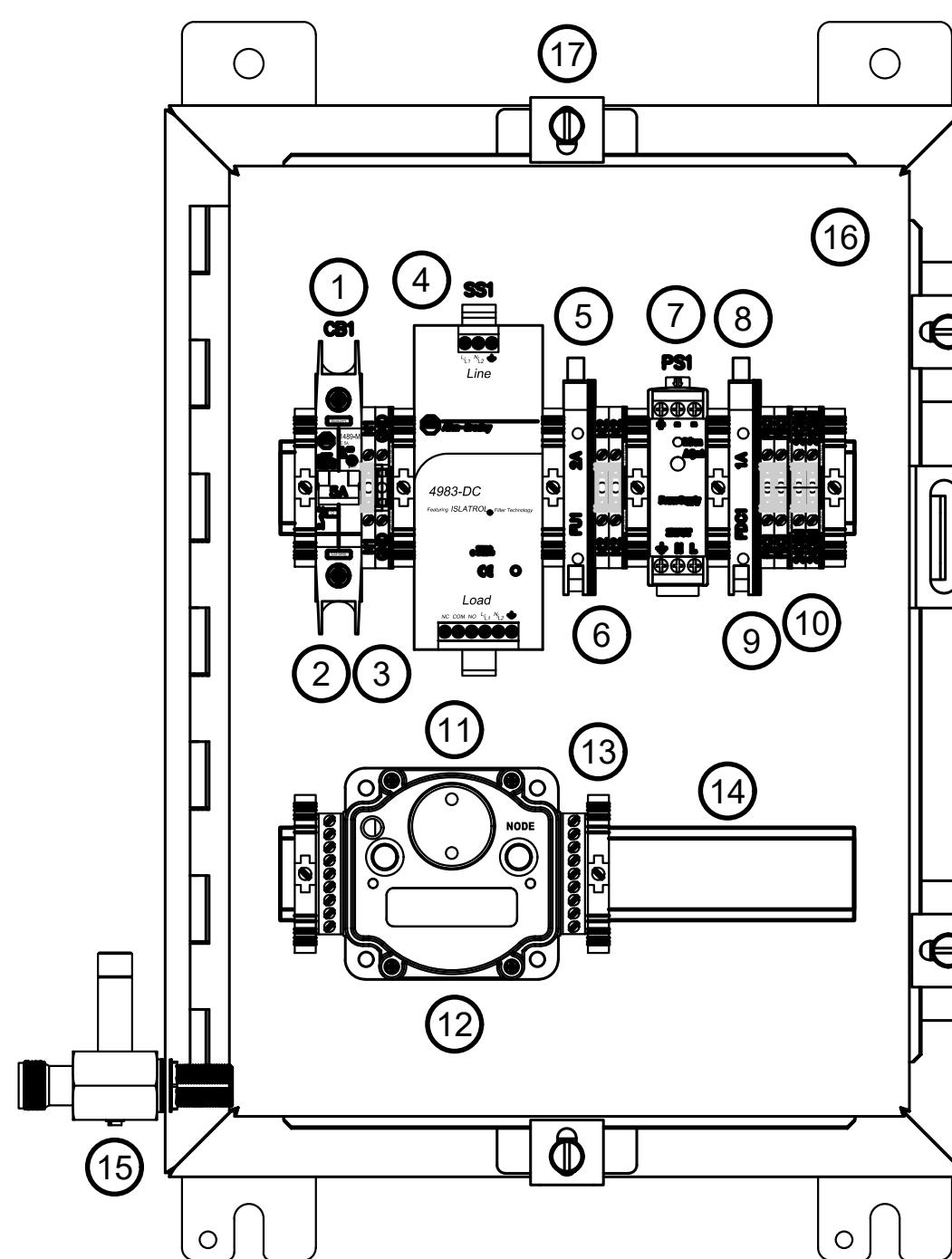
SHEET

GENERAL SHEET NOTES

1. RCP-100 SHALL BE OWNER FURNISHED CONTRACTOR INSTALLED.
2. ALL FIELD WIRING SHALL BE PROVIDED BY THE CONTRACTOR.

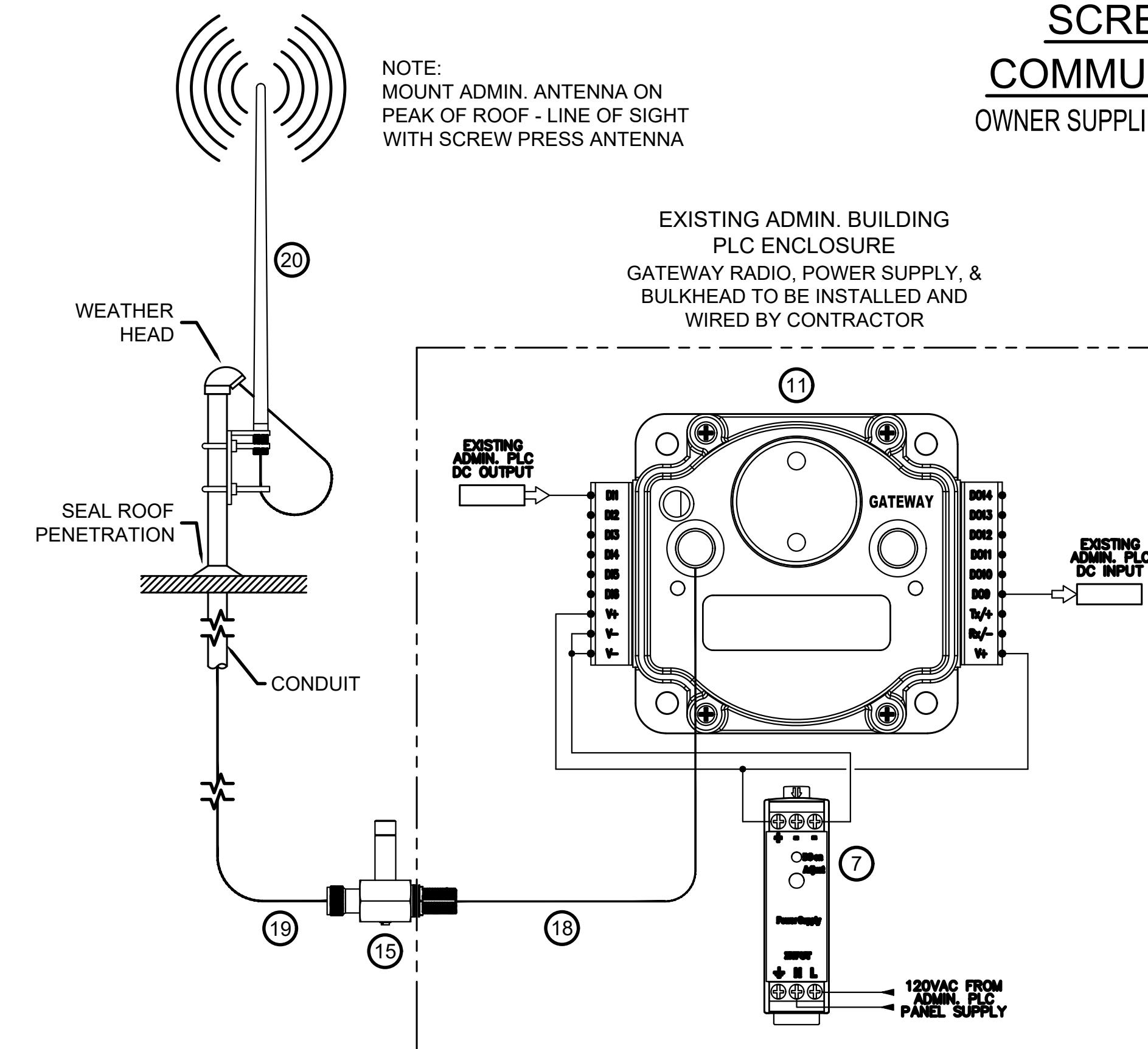
RCP-100
SCREW PRESS RADIO
PANEL LAYOUT

OWNER SUPPLIED - INSTALLATION BY CONTRACTOR

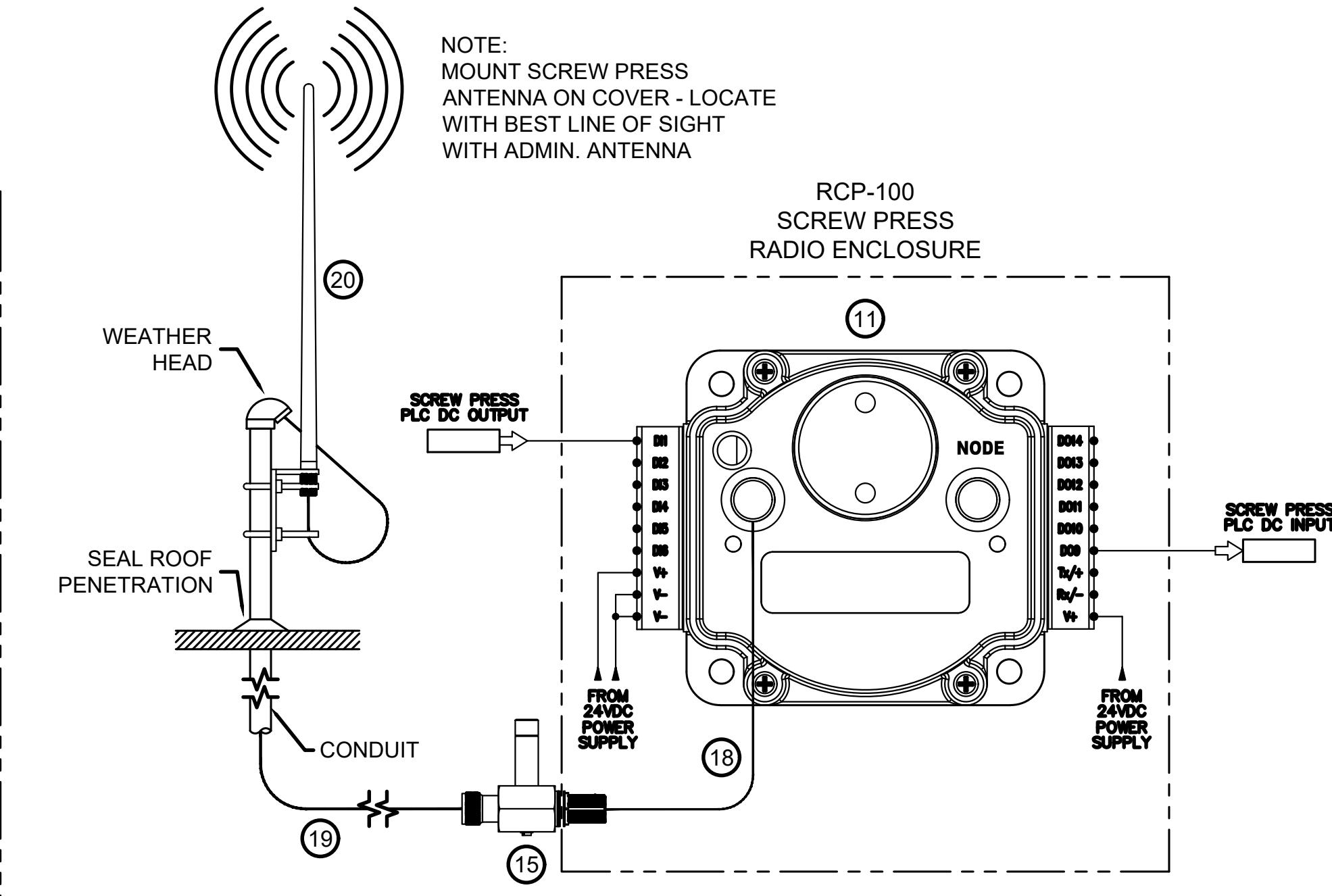


NOTE:
MOUNT ADMIN. ANTENNA ON
PEAK OF ROOF - LINE OF SIGHT
WITH SCREW PRESS ANTENNA

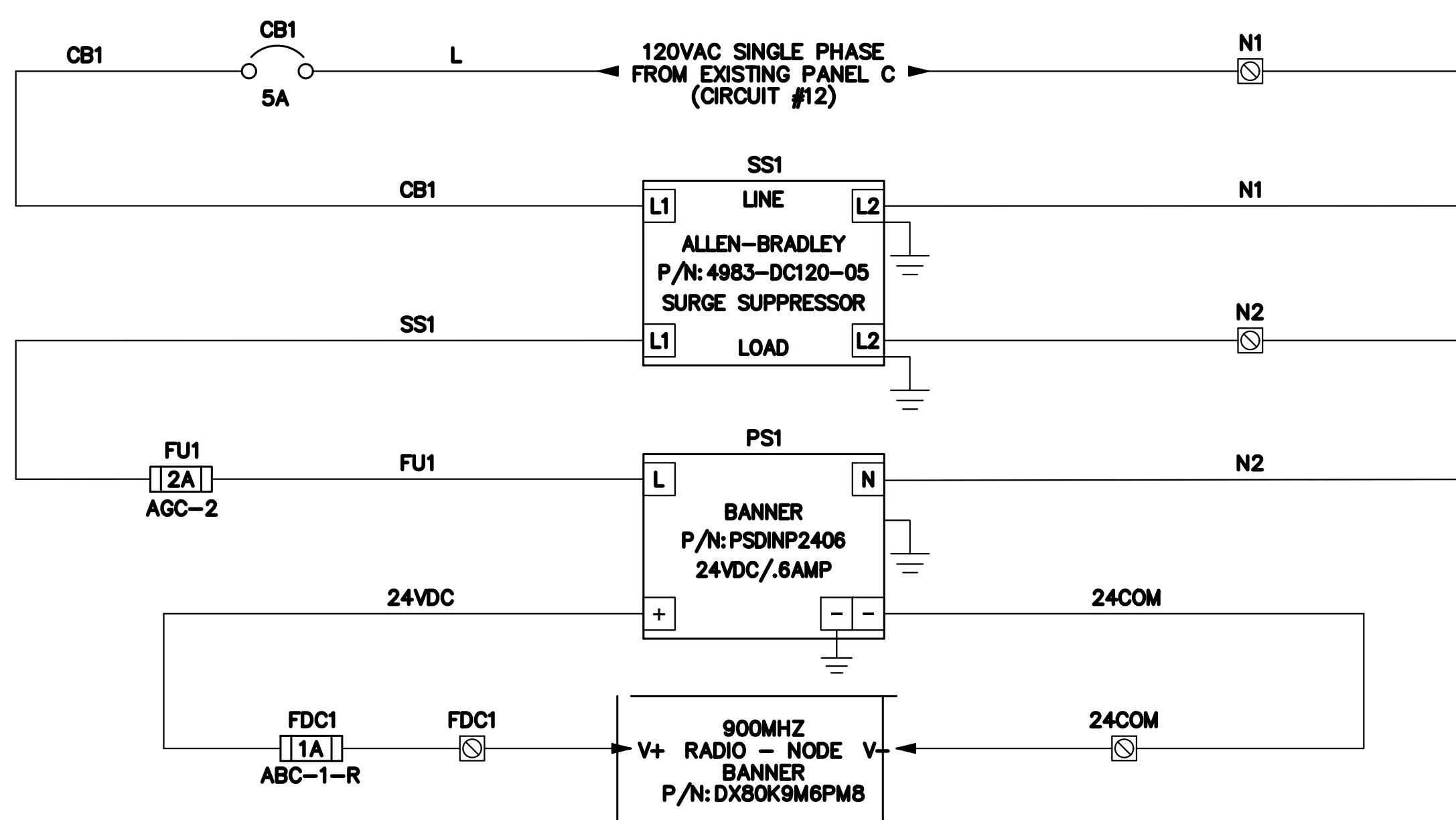
SCREW PRESS RADIO
COMMUNICATION DIAGRAM
OWNER SUPPLIED - INSTALLATION BY CONTRACTOR



NOTE:
MOUNT SCREW PRESS
ANTENNA ON COVER - LOCATE
WITH BEST LINE OF SIGHT
WITH ADMIN. ANTENNA



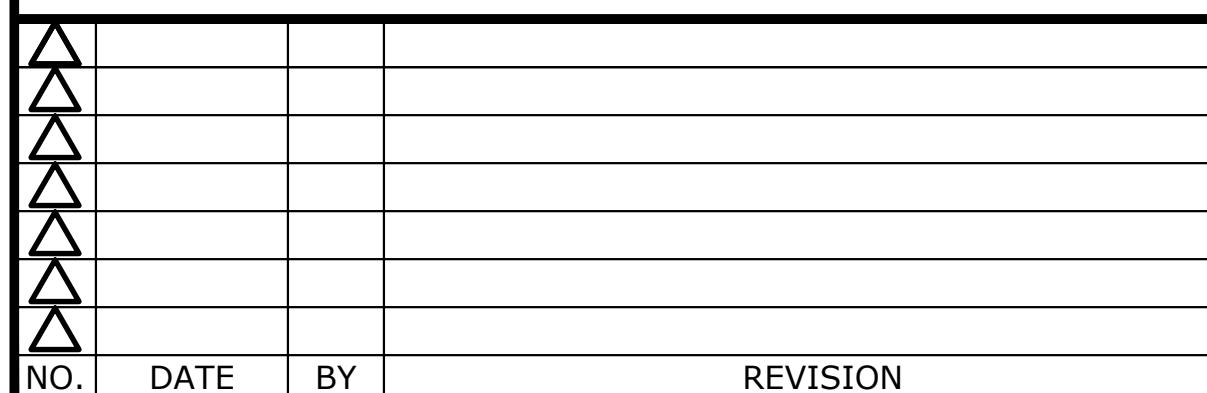
RCP-100
POWER DISTRIBUTION



BILL OF MATERIAL

OWNER SUPPLIED

ITEM	QTY	PART #	MANUFACTURER	DESCRIPTION
1	1	1489-M1C050	ALLEN BRADLEY	CIRCUIT BREAKER, 5 AMP, 277VAC/48VDC, C-TRIP CURVE, 1-POLE DIN MOUNT
2	3	1492-J3	ALLEN BRADLEY	TERMINAL BLOCK, GRAY, 0.20"
3	1	1492-JG3	ALLEN BRADLEY	TERMINAL BLOCK, GREEN/YELLOW, GROUND
4	1	4983-DC120-05	ALLEN BRADLEY	120VAC, 5AMP SURGE SUPPRESSOR, 10KAIC
5	1	1492-H4	ALLEN BRADLEY	FUSE HOLDER, 100-300V AC, RED IND, 1/4 X 1-1/4
6	2	1492-N37	ALLEN BRADLEY	END BARRIER, 1492-H SERIES
7	2	PSDINP2406	BANNER	.6AMP 24VDC POWER SUPPLY
8	1	1492-H5	ALLEN BRADLEY	FUSE HOLDER, 10-57V DC, RED LED, 1/4 X 1-1/4
9	4	1492-J3B	ALLEN BRADLEY	TERMINAL BLOCK, BLUE, 0.20"
10	3	1492-EBJ3	ALLEN BRADLEY	END BARRIER, 1492-J SERIES
11	1	DX80K9M6PM8	BANNER	PM8 SERIES RADIO KIT (ONE GATEWAY, ONE NODE RADIO)
12	2	SMBDX80DIN	BANNER	RADIO DIN MOUNTING KIT
13	8	1492-EAJ35	ALLEN BRADLEY	END ANCHOR
14	2	1492-DR1	ALLEN BRADLEY	35MM X 7.5MM STANDARD DIN RAIL
15	2	BWCPRC827DC	BANNER	ANTENNA CABLE SURGE SUPPRESSOR BULKHEAD
16	1	A16P12	HOFFMAN	13" H X 9" W BACK PANEL
17	1	A16H12BLP	HOFFMAN	16" H X 12" W X 8" D TYPE 4 ENCLOSURE
18	2	BWC1MRSMN05	BANNER	.5 METER LMR200 ANTENNA COAX CABLE (RADIO TO BULKHEAD)
19	2	BWC4MNFN15	BANNER	15 METER LMR400 ANTENNA COAX CABLE (BULKHEAD TO ANTENNA)
20	2	BWA906AS	BANNER	900MHz 6 DBI FIBERGLASS OMNI ANTENNA



NOTICE
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

MB
DESIGNED
JL
DRAWN
BP
CHECKED

REGISTERED PROFESSIONAL
ENGINEER
86683
Digitally Signed
MAY 08, 2012
BENJAMIN E.
EXPIRES: 12-31-2024

WEST YOST
Water. Engineered.

LANDIS
CONSULTING
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MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

RCP-100 SCREW PRESS RADIO CONTROL
PANEL

SHEET
IC-100
42 of 42

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023



Mahler Water Reclamation Facility (MWRF) Interim Improvements

ADDENDUM NO. 1

FOR INTERIM IMPROVEMENTS PROJECT

To: All Prospective Bidders

The following clarifications, changes, additions and/or deletions are hereby made a part of the Contract Documents issued for the above referenced project as fully and completely as if the same were fully set forth therein.

This Addendum consists of 2 pages, including this cover page.

CLARIFICATIONS

1. Bidder Pre-Qualification is not required. See Items 1,2 and 4 under "Changes and Additions And/or Deletions.
2. The Mandatory Pre-Bid Conference will be held on Wednesday, February 22, 2023, at 10:00am local time. See Item 3 under "Changes and Additions And/or Deletions.

CHANGES AND ADDITIONS AND/OR DELETIONS

Additions are shown in underline. Deletions are shown in strikeout.

1. EJCDC C-111 Advertisement for Bids Page 1 of 2: Bidder Pre-Qualification:

~~Delete: "Bidder Pre-Qualification Is Required"~~

~~Prospective Bidders shall be pre-qualified through with the City through a separately advertised public process. Bids from non Pre-Qualified Bidders will be returned unopened. Pre-Qualified Bidders interested in submitting a Bid shall register and provide contact information for inclusion on the City's Plan Holders List. Official notifications, addenda and other information will be sent to Prospective Bidders using the City's Plan Holders List. It is the Bidders responsibility to confirm they are included on the City's Plan Holders List. "~~

2. EJCDC C-111 Advertisement for Bids Page 1 of 2: Obtaining the Bidding Documents:

~~Change: "Obtaining the Bidding Documents for Pre-Qualified Bidders"~~

~~For Pre-Qualified Bidders, the Contract Documents may be examined at Sweet Home City Hall. Electronic copies of the Contract Documents will be provided by the Owner. Hard copies of the Contract Documents will be provided to the successful Bidder following Bid Award."~~

3. EJCDC C-111 Advertisement for Bids Page 1 of 2: Mandatory Pre-Bid Conference:

~~Change: "A mandatory pre-bid conference for the interested and Pre-Qualified Bidders will be held on Thursday Wednesday, February 16 22, 2023 at 10:00am local time at the WWTP located~~

at 1357 Pleasant Valley Road, Sweet Home, OR 97386. Bids will not be accepted from **Pre-Qualified Bidders that do not attend the mandatory pre-bid conference.**"

4. Modified version of EJCDC C-200, Instructions to Bidders, Footer:

Change: "This document is a MODIFIED version of EJCDC® C-200, Instructions to Pre-Qualified Bidders for Construction Contract, Copyright© 2018 by the National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers, or is based in part on excerpts from copyrighted EJCDC documents. All rights reserved. Those portions of the text that originated in copyrighted EJCDC documents remain subject to the copyright.

