



REQUEST FOR PROPOSALS

TO PROVIDE

CONSTRUCTION MANAGEMENT SERVICES

FOR THE CONSTRUCTION OF THE

DCMWTP STAGE 4 UPGRADES (CENTRIFUGE) PROJECT AND  
4SWRF HEADWORKS SCREENING SYSTEM, OFF-SPEC AND WET WEATHER  
DIVERSION, AND STRAINER IMPROVEMENTS (HEADWORKS) PROJECT

PROPOSALS DUE:

October 24, 2023, 2:00 P.M.

OLIVENHAIN MUNICIPAL WATER DISTRICT

A handwritten signature in black ink, appearing to read "LARS", is written over a horizontal line.

09.21.2023

Lindsey Stephenson, PE  
Engineering Manager

## TABLE OF CONTENTS

### SECTION

1.0	INTRODUCTION
2.0	OLIVENHAIN MUNICIPAL WATER DISTRICT (OMWD)
3.0	BACKGROUND
4.0	OMWD PROJECT MANAGEMENT
5.0	SCOPE OF SERVICES
6.0	PROPOSED MODIFICATIONS TO THE SCOPE OF SERVICES
7.0	OMWD FURNISHED SERVICES TO SELECTED CM
8.0	SPECIAL CONSIDERATIONS
9.0	PROPOSAL REQUIREMENTS
10.0	SUBMITTAL REQUIREMENTS
11.0	PRE-SUBMITTAL ACTIVITIES
12.0	CONSULTANT NOMINATION AND SELECTION PROCESS
13.0	EVALUATION CRITERIA
14.0	SCHEDULE FOR NOMINATION, SELECTION, AND AWARD
15.0	SPECIAL CONDITIONS

REQUEST FOR PROPOSALS  
TO PROVIDE  
CONSTRUCTION MANAGEMENT SUPPORT SERVICES  
DURING CONSTRUCTION OF THE

DCMWTP STAGE 4 UPGRADES (CENTRIFUGE) PROJECT AND  
4SWRF HEADWORKS SCREENING SYSTEM OFF-SPEC AND WET WEATHER DIVERSION, AND  
STRAINER IMPROVEMENTS (HEADWORKS) PROJECT

## 1.0 INTRODUCTION

The Olivenhain Municipal Water District (District) is requesting proposals from firms with qualified staff and experience in construction management (CM) and inspection services for potable water treatment process and wastewater treatment process improvements, for the **David C. McCollom Water Treatment Plant (DCMWTP) Stage 4 Upgrades (Centrifuge) Project** and **4S Ranch Water Reclamation Facility (WRF) Headworks Screening System, Off-Spec and Wet Weather Diversion, and Strainer Improvements (Headworks) Projects**. It is important to the District that firms have an established local office and experience as a CM with the maintenance of operations at existing water and wastewater treatment plants. It is the District's intent to select the CM team ahead of the construction awards, and then to award CM efforts for both projects to one firm through this RFP, as separate agreements. However, the District reserves the right to award only one project or award the individual projects to separate firms. Each project is summarized below.

### 1.1 DCMWTP Stage 4 Upgrades (Centrifuge) Project

A study of the DCMWTP identified an additional centrifuge in Stage 4 of the treatment process as critical for WTP reliability, as well as ancillary equipment to support the second centrifuge. The Centrifuge Project includes:

1. Demolition of a segment of existing platform guardrail and centrifuge-related processes.
2. Installing an additional centrifuge and related processes.
3. Installing electrical, controls, and instrumentation equipment.
4. Installing centrifuge and centrate feed pumps and related equipment.
5. Installing a centrate tank and related equipment.
6. Installing polymer dosing equipment.
7. Installing new structural components and modifications of existing components.
8. Startup, testing, and commissioning.

The DCMWTP must be kept in continuous service during construction with the exception of an anticipated 60 consecutive day window. Any temporary process shutdowns must be approved by OMWD 10 calendar days in advance, while temporary shutdowns longer than 24 hours must be approved 15 calendar days in advance.

The Centrifuge Project is currently at the 100% design milestone. Refer to **Appendix B** for key design sheets. The complete 100% design documents can be made available to serious bidders upon request at a technical meeting. The District standard specifications are available on the District website. Construction cost is estimated at \$2.5 million.

An approximate schedule of the major milestones includes:

Advertise Construction Contract	September 2023
Open Bids	October 2023
Award Project	November 2023
Begin Construction	February 2023
Construction Duration	15 months

#### 1.2 4S Ranch WRF Headworks Screening System, Off-Spec and Wet Weather Diversion, and Strainer Improvements (Headworks) Project

The Headworks Project was first identified in the 2015 OMWD 4SWRF Capital Improvement Plan. Subsequent investigations and regulatory feedback have refined the scope. The Headworks Project includes:

1. Bypassing the Plant influent.
2. Maintenance of plant operations considerations for non-potable and other systems. .
3. Demolition of headworks facilities.
4. Repair of headworks concrete channels and their coatings.
5. Installation of screenings handling equipment.
6. Installation of grit handling equipment.
7. Installation of off-specification improvements:
  - a. Proactive potable water dilution line
  - b. Reactive off-specification diversion line to existing storage
8. Replacement of existing strainer with automatic strainer
9. Additional improvements:
  - a. Wall and access modifications to the dumpster room.
  - b. Odor control ducting upgrades and modifications.
  - c. New control panels equipment pad and shade structure outside, adjacent to the headworks building.
10. Startup, testing, and commissioning.



The 4S Ranch WRF must be kept in continuous service during construction. Any temporary process shutdowns must be closely coordinated and approved with OMWD Ops.. The CM must understand the scope of the bypassing required, and that the bypassing of the influent will be for a substantial part of the project.

The Headworks Project is currently at the 90% design milestone. Refer to **Appendix C** for key design sheets. The complete 90% design documents can be made available to serious bidders upon request at a technical meeting. The District standard specifications are available on the District website. Construction cost is estimated at \$4.2 million.

An approximate schedule of the major milestones includes:

Advertise Construction Contract	Summer 2024
Open Bids	Summer 2024
Project Award	Summer/Fall 2024
Begin Construction	Fall 2024
Construction Duration	16 months

## 2.0 OLIVENHAIN MUNICIPAL WATER DISTRICT

OMWD serves approximately 86,000 people through approximately 22,000 potable water connections, (28,000 meters) in a 48 square-mile area that includes portions of the unincorporated County of San Diego, and the Cities of Carlsbad, Encinitas, Solana Beach, and San Diego. OMWD's mission statement is to serve present and future customers in a service-oriented manner by:

Water – Providing safe, reliable, high-quality drinking water while exceeding all regulatory requirements in a cost-effective and environmentally responsive manner.

Recycled Water/ Wastewater – Providing recycled water and wastewater treatment in the most cost-effective and environmentally responsive method.

Parks – Safely operating the Elfin Forest Recreational Reserve and providing users with a unique recreational, educational, and environmental experience.

Emergency Management – Complying with policies and procedures that adhere to local, state, and federal guidelines for national security and disaster preparedness.

Sustainable Operations – Pursuing alternatives and/or renewable resources with the most sustainable, efficient, and cost-effective approach.

### 3.0 BACKGROUND

Construction for these projects was included in OMWD's Capital Improvement Program, within its FY 2024-25 budgets as shown below.