End of Addendum No. 1

Mr. Greg Springman, Public Works Director

February 16, 2023

Date



Mahler Water Reclamation Facility (MWRF) Interim Improvements

ADDENDUM NO. 2

FOR

INTERIM IMPROVEMENTS PROJECT

To: All Prospective Bidders

The following clarifications, changes, additions and/or deletions are hereby made a part of the Contract Documents issued for the above referenced project as fully and completely as if the same were fully set forth therein.

This Addendum consists of 3 pages, including this cover page.

CHANGES AND ADDITIONS AND/OR DELETIONS

Additions are shown in underline. Deletions are shown in strikeout.

Changes to the Specifications

1. Section 01 12 16 Work Sequence and Constraints: 3.03.C.8.

Add: Receive Owner provided, skid-mounted solids dewatering equipment delivered from vendor and complete installation of equipment and appurtenances (e.g. solids conveyors). Anticipated delivery of solids dewatering equipment is May 31, 2023.

2. Section 40 61 96.13 Process Control Description

Replace specification with attached Section 40 61 96.13 to be included in Contract Documents.

3. Section 43 23 58 Rotary Lobe Pumps: 2.03.B

Add: 8. Motor windings shall be supplied with a normally closed thermostat, one per phase, wired in series to form a fail-safe motor protection circuit for the external fault circuit of the motor controller.

4. Section 40 72 00 Level Measurement: 2.01.A.7.f

Modify: f. 2 Cable Length = Approximately 20ft, CONTRACTOR shall verify length of cable required during submittal phase.

5. Section 40 73 00 Pressure, Strain and Force Measurement

New specification Section 40 73 00 attached to be included in Contract Documents.

6. 40 78 00 Panel Mounted Equipment: 2.01

Add: O. Miniature "Ice Cube" Relay (407800.R05):

1. Provide relays as shown on Drawings.
2. Relays shall be industrial plug-in blade style with the on/off status indicated by either a neon or LED indicating light or by mechanical means.
3. Relays shall be Form C contacts with a minimum of 4 poles and 7-amp contact rating.
4. Relay coil voltage shall be 120VAC.
5. Provide with DIN rail mounting screw terminal socket and retainer clips.
6. Relay bases shall be of the same manufacturer as the relay.
7. Provide Allen-Bradley p/n 700-HC14A14 relays, p/n 700-HN104 screw terminal sockets, and p/n 700-HN114 retainer clips, or approved equal.

7. Section 46 41 21 Jet Aspirating Mixing Equipment: 2.04

Add: L. Motor windings shall be supplied with a normally closed thermostat, one per phase, wired in series to form a fail-safe motor protection circuit for the external fault circuit of the motor controller.

Changes to the Drawings

Replace the following drawings with those attached to this Addendum:

M-010
M-011
E-003
E-005
E-010
E-011

End of Addendum No. 2

Mr. Greg Springman, Public Works Director

February 23, 2023

Date

SECTION 40 61 96.13

PROCESS CONTROL DESCRIPTIONS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Instrumentation control loops.

1.02 REFERENCED SECTIONS

- A. The following Sections are referenced in this Section
 - 1. Section 01 33 00 – Submittals
 - 2. Section 01 78 23 – Operation and Maintenance Data

1.03 SYSTEM DESCRIPTION

- A. The control loop descriptions provide the functional requirements of the control loops represented in the Contract Documents.
- B. Descriptions are provided as follows:
 - 1. Control system overview and general description.
 - 2. Major equipment to be controlled.
 - 3. Major field mounted instruments (does not include local gages).
 - 4. Manual control functions.
 - 5. Automatic control functions/interlocks.
 - 6. Major indications provided at local control panels and motor starters/VFD's.
 - 7. Remote indications and alarms.
- C. The control loop descriptions are not intended to be an inclusive listing of all elements and appurtenances required to execute loop functions, but are rather intended to supplement and complement the Drawings and other Specification Sections.
 - 1. The control loop descriptions shall not be considered equal to a bill of materials.
- D. Provide instrumentation hardware and software as necessary to perform control functions specified herein and shown on Drawings.

1.04 SUBMITTALS

- A. See Section 01 33 00 for requirements for the mechanics and administration of the submittal process.
- B. Contract Closeout Information:
 - 1. Operation and Maintenance Data:
 - a. See Section 01 78 23 for requirements for the mechanics, administration, and the content of Operation and Maintenance Manual submittals.

- C. Control Strategy for Record Documents:
 - 1. Obtain this Specification Section in electronic format (Microsoft Word) from Engineer at beginning of Project.
 - 2. Revise and update the file monthly during construction and start-up to reflect all changes that occur due to specific equipment and systems supplied on the Project.
 - a. Show all revisions in 'track change' mode.
 - b. Change Specification Section Title to read "Control Loop Descriptions - Contractor Record Document."
 - c. Reference all changes by Request for Information (RFI) number or Change Proposal Request (CPR) number.
 - d. Submit revised file monthly to Engineer for review.
- D. Deliver the revised and updated file as a final control loop description Record Document in the Operation and Maintenance Manual described in Specification Section 01 78 23.
- E. Provide both paper copy and electronic copy (on CD-ROM) of the Record Document control loop descriptions in the Operation and Maintenance Manual described in Specification Section 01 78 23.

PART 2 - PRODUCTS - (NOT USED)

PART 3 - EXECUTION

3.01 CONTROL LOOPS

- A. This Section includes control loops for Phase 1. The Phase 1 package that each control loop is associated with is noted below. Programming and other work associated with Phase 1 control loops shall not be included in the bid price for Phase 2.

CONTROL STRATEGY 1 – DEWATERING SCREW PRESS SYSTEM

1.1 REFERENCES

- A. Drawings:
 1. M-010, M-011, M-012
 2. E-004, E-005, E-010
 3. I-251, I-252
- B. Specifications:
 1. Section 41 12 13
 2. Section 46 33 33

1.2 SYSTEM COMPONENTS

- A. Major Equipment and Related Devices
 - 1. Conditioning Tank
 - a. Mixer: MIX-250-01
 - b. Level Switch: LSH-250-01
 - 2. Dewatering Screw Press
 - a. Screw Press: DEW-250-02
 - b. Level sensor: LE-250-02
 - c. Level indicator/transmitter: LIT-250-02
 - 3. Conveyors
 - a. Conveyors: CON-250-03, CON-250-04
 - b. Zero speed switches SSL-250-03, SSL-250-04
 - c. Emergency stop hand cables HS-250-03, HS-250-04
- B. Spray water control devices
 - 1. Motorized ball valves: CV-250-11, CV-250-12, CV-250-13
 - 2. Flow switches: FS-250-21,
- C. Flow Instruments
 - 1. Digested Sludge Flow Meter/Transmitter FE/FIT-250-00
- D. Control Panel
 - 1. Panel: LCS-250-01
 - 2. LOCAL/OFF/REMOTE selector switches: HS-250-01, HS-250-02, HS-250-03, HS-250-04
 - 3. START and STOP push buttons: PB-250-01B PB-250-01C, PB-250-02B, PB-250-02C, PB-250-03B, PB-250-03C, PB-250-04B, PB-250-04C
 - 4. FAST STOP push buttons: PB-250-10
 - 5. SPEED selector dials: HS-250-01B, HS-250-02B
 - 6. Running & Fault Lights: YA-250-01, YL-250-01A, YA-250-01A, YA-250-01B, YA-250-02, YL-250-02A, YA-250-02A, YA-250-02B, YA-250-03, YL-250-03A, YL-250-03A, YA-250-03B, YA-250-04, YL-250-04A, YL-250-04A, YA-250-04B
- E. Variable Speed Drives: VFD-250-01, VFD-250-02
- F. Motor Starters: MS-250-03, MS-250-04

1.3 SYSTEM INTEGRATOR SCOPE

- A. Screw Press Manufacturer to provide PLC programming for the Screw Press and provide system program to the Owner's System Integrator.
- B. All other PLC and SCADA programming excluding the Screw Press PLC shall be furnished and installed by the Owner's System Integrator. All references within this document that include System Integrator's scope shall be considered for reference only by the Contractor. The scope shall include the following:
 1. PLC and SCADA software and programming

2. Operator Interface Terminal and SCADA workstation screen development and programming.

1.4 DESCRIPTION

The Dewatering Screw Press System consists of the following components:

- Digested sludge flow meter
- Conditioning tank with mixer
- Screw press
- Polymer blending unit
- Screw press water spray system with control valve
- Inclined shaftless screw conveyor between the screw press and primary dumpster with two discharge points with the lower discharge point blocked off
- A horizontal shaftless screw conveyor between the most upstream discharge point on the inclined conveyor and the standby dumpster

When the digested sludge pump turns on and a flow signal is detected at the digested sludge flow meter, the polymer blending unit shall turn on and begin pumping polymer into the conditioning tank. The conditioning tank mixer shall also turn on. The polymer blending unit shall operate as described in Control Strategy 12. The conditioning tank mixer shall operate at an operator adjustable speed.

Digested sludge mixed with polymer will flow from the conditioning tank into the screw press head box. When the level in the screw press headbox reaches an operator adjustable setpoint, the screw press shall turn on and operate in either Constant Flow Mode or Variable Flow Mode. In Constant Flow Mode, the digested sludge and polymer flow are constant, but the screw press speed varies to maintain level in the screw press headbox. In Variable Flow Mode, the screw press speed is constant, but the digested sludge and polymer flow are varied to maintain level in the screw press headbox.

When the screw press is running, the three spray water control valves shall open one at a time in series. The first valve shall open for an operator adjustable length of time (e.g. 5 – 15 minutes) then close. The next valve shall open for an operator adjustable length of time (e.g. 5 – 15 minutes) then close. The final valve shall open for an operator adjustable length of time (e.g. 5- 15 minutes). Then the cycle shall repeat.

When the screw press is running, the inclined conveyor and horizontal conveyor shall also be running.

There shall be two shutdown modes for the Dewatering Screw Press System: Auto Shutdown and Immediate Shutdown. In Auto Shutdown Mode the equipment shall be shut down as follows: the polymer system shall stop, the blended sludge pump shall stop, the flocculation tank mixer shall stop, the screw press shall continue running for an operator adjustable amount of time then turn off, and the inclined conveyor shall continue running for an operator adjustable amount of time then turn off. In Immediate Shutdown Mode all equipment shall turn off immediately. At shutdown, the screw press shall either automatically empty itself of feed and dewatered sludge contents or shall be capable of retaining a plug of feed and/or dewatered sludge inside the dewatering screen basket for up to 72 hours without adversely impacting screw press components or startup procedures for the subsequent dewatering run.

The following conditions/alarms shall trigger Auto Shutdown Mode: blended sludge pump fault, sludge feed low flow, polymer system fault, flocculation tank mixer VFD fault, flocculation tank High-High level, screw press head box High-High level. The following conditions/alarms shall trigger Immediate Shutdown mode: screw press motor VFD fault, conveyor motor fault, conveyor E-stop pull cord activated, conveyor zero speed switch trip, any equipment FAST stop push button activated.

A cleaning cycle will automatically initiate at: the end of a dewatering run, as determined by a timer or after an inactive period following a system fault.

1.5 LOCAL MANUAL OPERATION

Local manual operation of the conditioning tank, screw press, inclined conveyor, conveyor knife gate valve, and horizontal conveyor can be initiated by using the LOCAL/OFF/REMOTE selector switches for each piece of equipment on the local control station in the dewatering area. The equipment can then be operated using the START/STOP pushbuttons, OPEN/CLOSE push buttons, and SPEED selector dials on the local control station.

Local manual operation of screw press spray water valve can be initiated using the local manual override on the valve.

1.6 REMOTE MANUAL OPERATION

Remote manual operation of the conditioning tank, screw press, screw press spray water control valve, inclined conveyor, conveyor knife gate valve, and conveyors can be initiated by setting the LOCAL/OFF/REMOTE selector switches for each piece of equipment on the local control station in the dewatering area to REMOTE. Then, from the Dewatering Screw Press System graphic display screen on the SCADA system, the MANUAL/AUTO selector switch for each piece of equipment should be toggled to MANUAL. The equipment can then be controlled with the controls on the SCADA control screen.

1.7 REMOTE AUTOMATIC OPERATION

Remote automatic operation of the conditioning tank, screw press, screw press spray water control valve, conveyors can be initiated by setting the LOCAL/OFF/REMOTE selector switches for each piece of equipment on the local control station in the dewatering area to REMOTE. Then, from the Dewatering Screw Press System graphic display screen on the SCADA system, the MANUAL/AUTO selector switch for each piece of equipment should be toggled to AUTO. The equipment will then be controlled as described in Section 1.3.

1.8 SUMMARY OF LOOP FUNCTIONS

- A. Refer to the I/O list, P&IDs, and PLC drawings.

1.9 SCADA SCREENS

- A. Digested Sludge Flow Indication
- B. Conditioning Tank High Level Indication
- C. Conditioning Tank Mixer VFD Ready Indication
- D. Conditioning Tank Mixer VFD Running Indication
- E. Conditioning Tank Mixer VFD in Remote Indication
- F. Conditioning Tank Mixer VFD Fault Indication
- G. Conditioning Tank Mixer VFD Fast Stop Indication.
- H. Conditioning Tank Mixer VFD Start Command Indication
- I. Conditioning Tank Mixer VFD Speed Command Indication
- J. Conditioning Tank Mixer VFD Speed Feedback Indication
- K. Screw Press Head Box Level Indicator
- L. Screw Press VFD Ready Indicator
- M. Screw Press VFD Running Indicator
- N. Screw Press VFD in Remote Indicator
- O. Screw Press VFD Fault Indicator
- P. Screw Press VFD FAST STOP
- Q. Screw Press VFD Start Command Indicator

- R. Screw Press VFD Speed Command Indicator
- S. Screw Press VFD Speed Feedback Indicator
- T. Conveyor Zero Speed Indicator
- U. Conveyor E-Stop & Pull Cord Indicator
- V. Conveyor Motor Running Indicator
- W. Conveyor Motor in Remote Indicator
- X. Conveyor Motor Fault Indicator
- Y. Conveyor Motor Fast Stop Indicator
- Z. Conveyor Motor Start Indicator

1.10 HISTORICAL TRENDING

- A. Digested Sludge Flow
- B. Screw Press Head Box Level
- C. Screw Press Run Time hours
- D. Conveyor Run Time Hours

1.11 ALARMS

- A. Digested Sludge Flow Meter LOW FLOW
- B. Digested Sludge Flow Meter OUT OF RANGE
- C. Digested Sludge Flow Meter LOSS OF COMMUNICATIONS
- D. Conditioning Tank Mixer VFD FAULT. Reset by pressing the reset pusbutton on the VFD. Additionally, the fault may be reset by placing the LOR selector switch at the Local Control Station in the OFF position
- E. Conditioning Tank HIGH LEVEL switch.
- F. Screw Press VFD FAULT. Reset by pressing the reset pusbutton on the VFD. Additionally, the fault may be reset by placing the LOR selector switch at the Local Control Station in the OFF position.
- G. Screw Press FAST STOP.
- H. Screw Press Head Box HIGH LEVEL
- I. Conveyor E-STOP & PULL CORD

1.12 INTERLOCKS

- A. The Conditioning Tank Mixer FAST STOP switch is hardwired to the Conditioning Tank Mixer VFD.
- B. The Screw Press FAST STOP switch is hardwired to the Screw Press VFD.
- C. The Conveyor E-STOP switches and PULL CORDS are hardwired to the Conveyor Motors.

CONTROL STRATEGY 2 – POLYMER BLENDING UNIT

1.1 REFERENCES

- A. Drawings:
 - 1. M-010
 - 2. E-010
 - 3. I-253
- B. Specifications:
 - 1. Section 46 33 33

1.2 SYSTEM COMPONENTS

- A. Major Equipment and Related Devices:
 - 1. Polymer storage tote
 - 2. Polymer system skid POL-250-06
 - 3. Polymer feed pump PMP-250-06
 - 4. Mixing Chamber TNK-250-06
 - 5. Mixer MIX-250-07
- B. Pressure and Flow Devices:
 - 1. Pressure Indicators: PI-250-06, PI-250-06B
 - 2. Flow Switches: FSL-250-06A, FSL-250-06B
 - 3. Flow Indicators: FI-250-06A, FI-250-06B
- C. Potable water dilution water piping assembly
 - 1. Pressure regulating valve
 - 2. Pressure Indicator PI-250-06A
 - 3. Water control valve
- D. Vendor supplied local control station
 - 1. Panel: LCS-250-06
 - 2. LOCAL/OFF/REMOTE selector switch: HS-250-06
 - 3. Pump SPEED selector dial: HS-250-06
 - 4. Power ON, System RUNNING, and FAULT lights: YA-250-06A, YA-250-06B, YA-250-06C
 - 5. Polymer flow readout

1.3 SYSTEM INTEGRATOR SCOPE

- A. All PLC and SCADA programming shall be furnished and installed by the Owner's System Integrator. All references within this document that include System Integrator's scope shall be considered for reference only by the Contractor. The scope shall include the following:
 - 1. PLC and SCADA software and programming
 - 2. Operator Interface Terminal and SCADA workstation screen development and programming.

1.4 DESCRIPTION

The polymer blending unit in the Dewatering Screw Press System consists of the following components:

- Polymer system skid with polymer feed pump, mixing chamber, dilution water control valve, and associated piping, valves, and instruments
- Polymer storage tote
- Potable water dilution water piping

When the digested sludge pump turns on and a flow signal is detected at the digested sludge flow meter, the polymer blending unit shall be called to run and controlled via the vendor supplied panel for the polymer blending unit. The panel shall operate the polymer feed pump, potable dilution water control valve, and mixer to achieve an operator adjustable target polymer dose based on the digested sludge flow rate and operator

adjustable stored polymer concentration. The local control station shall monitor the feed pump flow switch and dilution water flow switch and alarm if flow is detected below and operator adjustable set point. The feed pump shall turn off and the potable water dilution water control valve shall shut in response to these alarms.

1.5 LOCAL MANUAL OPERATION

Local manual operation of the polymer blending unit can be initiated by using the LOCAL/OFF/REMOTE selector switch on the vendor supplied local control panel to LOCAL. The system can then be controlled using the START/STOP pushbuttons and SPEED selector dials on the panel. Dilution water flows can be adjusted manually using the rotary valves and rotameters on the polymer skid.

1.6 REMOTE MANUAL OPERATION

Remote manual operation of the polymer blending unit can be initiated by setting the LOCAL/OFF/REMOTE selector switch on the vendor supplied local control panel to REMOTE. Then, from the Dewatering Screw Press System graphic display screen on the SCADA system, the MANUAL/AUTO selector switch for each piece of equipment should be toggled to MANUAL. The equipment can then be controlled with the controls on the SCADA control screen.

1.7 REMOTE AUTOMATIC OPERATION

Remote automatic operation of the polymer blending unit can be initiated by setting the LOCAL/OFF/REMOTE selector switch on the vendor supplied local control panel to REMOTE. Then, from the Dewatering Screw Press System graphic display screen on the SCADA system, the MANUAL/AUTO selector switch for each piece of equipment should be toggled to AUTO. The equipment will then be controlled as described in Section 1.3.

1.8 SUMMARY OF LOOP FUNCTIONS

- A. Refer to the I/O list, P&IDs, and PLC drawings.

1.9 SCADA SCREENS

- A. Polymer System Set Point
- B. Polymer System Running Indicator
- C. Polymer System in Remote Indicator
- D. Polymer System Speed Control Indicator
- E. Polymer System Remote Start Indicator
- F. Polymer System Flow Fault Indicator
- G. Polymer System Fast Stop Indicator

1.10 HISTORICAL TRENDING

- A. Polymer System run time hours

1.11 ALARMS

- A. Polymer System FLOW FAULT
- B. Shower / Eyewash Flow Switch WATERFLOW ALARM

1.12 INTERLOCKS

- A. The FAST STOP switch on the Polymer System Control Panel is hardwire interlocked to the starter in the control panel.

CONTROL STRATEGY 3 – SLUDGE BLEND TANK

1.1 REFERENCES

- A. Drawings:
 1. M-250
 2. E-250
 3. I-250
- B. Specifications:
 1. Section 46 41 21

1.2 SYSTEM COMPONENTS

- A. Major Equipment and Related Devices
 1. Sludge Blend Tank: SLB-250-01
 2. Sludge Blend Tank Mixing Pumps: PMP-250-01, PMP-250-02
 3. Sludge Blend Tank Level Indicator/Transmitter: LIT-250-01
 4. Blended Sludge Pump: PMP-250-03
- B. MCC Devices:
 1. Variable Speed Drives: VFD-250-03
- C. Motor Starters: MS-250-01, MS-250-02

1.3 SYSTEM INTEGRATOR SCOPE

- A. All PLC and SCADA programming shall be furnished and installed by the Owner's System Integrator. All references within this document that include System Integrator's scope shall be considered for reference only by the Contractor. The scope shall include the following:
 1. PLC and SCADA software and programming
 2. Operator Interface Terminal and SCADA workstation screen development and programming.

1.4 DESCRIPTION

The Sludge Blend Tank Mixing System consists of the following components:

- Sludge blend tank
- Sludge blend tank mixing pumps
- Sludge blend tank level indicator
- Blended sludge pump

During normal operation, the sludge blend tank is continuously receiving flow from the WAS line. When the water level is above five (5) feet from the bottom of the tank as detected by the level indicating transmitter, the sludge blend tank mixing pump PMP-250-01 will turn on. The mixing system will operate at constant speed and provide 12-14 lbs of oxygen per hour. The sludge blend tank mixing pump will automatically shut down once the level in the tank falls below five (5) feet. If PMP-250-01 is no longer operational, a signal will be sent to SCADA and the operator will manually close its isolation valves and open the isolation valves for PMP-250-02. PMP-250-02 will then begin operation.

The blended sludge pump will operate on a VFD in accordance with Control Strategy 1 in Section 40 61 96.13 for the Dewatering Screw Press System. If the tank level as detected by the level indicating transmitter on the sludge blend tank falls below five (5) feet from the bottom of the tank, the blended sludge pumps will automatically shut down.

1.5 LOCAL MANUAL OPERATION

Local manual operation of the sludge blend tank mixing pump and blended sludge pump can be initiated by using the LOCAL/OFF/REMOTE selector switches for each piece of equipment on the local control station in the dewatering area. The equipment can then be operated using the START/STOP pushbuttons, OPEN/CLOSE push buttons, and SPEED selector dials on the local control station.

1.6 REMOTE MANUAL OPERATION

Remote manual operation of the sludge blend tank mixing pump and blended sludge pump can be initiated by setting the LOCAL/OFF/REMOTE selector switches for each piece of equipment on the local control station in the dewatering area to REMOTE. Then, from the Dewatering Screw Press System graphic display screen on the SCADA system, the MANUAL/AUTO selector switch for each piece of equipment should be toggled to MANUAL. The equipment can then be controlled with the controls on the SCADA control screen.

1.7 REMOTE AUTOMATIC OPERATION

Remote automatic operation of the sludge blend tank mixing pump and blended sludge pump can be initiated by setting the LOCAL/OFF/REMOTE selector switches for each piece of equipment on the local control station in the dewatering area to REMOTE. Then, from the Dewatering Screw Press System graphic display screen on the SCADA system, the MANUAL/AUTO selector switch for each piece of equipment should be toggled to AUTO. The equipment will then be controlled as described in Section 1.3.

1.8 SUMMARY OF LOOP FUNCTIONS

- A. Refer to the I/O list, P&IDs, and PLC drawings.