Project	FY 2024 Budget	FY 2025 Budget	Anticipated budget in FY 2026 and beyond
DCMWTP Stage 4 Upgrades (Centrifuge) Project (D120095)	\$3,007,000	--	--
4SWRF Headworks, Off-Spec and Wet Weather Diversion, and Strainer Improvements Project (D700025, D700023 & D700TBD)	\$290,500	\$ 2,956,000	\$600,000

### 4.0 OMWD PROJECT MANAGEMENT

The project will be managed by Lindsey Stephenson, Engineering Manager, or another member of the Engineering Department, with substantial involvement from Operations.

### 5.0 SCOPE OF SERVICES

Construction management services are necessary to provide documentation of the contractor's compliance with the contract documents during construction and to assist District staff during the administration of the contract. The Consultant (CM) shall provide construction management and inspection services for each of the two projects. The CM will ensure that the projects are constructed per the plans and specifications, constructed on time and budget, facilitate communication between the Contractor and third parties, prepare and maintain construction documentation.

The District wants to ensure that the appropriate level of oversight is being provided at the appropriate time for each project. The District does not anticipate full time onsite inspection services at each site for the full duration of each project and expects that the CM will plan work force based according to construction schedules.

This Request for Proposals (RFP) describes the minimum required scope of services, the consultant selection process, and the minimum information that is to be included in the

Proposal. Failure to submit information according to the requirements and procedures of this RFP may be a cause for disqualification. The duties of the CM shall include all efforts described in the Contract Documents and as are otherwise required for internal or document controls. In general, the services for each of the two projects are anticipated to include but are not limited to the following:

**Task 1: Coordination and Meeting Facilitation**

The CM shall provide coordination and meeting facilitation including but not limited to the following:

*Task 1.1 - Coordination:*

The CM shall act as the primary contact for the District and shall provide coordination between the District, Engineer/ Project Manager, Contractor, Specialty Inspectors, Utilities (e.g. SDG&E), and other jurisdictional agencies as appropriate. The CM shall meet with the District prior to the preconstruction meeting to thoroughly review the project plans and specifications.

*Task 1.2 - Meeting Facilitation:*

The CM shall work with the District staff to organize and conduct a preconstruction meeting, bi-weekly progress meetings during construction, and as-needed meetings for the project. The CM shall also conduct a preparatory meeting with the District ahead of the bi-weekly meetings to review logs, potential project issues, and address any outstanding District action items. For each meeting, the CM shall prepare an agenda for the meeting, document the meeting with minutes of the meeting, and distribute the meeting minutes to the project team within 5 working days. Meeting facilitation shall include, but not be limited to all elements listed in the respective Project Specification.

**Task 2: Contract Administration and Document Controls**

The CM shall provide contract administration and document controls including but not limited to the following:

*Task 2.1 - Contract Administration:*

Create a filing system for review and approval by the District. All documents shall be accessible to District staff at all times. Implement the procedures needed to fully document the project. All the key project documents, including but not limited to submittals, RFIs, Change Orders, Potential Change Orders, Clarifications, Field Memos, Daily Inspection Reports, correspondence, and other documentation generated during the project shall be available in the field. Original documents shall be filed with the District Project Manager as back-up.

**Task 2.2 - Monthly Progress Reports:**

Each month, the CM shall issue a project progress report. It shall summarize progress, schedule, issues and challenges, budget, any quality control issues and other relevant information as identified below:

- A summary of the weekly reports for the month
- A summary of the main accomplishments over the previous month
- Highlight any unresolved issues discussed during the biweekly meetings
- A summary of current construction activities
- Photographs of representative project activities
- A summary of progress payments, change orders, disputes, submittals, RFIs and Notices of Noncompliance
- Identification of key problems, action items and issues and include recommendation for solutions. See Task 3.5 also.
- Overall Contractor's conformance to the contract schedule and quality requirements
- Schedule updates

Monthly progress reports shall be illustrated with photos and begin with an executive summary. Copies of all monthly reports shall be distributed to team members.

**Task 2.3 - Document and Deliverable Tracking:**

The CM shall prepare a list of anticipated submittals, warranties, spare parts, and training for the Project to assist with tracking project requirements. The CM shall maintain electronic logs to document the status of anticipated submittals, warranties, spare parts, trainings, and RFIs. The CM/Inspector is responsible for verifying the Contractor is updating the Project Redlines at the weekly progress meeting. Additionally, the Project Redlines are to be current prior to release of monthly progress payments. The District will hold the CM/Inspector responsible for ensuring that the Project Redlines are up to date and accurate with the work that is installed. The District may withhold monthly progress payments Contractor until the Contractor's Redlines are current.

**Task 3: Construction Management**

The CM shall provide construction management to ensure fulfillment of this Scope within budget and schedule. The CM is expected to provide continuous Quality Assurance and Quality Control of inspection activities. The CM shall provide construction management services including but not limited to the following:

**Task 3.1 - Requests for Information (RFIs), Shop Drawings, and Submittal Review:**

The CM shall log and review all incoming RFIs and submittals and provide recommendations to the District. The District shall have final review and approval on all submittals. Technical submittals shall be routed to the District or Engineer, as required.

Administrative submittals, including but not limited to the construction schedule, schedule of values, permits, SWPPP, easement documents, shall be reviewed by the CM.

The CM will coordinate with District staff on the review of critical construction related submittals as required, including construction schedule, sequencing, construction staging, shut downs, pipeline testing & disinfection, earthwork, materials, and connections. As required, coordinate evaluation of "or-equal" or product substitution requests with the Design Engineer, the District, vendors, manufacturers, and others. Prepare evaluation and recommendation for "or-equal" or product substitution request as necessary. Hard copies are not necessary unless requested by the District or to facilitate discussion with the Contractor. Submittals shall be on District forms and all submittal responses shall be reviewed by the District prior to returning to the Contractor.

The CM shall compare the submittals against the submittal review log to ensure that all required submittals have been accounted for and logged. Initial RFI review shall be for completeness and compliance to contract administration procedures. The CM shall discuss both RFI and shop drawing submittals with the design engineer of record and District, providing relevant information as to field conditions and schedule priorities to assist in facilitating the technical review. The CM shall maintain a standing item on the weekly progress meeting agenda to review and discuss all outstanding RFIs and submittals. Data shall be maintained at a speed in which RFIs and submittals are responded to so outstanding items are not permitted to impact the progress of the project. All RFIs and shop drawing review responses shall be reviewed by the CM prior to returning them to the Contractor to ensure responses and comments comply with the construction contract.

*Task 3.2 - Baseline and Monthly Schedule Review:*

The CM shall meet with the Contractor prior to the initial baseline schedule submittal to discuss the contract requirements and review in general the Contractor's intended work plan. Once the baseline schedule submittal has been received, the CM shall review and analyze it for contract compliance, viability, and to confirm the project float has not been inappropriately impacted. Once the baseline schedule is approved, the CM shall review the monthly updates for changes to the accepted baseline schedule. Requests for time submitted by the Contractor shall also be reviewed for merit, and appropriate recommendations shall be made to the District. The monthly schedule update analysis shall be to determine effect and appropriateness of schedule revisions to the Critical Path in relation to base contract Work, delays caused by the General Contractor and Work added by change orders. The CM's findings shall be returned to the Contractor.

*Task 3.3 - Change Order Review and Documentation:*

The CM shall review all change order requests and associated documents for the validity, cost, and schedule impacts. Validity will be established on a case by case basis by comparison of the scope change request with the construction contract requirements and consultation with the District's Project Manager and the design engineer. The CM shall manage change orders to obtain a fair and reasonable price for legitimate extra work items including keeping a log, weekly updates, and providing timely responses. The CM

shall request and log change order (extra work) quotations as requested by the District or Contractor and shall coordinate the preparation of any revised specifications and/or sketches needed to define the scope of the extra work. The CM shall verify change order work performed on a time-and-materials basis daily. The CM shall track change order work activities using a CPM schedule to verify time extension impacts accompanying the change order. The CM shall prepare necessary cost estimates to compare and negotiate the Contractor's costs as required. The CM shall prepare a recommendation for acceptance or rejection of the terms of the change order to the District. If the change order is accepted, the CM shall prepare the document for signature. If there is disputed extra work, the CM shall work with the District and Contractor until the item has been satisfactorily resolved. If it is not resolved, the CM shall track the item as a potential claim. Each change order may contain several items. Hard copies are not necessary unless requested by the District or to facilitate discussion with the Contractor. Change orders shall be on District forms.

*Task 3.4 - Progress Payment Review:*

CM shall review Contractor's monthly progress payment requests for agreement with physical progress in the field and adjust the requests as necessary to include any special withholdings associated with non-compliant work. CM shall review the draft progress payments with the Contractor so any corrections can be made before formal submission. As part of the progress payment review process, the CM shall review the Contractor's as-builts, and required storm water pollution prevention plan records to ensure they are up to date and fully compliant with the contract and permit requirements. The CM shall confirm as part of the review process that the Contractor's Project Redlines (as-builts) and schedule are current prior to approval of the monthly progress payment.

*Task 3.5 - Claims Avoidance and Analysis:*

Throughout the project the CM shall actively work to identify and to resolve disputes fairly, to keep work moving on schedule, and ultimately to achieve superior quality in the final product. Should a dispute occur, the CM shall prepare a claim analysis report and work to resolve the dispute at the lowest level and at the earliest opportunity. The CM shall hold regular meetings to discuss outstanding dispute issues and to actively work toward the resolution.

*Task 3.6 – Start-up and Commissioning*

The CM shall coordinate startup, testing, and commissioning process for each project phase. CM shall understand acceptance requirements of the project and coordinate with the contractor, key subcontractors and its vendors to properly plan in advance of testing and acceptance. CM shall coordinate acceptance in accordance with the Contract Documents

*Task 3.7 - Project Closeout:*

The CM shall plan, coordinate, and assist with the closeout process for each project phase including the creation of a contract punch list, and the final job walk. The CM will perform all needed inspections associated with the punch listed work, coordinating site visits by permit agencies to obtain permit sign off, estimating the retainage for punch listed items,

reviewing and collecting Contractor provided guarantees, certificates and warranties, ensuring that all permits have been signed off, delivery of O&M manuals and comments resolution, and working with the District to ensure that all required contract items have been provided, all punch list items have been resolved, and as-builts have been accepted. The CM shall ensure that all responsible parties have signed warranties, guarantees, and equipment systems certifications so that they are properly in-force. Should there be any open disputes, the CM shall work with the Contractor and the District staff to resolve them fairly and in a reasonable manner. Within 30 days of Project Completion, provide all project files to the District electronically in organized and searchable PDF files.

#### **Task 4: Construction Observation and Documentation**

The CM shall provide construction observation and documentation for both projects, under separate line items in the proposal.. The construction management services includes but is not limited to the following:

##### *Task 4.1 - Field Inspections:*

The CM shall perform field inspections of the construction Work for compliance with the contract requirements and to align with active construction work. Routine Field Inspections with photos capturing key work activities shall be documented on District-approved inspection forms with inspection reports itemizing the on-site manpower, the on-site sub-contractors, and the activities undertaken by the Contractor that day. Copies of the Field Inspection Reports shall be distributed to the District project manager and the original signed copy shall be filed in the project file. The Construction Inspector shall be completely familiar with project plans and specifications for the project as well as with all current District standard specifications, applicable codes, all permit requirements, all storm water pollution prevention requirements and regulations, public and job safety, and the project schedule. Each day on-site the Construction Inspector shall walk the jobsite, meet with the Contractor's superintendent and review RFIs, change order requests, and submittals. The Construction Inspector will check that all project materials on the project site have an associated approved submittal and that any needed special inspections or tests required are scheduled. Working with the District, the Construction Inspector shall coordinate with all parties on the project and be available to answer local resident and business owner questions about project issues or concerns. When noncompliant work is identified, the Construction Inspector shall issue a finding on the noncompliance and if the noncompliance is not resolved by the end of the payment cycle, the Construction Inspector will recommend an appropriate withhold amount until the issue has been corrected. It is noted that noncompliant work includes but is not to be limited to issues with permits, contract specifications, storm water pollution prevention requirements, noise, work hour violations, or other project related issues. The Construction Inspector shall provide and maintain equipment necessary to monitor noncompliant work. A running log of field issues with photographs of the specific concerns shall be maintained. The Construction Inspector shall



review the log at the weekly progress meetings to ensure the Contractor understands the issue and addresses it in a timely manner. A special withholding from the Contractor's progress payment may be recommended for significant issues for which the progress toward issue resolution of the issue does not occur in a timely manner.

*Task 4.2 - Materials Testing and Special Inspection:*

The CM shall coordinate and schedule with the District's third party material testing, special inspection, and environmental firms. The CM shall review all Contractor requests for materials testing or special inspection and if upon such review finds the work is ready for special inspection and/or materials testing shall schedule the needed special inspections and testing. The District's third party material testing and specialty inspection include the following:

1. NACE level 3 certified inspector to inspect all painted and coated surfaces, items requiring cathodic protection, or as specified
2. Welding
3. Reinforcing steel placement
4. Anchors and dowels
5. Welding for rebar and other structural steel
6. Compaction/geotechnical
7. Concrete

A log shall be maintained of site visits by the special inspector and testing staff. A file of all testing and special inspection results shall be maintained on site in the project file.

*Task 4.3 - As-Built Contract Drawings:*

The Construction Inspector shall incorporate all RFIs, field memos, and change orders on the CM's record set of construction drawings. The Construction Inspector shall also note on the record set as-built dimensional or other changes which occur in the field. The Inspector shall use the drawings to document the project during the progress payment review process. The CM/ Construction Inspector is responsible for verifying the Contractor is updating the Project Redlines at the weekly progress meeting. The District will hold the CM/ Construction Inspector responsible for ensuring that the Project Redlines are up to date and accurate with the work that is installed.

Upon completion of the project, the Construction Inspector will sign and date the as-built set to certify that they are complete and correct. Once the activity is complete, the drawings will be turned over to the District.



Task 4.4 - Permit Compliance/Site Safety:

The CM shall review all the project permits prior to the start of construction and be familiar with all of the requirements. Permit issues can range from SWPPP, safety, sound levels, working hours, or working restrictions due to animal habitat or nesting. The CM shall be familiar with each permit and meet regularly with the Contractor to ensure compliance. The Contractor is responsible for overall site safety; however, the CM will oversee the Contractor's safety plan and its implementation. Should apparent unsafe conditions be observed, they will be immediately brought to the Contractor's attention. Should the Contractor fail to expeditiously remedy the situation, the CM shall notify the District immediately so a stop work order can be issued.