END OF SECTION

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SECTION 40 73 00

PRESSURE, STRAIN, AND FORCE MEASUREMENT

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes

1. This section includes the requirements pertaining to the measurement and control instruments.

1.02 REFERENCES

A. American National Standards Institute (ANSI).

1. 51.1-1979 - (R1993) - Process Instrumentation Terminology.
2. 5.1-1984 - (R1992) - Instrumentation Symbols and Identification.

B. Instrumentation, Systems, and Automation Society (ISA).

1. 5.3-1983 - Graphic Symbols for Distributed Control/Shared Display Instrumentation, Logic, and Computer Systems.

C. National Fire Protection Association (NFPA) 70 - National Electrical Code.

D. National Electrical Manufacturer's Association (NEMA).

1. 1-2000 - Industrial Control and Systems General Requirements.

E. Underwriters Laboratory (UL).

1. 508 - Industrial Control Equipment.

2. 3121-1 - Standard for Safety for Process Control Equipment.

1.03 DEFINITIONS

A. Manufacturer's Representative - manufacturer's authorized employee of the service division.

1.04 SUBMITTALS

A. Contractor shall submit all the product data in Division 26 at the same time. Piecemeal submittals will be rejected as incomplete.

B. Submittal Format:

1. The product data shall be provided as individual PDFs for each Section, unless otherwise noted for specific items. Each PDF shall be numbered to match the specification Section numbers. Submittals not itemized and labeled as specified will be rejected as incomplete.
2. A submittal is required for each product specified. Each individual product submittal shall have the corresponding Reference Keynote Number (example - 16000.A01) typewritten in the upper right hand corner of the submittal. The submittals within each Section tab shall be in the same sequential order as they

are listed in the specification Section. Submittals not containing the Reference Keynote Number will be rejected as incomplete.

3. No typical submittals will be accepted. Each submittal shall be project specific and clearly identify specifically which components or parts are being submitted for approval. Any product submittals, such as a catalog sheet, which do not clearly identify which components or parts are being submitted for approval, will be rejected as incomplete.
4. Submittals in PDF shall include an index, table of contents, or bookmarks with hyperlinks to the associated page of all submitted items. Index shall include each product specified with their corresponding Reference Keynote Number. Electronic submittals not containing a linked index, table of contents, or bookmarks will be rejected as incomplete.

C. Refer to Section 26 05 00 – Common Work Results for Electrical Submittals for additional requirements.

D. Product Data

1. Pursuant to Section 01300 – Submittal Procedures.

E. Quality Assurance/Control Submittals

1. Manufacturers' instructions for each item specified in PART 2 PRODUCTS.
 - a. Complete user manual including installation, wiring schematic, programming, calibration, communication, diagnostics, troubleshooting, recommended spare parts, and maintenance recommendations or requirements.

1.05 SEQUENCING

- A. CONTRACTOR shall not energize instrumentation until the completion of the continuity test certification and certification of installation by manufacturer's representative.

1.06 SYSTEM START UP, COMMISSIONING, AND OWNER'S TRAINING

- A. Pursuant to Section 13490 Measurement and Control Commissioning.

PART 2 - PRODUCTS

2.01 EQUIPMENT

- A. Pressure Switch (407300.P40).
 1. Pressure switches shall be provided as shown on the Drawings.
 2. Provide pressure switch controller with two independently adjustable setpoints, fixed deadband.
 3. Pressure switch enclosure shall NEMA 7/9, watertight, corrosion resistant, and explosion proof Division 1 & 2.
 4. The switch elements shall be rated a minimum of 10 amps at 125/250 VAC, 5 amps at 30 VDC.

5. Pressure switch actuator seals shall be Buna N with a minimum process temperature limit of - 150 degrees F.
6. Pressure switch pressure ports shall be 1/4-inch NPT female.
7. Pressure switches shall be rated for 200 PSI minimum.
8. Provide Ashcroft model PPD-KK-B-200-PSI-N7-25-JC-CH, or approved equal.

PART 3 - EXECUTION

3.01 INSTALLATION

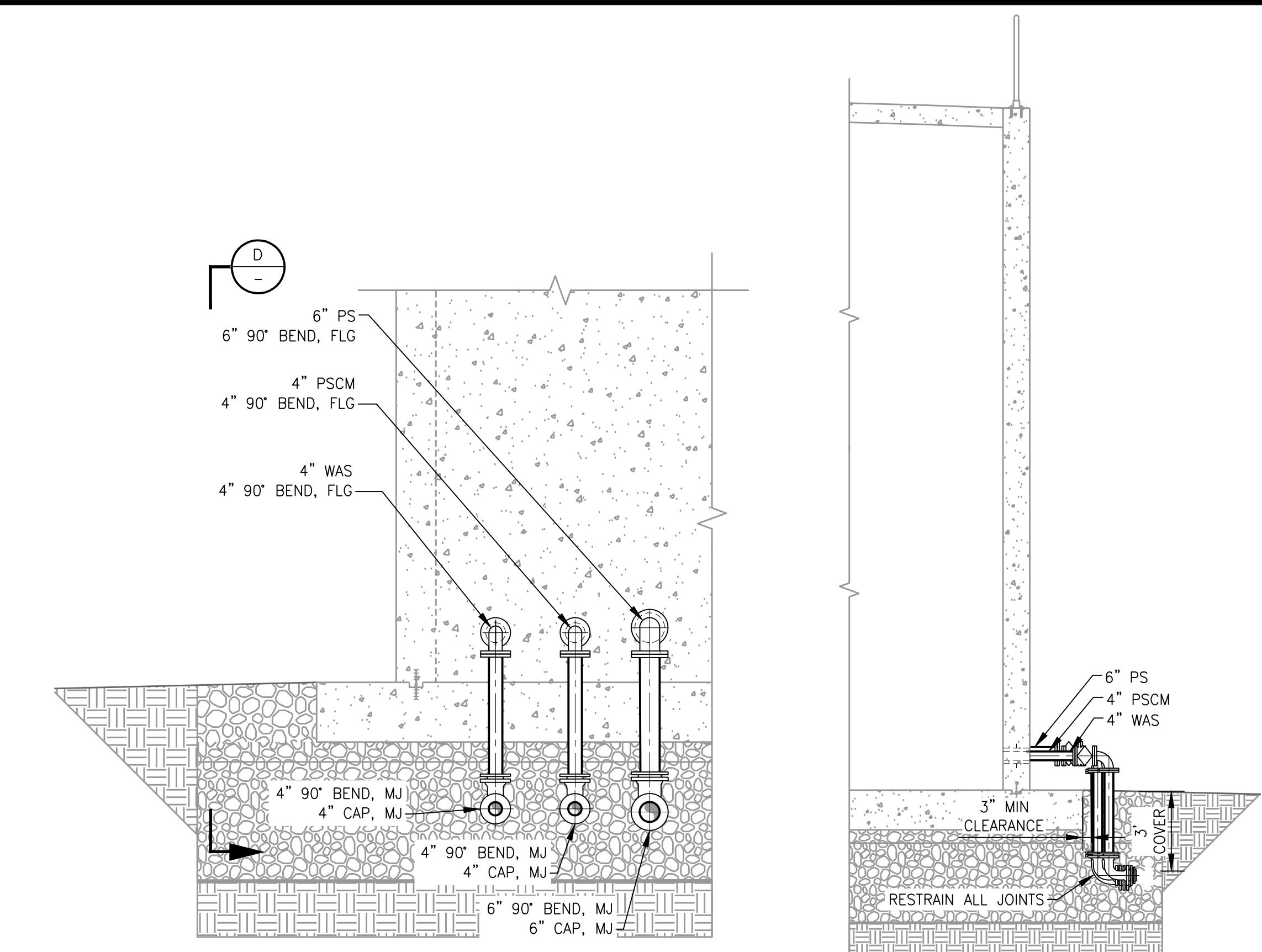
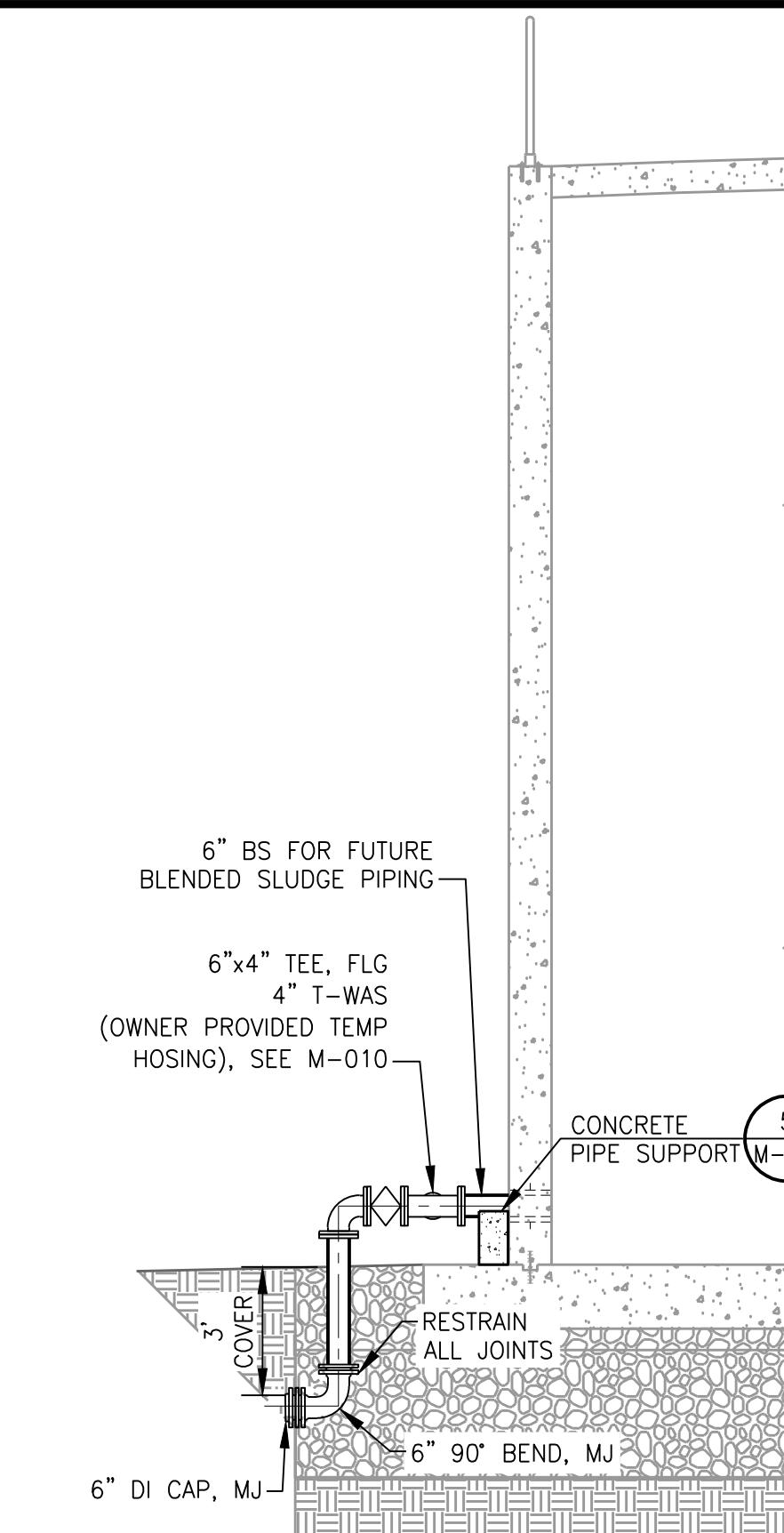
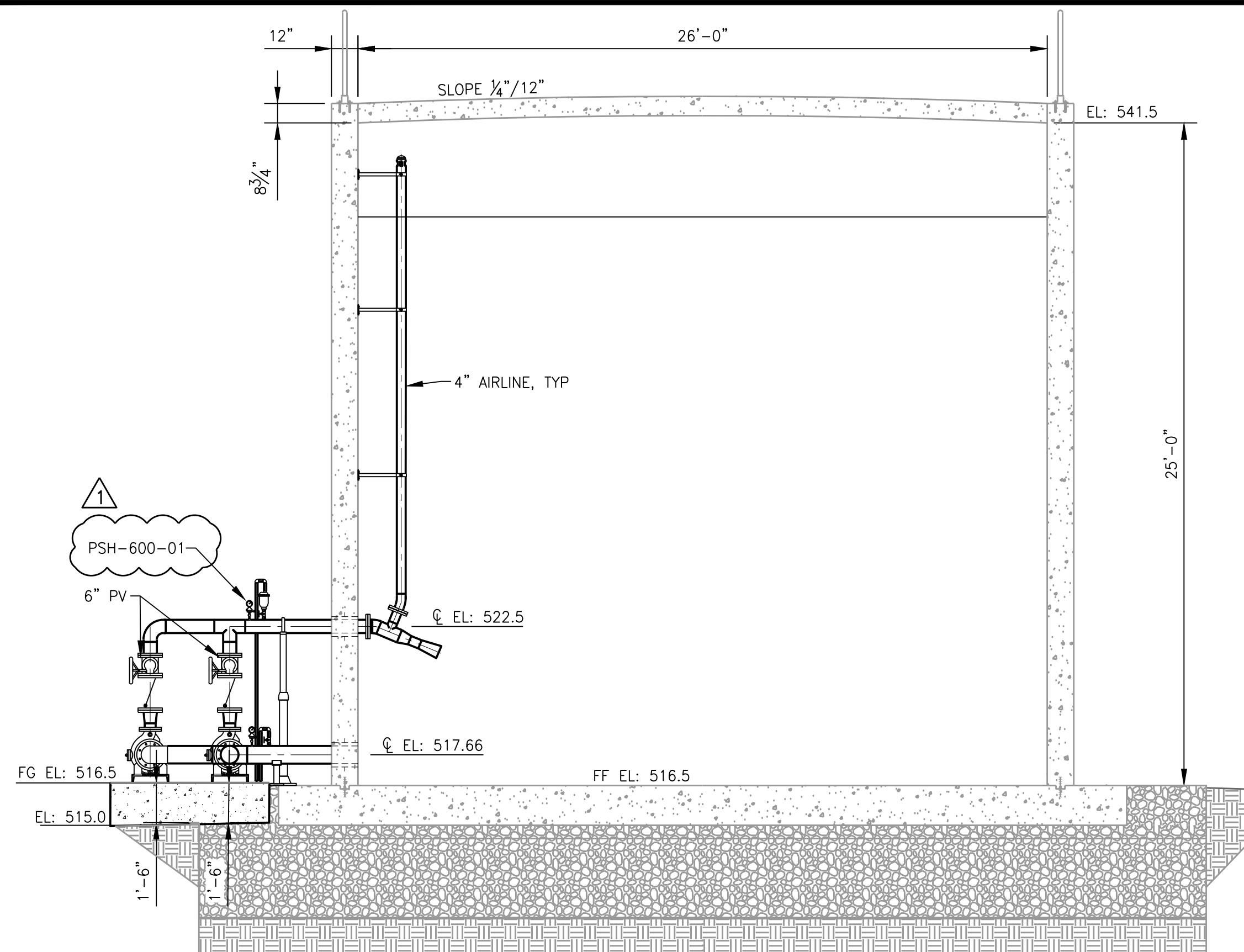
- A. General
 1. All identification labeling shall be in compliance with Section 26 05 53 Electrical and Control Identification.
 2. Field wiring shall be installed according to the Drawings and manufacturer's instructions.
 3. Wire and cable shall be connected from terminal to terminal without splices.
 4. Wire and cable shall be arranged in a neat manner and securely supported in cable groups.
 5. Wiring shall be protected from sharp edges and corners.
 6. Transmitter connections shall be made using a terminal junction box, analog receptacles, and analog connectors as shown.
 7. All equipment to be located as shown, and rigidly attached to walls or floor as shown or directed by Owner's Representative. Install all equipment in strict accordance with manufacturer's recommendations and in compliance with all rules and regulations of jurisdictions having authority. All work to be set plumb or level, as applicable, to be rigid and neat in appearance. Provide shop drawing of equipment and accessory layout and manufacturer's recommendations for installation and accessories before installing.
 8. All piping shall be installed as shown on the plans or as directed by Owner's Representative.
 9. All piping shall be supported as required to eliminate stresses on equipment including, but not limited to, the feed pump and chlorine tablet feeder.

3.02 ADJUSTING

- A. The representative shall check the installation and supervise initial startup of the equipment. He shall certify that the installation is correct and that the equipment has operated satisfactorily.
- B. The overall accuracy of each instrumentation system or loop shall be as indicated in the specification for that system or loop. Each individual instrument shall have a minimum accuracy of ± 0.5 percent of full scale and a minimum repeatability of ± 0.25 percent of full scale unless otherwise indicated.

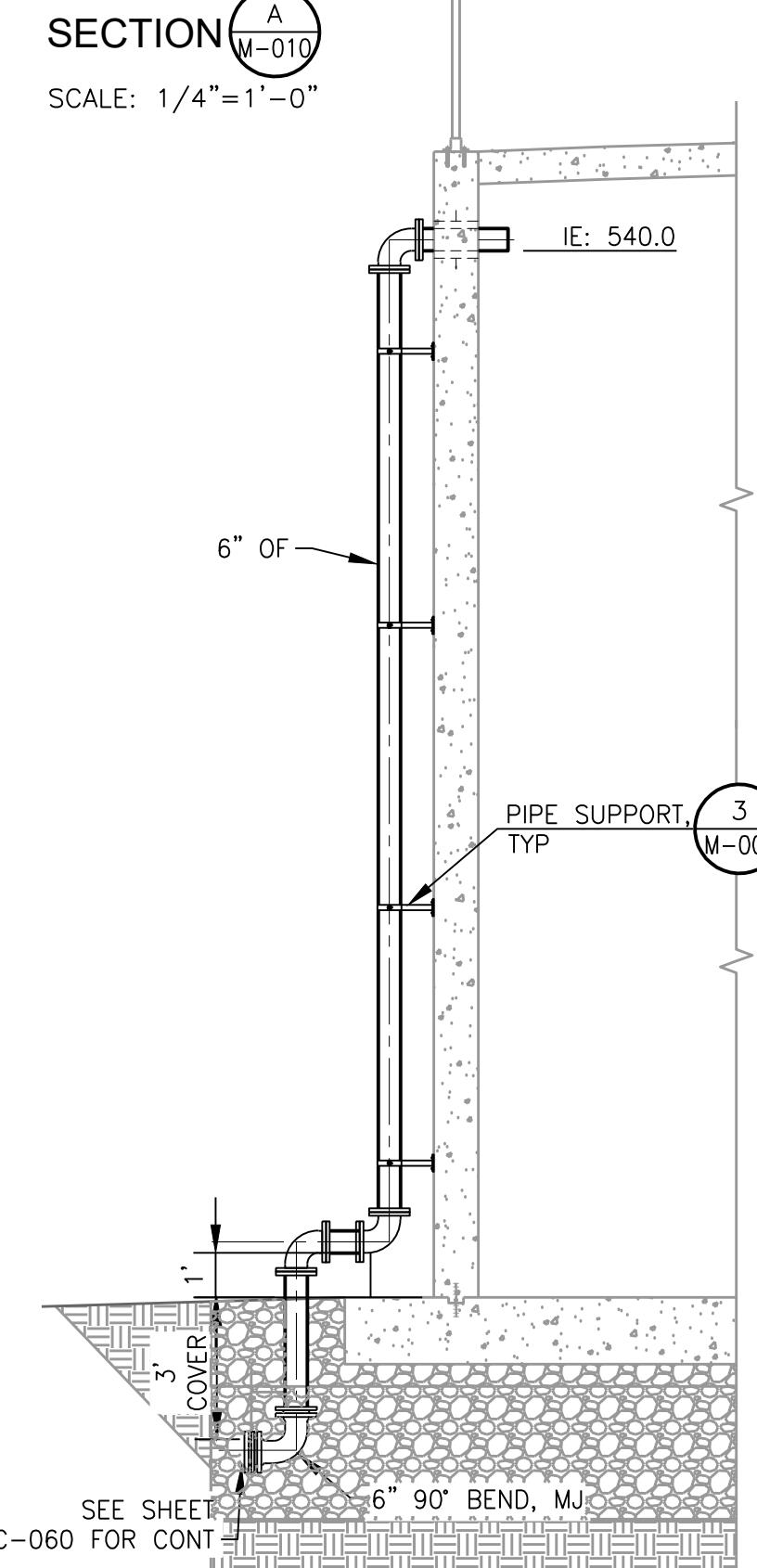
- C. The Contractor shall furnish a representative of the manufacturer to perform inspection, startup and training services. The manufacturer's representative shall be experienced in the operation and maintenance of the equipment.
- D. The representative shall check the installation and supervise initial startup of the equipment. He shall certify that the installation is correct and that the equipment has operated satisfactorily.
- E. After the installation and operation of the equipment has been certified, the manufacturer's representative shall train the City's personnel in the proper operation and maintenance of the equipment.

END OF SECTION



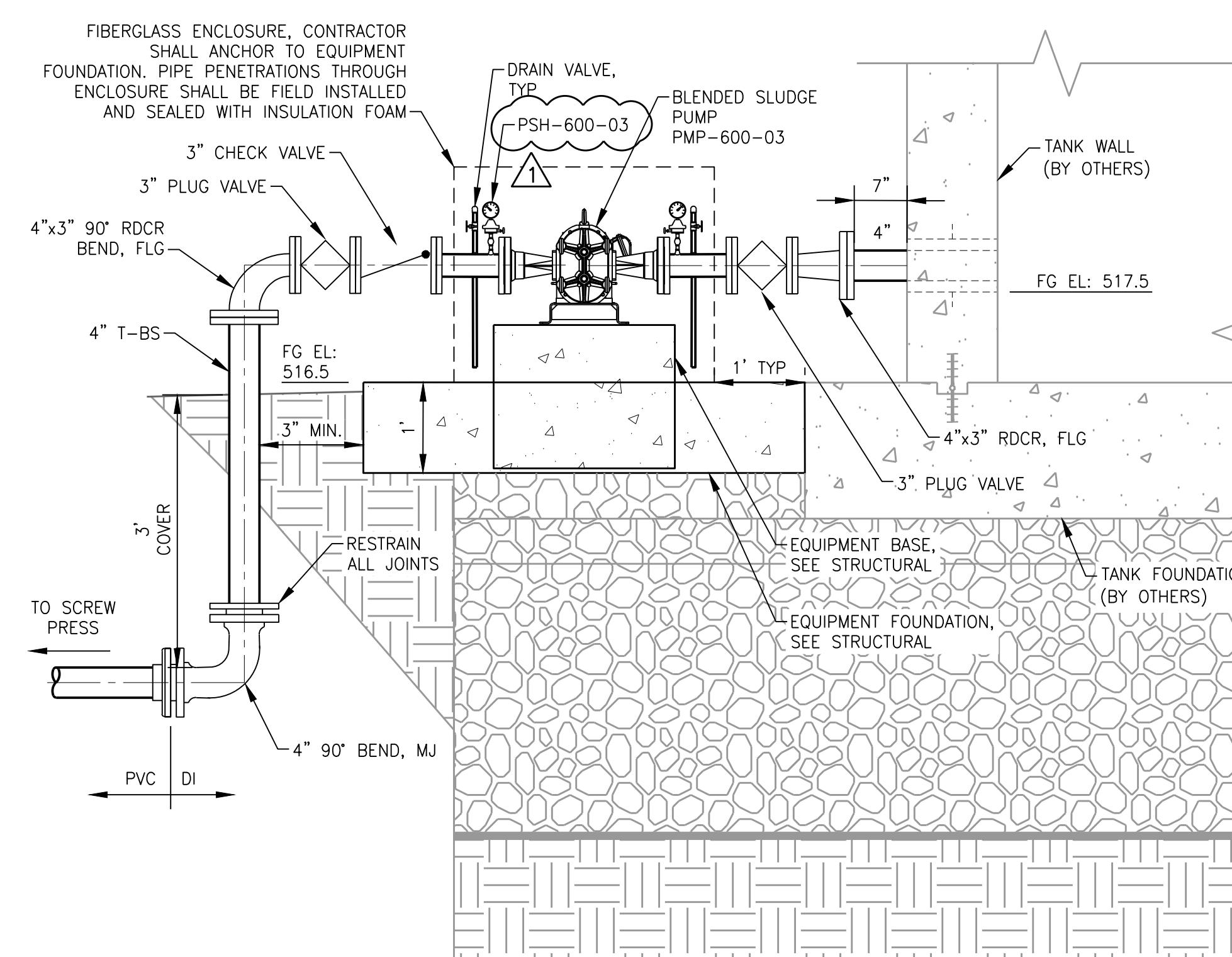
SECTION A M-010

SCALE: 1/4"=1'-0"



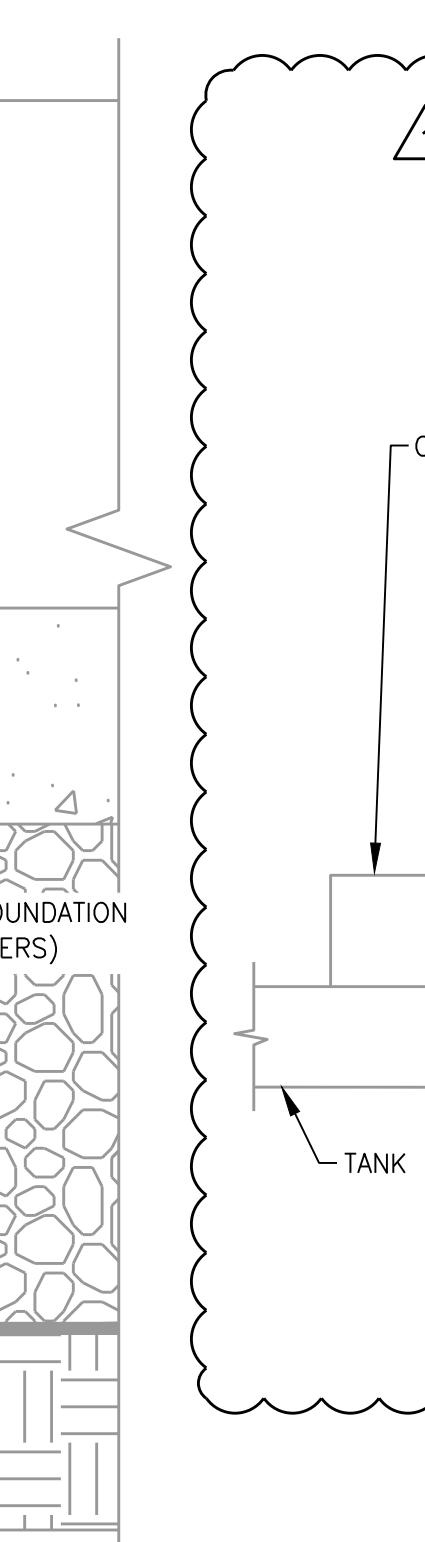
SECTION B M-010

SCALE: 1/4"=1'-0"



SECTION C M-010

SCALE: 3/8"=1'-0"



SECTION E M-010

SCALE: 1/4"=1'-0"

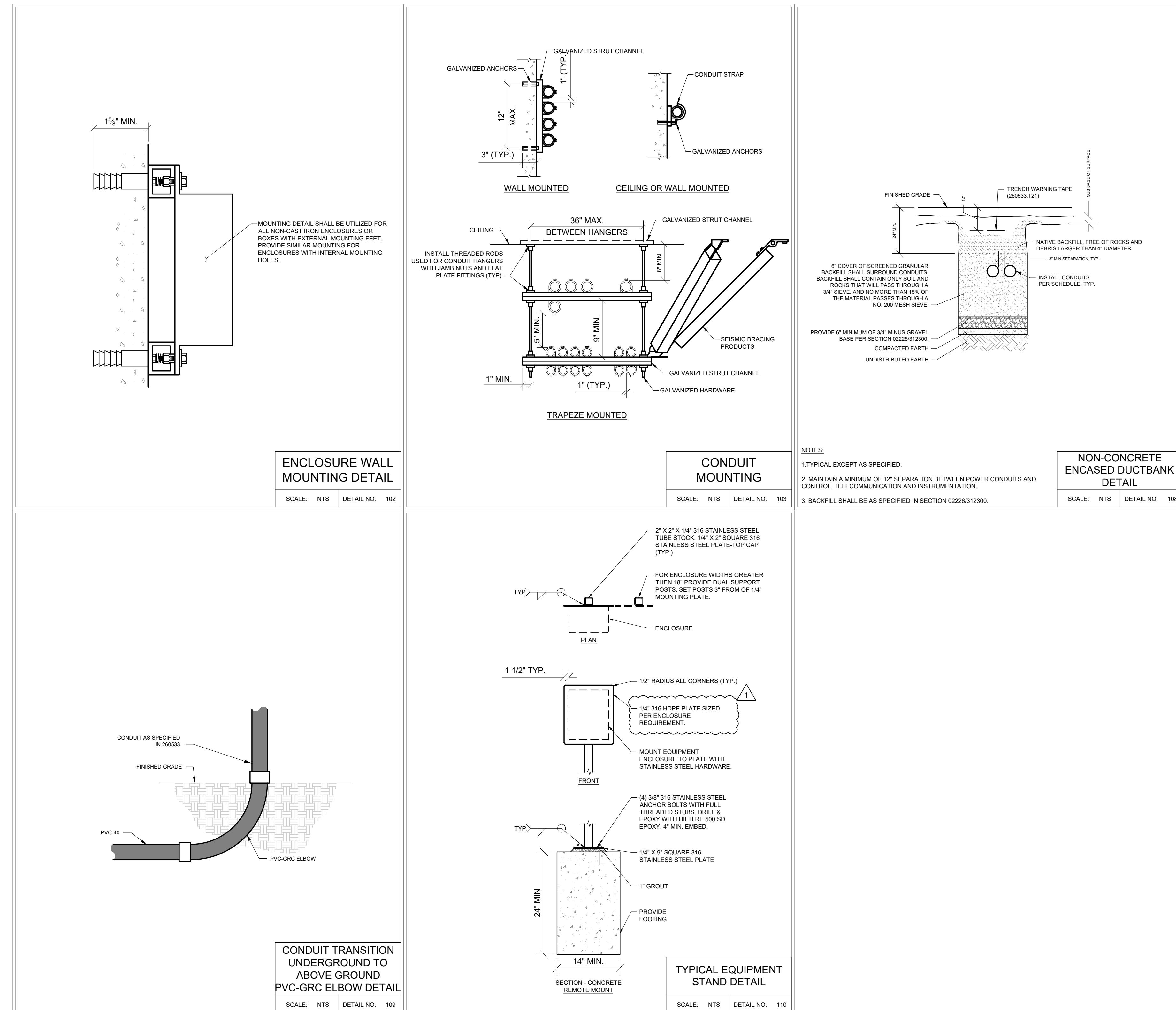


SECTION F M-010

SCALE: 3/4"=1'-0"



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PROJECT

ELECTRICAL DETAILS		
PROJECT NO.: 936-50-21-09	SCALE:	AS SHOWN

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SHEET
E-003

POWER CONDUIT / CONDUCTOR SCHEDULE											
CONDUIT ID NO.	CONDUIT		CONDUCTORS PER CONDUIT					FROM	TO	DESCRIPTION	NOTES
	QUANTITY	SIZE	UNGROUNDED	GROUNDING	CABLE	SPARE					
P101	1	1.0 INCH	3 - #6	-	1 - #10	-	-	EXISTING MCC-3	LCS-250-01	SCREWPRESS SKID CONTROL PANEL	-
P102	1	0.75 INCH	3 - #10	-	1 - #10	-	-	EXISTING MCC-3	MS-600-01	SLUDGE BLEND TANK MIXING PUMP NO. 1 MOTOR STARTER POWER	-
P103	1	0.75 INCH	3 - #10	-	1 - #12	-	-	EXISTING MCC-3	MS-600-02	SLUDGE BLEND TANK MIXING PUMP NO. 2 MOTOR STARTER POWER	-
P104	1	0.75 INCH	3 - #12	-	1 - #12	-	-	EXISTING MCC-3	VFD-600-03	BLENDED SLUDGE FEED PUMP VFD POWER	-
P105	1	0.75 INCH	3 - #10	-	1 - #10	-	-	MS-600-01	PMP-600-01	SLUDGE BLEND TANK MIXING PUMP NO. 1	1
P106	1	0.75 INCH	3 - #10	-	1 - #12	-	-	MS-600-02	PMP-600-02	SLUDGE BLEND TANK MIXING PUMP NO. 2	1
P107	1	0.75 INCH	3 - #12	-	1 - #12	-	-	VFD-600-03	PMP-600-03	BLENDED SLUDGE FEED PUMP	-
P108	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	MIX-250-01	CONDITIONING TANK MIXER	2
P109	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	DEW-250-02	SCREW PRESS MOTOR	2
P110	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	CON-250-03	INCLINE CONVEYOR	2
P111	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	CON-250-04	HORIZONTAL CONVEYOR	2
P112	1	0.75 INCH	3 - #12	-	1 - #12	-	-	LCS-250-01	POL-250-06	POLYMER FEED SYSTEM	2
P113	1	0.75 INCH	3 - #12	-	1 - #12	-	-	EXISTING PANEL 'C'	RCP-100	CKT. 12, RADIO TELEMETRY PANEL	3

NOTES:

[1] ROUTE CONDUIT VIA LOCAL DISCONNECT AS IDENTIFIED ON ONE-LINE AND SITE PLAN.

[2] EQUIPMENT IS PART OF OWNER FURNISHED, CONTRACTOR INSTALLED SCREWPRESS SKID PACKAGE. COORDINATE FINAL LOCATION OF EQUIPMENT WITH MECHANICAL AND SCREWPRESS VENDOR.

[3] PROVIDE 20A CIRCUIT BREAKER FOR EXISTING PANEL 'C' FOR THE OWNER FURNISHED, CONTRACTOR INSTALLED RADIO TELEMETRY PANEL, RCP-100.

CONTROL CONDUIT / CONDUCTOR SCHEDULE											
CONDUIT ID NO.	CONDUIT		CONDUCTORS PER CONDUIT					FROM	TO	DESCRIPTION	NOTES
	QUANTITY	SIZE	UNGROUNDED	GROUNDING	CABLE	SPARE					
C101	1	0.75 INCH	-	-	1 - #14	1 - CAT6	-	RCP-100	LCS-250-01	TELEMETRY E/IP COMMUNICATIONS	-
C102	1	0.75 INCH	14 - #14	-	1 - #14	-	-	LCS-250-01	MS-600-01	SLUDGE TANK MIXING PUMP NO.1 DISCRETE I/O: OVERLOAD, HIGH TEMP, HIGH PRESSURE ALARMS, MOTOR READY, IN-REMOTE, MOTOR RUNNING, AND START COMMAND	-
C103	1	0.75 INCH	14 - #14	-	1 - #14	-	-	LCS-250-01	MS-600-02	SLUDGE TANK MIXING PUMP NO.2 DISCRETE I/O: OVERLOAD, HIGH TEMP, HIGH PRESSURE ALARMS, MOTOR READY, IN-REMOTE, MOTOR RUNNING, AND START COMMAND	-
C104	1	0.75 INCH	12 - #14	-	1 - #14	-	-	LCS-250-01	VFD-600-03	BLENDED SLUDGE PUMP DISCRETE I/O: VFD FAIL, HIGH TEMP, HIGH PRESSURE ALARMS, MOTOR READY, IN-REMOTE, MOTOR RUNNING	-
C105	1	1.0 INCH	-	-	1 - #14	2 - TSP	-	LCS-250-01	VFD-600-03	BLENDED SLUDGE PUMP ANALOG I/O: SPEED FEEDBACK, SPEED SETPOINT	-
C106	1	0.75 INCH	-	-	1 - #14	1 - CAT6	-	LCS-250-01	FE/FIT-250-00	FLOWMETER E/IP CONNECTION	-
C107	1	0.75 INCH	2 - #14	-	1 - #14	-	-	LCS-250-01	FE/FIT-250-00	FLOWMETER 24VDC POWER	-
C108	-	-	-	-	-	-	-	-	-	-	-
C109	-	-	-	-	-	-	-	-	-	-	-
C110	-	-	-	-	-	-	-	-	-	-	-
C111	-	-	-	-	-	-	-	-	-	-	-
C112	-	-	-	-	-	-	-	-	-	-	-
C113	-	-	-	-	-	-	-	-	-	-	-
C114	1	0.75 INCH	6 - #14	-	1 - #14	-	-	LCS-250-01	CON-250-03	INCLINE CONVEYOR I/O: ZERO SPEED SWITCH (POWER & ALARM), E-STOP PULL CORD	3
C115	1	0.75 INCH	6 - #14	-	1 - #14	-	-	LCS-250-01	CON-250-04	HORIZONTAL CONVEYOR I/O: ZERO SPEED SWITCH (POWER & ALARM), E-STOP PULL CORD	3
C116	-	-	-	-	-	-	-	-	-	-	-
C117	-	-	-	-	-	-	-	-	-	-	-
C118	1	0.75 INCH	-	-	1 - #14	1 - TSP	-	LCS-250-01	LIT-600-01	LCS DEVICES: LOR, START, OFF, FAST STOP, RUNNING AND FAULT LIGHTS, PRESSURE & OVERTEMP ALARM	-
C119	1	1.0 INCH	18 - #14	-	1 - #14	-	-	MS-600-01	LCS-600-01	LCS DEVICES: LOR, START, OFF, FAST STOP, RUNNING AND FAULT LIGHTS, PRESSURE & OVERTEMP ALARM	1
C120	1	1.0 INCH	18 - #14	-	1 - #14	-	-	MS-600-02	LCS-600-01	LCS DEVICES: LOR, START, OFF, FAST STOP, RUNNING AND FAULT LIGHTS, PRESSURE & OVERTEMP ALARM	1
C121	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PSH-600-01	LCS-600-01	PRESSURE ALARM	2
C122	-	-	-	-	-	-	-	-	-	-	-
C123	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PSH-600-03	VFD-600-03	PRESSURE ALARM	-
C124	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PMP-600-01	LCS-600-01	HIGH TEMPERATURE ALARM	2
C125	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PMP-600-02	LCS-600-01	HIGH TEMPERATURE ALARM	2
C126	1	0.75 INCH	2 - #14	-	1 - #14	-	-	PMP-600-03	VFD-600-03	HIGH TEMPERATURE ALARM	-
C127	-	-	-	-	-	-	-	-	-	-	-
C128	-	-	-	-	-	-	-	-	-	-	-

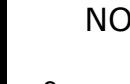
NOTES:

[1] ROUTE TEMPERATURE AND PRESSURE ALARMS VIA LCS-600-01 BACK TO THE CORRESPONDING MOTOR STARTER AS FAILSAFE ALARMS.

[2] ROUTE VIA LCS-600-01.

[3] INSTRUMENT IS PART OF OWNER FURNISHED, CONTRACTOR INSTALLED SCREWPRESS SKID PACKAGE. COORDINATE FINAL LOCATION OF INSTRUMENTS WITH MECHANICAL AND SCREWPRESS VENDOR.

02/2023	MB	ADDENDUM #2
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NOTICE
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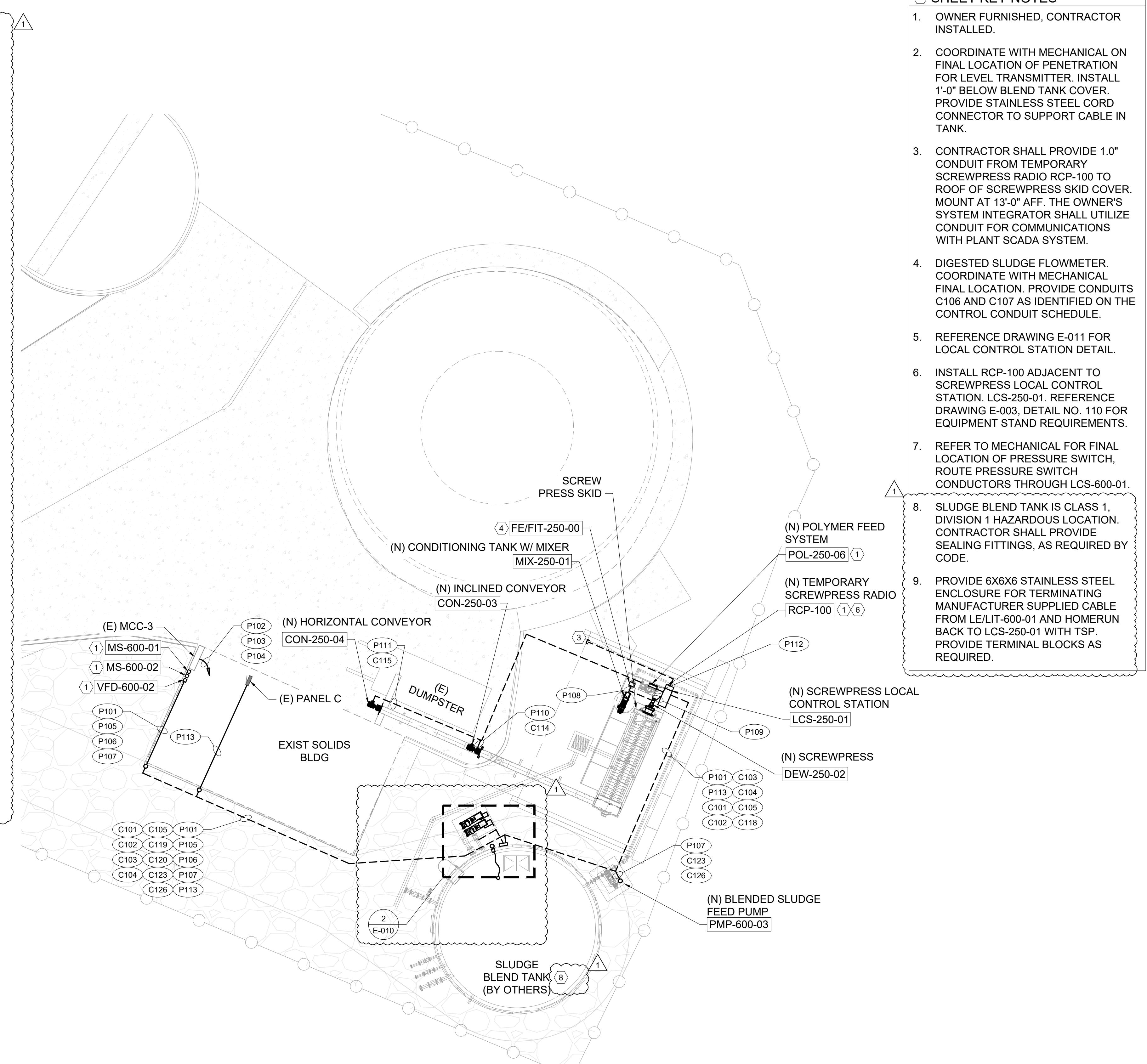
MAHLER WATER
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ELECTRICAL CONDUIT SCHEDULE
PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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SHEET KEY NOTES

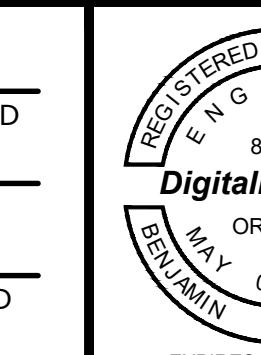
1. OWNER FURNISHED, CONTRACTOR INSTALLED.
2. COORDINATE WITH MECHANICAL ON FINAL LOCATION OF PENETRATION FOR LEVEL TRANSMITTER. INSTALL 1'-0" BELOW BLEND TANK COVER. PROVIDE STAINLESS STEEL CORD CONNECTOR TO SUPPORT CABLE IN TANK.
3. CONTRACTOR SHALL PROVIDE 1.0" CONDUIT FROM TEMPORARY SCREWRESS RADIO RCP-100 TO ROOF OF SCREWRESS SKID COVER. MOUNT AT 13'-0" AFF. THE OWNER'S SYSTEM INTEGRATOR SHALL UTILIZE CONDUIT FOR COMMUNICATIONS WITH PLANT SCADA SYSTEM.
4. DIGESTED SLUDGE FLOWMETER. COORDINATE WITH MECHANICAL FINAL LOCATION. PROVIDE CONDUITS C106 AND C107 AS IDENTIFIED ON THE CONTROL CONDUIT SCHEDULE.
5. REFERENCE DRAWING E-011 FOR LOCAL CONTROL STATION DETAIL.
6. INSTALL RCP-100 ADJACENT TO SCREWRESS LOCAL CONTROL STATION. LCS-250-01. REFERENCE DRAWING E-003 DETAIL NO. 110 FOR EQUIPMENT STAND REQUIREMENTS.
7. REFER TO MECHANICAL FOR FINAL LOCATION OF PRESSURE SWITCH, ROUTE PRESSURE SWITCH CONDUCTORS THROUGH LCS-600-01.
8. SLUDGE BLEND TANK IS CLASS 1, DIVISION 1 HAZARDOUS LOCATION. CONTRACTOR SHALL PROVIDE SEALING FITTINGS, AS REQUIRED BY CODE.
9. PROVIDE 6X6X6 STAINLESS STEEL ENCLOSURE FOR TERMINATING MANUFACTURER SUPPLIED CABLE FROM LE/LIT-600-01 AND HOMERUN BACK TO LCS-250-01 WITH TSP. PROVIDE TERMINAL BLOCKS AS REQUIRED.