5.0 PROPOSED MODIFICATIONS TO THE SCOPE OF SERVICES

OMWD is interested in the Consultant's creative ideas to improve the scope of services and they should be clearly identified in the proposed scope of services.

6.0 OMWD FURNISHED SERVICES TO SELECTED CM

The following information and services will be made available to the CM by OMWD:

- a. Conformed plans and specifications.
- b. Arrange meetings with its engineering and operations staff to gather information and review approaches, planning, and designs.
- c. Furnish electronic copies (where available) of record drawings, project reports and related materials. Any original materials provided by OMWD or developed by the CM during the duration of the project shall be returned to OMWD upon the completion of services.
- d. Answer questions regarding the Project at any time during all phases of the work.
- e. Make initial contact with customers and assist CM with coordination.
- f. Third party specialty inspections, materials testing, and environmental consulting services.

7.0 SPECIAL CONSIDERATIONS

The consultant shall schedule their services in a manner which will provide the necessary, timely services required during all phases of construction of this project. Extended and nighttime hours may be required. For the purposes of preparing a proposal, assume that construction work hours will be:

- During the daytime from:
  - 7:00 AM to 4:00 PM for the DCMWTP Centrifuge Project
  - 7:00 AM to 4:00 PM for the 4SWRF Headworks Project
- Project timelines are anticipated to overlap some.
- The District anticipates authorizing separate agreements for each of the two projects

## 8.0 PROPOSAL REQUIREMENTS

Written proposals are to include at a minimum a detailed a discussion of the consultant's approach to the project including a breakdown and explanation of project tasks, an estimation of hours for each of the two projects for individual tasks and sub-tasks by the consultant and any sub-consultant(s), and documentation of the consultant's and sub-consultant(s) qualifications for the Scope of Services. Estimation of hours with costs are to be provided with the proposal. Provide separate estimates for the DCMWTP Centrifuge and 4SWRF Headworks Projects. The cost analysis shall include the identity, classification, and estimated hours for personnel and allowable direct costs.

The Proposal should be concise, well organized, and should demonstrate the responder's qualifications and experience that is related to the project. Responders will be evaluated based on the information submitted according to the following.

### Executive Summary

Include a short summary of the entire Proposal describing the highlights of the Proposal.

### Identification of Responder

- Legal name and address of company.
- Legal form of company (partnership, corporation, joint venture, etc.). If the company is a joint venture, identify the members of the joint venture and provide all information required under this section for each member. If company is a wholly owned subsidiary of a "parent company," identify the "parent company."
- Number of years that the company has maintained a local office.
- Number of employees in the office.
- Name, title, address, and telephone number of person to contact concerning the Proposal.
- Name, title, address, and telephone number of person who will sign the agreement if selected for the project.

### Experience

Describe the firm's experience in completing similar consulting efforts. List at least two (2) successfully completed similar water projects and at least two (2) successfully completed similar wastewater projects. Projects listed should be similar in scope, magnitude, and complexity. Include the following information about the client for each project: the client's name, project manager/contact person, and phone numbers. Also describe the type of work performed and value of construction management and inspection service contract.

Proposed Approach to Accomplish the Work

Describe your approach to the scope of work. Identify project constraints. Describe any suggested enhancements to the scope and creative ideas for accomplishing the project objectives.

Project Team, Project Organization, and Key Personnel

Provide an organization chart and proposed staffing plan, based upon the scope of work, and estimated project schedule, showing personnel by title, position, and name. Staff shown in the proposal will be assumed to be available for the duration of the contract.

Describe the specific qualifications and capabilities of the designated Construction Manager and Inspector. The proposal should identify all individuals who will perform and oversee work on this project. Indicate the role and responsibilities of the prime consultant and all subconsultants. Key personnel assigned to the project shall not be reassigned without prior approval and the consultant shall request approval of OMWD before any new personnel are assigned to the project. OMWD reserves the right to reject or remove personnel performing services in this contract in its sole discretion.

The proposed Consultant or subconsultant staff should have CM experience in the construction at potable water and wastewater treatment plants , including electrical and controls equipment and consideration for maintenance of operations.

Statement on Conflicts of Interest

The consultant shall submit a statement verifying that personal and organizational conflicts of interest prohibited by law do not exist, in conformance with OMWD's Standard Agreement for Professional Services (Exhibit "A"). Any documentation required by OMWD shall be submitted by the consultant and all sub-consultants.

The consultant shall provide as a separate appendix to their proposal (not part of the maximum 15-page count), any substantive comments related to their ability and willingness to sign the District's Standard Agreement for Professional Services. Any significant or substantive comments brought forth by the selected consultant after the selection process is completed may be cause for rejection.

Consultant Proposed Scope of Work, Hours, and Cost Proposal

A proposed Scope of Work shall be submitted as an Appendix to the Proposal. A cost proposal shall also be submitted with the Proposal which states a total fee, not-to-exceed upper limit for each of the two projects. Payment for professional services will be time and material based on: (1) actual base hourly labor rates, and (2) direct costs. The only direct costs allowed to be billed by the consultant and subconsultants are

mileage at the IRS rate, report printing, blueprinting, and postage. OMWD will not pay any markup for reproduction costs, subconsultant costs, or other direct costs. Costs for IT, MIS, computer usage, overhead resource charges, and similar related costs should be included in each individual labor rate. Separate charges or multipliers will not be considered by OMWD.

Proposer shall include a detailed schedule in bar chart format for CM and Inspection Services for activities of construction. Include any key assumptions used in preparing the timetable and identify any critical tasks and/or events that could impact the overall schedule. Consultant shall provide assumptions as to whether it is not anticipated that full time inspection/cm services will be required for the project. The District wants to ensure that the appropriate level of oversight is being provided at the appropriate time. The proposer shall provide a monthly schedule of resources that shows the anticipated amount of time the proposal assumes each month for inspector(s) and/or construction management activities. This will enable the District to better understand the proposer's approach to address the fact that full time inspection will not be required throughout the duration of the project, and the proposer's approach to address that fact.

Provide an estimated cost analysis for the following items:

- Total fee for each task listed in the Scope of Work
- Labor (personnel classifications, estimated hours and hourly rates)
- Direct costs
- Subcontracts

Monthly invoices shall identify each person's actual hours on the project and must include a narrative of the work performed during the previous month. Provide a contract summary with each invoice (contract value, invoiced previously, current invoice, invoiced to date, remaining, % invoiced). Supporting invoices for direct and subcontracted costs must be included with invoice. Provide an hourly rate schedule for each labor classification for the consultant and each subconsultant. Rate schedules shall specify an effective term and a maximum annual increase for time extending beyond the effective term. The rates may be used as the basis of payment for extra work that is outside the contract scope of services, but which is performed by the consultant after specifically requested in writing by the consultant and authorized in writing by the OMWD.

## 9.0 SUBMITTAL REQUIREMENTS

Submit to OMWD, one (1) executed document, in an electronic format (smart PDF) with navigable bookmarks via email to [prebid@olivenhain.com](mailto:prebid@olivenhain.com).