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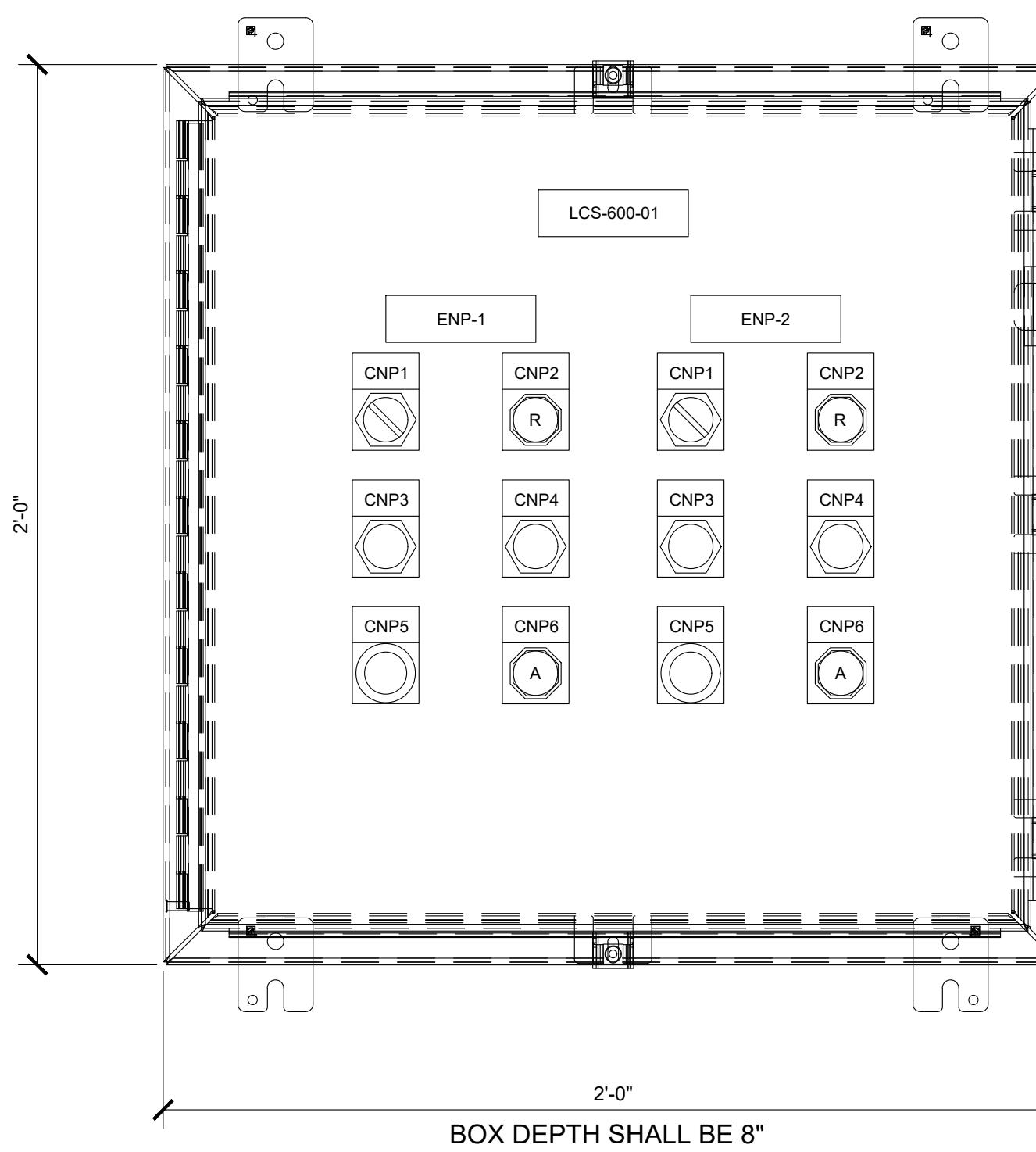
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ELECTRICAL SOLIDS AREA SITE PLAN

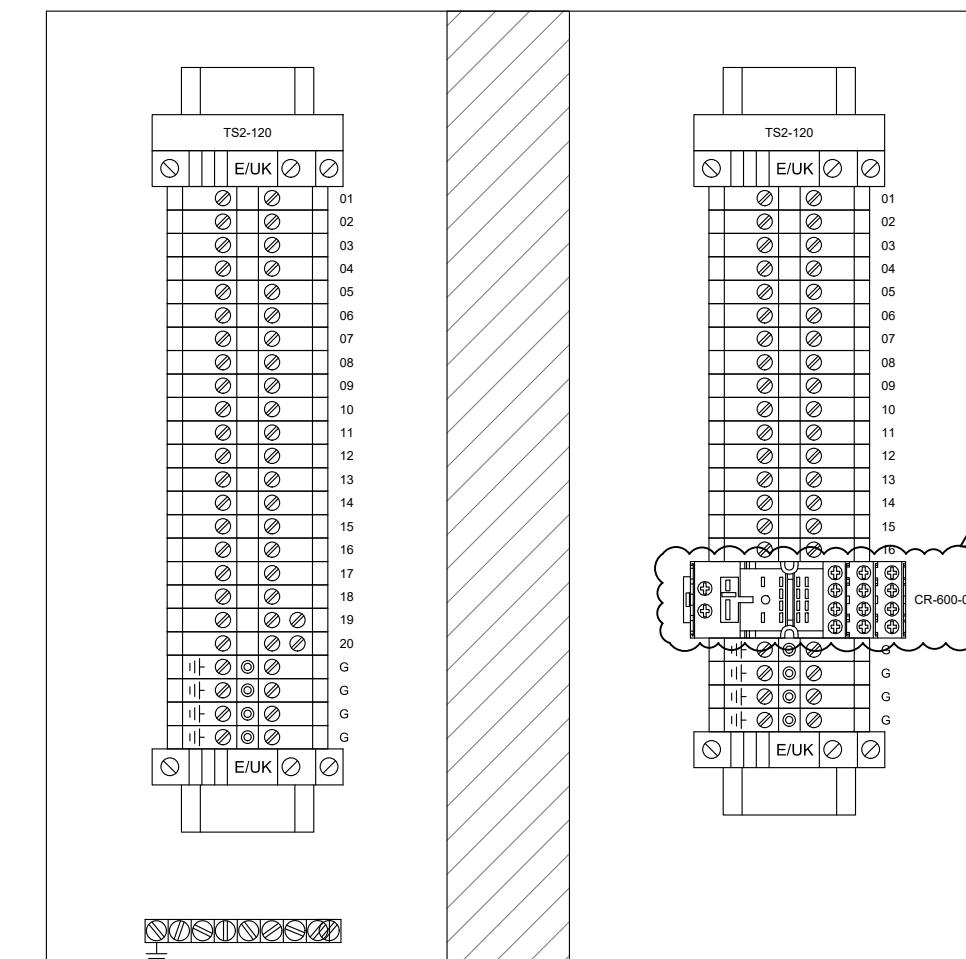
PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

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E-010

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1 LCS-600-01 FRONT ELEVATION
SCALE: NTS



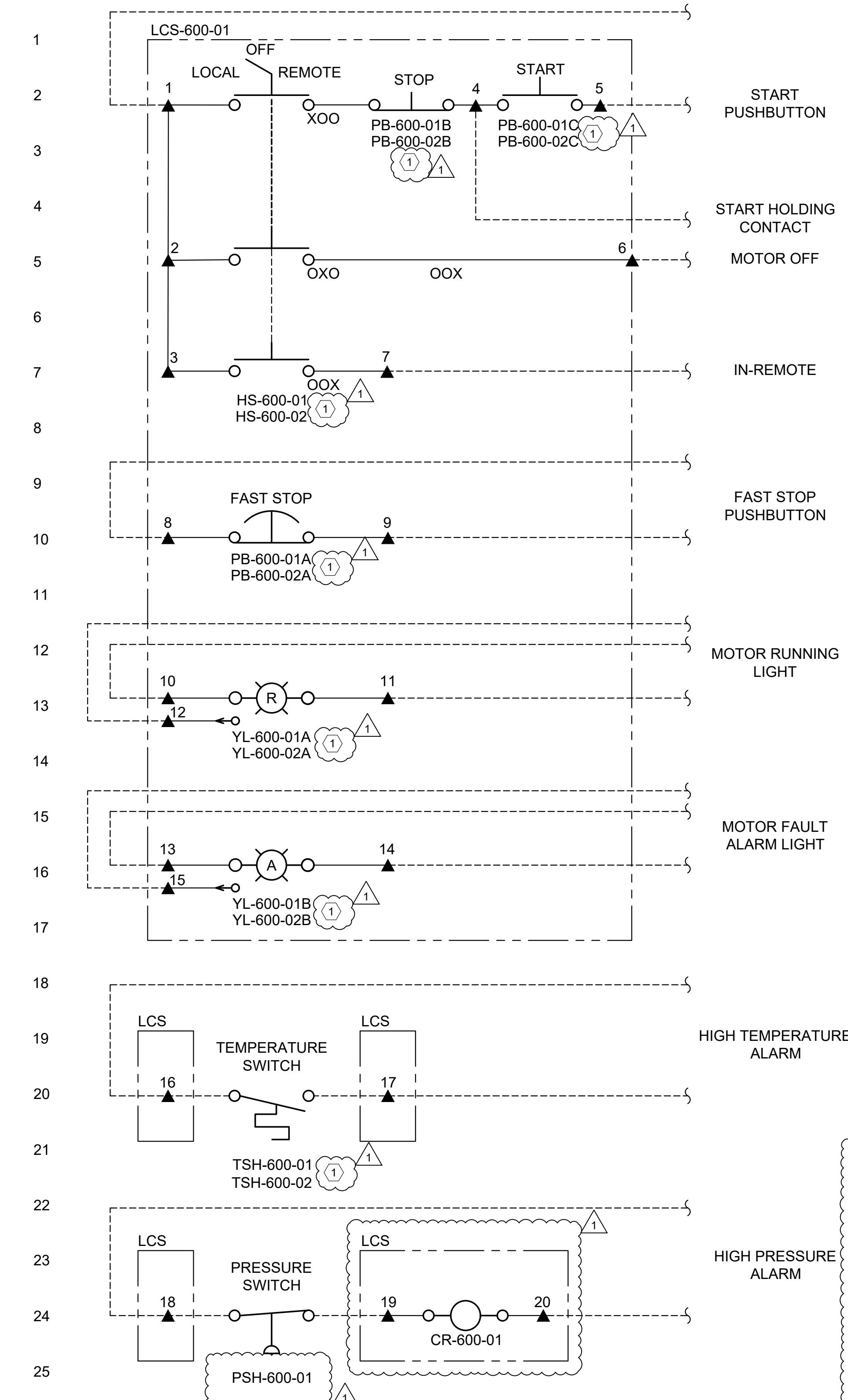
2 LCS-600-01 INTERIOR ELEVATION
SCALE: NTS

SLUDGE BLEND TANK MIXING PUMP LOCAL CONTROL STATION PARTS LIST		
QUANTITY	REFERENCE KEYNOTE #	DESCRIPTION
1	407800.E01	STAINLESS STEEL, NEMA 4X ENCLOSURES
2	407800.S01	SELECTOR SWITCHES
4	407800.S02	PUSHBUTTON SWITCH
4	407800.L20	INDICATOR LIGHTS
AS REQ'D	407800.D10	DIN MOUNTING RAIL
AS REQ'D	407800.W21	NARROW SLOT WIRE DUCTS (NARROW SLOT)
1	407800.R01	ICE CUBE RELAYS
AS REQ'D	407800.T10	LOW CURRENT TERMINAL BLOCKS
AS REQ'D	407800.T60	GROUNDING TERMINAL BLOCKS
1	407800.T15	TERMINAL STRIP IDENTIFICATION BLOCK
1	407800.G06	GROUND BARS

SLUDGE BLEND TANK MIXING PUMP LCS COMPONENT NAMEPLATE		
CNP	INSCRIPTION	
1	LOCAL / OFF / REMOTE (3-POS)	
2	RUNNING INDICATOR LIGHT (RED)	
3	START PUSHBUTTON	
4	STOP PUSHBUTTON	
5	FAST STOP	
6	MOTOR FAIL INDICATOR LIGHT (AMBER)	

SLUDGE BLEND TANK MIXING PUMP LCS TITLE NAMEPLATE		
ENP	EQUIPMENT TAG	DESCRIPTION
1	PMP-600-01	SLUDGE BLEND TANK MIXING PUMP 1
2	PMP-600-02	SLUDGE BLEND TANK MIXING PUMP 2

3 LCS-600-01
NAMEPLATE & PARTS LIST
SCALE: NTS

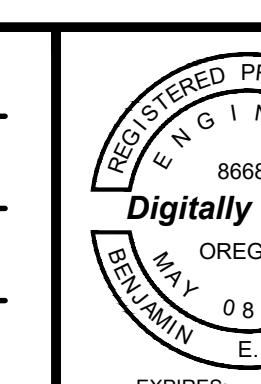


4 LCS-600-01 WIRING SCHEMATIC
SCALE: NTS

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LCS-600-01 ELEVATION DETAIL

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

SHEET
E-011

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Mahler Water Reclamation Facility (MWRF) Interim Improvements

ADDENDUM NO. 3

FOR

INTERIM IMPROVEMENTS PROJECT

To: All Prospective Bidders

The following clarifications, changes, additions and/or deletions are hereby made a part of the Contract Documents issued for the above referenced project as fully and completely as if the same were fully set forth therein.

This Addendum consists of 8 pages, including this cover page.

BIDDER QUESTIONS

Q1. Can you confirm removal of the existing concrete structure in the location of the screw press is not part of our scope. I didn't see it in the scope of the Design building tank project.

A. The SS vault removal and partial concrete demo that conflicts with the screw press footing are a part of this contract. Refer to Drawing C-020.

Q2. Can the FKC scope of supply and submittal be supplied to the contractor.

A. See the links below are to the bid documents for the dewatering procurement and sludge blend tank:

<https://www.sweethomeor.gov/publicworks/page/itb-mwrf-dewatering-equipment>

<https://www.sweethomeor.gov/publicworks/page/itb-mwrf-sludge-blend-tank-design-build>

Q3. Please confirm all conveyor supports & hardware will be owner furnished. Except what is shown on sheets S-012 & S-013.

A. Sheets S-012 & S-013 show which conveyor supports and hardware are either Contractor or Owner furnished. The anchor bolts shown as being supplied by skid manufacturer (FKC) will be sized by FKC and FKC will perform the sizing calculations, but the Contractor will be responsible for procuring them.

Q4. Please confirm screw press skid will come assembled. Screw press, floc tank, control panel, and polymer skid will be preinstalled on skid.

A. Screw press, floc tank, control panel, and polymer system will be pre-assembled on a skid provided by FKC.

Q5. Can you please confirm material type & finish of the contractor supplied steel conveyor supports. Per note on sheet S-010 it calls for carbon steel HDG but 05 10 00 lists carbon steel and stainless steel.

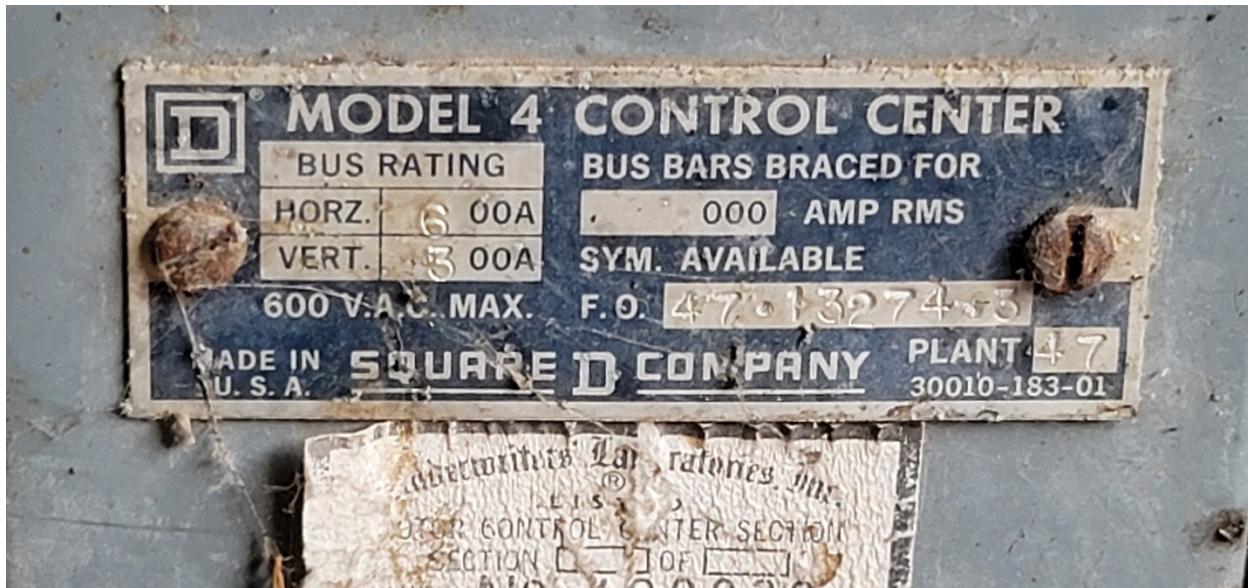
A. Carbon steel, hot-dip galvanized after fabrication.

Q6. The electricians are requesting if pictures of the existing MCC/buckets could be provided.

A. See photos:



1: Solids Building - MCC Overall



2: Solids Building - MCC Nameplate



3: Solids Building - MCC Air Compressor Bucket

Q7. Specs say 1200-Z permit is required, please confirm this is not the case.

- A. A 1200-C permit is not required as construction activities will disturb less than 1-acre. Contractor is required to provide erosion control.

Q8. Specs say polymer system is owner supplied, please confirm it's part of the FKC delivery.

- A. It is part of the FKC delivery.

Q9. Specs require glass lined pipe. This material has about 9-month lead time. Suggested epoxy lined pipe as alternate material.

A. Epoxy Lined pipe is acceptable. See changes to Specifications below.

Q10. 4" flow meter is indicated as owner supplied. This is uncommon; please confirm?

A. The 4" flow meter shall be Contractor supplied.

Q11. Specs say to install a minimum of 3 monitoring wells, please confirm this is not the case.

A. Monitoring wells are not required for this Project.

Changes to the Specifications

1. Section 40 05 10 Piping Systems

Replace 2.02.C.7 with:

7. Lining and Coatings

- a. Lining: Ceramic epoxy lined with Protecto 401 or equal.
- b. Coating: Exterior of exposed pipe shall be painted in accordance with Section 09 96 00.

Replace 2.02.D.7 with:

7. Lining and Coatings

- (1) Lining:
 - (a) Ceramic epoxy lined with Protecto 401 or equal for INF.
 - (b) Cement lined for W.
- (2) Polyethylene encapsulated per AWWA C105.

2. Section 43 23 58 Rotary Lobe Pumps

Remove 1.03.B: ~~Do not exceed nameplate rating of the motor when the pump is operating at the design operating speed for discharge pressures up to 100 psi.~~

Changes to the Drawings

Replace the following drawings with those attached to this Addendum:

M-011

I-600

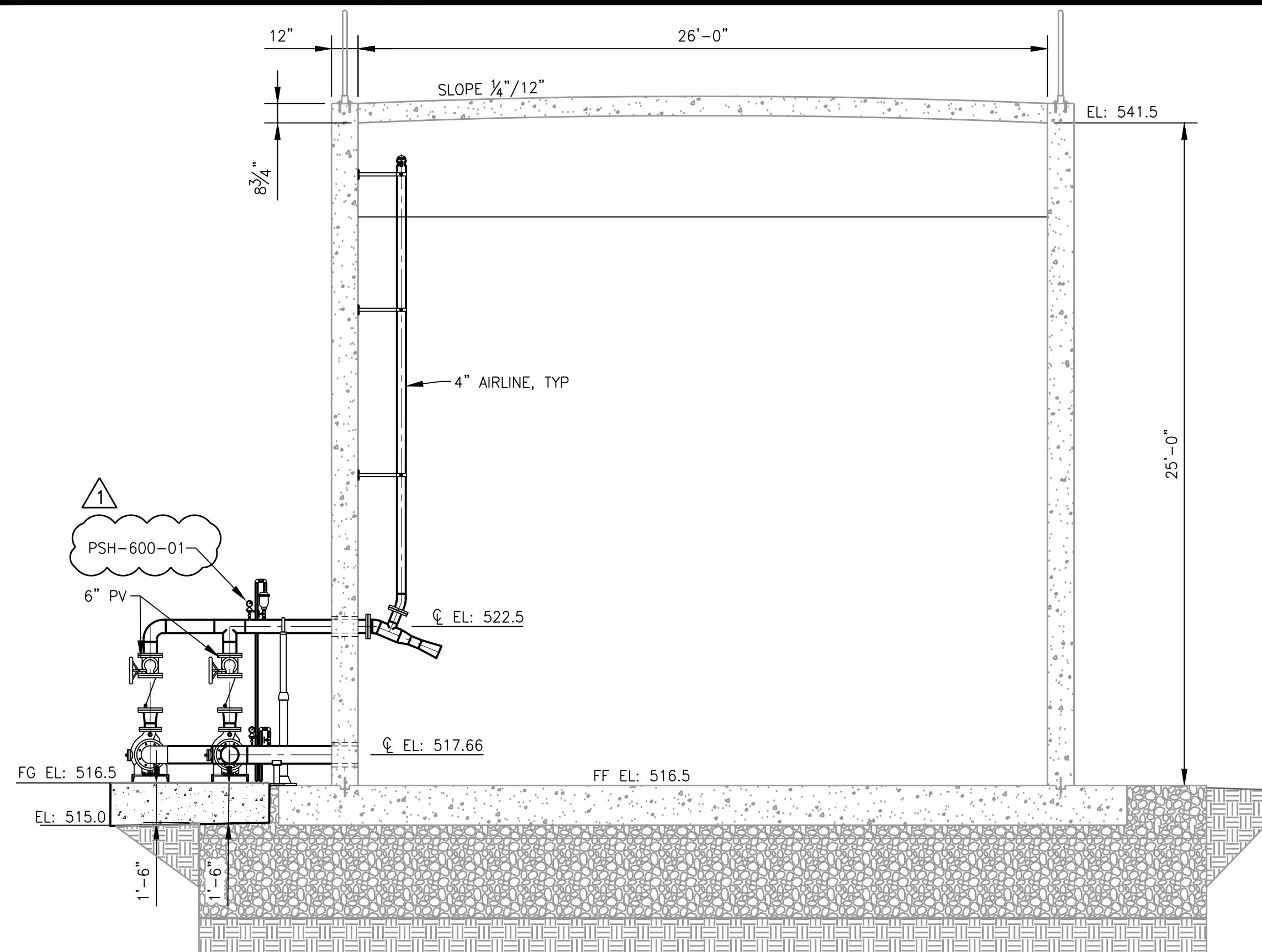
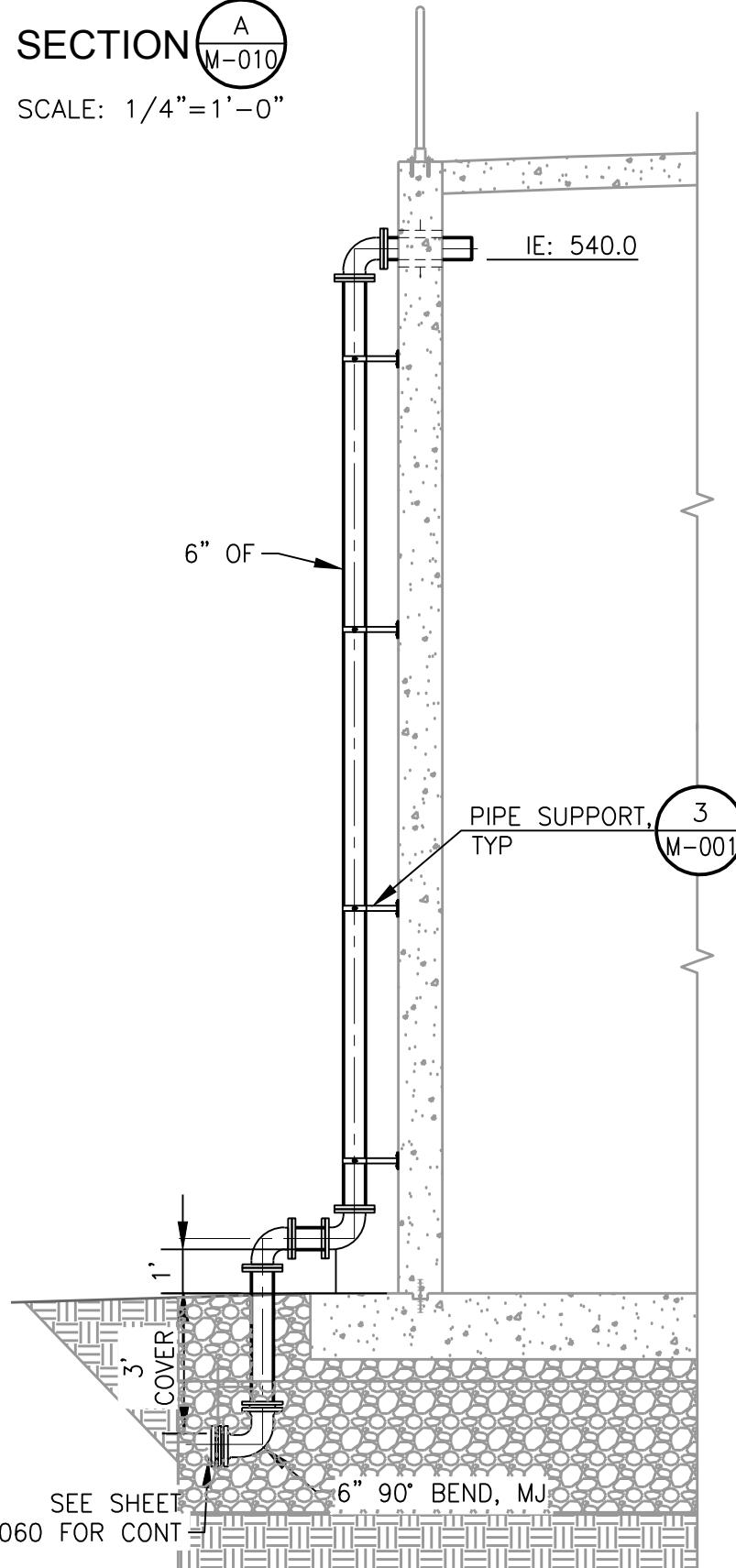
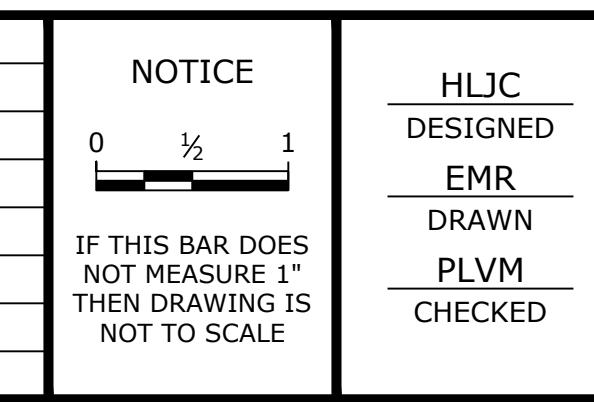
I-253

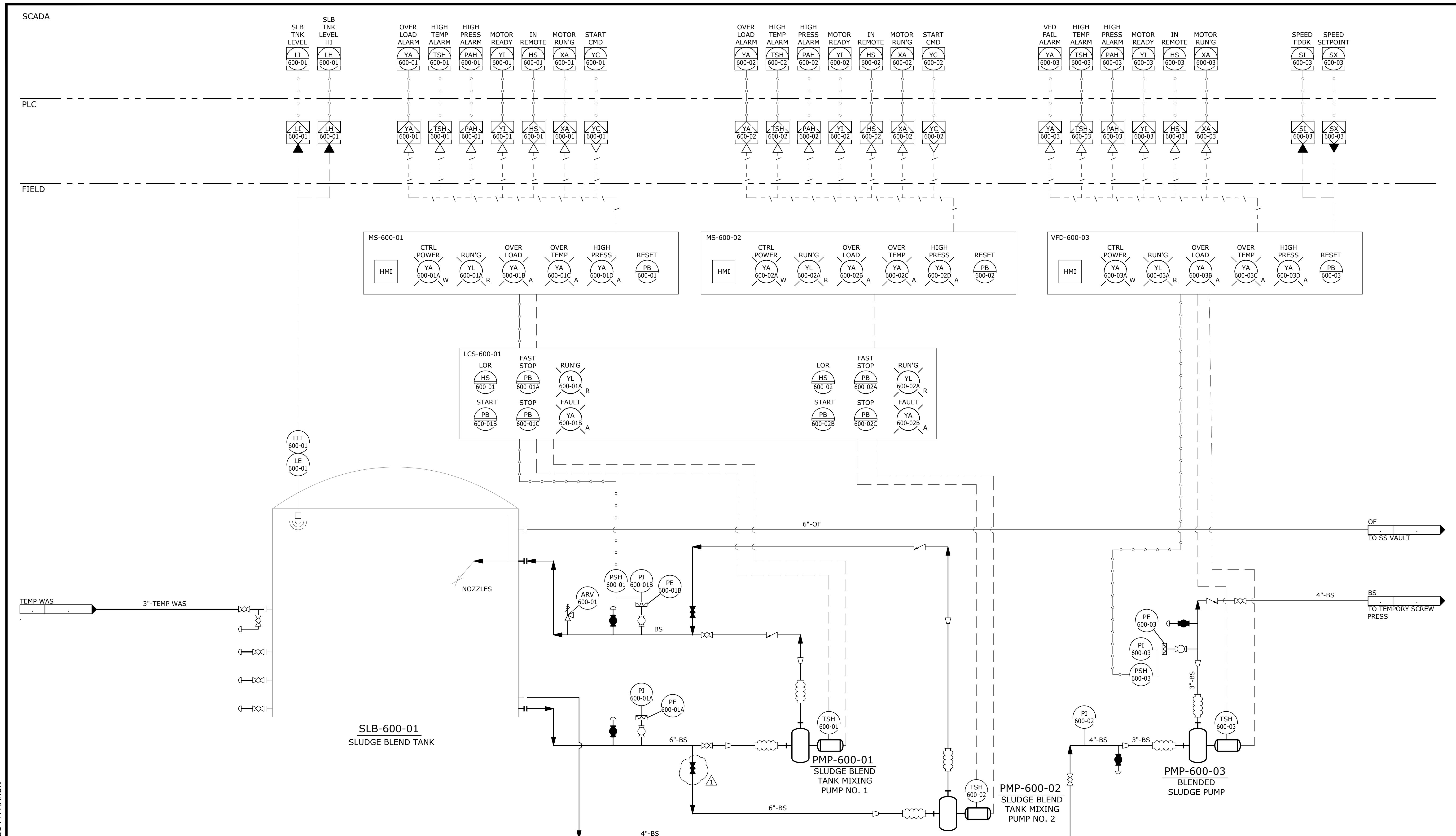
End of Addendum No. 3

Mr. Greg Springman, Public Works Director

February 28, 2023

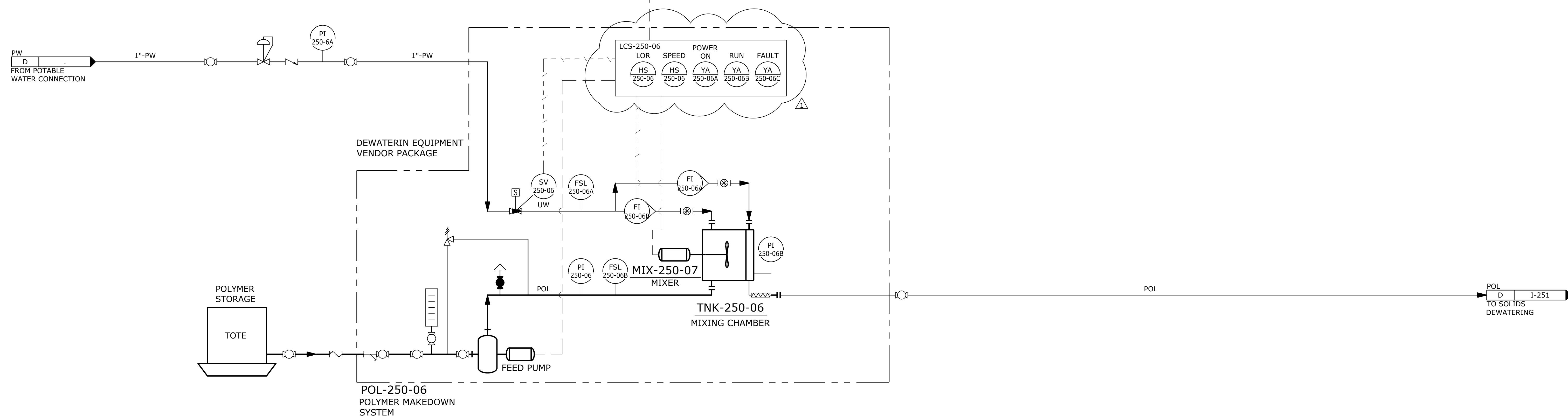
Date

SECTION A M-010
SCALE: 1/4"=1'-0"SECTION E M-010
SCALE: 1/4"=1'-0"



SCADA

PLC



I-253.dwg I-253 2/28/2023 1:51 PM AARON

02/2023	HB/MB ADDENDUM # 3
NOTICE	0 ½ 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	

WJS/MB DESIGNED AT DRAWN JMC/PLVM CHECKED
REGISTERED PROFESSIONAL ENGINEER 51615PE
OREGON Preston Van Meter

EXPIRES : 6/30/2024

WEST YOST
Water. Engineered.



MAHLER WATER
RECLAMATION FACILITY
INTERIM IMPROVEMENTS
PROJECT

POLYMER MAKEDOWN

PROJECT NO.: 936-50-21-09 | SCALE: AS SHOWN | DATE: FEBRUARY 2023

SHEET
I-253
40 of 42



REQUEST FOR COUNCIL ACTION

Title:	City of Sweet Home and Sweet Home School District Zone Map and Comprehensive Map Amendments
Preferred Agenda:	March 14, 2023
Submitted By:	Angela Clegg, Associate Planner
Reviewed By:	Blair Larsen, CEDD Director
Type of Action:	Resolution <input type="checkbox"/> Motion <input checked="" type="checkbox"/> Roll Call <input type="checkbox"/> Other <input type="checkbox"/>
Relevant Code/Policy:	SHMC 17.24 and 17.112
Towards Council Goal:	Goal 1.2. Increase community awareness of infrastructure needs and appropriate planning documents.
Attachments:	CMA23-01 Application ZMA23-02 Application

Purpose of this RCA:

The purpose of this RCA is to sign the Comprehensive Plan Map Amendment application CMA23-01 and the Zone Map Amendment application ZMA23-02 allowing staff to amend the Zone and Comprehensive Plan designations of City and School District properties to the Public Facility (PF) Zone.

Background/Context:

The subject properties are a mix of residential and commercial zones. The subject properties listed in the application do not have a Public Facility (PF) Comprehensive Plan designation. Both applications must be filed because a Comprehensive Plan Map Amendment must be done in order to complete a Zone Map Amendment. On October 27, 2022, the City of Sweet Home adopted the revised Sweet Home Municipal Code Title 17 that included Chapter 17.24 Public Facility (PF) Zone. Educational facilities and municipal service facilities are outright permitted uses in the PF zone. Currently, if the City or the School District are proposing any land use action or development they must file for a conditional use. A conditional use is a Type III Decision requiring Planning Commission approval.

The Challenge/Problem:

The City of Sweet Home and Sweet Home School District will be unable to complete a Zone Map Amendment without the approval of the Comprehensive Plan Map Amendment and both will need to continue to apply for a Conditional Use each time they propose development or land use changes

Stakeholders:

- Sweet Home School District – The Comprehensive Map Amendments will allow the Sweet Home School District to complete a Zone Map Amendment. The Public Facility (PF) zone allows for the use of the property to be outright permitted.
- City of Sweet Home – The Comprehensive Map Amendments will allow the City of Sweet Home to complete a Zone Map Amendment. The Public Facility (PF) zone allows for the use of the property to be outright permitted.

Issues and Financial Impacts:

This particular application involves only staff time and public notice requirements.

Elements of a Stable Solution:

A stable solution is one in which a decision on the application is made and signed.

Options:

1. Do Nothing – staff would withdraw the application.
2. Authorize the City Manager or Designee to sign the application CMA23-01 and ZMA23-02.

Recommendation:

Staff Recommends Option 2: Authorize the City Manager or Designee to sign the application CMA23-01 and ZMA23-02.



City of Sweet Home
Community and Economic Development Department- Planning Program
3225 Main Street, Sweet Home, OR 97386 541-367-8113

Land Use Application

- Adjustment
- Annexation
- Comprehensive Plan Map Amendment
- Conditional Use
- Home Occupation
- Interpretations
- Nonconforming Uses
- Partition
- Property Line Adjustment
- Site Development Review
- Subdivisions and Planned Developments
- Text Amendments
- Variance
- Zone Map Amendment

Applicant's Name:

City of Sweet Home

Applicant's Address:

3225 Main Street, Sweet Home, OR 97386

Property A

Owner's Name:

City of Sweet Home

Owner's Address:

3225 Main Street, Sweet Home, OR 97386

Owner's Phone Number:

541-367-8113

Owner's Email:

aclegg@sweethomeor.gov

Property Address:

various (all City property)

Assessor's Map and Tax Lot:

various - see attached

Property Size Before:

273.07 acres

Property Size After:

273.07 acres

Zoning Classification:

see attached

Comprehensive Plan:

see attached

Nature of Applicant's Request

Narrative describing the proposed land use action: Brief description on this form and attach extra sheets if needed.

The applicants would like to amend the Comprehensive Plan Map classifications for City of Sweet Home and Sweet Home School District Properties, within City Limits, to the Public Facilities (PF) Zone.

I certify that the statements contained on this application, along with the submitted materials, are in all respects true and are correct to the best of my knowledge and belief.

Applicant's Signature:

Property Owner's Signature:

Property Owner's Signature:

Property Owner's Signature:

Date Received: _____
Date Complete: _____
File Number: CMA 23-01
Application Fee: N/A
Receipt #: _____
Planning Commission Hearing Date: _____
City Council Hearing Date: _____

Within 30 days following the filing of this application, the Planning Department will make a determination of completeness regarding the application. If deemed complete, the application will be processed.

Applicant's Phone Number:

541-368-8113

Applicant's Email Address:

aclegg@sweethomeor.gov

Property B

Owner's Name:

Sweet Home School District 55

Owner's Address:

1920 Long Street, Sweet Home, OR 97386

Owner's Phone Number:

541-367-7122

Owner's Email:

kevin.strong@sweethome.k12.or.us

Property Address:

various (all School District properties)

Assessor's Map and Tax Lot:

various - see attached

Property Size Before:

6.25 Acres

Property Size After:

6.25 acres

Zoning Classification:

see attached

Comprehensive Plan:

see attached

Date:

2/28/2023

Date

2/28/2023

Date

Date

Sign & Date



City of Sweet Home
Community and Economic Development Department- Planning Program
3225 Main Street, Sweet Home, OR 97386 541-367-8113

Land Use Application

- Adjustment
- Annexation
- Comprehensive Plan Map Amendment
- Conditional Use
- Home Occupation
- Interpretations
- Nonconforming Uses
- Partition
- Property Line Adjustment
- Site Development Review
- Subdivisions and Planned Developments
- Text Amendments
- Variance
- Zone Map Amendment

Applicant's Name:

City of Sweet Home

Applicant's Address:

3225 Main Street, Sweet Home, OR 97386

Property A

Owner's Name:

City of Sweet Home

Owner's Address:

3225 Main Street, Sweet Home, OR 97386

Owner's Phone Number:

541-367-8113

Owner's Email:

aclegg@sweethomeor.gov

Property Address:

various (all City property)

Assessor's Map and Tax Lot:

various - see attached

Property Size Before:

69.38 acres

Property Size After:

69.38 acres

Zoning Classification:

see attached

Comprehensive Plan:

see attached

Nature of Applicant's Request

Narrative describing the proposed land use action: Brief description on this form and attach extra sheets if needed.

The applicants would like to amend the Zone Map classifications for City of Sweet Home and Sweet Home School District Properties, within City Limits, to the Public Facilities (PF) Zone.

I certify that the statements contained on this application, along with the submitted materials, are in all respects true and are correct to the best of my knowledge and belief.

Applicant's Signature:

Property Owner's Signature:

Property Owner's Signature:

Property Owner's Signature:

Date Received: _____
Date Complete: _____
File Number: ZMA 23-02
Application Fee: N/A
Receipt #: _____
Planning Commission Hearing Date: _____
City Council Hearing Date: _____

Within 30 days following the filing of this application, the Planning Department will make a determination of completeness regarding the application. If deemed complete, the application will be processed.

Applicant's Phone Number:

541-368-8113

Applicant's Email Address:

aclegg@sweethomeor.gov

Property B

Owner's Name:

Sweet Home School District 55

Owner's Address:

1920 Long Street, Sweet Home, OR 97386

Owner's Phone Number:

541-367-7122

Owner's Email:

kevin.strong@sweethome.k12.or.us

Property Address:

various (all School District properties)

Assessor's Map and Tax Lot:

various - see attached

Property Size Before:

73.06 Acres

Property Size After:

73.06 acres

Zoning Classification:

see attached

Comprehensive Plan:

see attached

Date:

2/28/2023


Date:

2/28/2023

Date:

Date:

Sign
Here





REQUEST FOR COUNCIL ACTION

Title: Request for Council Action – Ordinance No. 8 for 2023 – Establishing a Traffic Safety Committee

Preferred Agenda: February 28, 2023

Submitted By: City Attorney Robert Snyder

Reviewed By: City Manager Kelcey Young

Type of Action: Resolution Motion Roll Call Other

Relevant Code/Policy: MUTC – Manual on Uniform Traffic Control

Towards Council Goal: Improve community safety, Police, Community Design, etc.

Attachments: NA

Purpose of this RCA:

To reestablish a Traffic Safety Committee for the City of Sweet Home.

Background/Context:

The City of Sweet Home wishes to reestablish a Traffic Safety Committee. The committee would be an advisory board to the City Council and would make recommendations regarding parking and traffic safety.

The Challenge/Problem:

How to reestablish a Traffic Safety Committee

Stakeholders:

- Staff – staff will be able to route traffic and safety concerns and suggestions to the Public and Traffic Safety Committee for their review and recommendations.
- Council – The Public and Traffic Safety Committee will be an advisory board that can make recommendations to the City Council as well as review items Council requests of the committee.
- Citizens – Citizens can have input on public and traffic safety by either attending committee meetings or joining the committee as board members.

Issues and Financial Impacts:

None Known

Elements of a Stable Solution:

To establish a Public and Traffic Safety Committee to work closely with the state's Traffic Safety Committee and seek any assistance that would benefit Sweet Home. Also, the

Committee would review any request regarding public and traffic safety and make recommendations to the City Council.

Options:

1. Option #1 – Do Nothing. The Public and Traffic Safety Committee would not be established, and items of concern would be considered by the City Council and staff.
2. Option #2 – Direct staff to amend Ordinance Bill No. 8 for 2023 and bring back to Council for consideration.
3. Option #3 – Make a Motion to Move Ordinance Bill No. 8 for 2023 to first reading.

Recommendation:

1. Option #3 – Make a Motion to Move Ordinance Bill No. 8 for 2023 to first reading.

ORDINANCE BILL NO. 8 FOR 2023

ORDINANCE NO._____

SWEET HOME ORDINANCE ESTABLISHING THE PUBLIC AND TRAFFIC SAFETY COMMITTEE

WHEREAS, The Sweet Home City Council desires to establish the Public And Traffic Safety Committee;

Now therefore,

The City of Sweet Home does ordain as follows:

Section 1. SHMC 2.10.010 is amended by adding thereto subsection B. to read as follows:

B. Public And Traffic Safety Committee

Section 2. SHMC 2.10.050 is amended by adding thereto subsection B. to read as follows:

B. Public and Traffic Safety Committee. The duties and powers of the Public And Traffic Safety Committee shall be as follows:

1. To work closely with the state's Traffic Safety Committee and seek whatever assistance as would benefit the city. The Committee shall engage in a traffic safety program within the city to ensure public traffic safety awareness.

2. To review all requests to establish or alter traffic controls and parking controls and all traffic safety problems coming to the attention of the Committee. The Committee shall be empowered to make recommendations to the City Council for corrective action.

3. To review all public safety matters that are referred to it by the City Council.

PASSED by the Council and approved by the Mayor this _____ day of _____, 2023.

Mayor

ATTEST:

City Manager - Ex Officio City Recorder



REQUEST FOR COUNCIL ACTION

Title: Legislative Amendment LA22-02

Preferred Agenda: February 14, 2023

Submitted By: Angela Clegg, Associate Planner

Reviewed By: Blair Larsen, CEDD Director
Kelcey Young, City Manager

Type of Action: Resolution Motion Roll Call Other

Relevant Code/Policy: SHMC Chapter 17.75

Towards Council Goal: Aspiration II: Effective and Efficient government; Goal 2.1: Update and Streamline Processes; Goal 2.2: Develop continuity in planning and permitting processes.

Attachments: Draft Ordinance
LA22-02 Staff Report
Draft Planning Commission Minutes February 2, 2023

Purpose of this RCA:

The purpose of this RCA is to hold a public hearing regarding Legislative Amendment LA22-02 and present the application to the Council for approval. The purpose of this application is to adopt text amendment (LA 22-02) to the Zoning Ordinance, which will add Sweet Home Municipal Code (SHMC) Chapter 17.75 Mobile Food Units.

Background/Context:

This legislative amendment, LA 22-02, consists of a new Chapter to the Sweet Home Municipal Code (SHMC). The proposed amendment was identified by City Staff, based on feedback from the Planning Commission and an increase in requests to have Mobile Food Units throughout the City.

The following is a timeline of meetings associated with this project:

- December 22, 2022: Staff submitted the online PAPA.
- December 28, 2022: Notice Published in the New Era
- February 2, 2023: The Planning Commission held a public hearing on the proposed amendment. The Planning Commission moved to recommend approval of the amended Development Code to City Council.

At the February 14, 2023 Council Meeting, the City Council will hold a public hearing regarding this legislative amendment and conduct a first reading, and two more readings of the ordinance are necessary in order to adopt the ordinance.

The Challenge/Problem:

Should the City amend its Development Code in the manner recommended by the Planning Commission?

Stakeholders:

- City of Sweet Home Residents – The proposed text amendment benefit residents with a more clear and efficient code.
- Property Owners and Mobile Food Units Owners: Benefit from clear standards.
- Staff: Will be able to implement the SHMC with more efficiency and less discretion.

Issues and Financial Impacts:

This change will have no financial impact on the City.

Elements of a Stable Solution:

A stable solution involves adopting changes to the City's code that improve the quality of development for current and future mobile food unit owners, without overly burdening property owners and business owners in a way that is clear, consistent, and does not require significant staff interpretation. In addition, a stable solution would be consistent with the City's policies and goals.

Options:

1. Approve application LA22-02 and conduct a first reading of the ordinance.
2. Deny application LA22-02 and direct staff and the Planning Commission to make revisions (specify).
3. Continue the public hearing to a later date to allow more time for the Council to examine the proposed changes or to provide staff time to prepare amendments or additional information (specify).
4. Take no action; leave the code as is.
5. Other

Recommendation:

Staff recommends option 1: Approve application LA22-02 and conduct a first reading of the ordinance.



Legislative Amendment (LA) 22-02

This legislative amendment, LA 22-02, consists of the new Sweet Home Municipal Code Chapter 17.75 Mobile Food Units (MFU), and a revision to the following sections and subsections: 17.16.020; 17.18.020; 17.20.020; 17.25.020; 17.26.020(B). The proposed text amendments were identified by City Staff, based on frequent requests to install MFU's and the lack of code to support the installation.