The proposal shall not exceed fifteen (15) pages in length, excluding front and back cover, dividers, resumes and organizational chart, and appendices. Limit resumes to a maximum of two pages each. The proposal shall be signed by an individual or individuals authorized to execute legal documents on behalf of the consultant. Proposals and/or modifications thereto received subsequent to the hour and date specified herein will not be considered.

**The Proposal must be received no later than 2:00 p.m. PST, on October 24, 2023 to:**

[prebid@olivenhain.com](mailto:prebid@olivenhain.com)

OLIVENHAIN MUNICIPAL WATER DISTRICT

ATTN: Diana Spencer

Engineering Department Admin

## 10.0 PRE-SUBMITTAL ACTIVITIES

Questions concerning this Request for Proposals should be directed in writing by email to [prebid@olivenhain.com](mailto:prebid@olivenhain.com). The header of the email shall clearly state the reference project. **The deadline to submit questions is 2:00 p.m. PST, on Thursday, October 12, 2023.**

No pre-proposal meeting is planned to be held regarding this RFP. Individual 30-minute technical meetings with consultant teams who are seriously competing for the project may be scheduled upon request. The meetings are intended to answer questions and discuss ideas, which will be kept confidential. Do not discuss team qualifications at the meetings. The proposed consultant project manager and lead project inspector may attend the meeting. To schedule a meeting, please submit a request to Diana Spencer, Engineering Admin Assistant at [prebid@olivenhain.com](mailto:prebid@olivenhain.com) by **2:00 p.m. PST, on Thursday October 5, 2023**. Technical meetings will be held no later than Tuesday October 10, 2023, so consultant teams are encouraged to schedule meetings as soon as possible after the RFP is released.

OMWD reserves the right to revise the RFP before the date that Proposals are due. Revisions to the RFP will be mailed or emailed to all potential proposers. OMWD reserves the right to extend the date by which the Proposals are due.

## 11.0 CONSULTANT NOMINATION AND SELECTION PROCESS

A Consultant Selection Panel (Panel) will be established for this project and will include representatives from OMWD, and if deemed in OMWD's best interests, other persons from outside OMWD qualified to evaluate the proposals. The Panel will evaluate the Proposals based on the information submitted. OMWD anticipates selecting a consultant based on the proposals received but reserves the right to interview selected firms. OMWD will rank the finalists as to qualifications and select the successful consultant.

If necessary, OMWD will enter into negotiations with the selected firm. The scope of work provided in the proposal will be used as a basis for contract negotiations. Negotiations will cover: scope of work, contract terms and conditions, and price. If OMWD is unable to reach an acceptable agreement with the selected firm, OMWD will terminate negotiations with the selected firm and negotiations with the second ranked firm will be initiated.

After negotiating a proposed agreement that is fair and reasonable, the negotiating team will recommend to the General Manager that OMWD select that consultant and enter into a proposed agreement for the first project. If necessary, the General Manager will make the final recommendation to the OMWD Board of Directors, concerning the proposed agreement. Final authority to approve the agreement rests with OMWD's Board of Directors.

When the second project is ready to issue for bid, OMWD and consultant will re-visit the fee against the issued for bid set of contract documents and make a separate authorization for a new agreement.

## 12.0 EVALUATION CRITERIA

The Proposals will be evaluated based on the minimum following criteria. Other factors may be taken into account by OMWD during Proposal review.

### 13.1 Approach to Work (30%)

- Understanding of project and objectives
- Identify potential challenges and solutions
- Level of detail discussed
- Other issues not addressed in RFP but deemed essential to the effective conduct of the project
- Tasks clearly defined
- Activities well-coordinated
- Provisions for technical and quality control

13.2 Qualification of Key Personnel and Relevant Experience (45%)

- Specialized Qualifications of the Construction Manager and Inspector
- Involvement and commitment of key personnel
- Current depth of technical expertise in firm and its subconsultants
- Experience and Performance on similar projects
- Proven specialization of the firm on similar projects
- Complexity and geographic location of the project experience

13.3 Level of Effort (25%)

- Effort required in time and materials resources to complete the work
- Ability to perform within schedule and with assigned staff
- Flexibility to changes in scope and schedule based on active construction activities

14.0 SCHEDULE FOR NOMINATION, SELECTION, AND AWARD

OMWD anticipates that the process for nominating and selecting a consultant, and awarding the contract, will be according to the following tentative schedule:

• Issue RFP	September 21, 2023
• Deadline to Request Pre-proposal Meeting	October 5, 2023, 2:00 PM
• Last Day for Meetings with District	October 10, 2023, 2:00 PM
• Last Day for Questions	October 12, 2023, 2:00 PM
• Proposals Due	October 24, 2023, 2:00 PM
• Notification of Selection*	November 2023
• Completion of Contract Negotiations*	November/December 2023
• Board Approval, if needed*	December 2023

*\*OMWD anticipates selecting a consultant based on the proposals received but reserves the right to interview selected firms, which may impact tentative dates.*

15.0 SPECIAL CONDITIONS

This RFP does not commit OMWD to award a contract, to defray any costs incurred in the preparation of a proposal pursuant to this RFP, or to procure or contract for work. All proposals submitted in response to this RFP become the property of OMWD and are public records, and as such may be subject to public review.

OMWD reserves the right to cancel, in part or in its entirety, this RFP including, but not limited to selection schedule, submittal date, and submittal requirements. OMWD reserves the right to reject all proposals and terminate the project. If OMWD cancels or revises the RFP, rejects all Proposals or terminates the project, all proposers will be

notified in writing by OMWD.

OMWD reserves the right to request additional information and/or clarifications from any or all proposers to this RFP.

The selected consultant will be required to sign an Agreement for Professional Services (Exhibit A) and to provide the Insurance Certificates and all other required documentation within 10 calendar days of notification of selection.

**Proposals are due October 24, 2023 at 2:00 pm.**

**Attachments:**

Exhibit A – Professional Services Agreement

Exhibit B – Centrifuge 100% Submittal Key Design Sheets

Exhibit C – Headworks 90% Submittal Key Design Sheets



**PROFESSIONAL SERVICES AGREEMENT**  
**[INSERT PROJECT NAME OR PROVIDED SERVICES]**  
**FOR THE OLIVENHAIN MUNICIPAL WATER DISTRICT**

23AGR0XX  
PROJECT NUMBER

This Agreement is entered into by and between the Olivenhain Municipal Water District, a Municipal Water District organized and operating pursuant to Water Code Sections 71000 *et seq.* (hereinafter the District) and CONSULTANT NAME, a California corporation organized and operating in the State of California (hereinafter “CONSULTANT”).

**R-E-C-I-T-A-L-S**

1. The District is a public agency organized and operating pursuant to Water Code Sections 71000 *et seq.*, which provides water, recycled water, and sewer service within certain areas of Northern San Diego County.
2. The District requires the services of an [TYPE OF COMPANY] to provide [SERVICES] within the District boundaries.
3. CONSULTANT is an [TYPE OF COMPANY] licensed to do business in the State of California with [EXPERTISE]
4. The District desires to retain CONSULTANT to provide [SERVICES TO BE PROVIDED].