FILE NUMBER: LA 22-02

REVIEW AND DECISION CRITERIA: Sweet Home Municipal Code Section(s): 17.75, 17.16.020, 17.18.020, 17.20.020, 17.25.020, 17.26.020, 17.116.

PLANNING COMMISSION HEARING DATE & TIME:

February 2, 2023 at 6:30 PM

LOCATION: City Hall Council Chambers 3225 Main Street, Sweet Home, Oregon 97386

CITY COUNCIL

HEARING DATE & TIME:

February 14, 2023 at 6:30 PM

LOCATION:

City Hall Council Chambers 3225 Main Street, Sweet Home, Oregon 97386

STAFF CONTACT:

Angela Clegg, Associate Planner

Phone: (541) 367-8113;

Email: aclegg@sweethomeor.gov

REPORT DATE:

January 26, 2023

Staff has drafted the proposed ordinance based on the increase of interest and lack of code for Mobile Food Units. Staff researched Lebanon and Albany Mobile Food Unit codes, and used their codes as examples to draft the Sweet Home Ordinance. Staff revised sections 17.16.020, 17.18.020, 17.20.020, 17.25.020, and 17.26.020 to outright permit Mobile Food Units in zones Mixed Use (MU), Commercial Central (C-1), Commercial Highway (C-2), Recreation Commercial (RC), and Mixed-Use Employment (MUE).

Location

The proposed ordinance does include changes to the following zones to permit MFU's outright: 17.16.020 Mixed Use (MU), 17.18.020 Commercial Central (C-1), 17.20.020 Commercial Highway (C-2), 17.25.020 Recreation Commercial (RC), 17.26.020 Mixed-Use Employment (MUE).

Types

While the proposed ordinance is directed at Mobile Food Units, the only changes that it makes to the current development code are Sections 17.16.020, 17.18.020, 17.20.020, 17.25.020, and 17.26.020.



CITY OF SWEET HOME PLANNING COMMISSION MINUTES **DRAFT**

February 02, 2023, 6:30 PM
Sweet Home City Hall, 3225 Main Street
Sweet Home, OR 97386

WIFI Passcode: guestwifi
PLEASE silence all cell phones – Anyone who wishes to speak, please sign in.

Meeting Information

The City of Sweet Home is streaming the meeting via the Microsoft Teams platform and asks the public to consider this option. There will be opportunity for public input via the live stream. To view the meeting live, online visit <http://live.sweethomeor.gov>. If you don't have access to the internet, you can call in to 971-203-2871, choose option #1 and enter the meeting ID to be logged in to the call. Meeting ID: 947 077 522#

Call to Order and Pledge of Allegiance

The meeting was called to order at 6:30 PM

Roll Call of Commissioners

PRESENT

Henry Wolthuis
Jeff Parker
Todd Branson
Eva Jurney
Jamie Melcher
Laura Wood

STAFF

Blair Larsen, Community and Economic Development Director
Angela Clegg, Associate Planner

Public Comment. This is an opportunity for members of the public to address the Planning Commission on topics that are not listed on the agenda.

None

Meeting Minutes:

- a) January 19, 2023 Meeting Minutes

A motion to approve the minutes as amended was made by Melcher, seconded by Wolthuis.
Voting Yea: 6
Voting Nay: 0

Public Hearings

Application LA22-02 - SHMC Chapter 17.75 Mobile Food Units

a) Application LA22-02 Staff Report & Draft Ordinance

The public hearing was opened at 6:34 PM.

Commissioner Parker asked of the Commission if there were any ex parte, conflicts of interest, or personal bias, there were none.

Associate Planner Clegg gave a history of the Mobile Food Unit code. She asked the Commission if they would like staff to read the entire draft ordinance or if they would like to just discuss the proposed code. CEDD Director Larsen explained the reasoning and gave examples of where the code would be used. Discussion of the code was decided on. Clegg explained the usage of the Lebanon and Albany codes as examples, and Larsen discussed differences. Clegg explained the current process for approving a mobile food unit. The Commission discussed the wheel criteria and chose to modify the standards. The Commission discussed the exemptions with staff. Commissioner Wood asked for clarification on the umbrella and tent criteria in Section 17.75.110(E). Larsen explained the intent of the code. Melcher asked if there is any Land Use review or noticing to neighbors. Clegg responded that there is not, but the MFU needs to be outrightly permitted in the proposed zone. Larsen discussed the ADA requirements that may govern the site play layout. There was further discussion about site layout criteria. There was discussion about criteria for MFU's serving alcohol. Clegg informed the Commission that alcohol booths would fall under the OLCC guidelines. Jurney proposed revisions to the definitions and asked for clarification of the right-of-way exemption. Larsen explained reasoning for the exemption. Wolthuis asked staff to explain what happens when an MFU closes for a temporary period. Staff explained the permitting and renewal process. There was discussion about how many days a food truck is allowed to operate before they obtain a permit. The Commission chose to amend 17.75.060(A) to read 3 instead of 2. The Commission asked to delete 17.75.110(A)(5) and revise 17.75.110(A)(3) to read wheels can be removed but must remain on site. Larsen discussed the steps for approval, and confirmed the changes suggested by the Commission.

Testimony in favor: none

Testimony in opposition: none

Neutral testimony: none

The public hearing was closed at 7:28 PM

A motion to approve Application LA22-02 as amended and recommend it to City Council was made by Melcher, seconded by Wood.

Voting Yea: 6

Voting Nay: 0

Sweet Home Municipal Code Carport Discussion

Clegg informed the Commission that she researched the carport criteria as requested by the Commission at the January 19, 2023 meeting. Clegg stated that the issue of carports and open storage brought up by Mr. Victor at the January 19th meeting are governed by different criteria. Clegg and Larsen discussed the findings with the Commission. The Commission discussed the matter. The Commission decided to leave the carport criteria as is. It was requested of staff to send a letter to Mr. Victor to inform him of the Commissions decision. The Commission discussed the open storage criteria and code enforcement process with staff.

Staff Updates:

Clegg gave an update on pending administrative applications.

Clegg gave and update on the code revisions and handed the Commissioners a revised Chapter 17.64 to replace in their code binders. The numbering format in 17.64 was incorrect on the printed sheets but is correct on the website.

Clegg asked the Commission if they would be willing to open the February 16th, 2023 Planning Commission meeting at 6:00 PM to allow for extra time for a work session. The Commission agreed to the time change.

Clegg and Larsen gave an update on the TSP committees and proposed meeting dates.

Larsen have an update on the Housing Needs Analysis and the possibility of a continuance of the Public Hearing at the February 16th Planning Commission meeting. Jurney and Parker stated that they will be absent for that meeting.

Staff discussed the open Planning Commission position. The applicant must live within the City Limits.

Round Table Discussions (Committee comments about topics not listed on the agenda)

None

Adjournment

The meeting was adjourned 8:23 PM.

Jeffrey Parker Chairperson
Sweet Home Planning Commission

Respectfully submitted by Angela Clegg, Associate Planner

**CITY OF SWEET HOME
ORDINANCE BILL NO. 7 FOR 2023
ORDINANCE NO. 1313**

AN ORDINANCE ADDING TO THE SWEET HOME DEVELOPMENT CODE SWEET HOME MUNICIPAL CODE CHAPTER 17.75 MOBILE FOOD UNITS AND AMENDING THE SWEET HOME MUNICIPAL CODE §17.16.020, §17.18.020, §17.20.020, §17.25.020, and §17.26.020: MOBILE FOOD UNIT OR MOBILE FOOD UNIT POD, SUBJECT TO CHAPTER 17.75.

WHEREAS, the City of Sweet Home seeks to ensure the safety of Mobile Food Units placed within the City; and

WHEREAS, the Planning Commission held a public hearing on February 2, 2023 for the proposed amendments to Sweet Home Municipal Code §117.75, §17.16.020, §17.18.020, §17.20.020, §17.25.020, §17.26.020; and

WHEREAS, the Planning Commission followed the text amendment procedures under Sweet Home Municipal Code Chapters 17.116.020 Application and 2.20.90 Powers and Duties, and has provided a report to the City Council along with its recommendation to consider the proposed text changes; and

WHEREAS, the City Council held a public hearing on these proposed text changes on February 14, 2023; and

NOW THEREFORE,

The City of Sweet Home does ordain as follows:

Section 1. Sweet Home Municipal Code (SHMC) Chapter 17.75 titled Mobile Food Units is created to read as follows;

17.75 MOBILE FOOD UNITS

17.75.010 DEFINITIONS.

For the purposes of the mobile food unit (MFU) code, the following definitions apply. Terms, phrases, words, abbreviations, and derivatives used, but not specifically defined in this section, shall have the meanings commonly accepted in the community.

Mobile food unit - any vehicle that is self-propelled or that can be pulled or pushed down a sidewalk, street, highway, or waterway on which food is prepared, processed, or converted or which is used in selling and dispensing food to the ultimate consumer.

Mobile food unit pod - a group of two or more mobile food units on the same legal parcel of land as shown through the county records.

Property - legal parcel of land on which the MFU is located.

Tent - a structure, enclosure, umbrella structure, or shelter, with or without sidewalls or drops, constructed of fabric or pliable material supported in any manner except by air or the contents it protects.

Umbrella structure - a structure, enclosure, or shelter with or without sidewalls or drops, constructed of fabric or pliable material supported by a central pole or poles

Waste - any byproduct of the activities associated with the MFU including, but not limited, to blackwater, greywater, fats, oils, and grease.

17.75.020 GENERAL PROVISIONS

- A. Purpose. The purpose of the mobile food units (MFU) code is to develop guidelines under which an MFU can establish business within the City of Sweet Home.
- B. Conformity to State and County Laws. The MFU code shall be construed in conformity with the laws, licenses, and regulations set forth by the State of Oregon and Linn County regarding MFUs.

17.75.030 MFU OR MFU POD PERMIT REQUIRED.

- A. Unless exempt or part of a permitted MFU pod, use of an MFU within the city limits of Sweet Home requires an MFU permit obtained from the City Manager or designee. An MFU permit shall not be required if exempt through SHMC 17.75.060.
- B. Operation of an MFU pod within the city limits of Sweet Home requires an MFU pod permit obtained from the City Manager or designee.

17.75.040 PROPERTY AUTHORIZATION REQUIRED.

A property shall not be used by an MFU without an approved MFU property authorization application or site plan approval for a mobile food unit pod.

17.75.050 MOBILE FOOD UNIT PODS.

- A. MFU pods are considered permanent installations and require site plan approval as identified in the Sweet Home Municipal Code prior to MFUs locating on the subject property.
- B. Depending on the amenities and structures involved in the MFU Pod, additional authorizations or approvals may be required. MFU pods shall only operate when the entire site is in compliance with all local, state, and federal regulations.
- C. Lighting. MFU Pods shall have lighting to ensure safe environment for customers and employees that complies with the following:
 1. At minimum, areas to be occupied by customers shall be illuminated when Units operate during hours of darkness.
 2. No direct light source shall be visible from the property line.
 3. Lighting fixtures shall be oriented and/or shielded to prevent glare on abutting properties.
- D. All MFU and customer amenities within a Pod shall be served by a minimum five (5) foot wide hard surfaced, ADA compliant, walkway.
- E. Waste and recycling receptacles shall be provided for customer and business waste. Receptacles shall be screened from view of the right-of-way and abutting residentially zoned properties and serviceable by the applicable waste hauler.
- F. Accessory storage structures shall be less than 120 square feet in size and no greater than 15 feet in height. Storage structures shall be set back a minimum of 20 feet from public right-of-way. Setbacks for the accessory structures in the side and rear yards shall meet the minimum standards for accessory structures within the zone which the Pod is operating.
- G. All MFU Pods shall have restrooms available. Required restroom shall be available during Pod operating hours. Restrooms must have handwashing

facilities with hot and cold running water, soap, and hand drying materials or devices. Restrooms must either be on-site or on an adjacent parcel with a signed agreement to allow Pod clientele to utilize the restroom facilities. On-site restroom shall be screened from view of the public right-of-way and abutting residentially zoned properties.

H. Parking shall comply with the standards listed in SHMC Chapter 17.44 Off-Street Parking and Loading.

17.75.060 EXEMPTIONS.

No part of this section is meant to be understood as removing the requirement of any state or county license. Nor is this section meant to be understood as removing the requirements of any other state, county, or city codes. MFUs shall maintain all valid state and county license(s) while in operation. Property owners and MFUs that do not require a permit shall still comply with all requirements of this chapter.

- A. An MFU may operate within the Sweet Home city limits for no more than 3 days within any 30-day period without first obtaining an MFU permit.
- B. MFUs which are closed to the public shall not be required to obtain an MFU permit.
- C. An MFU may operate within any special event (such as a farmer's market or public festival) that holds a valid special event permit through the City of Sweet Home without an MFU permit.
- D. Any event hosted by the City of Sweet Home is exempt from an MFU permit. The MFU shall complete any required application and obtain the proper approval directly from the specific City of Sweet Home department hosting the event.
- E. An MFU in the public right-of-way is exempt so long as the MFU follows City of Sweet Home parking regulations and does not block pedestrian or vehicle traffic.

17.75.070 PERMIT AND APPLICATION FEES.

Permit and application fees for activities governed by this chapter shall be set by council resolution.

17.75.080 MFU POD PERMIT APPLICATION.

- A. Application for MFU Pod permit will minimally contain:
 - 1. A scaled site plan of the property and proposed area the MFU will be located, to include at a minimum:
 - a. A completed MFU Pod permit application form;
 - b. A site plan including, but not limited to the following:
 - 1. Total square footage of area proposed for MFU use;
 - 2. Circulation plan of vehicle and pedestrian traffic onto, out of, and within the property;
 - 3. Location of MFU Pod amenities;
 - 4. Parking plan demonstrating compliance with all Sweet Home Municipal Code parking requirements once MFU is in place;
 - 5. Site layout demonstrating compliance with all setbacks, buffering, and separation requirements as specified in the Sweet Home Municipal Code (SHMC), Building Codes, and the Sweet Home Fire District (SHFD);

6. Utility connections for each unit (water, sewer, electrical, storm water, degreaser unit, etc.)
 - c. Details demonstrating compliance with the standards set forth in this chapter.
- B. Additional information shall be provided by the applicant as required by the city manager or their designee.
- C. Fees set through SHMC 17.75.070 shall be due when application is submitted and are nonrefundable.
- D. An MFU Pod permit shall not expire, so long as the applicant and site are in compliance with the approved application.
- E. If the applicant makes any changes to the requirements listed in SHMC 17.75.080(B) after an MFU Pod permit is approved, the permit shall be revoked and the applicant must apply for a new MFU Pod permit.

17.75.090 MFU PERMIT APPLICATION.

- A. Application for a permit will minimally contain:
 1. A completed MFU application form;
 2. Site Plan.
 3. Linn County Health Department License.
 4. A copy of MFU's restroom agreement as required by Linn County (if no restroom is provided on site);
 5. A copy of current proof of liability insurance;
 6. Signed Proof of Placement Permission.
 7. Method of waste disposal (liquid and solid). Disposal shall comply with SHMC Chapter 17.48 of the Sweet Home Municipal Code.
- B. Copies of all necessary permits and agreements held for the county in which the permittee plans to operate. Additional information shall be provided as required by the city manager or their designee.
- C. Fees set through SHMC 17.75.070 shall be due when application is submitted and are nonrefundable.
- D. The MFU is limited to 1 year at a given site and/or address with an unlimited number of 1-year extensions. Each extension shall require a new permit.

17.75.100 MFU STANDARDS – ZONING.

Unless the property is approved as an MFU pod through the Sweet Home Municipal Code, MFUs shall only locate on properties within Commercial and Mixed-Use zones that are not used primarily for residential purposes.

17.75.110 MFU STANDARDS – GENERAL.

- A. An MFU must not be a permanent structure and:
 1. Shall remain operable and able to move;
 2. Shall be properly licensed through the Oregon Department of Motor Vehicles;
 3. Wheels can be removed but must remain on site.
 4. Shall keep the tongue or other towing connection on site;
 5. Shall not have permanent skirting or a base constructed around it;
 6. Shall enclose or screen from view of the right-of-way and abutting residentially zoned property all accessory items not used by customers, including but not limited to, tanks, barrels, or other accessory items;

- 7. Shall not be missing siding or roofing;
- 8. Shall be kept in good repair and maintained in a safe and clean condition; and
- 9. Shall not exceed 15 feet in height.
- B. An MFU shall only operate on an approved property under SHMC 17.75.040 or 17.75.050.
- C. All MFUs, even those within MFU Pods, must maintain a 6-foot minimum clearance from any other MFU, structure or combustible item not integral to the MFU.
- D. MFU operators shall pick up any paper, cardboard, wood, or plastic containers, wrappers, or any litter that is deposited by any person and which was generated from the MFU business from the ground of the property on which they conduct business and from all adjacent public rights-of-way.
- E. An MFU may provide tent(s)/umbrella structure(s) for shelter to customers. The tent(s)/umbrella structure(s) shall have a minimum of seven feet of vertical clearance and be able to be closed or removed. All awnings must be flame resistant per Oregon Fire Code.
 - 1. An MFU may provide 1 additional tent no larger than 12 feet by 12 feet, and 1 outdoor portable heating unit; provided, that both items are removed and stored within the MFU or other structure outside of operating hours.
 - a. Shelter and heating unit must be maintained in working order with no defects that would hinder its intended use.
 - b. Tents may have a maximum of 50 percent of the structure enclosed with walls or sides. Membrane structures may be fully enclosed.
 - 2. Structures shall comply with all local and state agency regulations, including but not limited to Sweet Home Fire District, and Building regulations, and obtain all necessary permits and inspections prior to use of structure.
- F. Any additional lighting shall be integral to the MFU.
- G. Fences shall be constructed in compliance with SHMC Chapter 17.52.
- H. Each MFU shall comply with the Oregon Fire Code, as interpreted by the Sweet Home Fire District.
- I. An ADA accessible route shall interconnect the MFU, the restrooms, and any provided site elements such as seating, parking, or facilities.
- J. An MFU shall remain in compliance with all applicable city, county, and state regulations.

17.75.120 MFU STANDARDS – UTILITIES.

- A. A single MFU shall be fully contained or comply with the MFU Pod utility standards in Section B below. Electrical generators, if used, must comply with the following:
 - 1. Generators shall be placed at least 10 feet from other buildings, structures, and combustibles.
 - 2. Generator exhaust shall be directed away from the MFU, buildings, structures, and combustibles.

3. Generators shall be protected from contact by the public.
4. Generators shall not be operated within 300 feet of residential zoning, however inverter generators may be placed at 100 feet or greater from residential zoning, provided they are rated by the manufacturer to operate at 70 decibels or less.
5. Generators that are nonintegral to the MFU shall not be stored outside during nonoperating hours.

B. MFU Pod Utility standards:

1. Shall connect to the sanitary sewer consistent with applicable state plumbing codes and will include and approved grease interceptor for the disposal of fats, oils, and grease. Indirect discharge or leakage draining into the storm sewer system is prohibited.
2. Shall connect to a permanent water source in conformance with the applicable state plumbing codes.
3. Electrical connection may be made via a permitted connection approved by the local electrical utility and the Linn County Building Department.
 - a. Connection shall be made within 50 feet of an MFU.
 - b. Connection shall be accessible for operation, maintenance, and inspection.
 - c. Connection cables/cording shall be maintained in good condition.
 - d. Electrical connections shall be covered by a cable protection ramp which has been rated for light vehicle traffic or greater and which has an anti-slip surface.
4. Electrical connection may be made via a power generator provided the following standards are met:
 - a. Connection shall be made at a distance no more than 15 feet from the MFU while continuing to comply with all manufacturer guidelines.
 - b. Connection cables/cording shall be maintained in good condition that allows for safe operation of the power generator.
 - c. Electrical connections shall be covered by a cable protection ramp which has been rated for light vehicle traffic or greater and which has a non-slip surface.

C. All utilities shall be placed or otherwise screened, covered, or hidden from view of the right-of-way as to minimize visual impacts and prevent tripping hazards or other unsafe conditions.

17.75.130 MFU STANDARDS – SIGNAGE.

MFUs shall comply with SHMC Chapter 17.50.

17.75.140 FORMS AND CONDITIONS FOR MFU PERMIT AND MFU PROPERTY AUTHORIZATION

The permit and/or approval issued shall be in a form deemed suitable by the city manager or their designee.

A. MFU Permit. In addition to naming the MFU owner as permittee and other information deemed appropriate, the permit shall contain the following minimum conditions:

1. Each permit shall terminate 1 year after its issuance and may be renewed by submitting a new application and paying the required fee(s).
2. The issued MFU permit shall be personal to the permittee only and is not transferable in any manner. The permittee is responsible for compliance with all conditions of approval.
3. The permittee shall notify the city manager or their designee if they wish to modify an existing permit by submitting a new application under SHMC 17.75.030 along with the required fee(s).
4. The MFU permit shall be displayed in plain view of the public during operating hours.

17.75.150 MFU PERMIT RENEWAL.

MFU permits may be renewed an unlimited number of times.

17.75.160 PROHIBITIONS.

- A. No temporary structures or storage containers shall be placed or erected on the property without prior approval from the City of Sweet Home. Any allowed temporary structure shall be maintained in good working condition free of holes, cracks, and/or defects.
- B. Restrooms shall not be provided via chemical/portable toilet or privy.
- C. MFUs shall not be parked in required landscape areas.
- D. MFUs and amenities shall not be located in designated Clear Vision Areas.
- E. No drive-through or drive-up service shall be permitted.
- F. Direct or indirect operation of the MFU (i.e., customer line, table placement, sign placement, etc.) shall not be within, or block, the public right-of-way or access to the public right-of-way.
- G. MFUs, including all items associated with their operation (items including but not limited to, cords, hoses, pipes, cables, or similar materials), shall not obstruct any required pedestrian pathways, bike paths, driveways, or drive aisles and shall be located so as not to create a traffic or safety hazard.
- H. MFUs and/or objects associated with the Units shall not occupy fire lanes or other emergency vehicles access areas.
- I. No dumping of waste is permitted into the city's storm drain system, public streets, or directly/indirectly onto the ground or pavement as outlined in SHMC Chapter 13.08.060.

17.75.170 RIGHT OF ENTRY – COMPLIANCE INSPECTIONS.

The city manager or their designee may enter upon a property which has an MFU that has established business, for the purpose of inspection of both the private property and MFU for continued compliance with this chapter.

17.75.180 DENIAL, REVOCATION, OR SUSPENSION OF PERMIT.

- A. The city manager or their designee may deny, revoke, or suspend an MFU permit upon finding that any provision herein or condition of approval will be or has been violated.
- B. Upon denial, revocation, or suspension, the city manager or their designee shall give notice of such action to the applicant or permittee in writing stating

the action that has been taken and the reason. The action shall be effective immediately.

- C. Upon denial, revocation, or suspension of permit, the MFU shall either comply or depart within 2 days.

17.75.190 VIOLATIONS

A person who is in violation of the provisions of this chapter is subject to the provisions of SHMC 17.02.050.

Section 2. Sweet Home Municipal Code §17.16.020 subsection M shall be created and read as follows: "Mobile Food Unit or Mobile Food Unit Pod, Subject to SHMC Chapter 17.75".

Section 3. Sweet Home Municipal Code §17.18.020 subsection K shall be created and read as follows: "Mobile Food Unit or Mobile Food Unit Pod, Subject to SHMC Chapter 17.75".

Section 4. Sweet Home Municipal Code §17.20.020 subsection X shall be created and read as follows: "Mobile Food Unit or Mobile Food Unit Pod, Subject to SHMC Chapter 17.75".