**C-O-V-E-N-A-N-T-S**

1. Services to Be Performed. CONSULTANT agrees to perform [SERVICES TO BE PERFORMED AND PROJECT NAME]. The services to be provided by CONSULTANT are more particularly described in the Scope and Cost Proposal attached hereto as Exhibit “A” and incorporated herein by reference. All work performed by CONSULTANT shall be subject to review and approval by the District. The District shall have no obligation to approve any work found defective by the District, in its sole discretion.

April 2023

2. Correction of Defective Work. CONSULTANT agrees to correct all labor or materials found defective by the District at its sole cost and expense. All work found defective by the District shall be corrected in the time specified by the District by written notice to CONSULTANT.

3. Price for Work. CONSULTANT agrees to perform all work described in Exhibit "A" for a total price not to exceed \$XX,XXX. No increase in this price shall be allowed without the express written consent of the District. The District shall have no obligation to grant this consent and may deny consent to any price increase, in its sole discretion.

4. Payment for Work. CONSULTANT shall bill the District monthly for all labor and materials provided during the previous month. All billings shall include a complete description of all work completed during the previous month, including hours and costs of each person performing the work and shall also include a detailed description of progress to date on each task of work described in Exhibit "A". All bills shall be subject to review and approval by the District. Invoices approved by the District will be paid on a monthly basis thirty (30) days after the invoice has been approved by the District. The District shall have no obligation to pay for any work not expressly approved by the District. The District's approval shall not be unreasonably withheld. CONSULTANT shall provide the District with any additional information requested by the District from time to time to support any item contained on an invoice no later than seven (7) days after a written request for this information from the District. Markup on subconsultants as specified in the Request for Proposal (RFP).

5. Extra Work. The District may request additional work or services from CONSULTANT from time to time, as the District shall determine, in its sole discretion. CONSULTANT shall not commence any extra work without a written change order expressly approved by the District, in writing. Work performed by CONSULTANT without an approved change order signed by the District will not be paid for by the District. In the event the District determines that additional work is justified, the parties shall agree on the additional work to be performed and the price to be paid for this additional work prior to commencement of any additional work by CONSULTANT. It is understood by the parties that CONSULTANT shall not be entitled to any payment for extra work unless the District determines that it desires extra

work to be performed and a written change order has been executed by the parties. Attached as Exhibit “B” is the Request for Additional Work Form required by the District for all requests for additional work or task transfers.

6. Standard of Care. In performing all work and services required by this Agreement, CONSULTANT agrees to use the highest degree of skill and expertise ordinarily exercised, under similar circumstances, by a [INSERT CONSULTANT TYPE] with expertise in [EXPERTISE] and the other services described in the Scope and Cost Proposal attached as Exhibit “A”. As a material term of this Agreement, CONSULTANT warrants and represents that it has secured all licenses required by federal or California law to perform all work and services required by this Agreement. CONSULTANT agrees to perform all work required by this Agreement at all times in strict accordance with all applicable federal, state, and local laws and regulations which apply to the labor or materials being provided.

7. Work Performance Standards. CONSULTANT agrees to perform all work and services required by this Agreement in a manner which complies with all federal and state health and safety standards and in a manner which avoids damage or injury to any real or personal property of any person or entity, including any real or personal property of the District. CONSULTANT agrees to perform the work at all times in a manner which avoids the creation of any trespass or private or public nuisance during conduct of the work.

8. Liability for Work of Agents, Independent Contractors, and Subcontractors. CONSULTANT shall be solely liable and responsible for all labor and materials provided by any director, officer, agent, employee, subcontractor, supplier, or independent contractor hired or retained by CONSULTANT to perform any work or to provide any materials or supplies. The District shall have no liability whatsoever for any work or services performed or any materials or supplies provided by CONSULTANT or its directors, officers, agents, employees, subcontractors, suppliers, or independent contractors.

9. Time for Completion of Services. As a material term of this Agreement, CONSULTANT agrees to complete all work and services required by this agreement by no later than DATE. The breach of this paragraph shall constitute a material breach of this Agreement.

10. District Termination Right. The District shall have the express right to terminate this Agreement at any time without cause by giving seven (7) consecutive days advance written notice to CONSULTANT. This Agreement shall be automatically terminated without further action of any party upon expiration of the seven (7) day period. Promptly upon receipt of any termination notice from the District, CONSULTANT shall cease all further work and services, except as otherwise expressly directed by the District in the written termination notice. In the event the District exercises its termination right, CONSULTANT shall be paid only for work and services performed and approved by the District to the date this Agreement terminates. The District shall have the express right to withhold any payment otherwise due CONSULTANT to correct any labor or materials determined to be defective by the District at the time of termination. All plans, maps, drawings, reports, designs, or other writings of any type or nature prepared by CONSULTANT as a result of this Agreement shall become and remain the sole property of the District. All such writings shall be provided to the District not later than seven (7) consecutive days after termination of this Agreement for any reason. All labor, supplies, work and materials provided by CONSULTANT in conjunction with this Agreement shall become and remain the sole property of the District.

11. Hazardous and Toxic Waste. For purposes of this section, the term “hazardous or toxic waste” means any solid, liquid, or gaseous product classified as a hazardous or toxic waste under any federal, state, or local laws, rules, regulations, or ordinances, and all gas and oil products and by-products of every kind or nature. CONSULTANT shall be solely liable and responsible for the proper clean-up and removal of all hazardous or toxic waste used, handled, stored, or spilled by CONSULTANT or any director, officer, agent, employee, subcontractor, independent contractor or representative of CONSULTANT. CONSULTANT shall pay all fees, costs, expenses and fines necessary to clean-up or remediate any hazardous or toxic waste for which CONSULTANT is liable under this paragraph in strict accordance with all federal, state and local laws, rules and regulations at CONSULTANT’s sole cost and expense. CONSULTANT shall not be liable for any hazardous or toxic waste used, handled, stored or spilled by the District or its directors, officers, employees or contractors.

In the event any third party, including any regulatory agency, brings any claim or cause of action against the District to clean-up or remediate any hazardous or toxic waste for which

CONSULTANT is liable under this section, CONSULTANT shall also indemnify and hold harmless the District and its directors, officers, agents, and employees from all claims, actions, losses, costs, fees, expenses, fines, and penalties, of whatever type or nature, including all costs of defense and attorneys fees, upon written demand for indemnity from the District.

12. Independent Contractor. As a material term of this Agreement, it is expressly agreed between the parties that CONSULTANT is performing all work and services for the District pursuant to this Agreement as an independent contractor and not as an agent or employee of the District. The parties further agree and acknowledge that the District expects CONSULTANT to make its own independent determination of the means and methods to perform all work required by this Agreement, and will not be directed as to any of these means or methods by the District.

13. Conflicts of Interest Prohibited. As a material term of this Agreement, CONSULTANT shall not in any way attempt to use its position to influence any decision of the District in which it knows, or has reason to know, its has a financial interest other than the compensation provided in this agreement. As a material term of this Agreement, CONSULTANT warrants and represents that it does not, to the best of its knowledge, have any economic interests which would conflict with any of its duties under this Agreement. CONSULTANT agrees not to secure any economic interest during the performance of this Agreement which conflicts with its duties to the District under this Agreement.

14. Breach. The breach of any term or provision of this Agreement by CONSULTANT shall constitute a material breach of this Agreement.

15. District Remedies for Breach. In the event CONSULTANT breaches any term, covenant, or condition of this Agreement or fails to perform any work or services required by this Agreement, the District shall be entitled to elect all or any of the following remedies at the District's sole option:

15.1 Unilateral Termination. Unilaterally terminate this Agreement by written notice to CONSULTANT. Upon election of this remedy by the District, Paragraph 10 governing District Termination Right shall apply; or

15.2 Specific Enforcement. Enforce any provision of this Agreement by specific performance. If this remedy is elected by the District, CONSULTANT agrees that specific performance is appropriate and reasonable given the unique and special services being performed by CONSULTANT and expressly waives the right to contest the right of the District to seek specific performance in any subsequent action or proceeding between the parties; or

15.3 File suit against CONSULTANT for damages arising from breach of this Agreement. In the event the District elects this remedy, it shall be entitled to recover all damages authorized by law; and/or

15.4 The District shall be entitled to withhold such amounts as the District determines are appropriate, in its sole discretion, to complete the work or services required by this Agreement, or to correct any labor or materials resulting from CONSULTANT's negligence.

In the event the District is required to pay any sum or amount to complete any labor or materials services required by this Agreement, or to correct any labor or materials resulting from CONSULTANT's negligence, amounts paid by the District shall earn interest at the rate of one percent (1%) per month from the date of payment until the District is repaid in full.

16. Insurance. At all times during the term of this Agreement, CONSULTANT must maintain a commercial liability insurance policy, workers' compensation insurance, and professional liability insurance in strict accordance with all terms of this paragraph. The insurance required by this paragraph shall be provided as follows:

16.1 Liability Insurance. Following execution of this Agreement, and prior to commencement of any work, CONSULTANT shall provide the District with proof of liability insurance coverage with an insurance company licensed to do business in the State of California and acceptable to the District, providing \$1,000,000 of coverage per occurrence and \$2,000,000 minimum aggregate. The liability insurance coverage shall include each of the following types of insurance:

**A. General Liability:**

- |                                  |   |
|----------------------------------|---|
| 1. Comprehensive Form            | 6. Contractual Insurance                                      |
| 2. Premises-Operations           | 7. Broad form Property Damage, Including Completed Operations |
| 3. Explosion and Collapse Hazard | 8. Independent Contractors                                    |
| 4. Underground Hazard            |   |

5. Projects/Completed Operations Hazard 9. Personal Liability

**B. Auto Liability**

1. Comprehensive Form
2. Owned
3. Hired

The policy shall include contractual coverage sufficiently broad to insure the matters set forth in the section entitled “Indemnity” in this Agreement. The deductible amount shall not exceed \$5,000.00. Also included in such insurance shall be a “cross-liability” or “severability of interest” clause.

16.2 Workers’ Compensation Insurance. Following execution of this Agreement and prior to commencement of any work, CONSULTANT shall submit proof of insurance showing they have obtained, for the period of the agreement, full workers’ compensation insurance coverage for no less than the statutory limits covering all persons whom CONSULTANT employs or may employ in carrying out the work under this agreement.

16.3 Professional Liability Insurance. Following execution of this Agreement, and prior to commencement of any work, CONSULTANT shall provide the District with proof of professional liability insurance with an insurance provider licensed to do business in the State of California, providing \$1,000,000 of coverage per occurrence and \$2,000,000 minimum aggregate. This insurance shall have a deductible not to exceed \$5,000.

16.4 ACORD Certificate of Liability Insurance and Additional Insured Endorsements. All insurance required by Paragraph 16.1, 16.2, and 16.3 of this agreement shall be submitted on an ACORD Certificate of Liability Insurance. Insurers must be authorized to do business and have an agent for service of process in the State of California and have an ‘A’ financial strength rating and a financial size rating of at least Class VI in accordance with the most current A.M. Best’s Rating Guide. Additional Insured Endorsements must be provided for the Liability Insurance called out in Paragraph 16.1 with the **Olivenhain Municipal Water District (District), the District’s Engineer/Architect, the District’s Representatives, Consultants, and each of the District’s Directors, Officers, Agents, and Employees** named as additional insureds. The insurance must include a Waiver of Subrogation and must be Primary

and non-Contributory. The additional insured endorsements must be provided on Form CG 20 10 10 01. The insurance certificate and endorsements shall be cancelable with notice delivered to the District in accordance with the policy provisions.

17. Job Site Safety. CONSULTANT shall be solely liable and responsible for complying with all federal, state and local laws, rules and regulations pertaining to job safety for all agents, employees, subcontractors, suppliers, and independent contractors retained by CONSULTANT to perform any work or services or to provide any materials required by this Agreement. However, CONSULTANT shall not be liable or responsible for overall job site safety or the job site safety for any workers or agents employed by any construction contractor performing any work for the District on any construction project.

18. Indemnity. As a material term of this Agreement, CONSULTANT agrees to hold harmless, indemnify, and defend the District and its directors, officers, employees, agents, and representatives from and against any and all demands, liability, claims, suits, actions, damages, costs, fees, expenses, fines, and penalties, of whatever type or nature, including, but not limited to, reasonable attorney fees, to the extent arising out of, pertaining to, or relating to the willful misconduct, recklessness, or negligence of CONSULTANT, including its directors, officers, employees, agents, subcontractors, sub-consultants, suppliers, independent contractors, or other persons and entities employed or utilized by CONSULTANT in the performance of this Agreement. In the event that any administrative proceeding, litigation or arbitration is instituted naming the District or any other indemnified parties as a defendant, the District and such other indemnified parties shall be entitled to appoint their own independent counsel to represent them, and CONSULTANT agrees to pay all reasonable attorneys fees, expert fees and costs, and litigation costs associated with this defense within thirty (30) days of any billing; provided however, that the CONSULTANT's obligation shall be limited as provided by Civil Code Section 2782.8 to the extent that the CONSULTANT establishes its proportionate percentage of fault by stipulation of all the parties to the proceeding or a final adjudicatory determination.

19. Miscellaneous Provisions.



19.1 California Law Governs. This Agreement shall be governed by California law.

19.2 Jurisdiction and Venue. In the event of any legal or equitable proceeding to enforce or interpret the terms and conditions of this Agreement, the parties agree that jurisdiction and venue shall lie only in the federal or state courts in or nearest to the North County Judicial District, County of San Diego, State of California.

19.3 Modification. This Agreement may not be altered in whole or in part except by a written modification approved by the Board of Directors of the District and executed by all the parties to this Agreement.

19.4 Attorneys' Fees. In the event any arbitration, action or proceeding is initiated to challenge, invalidate, enforce or interpret any of the terms of this Agreement, the prevailing party shall be entitled to all attorneys' fees, all expert fees and costs, and all litigation fees, costs, and expenses in addition to any other relief granted by law. This provision shall apply to the entire Agreement.

19.5 Entire Agreement. This Agreement, together with all exhibits attached hereto, contains all representations and the entire understanding between the parties with respect to the subject matter of this Agreement. Any prior correspondence, memoranda, or agreements, whether or not such correspondence, memoranda or agreements are in conflict with this Agreement, are intended to be replaced in total by this Agreement and its exhibits. CONSULTANT warrants and represents that no District representative has made any oral representations or oral agreements not contained in this Agreement. CONSULTANT further warrants and represents that CONSULTANT has not relied upon any oral statements or promises made by any District representative or agent in executing this Agreement. The parties mutually declare that this Agreement and its exhibits constitute a final, complete and integrated agreement between the parties.