Section 5. Sweet Home Municipal Code §17.25.020 subsection M shall be created and read as follows: "Mobile Food Unit or Mobile Food Unit Pod, Subject to SHMC Chapter 17.75".

Section 6. Sweet Home Municipal Code §17.26.020 subsection B.11 shall be created and read as follows: "Mobile Food Unit or Mobile Food Unit Pod, Subject to SHMC Chapter 17.75".

Section 7. SHMC Chapter 17.75 is hereby added to and made a part of the Sweet Home Development Code.

Passed by the Council and approved by the Mayor this ____ day of _____, 2023.

Mayor

ATTEST:

City Manager – Ex Officio City Recorder

Sweet Home Park & Tree Committee's

Arbor Day

Community Event

Saturday, April 15, 2023

Join us at Northside Park as we
celebrate Arbor Day and the Grand
Opening of the New Dog Park

Time-10:00 am-2:00 pm

Date-April 15, 2023

Where- Northside Park
1780 11th Avenue Sweet
Home OR



Events include a self-guided park tour, dog parkour, tree plantings & free seedling giveaway.

*Free seedlings while supplies last.



sweethomeor.gov



Subject: FW: PLD Chair Elect Election
Date: Thursday, March 9, 2023 at 4:41:38 PM Pacific Standard Time
From: Julie Fisher
To: Julie Fisher
Attachments: image002.png



Dear Public Library Division members,

It is with pleasure that we announce the results of the recent OLA Public Library Division Board election for the position of Vice Chair/Chair-elect, Megan Dazey. Megan is the director of the Sweet Home Public Library. This is a three year term and Megan's chair year will be 2023-2024.

Thank you, Megan, for your commitment to our organization!

Kindly,

Haley Lagasse (she/her)

Oregon Library Association
Public Library Division Chair, 2022-2023
pld@olaweb.org

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Text

Click to Add Your Association Logo



Contact Info:

Oregon Library Association

PO Box 3067 | La Grande OR 97850

541-962-5824

ola@olaweb.org

This email was sent to mdazey@sweethomeor.gov by pld@olaweb.org

Oregon Library Association • PO Box 3067, La Grande, Oregon 97850, United States

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City of Sweet Home
Sweet Home Public Library
1101 13th Avenue
Sweet Home, OR 97386
541-367-5007

Sweet Home Public Library

Statistics

January 2023	This month February 2023	Last month January 2023	Year to date 2023	Previous year 2022(total)
Patron Activity				
Door Count	2612	2657	5269	30342
Program participants (all ages)	88	126	214	589
Total programs(all ages)	13	8	21	41
Circulation and Renewals				
Checkouts & renewals	4602	4546	9148	52702
E-audio & E-book checkouts	551	525	1076	5692
Total items checked out	5153	5071	10224	58394
Public Computers				
Logins	195	208	403	2497
Resource Sharing Savings				
Cost savings	4634.25	4967.76	9602.01	35892.88
Items borrowed by consortium libraries	296	261	557	2949
Items borrowed from consortium libraries	335	306	641	2873
Volunteer Hours				
Hours worked by volunteers	39	40	79	528
New Library Patrons				
New patron cards issued	37	74	111	606

Events this month: Storytime and teen drop in programs were offered this month. We also had one session of our Community Reads discussion. Snow, or the threat of snow, hampered turnout for several days throughout the month. Take and Make kits and in library craft table continue to be very popular.

Building updates: The hole in the floor in the children's area has been filled in. the front steps and patio have been power washed. Paint and cement touchups will occur once the weather warms up and dries out.

Items of note: March 1st is the official start of our Design a New Library card contests for school age kids and one for all ages. We are also starting to recruit members for our new Walking Group co-sponsored with OHSU. Storytime and teen drop in programs continue!

MEMORANDUM

TO: City Council
 Kelcey Young, City Manager
 Interested Parties
FROM: Blair Larsen, Community and Economic Dev. Director
DATE: March 14, 2023
SUBJECT: Community and Economic Development Department Report for January 2023



The Community and Economic Development Department (CEDD) consists of the City's Building, Planning, Engineering, Economic Development, Code Enforcement, and Parks and Recreation programs. The following is a summary of activities and notes on current projects from February 1st to February 28th, 2023.

1. BUILDING

- Summary of Building Program Permits Issued.

Permit Category	February, 2023	January, 2023	2023 YTD	2022 Total	2018-2022 Annual Average
Residential 1 and 2 Family Dwellings	0	0	0	36	27.4
Residential Demolition	0	0	0	9	8.4
Residential Manufactured Dwellings	0	0	0	2	11.6
Residential Mechanical Permits	3	5	8	100	106
Residential Plumbing	2	3	5	30	29
Residential Site Development	0	0	0	1	0.6
Residential Structural	2	1	3	54	51.8
Commercial Alarm or Suppression Systems	0	0	0	1	3.2
Commercial Demolition	0	0	0	2	3.4
Commercial Mechanical	1	0	1	17	17
Commercial Plumbing	1	0	1	5	9.8
Commercial Site Development	0	0	0	5	2.8
Commercial Structural	0	1	1	33	38.4
Total Permits	9	10	19	295	309.4
Value Estimate of All Permits	\$101,281.00	\$157,819.00	\$259,100.00	\$30,928,533.31	\$20,430,248.58
Fees Collected	\$2,427.49	\$2,671.39	\$5,098.88	\$336,902.20	\$258,215.53

- Developments of note: For your reference, below are some developments of note that were previously reported. Changes are noted with **bold text**.
 - Mosaic Memory Care Facility: Located on Mountain Fir Street next to the existing Mosaic-owned Wiley Creek Assistance Living Facility. The project received full planning approval early this year. Much of the time since then has been spent waiting for completed plans from Mosaic. However, plans were finally completed and reviewed in August, and a building permit has been issued. Construction is underway.
 - Samaritan Urgent Care Facility: The project has received full planning approval, building plans have been approved, and construction is underway.
 - Duck Hollow Phase III Subdivision: 51-lot single-family home subdivision located adjacent to the existing Duck Hollow Subdivision (41st Avenue and Long Street). This subdivision received planning approval in 2020, however there was a long delay due to wetlands regulations administered by the Oregon Department of State Lands. State approval has been granted, and construction is expected soon.
 - Live Oak Subdivision: 8-lot single-family home subdivision located between the two existing portions of Live Oak Street. The subdivision was approved in 2021, however the property changed hands, which delayed development. **The new owner is planning on constructing 8 duplexes (16 housing units) on the lots.** The construction timeline is unknown, **but work is underway.**
 - Foothills Ridge Subdivision: 21-lot single-family home subdivision located at the west end of Foothills Drive. This subdivision was approved in 2021, however the owner has run into delays with his engineering firm, and recently applied for an extension. Construction is expected next year.
 - Santiam River Development Phase 1 : 42-lot single-family home subdivision located at the north end of Clark Mill Road. Planning approval was granted at the beginning of this year, however some of the property is being sold to a different developer. It is unknown when construction will begin.
 - Clear Water Subdivision: 18-lot single-family home subdivision located on the west side of 45th Avenue, just north of Kalmia Street. Planning approval was granted in June. Initial construction has begun.

2. PLANNING

- Summary of Final Decisions of Planning Division Applications:

Application Type	February, 2023	January, 2023	2023 YTD	2022 Total	2018-2022 Annual Average
Annexations	0	0	0	1	0.4
Code Amendments	0	0	0	1	0.8
Conditional Use	0	1	1	11	8.8
Partition	0	1	1	17	12
Planned Development/ Subdivision	0	0	0	3	1.8
Property Line Adjustments	0	0	0	21	13.4
Vacation	0	0	0	0	0
Variance	0	0	0	3	3.6
Zoning Map Amendment	0	0	0	1	2.2

- 3 Land Use Applications was submitted in February.
- 5 Land Use Applications are pending final approval.
- 4 Fence Permits were issued in February.
- 3 Temporary RV Permits was issued in February.
- The City received a grant from the State to update our Transportation System Plan and create an Area Plan for the undeveloped land on the north side of the City. Staff and the consultant have begun work on the project.
- The City has also received a State grant for a Housing Needs Analysis (HNA). The consultant has been selected and will begin work soon. The purpose is to ensure that the City has both sufficient residential lands, and the proper mix of types and densities. This project is nearly complete, and a draft report will come before the City Council in the next month or two.
- The Planning Commission last met on March 2nd. The next scheduled meeting is March 16th, 2023.

3. ECONOMIC DEVELOPMENT

- Based on feedback from the Council at the June 28th work session, Staff are developing a Request for Proposals (RFP) for the quarry property that will outline all of the City's goals for the property and seek interest from developers for a public-private-partnership with the City. After Staff have finished a draft of the RFP, we will bring it to the Council for review, suggested changes, and, ultimately, approval.
- The Administration, Property, and Finance Committee met with some local property owners in June to discuss vacant buildings. One of the property owners, La Mota, is seeking to collaborate with the City on a project for their buildings that will bring traffic to the area and provide space for entrepreneurs to start businesses. Staff met with them and other property owners and interested parties in August to discuss the project. La Mota is working on some

architectural designs. They previously indicated that they would bring some designs back to City Staff in late September but have not yet supplied any. Staff is continuing to work with them to move the project forward.

- Staff recently gathered a group of business and property owners to discuss efforts to improve Downtown Sweet Home. The initial meeting of this 'Downtown Focus Group' was productive, and the participants are excited with the ideas generated thus far.

4. CODE ENFORCEMENT

- Summary of Actions.

Case Status	February, 2023	January, 2023	2023 YTD	2022 Total	2018-2022 Annual Average
New Complaints	1	8	9	103	90.3
New Officer-Detected Violations	1	5	6	71	72.5
Violations Resolved	0	1	1	98	248.6
Complaints Noted with No Violation Found	1	4	5	23	22.8
Cases from Previous Month Resolved	8	16	24	N/A	N/A
Open Cases at End of Period	8	4	8	73	22.7
Citations	3	2	5	0	3
Abatements	0	0	0	3	1
Enforcement Type	February, 2023	January, 2023	2023 YTD	2022 Total	2018-2022 Annual Average
Animal	0	5	5	29	43
Blight	0	0	0	0	1
Illegal Burn	0	0	0	2	1.8
Illegal Dumping	0	0	0	1	0.6
Illegal Parking	0	0	0	6	9
Illegal Sign	0	0	0	0	2.2
Junk/Abandoned Vehicle	0	0	0	16	10.4
Minimum Housing	0	0	0	0	2.6
Occupying an RV	0	6	6	21	37.8
Open Storage	1	1	2	30	59.8
Other	1	1	2	7	18
Public Nuisance	0	0	0	6	40
Public Right-of-way	0	0	0	0	10.2
Tall Grass & Weeds	0	0	0	51	108.4
Vacant Lot	0	0	0	0	0.2

The City's Code Enforcement Officer responds to complaints submitted through the City's website, and actively patrols the City and works to resolve identified code violations.

5. PARKS

- The Park and Tree Committee will meet next on March 15th, 2023.
- Design work is now underway for Phase III of Sankey Park improvements, which focuses on the upper portion of the park.
- Design work is underway for a new park adjacent to City Hall. The Park will include a donated playground structure and dog park.
- A dog park is being constructed at Northside Park. The 6 lots that make up Northside Park have been consolidated into 1 lot, and fencing has been installed. The dog park is open to the public now, but additional improvements under construction, and a special 'grand opening' event is being planned for Arbor Day in the Spring.

6. OTHER PROJECTS

- Willow Street Neighborhood LID: Staff recently met with representatives of several state agencies at a "one stop" meeting and have a tentative plan for financing that will include a package of both forgivable loans and other loans with very attractive interest rates. Staff have submitted all the initial loan applications and are continuing to supply information to funding agencies to finalize the financing.
- The ODOT Foster Lake Sidewalk Project: Construction is nearly complete. Staff are working with the Railroad and ODOT on a plan to construct the portion that lies under the railroad trestle.
- Staff is working with ODOT on a pedestrian crossing at 22nd Avenue and Main Street. State Funding has been provided, and the project will be completed at little to no cost to the City. This improvement will be combined with an existing ODOT project to replace ADA ramps at intersections on Main Street. Construction on both the overall ramp replacement project and the pedestrian crossing is underway. The concrete has been completed for the crossing. The flashing beacons were installed in late September but were hit by a car and now need to be replaced. The costs of that replacement will not be borne by the City. The Council has approved an amendment to the IGA with ODOT to cover the pedestrian crossing. The crossing is not yet operational but is expected to be fully complete by Spring.
- Engineering work has begun on the 2nd Avenue/Holley Road pedestrian crossing, which is funded by a Safe Routes to School Grant. After engineering designs are complete, Staff will issue a Request for Proposals for the work.

MEMORANDUM



TO: Kelcey Young, City Manager
FROM: Greg Springman, Public Works Director
DATE: March 14, 2023
SUBJECT: Public Works Activities Report – February 2023

This memorandum provides a brief periodic update of specific projects, WTP/WWTP O&M and Compliance status, and activities performed by the Public Works Department.

This table section summarizes work done on key maintenance activities.

Work Type	February, 2023	January, 2023	2023 YTD	2022	3 Yr Avg
Bathrooms/Garbage	10	11	21	168	360
Catch Basin Inspection/cleaning	0	0	0	3	13
Leaf Collection	0	1	1	1454	1105
Hydrant Flushing	0	0	0	200	276
Locates	36	38	74	498	479
Meter Re-Read	59	40	99	613	705
Mowing	0	0	0	117	95
Playground EQ Inspection	0	4	4	68	72
Pothole Repair	1	172	173	416	513
Sewer CCTV Miles	0.84	1.45	2.28	0.40	0.71
Street Sweeping Miles	66	112	178	1180	2072
Water Main Repair	3	0	3	11	12
Water Service Repair	1	2	3	38	30
Water Turn Ons/Offs	53	52	105	568	762
Total Completed Work Orders	476	686	1162	6790	7137

WWTP and WTP Key Performance Indicators (KPIs)

	February, 2023	January, 2023	2023 YTD	2022	5 Yr Avg
Potable					
MG Treated	25.27	29.14	54.42	346.58	389.07
Backwash Water in MG	1.12	0.87	1.99	15.66	19.99
Ave daily demand in MG	0.90	0.94	0.92	0.95	1.07
Sanitary					
MG Treated	52.49	68.52	121.01	677.61	587.83
Max Daily Flow in MG	2.89	3.38	3.38	6.01	6.01
Average Flow in MG	1.88	2.26	2.07	1.86	1.61

MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 0 exceedances for the month of January 2023.

Current & Upcoming Projects

Small Diameter Water Main Replacement

Scope: Engineer of Record and Staff has identified aged water mains throughout the 54 miles of water distribution system. Staff and West Yost will take a phase approach to replace the 5 miles of small diameter water mains.

Status: Project RFP bids from Contractors have been submitted. Staff awarded Project in September 2022. Construction to begin March, 2023.

Pleasant Valley Bridge Water Main Repair

Scope: Pac Excavation to repair a broken 12" water main, replace 22 pipe hangers, and provide additional supports inside Pleasant Valley Bridge.

Status: Pac Excavation repaired the water main in August, 2022. Project completed

Water Master Plan – West Yost

Scope: Develop Water Master Plan to support development.

Status: Water Master Plan is scheduled for completion in March 2023. West Yost working on final draft of the Water Master Plan.

Stormwater Master Plan – West Yost

Scope: Develop Stormwater Master Plan to support development

Status: Stormwater Master Plan is scheduled for completion in June 2023. Staff will provide updates as necessary.

Backwash Pump Evaluation – West Yost

Scope: Install backwash pump, utilizing the clearwell for filter backwashes and the corresponding effects on the distribution system and treatment.

Status: Project awarded to Pacific Excavation. Backwash pump has been back ordered, projected arrival date was changed from November 2022, until May 2023 due to back ordering from vendor. Project on schedule, other than the arrival of the backwash pump.

Finished Water Pump VFD Evaluation – West Yost

Scope: Evaluate feasibility to add a Variable Frequency Drive (VFD) to the current finish water pumps to maintain a constant level in clearwell to help facilitate backwash pumping.

Status: Project awarded to Pacific Excavation, with VFD installation coordinated with The Automation Group (TAG). Projected pump arrival date was changed from November 2022, until May 2023 due to back ordering from vendor.

Fluoride at WTP

Scope: Fluoride system at WTP has failed/End of life budgeted for replacement this FY23.

Status: Replacement parts have been received by TAG and will be programmed prior to installation.

Water Meter Modernization

Scope: Replace water meters through the entire water distribution system.

Status: Public Works staff purchased 3000 Kamstrup Smart Ultrasonic water meters. Public Works staff has installed 2600 meters to date, project is 85% complete.

Wastewater Filter Belt Press

Scope: Filter Belt Press was installed in approx. 1974 and is an operational and financial challenge to keep operating, looking to prepurchase new dewatering equipment for the wastewater treatment plant as part of the upgrade project.

Status: PW staff currently working with Engineer of Record to confirm sizing of dewatering equipment.

MEMORANDUM



TO: CITY COUNCIL
FROM: Greg Springman, Steven Haney and Trish Rice
Public Works
DATE: March 7, 2023
SUBJECT: Mahler WRF Project Update

Public Works staff and our engineering consultant West Yost would like to keep City Council updated on the Mahler WRF Upgrades Project. This update will be provided on a monthly basis and contains the following sections:

- Section 1. Project Overview and Current Status
- Section 2. Project Schedule Update & City Council Engagement
- Section 3. Project Budget Status Update
- Section 4. Updates on Key Issues

1. PROJECT OVERVIEW AND CURRENT STATUS

MWRF Interim Improvements Project (MWRF IIP)

The MWRF IIP includes 4 discrete projects that are all being completed on a parallel track to assure the City's \$7 Million in grant funding from the Oregon Legislature is fully expended by June 30, 2023. The status of each of these projects is summarized below.

Sludge Blend Tank

This week Baker Silo began work on the new sludge blend tank. Initial work involves mobilizing equipment to the project site and beginning demolition of the lime silo and biofilter in the lower portion of the treatment plant site. One interesting construction approach to be used on the project is that equipment is being mobilized to the project site using the railroad tracks!

Electrical Equipment Procurement by City Integrator of Record

The Automation Group is procuring long-lead electrical equipment for the MWRF project, including a new standby diesel engine generator set and the main electrical switchgear that will serve the entire facility. Staff, TAG and West Yost's engineering team are working through final submittals and the equipment will soon be ordered.

Owner-Supplied Solids Dewatering Equipment

Contracts with FKC for the new solids dewatering screw press and appurtenant equipment have been finalized. Staff and West Yost's engineering team are working through submittals and detailed system on a fast-track process. The process is being expedited by pre-submittal meetings where the team discusses FKC's proposed components and decisions are made in advance of the formal submittal.

MWRF IIP Site Improvements

Bids were received and opened for the IIP Site Improvements Project on March 2nd. Two bids were received. The low bidder was Boede Construction. If the project is awarded by City Council, this project will involve completion of site work, piping and other improvements to complete all other IIP improvements.

MWRF Improvements Project

West Yost's team is currently completing 90% Final Design of the MWRF Improvements Project with an estimated cost of \$56,813,000. Staff are working diligently in securing additional funding for the project.

2. PROJECT SCHEDULE UPDATE & CITY COUNCIL ENGAGEMENT

Below is the current project schedule for the MWRF IIP and larger MWRF Improvements Project.

	2022			2023				2024	2025	2026
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1 – Q4	Q1 – Q4	Q1 – Q4
MWRF Interim Impr. Project (IIP)										
MWRF Impr. Project										
Planning & Design			Bidding & Contracts				Construction			

Following are current Requests for Council Actions (RCA):

Upcoming Requests for Council Action (RCA) are summarized in this section to give City Council advance notice of anticipated City Council engagement related to the MWRF Improvements Project.

March 14 City Council Meeting Requests for Council Action:

RCA for award of the MWRF IIP Site Interim Improvements to Boede Construction, who is the qualified Bidder submitting the lowest bid on the project.

Future City Council Requests for Council Action:

Future City Council engagement and Requests for Council Action are anticipated as follows:

- 3rd Party Special Inspections and Testing Services Contract Award – RCA timing TBD
- Electronic Construction Document Control System Contract Award – RCA timing TBD
- MWRF Improvements Project Bid Award – RCA timing TBD

3. PROJECT BUDGET STATUS UPDATE

The following budget status updates provide a high-level review of contract amounts and expenditures for engineering services, Owner-supplied electrical equipment, Construction, 3rd Party Special Inspections and Testing, and the Electronic Construction Document Control System.

a. Construction

Construction has begun on the MWRF IIP, including construction of the sludge blend tank, procurement of the FKC screw press and completion of the MWRF IIP Site Improvements. No payment estimates have been submitted or paid as of the date of this monthly project update.

b. Owner-Supplied Electrical Equipment

Contracts for Owner-Supplied Electrical Equipment by The City's Integrator-of-Record are being finalized so ordering can begin.

c. 3rd Party Special Inspections and Testing Services

Budget status updates for 3rd Party Special Inspections and testing will be provided once construction activities begin.

d. Electronic Construction Document Control System (ECDCS)

Budget status updates for ECDCS will be provided once construction activities begin.

e. Engineering Services

Staff completed and provided comments to West Yost on the MWRF Improvements Project 60% Design. West Yost is now working on 90% final design of the project, with completion of final design set for June 30, 2023.

Firm	Dates	Purpose	Contract Amount	% Complete
Murraysmith ⁽¹⁾	2018 – 2021	Preliminary and Final Design	\$2,134,373	100%
West Yost	Jul 2021	Final Design Review	\$66,224	100%
West Yost ⁽²⁾	Aug 2021 – present	Project Planning, Permitting, Preliminary and Final Design	\$4,989,208	67%
West Yost ⁽³⁾	Feb. 2023 thru Oct. 2026	Engineering Services During Construction (ESDC)	\$879,670	0%

(1) Contract Amount listed is actual amount paid to Murraysmith by City.

(2) West Yost is currently contracted to complete final design of the MWRF Improvements Project.

(3) A portion of West Yost's original contract for Engineering Services During Construction (ESDC) MWRF Phase 1 Improvements Project that was cancelled are being utilized for ESDC on the MWRF IIP. Remaining funds in this contract will be utilized for bidding and construction services on the MWRF Improvements Project.

4. UPDATES ON KEY ISSUES

- **Preliminary Engineering Report (PER) Update.** West Yost is finalizing updated alternative cost estimates and the updated Preliminary Engineering Report (PER) required for obtaining USDA funding for the project. Once complete, the PER will be submitted to USDA and Oregon DEQ for review and approval. This PER update will incorporate the recently updated MWRF Improvements Project construction cost estimate (Engineers OPCC).
- **Outfall Permitting and “Crosscutters”.** West Yost has completed preliminary design of the new South Santiam River outfall and is working on initial mixing zone modeling with Mixzon. Once the mixing zone characteristics are identified, these results will be utilized for the completion of the Environmental Assessment (EA) and Biological Assessment (BA) by Pacific Habitat Services.
- **MWRF Improvements Project Funding.** Staff are now meeting on a monthly basis with representatives from USDA, DEQ and Business Oregon to discuss project funding. The DEQ Regional Solutions Team (RST) is also engaged on the project and in these meetings.
- **Expenditure of Oregon Legislature Funding.** The MWRF IIP is currently anticipated to be on target for spending the \$7 Million in grant funding obtained by the City from the Oregon Legislature by June 30, 2023.

Cc: Dept. Heads