19.6 Prohibition on Assignment. CONSULTANT shall not be entitled to assign or transfer all or any portion of its rights or obligations in this Agreement without obtaining the express prior written consent of the District. The District shall have no obligation

to give its consent to any assignment and may deny any requested assignment, in its sole discretion.

19.7 Binding Effect. This Agreement shall inure to the benefit of and be binding upon the parties and on their respective purchasers, successors, heirs and assigns.

19.8 Unenforceable Provisions. The terms, conditions, and covenants of this Agreement shall be construed whenever possible as consistent with all applicable laws and regulations. To the extent that any provision of this Agreement, as so interpreted, is held to violate any applicable law or regulation, the remaining provisions shall nevertheless be carried into full force and effect and remain enforceable.

19.9 Representation of Capacity to Contract. Each party to this Agreement represents and warrants that he or she has the authority to execute this Agreement on behalf of the entity represented by that individual. This representation is a material term of this Agreement.

19.10 Opportunity to be Represented by Independent Counsel. Each of the parties to this Agreement warrants and represents that it has been advised to consult independent counsel of its own choosing and has had a reasonable opportunity to do so prior to executing this Agreement.

19.11 No Waiver. The failure of either party to enforce any term, covenant or condition of this Agreement on the date it is to be performed shall not be construed as a waiver of that party's right to enforce this, or any other, term, covenant, or condition of this Agreement at any later date or as a waiver of any term, covenant, or condition of this Agreement. No waiver shall occur unless the waiver is expressly stated in writing and signed by the person for the party having the authority to expressly waive the benefit or provision, in writing. No oral waivers shall be effective against either party.

19.12 No Joint Venture and No Third Party Beneficiaries. Nothing in this Agreement is intended to create a joint venture, partnership or common enterprise relationship of any kind between the District and CONSULTANT. No third parties shall be construed as beneficiaries of any term, covenant or provision of this Agreement.

19.13 Time of Essence. The parties agree that time is of the essence as to all matters specified in this Agreement. The parties mutually declare that this is a material term of this Agreement.

19.14 Notices. All letters, statements, or notices required pursuant to this Agreement shall be deemed effective upon receipt when personally served, transmitted by facsimile machine, or sent certified mail, return receipt requested, to the following addresses or facsimile numbers:

To: "CONSULTANT"  
FULL NAME  
Attn:  
ADDRESS  
CITY, STATE, ZIP  
Fax No. :(XXX) XXX-XXXX

To: "District"  
Olivenhain Municipal Water District  
Attn: General Manager  
1966 Olivenhain Road  
Encinitas, California 92024

19.15 Effective Date. The effective date of this Agreement executed in counterparts in Olivenhain, California, within the North County Judicial District, County of San Diego, State of California, is \_\_\_\_\_, 20XX.

Dated: \_\_\_\_\_, 20XX

Olivenhain Municipal Water District,  
a public agency

By: \_\_\_\_\_  
Kimberly A. Thorner  
General Manager

Dated: \_\_\_\_\_, 20XX

CONSULTANT

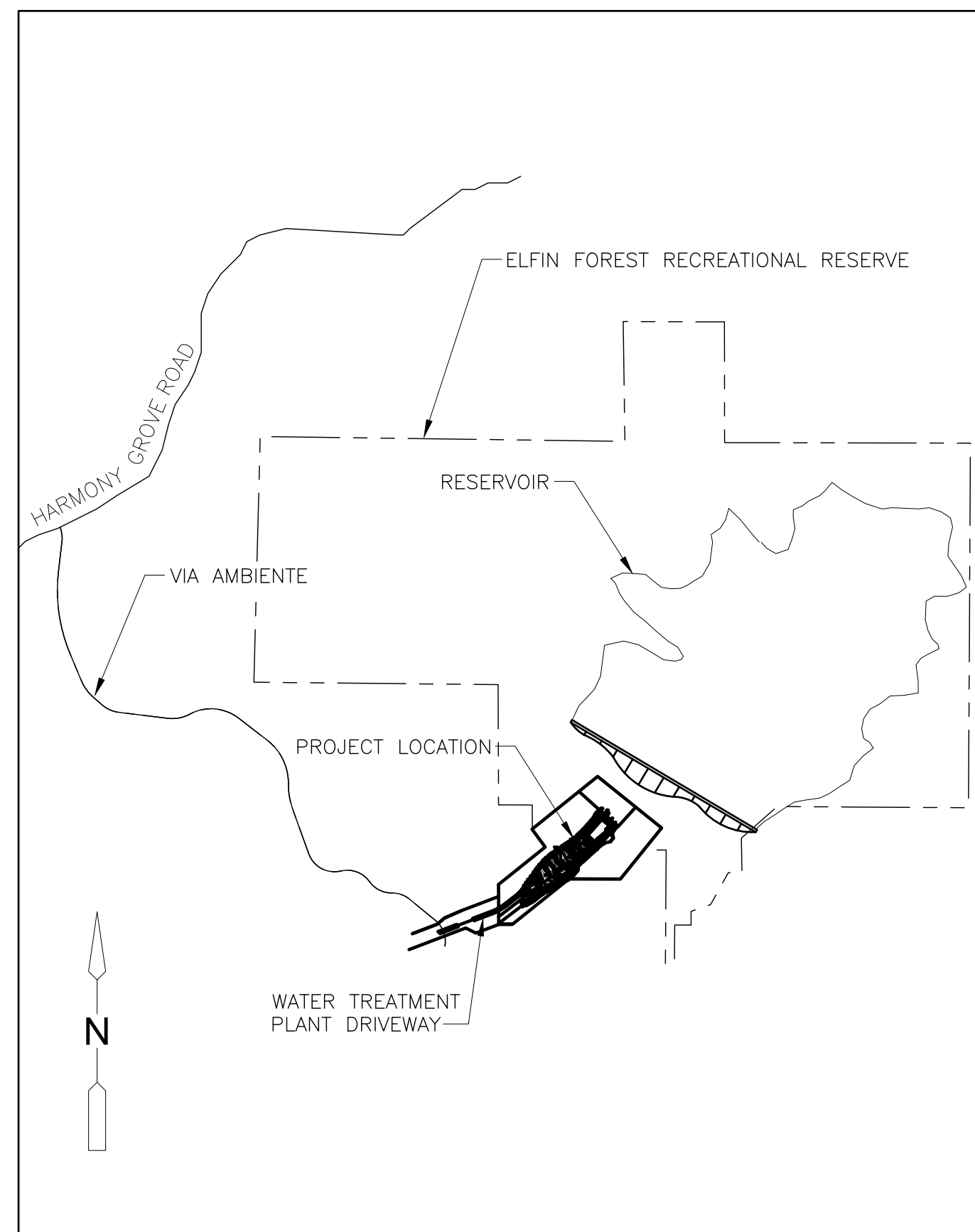
By: \_\_\_\_\_

Title: \_\_\_\_\_



Municipal Water District

# CONSTRUCTION PLANS FOR DAVID C. McCOLLOM WATER TREATMENT PLANT STAGE FOUR PROCESS UPGRADES



**LOCATION MAP**

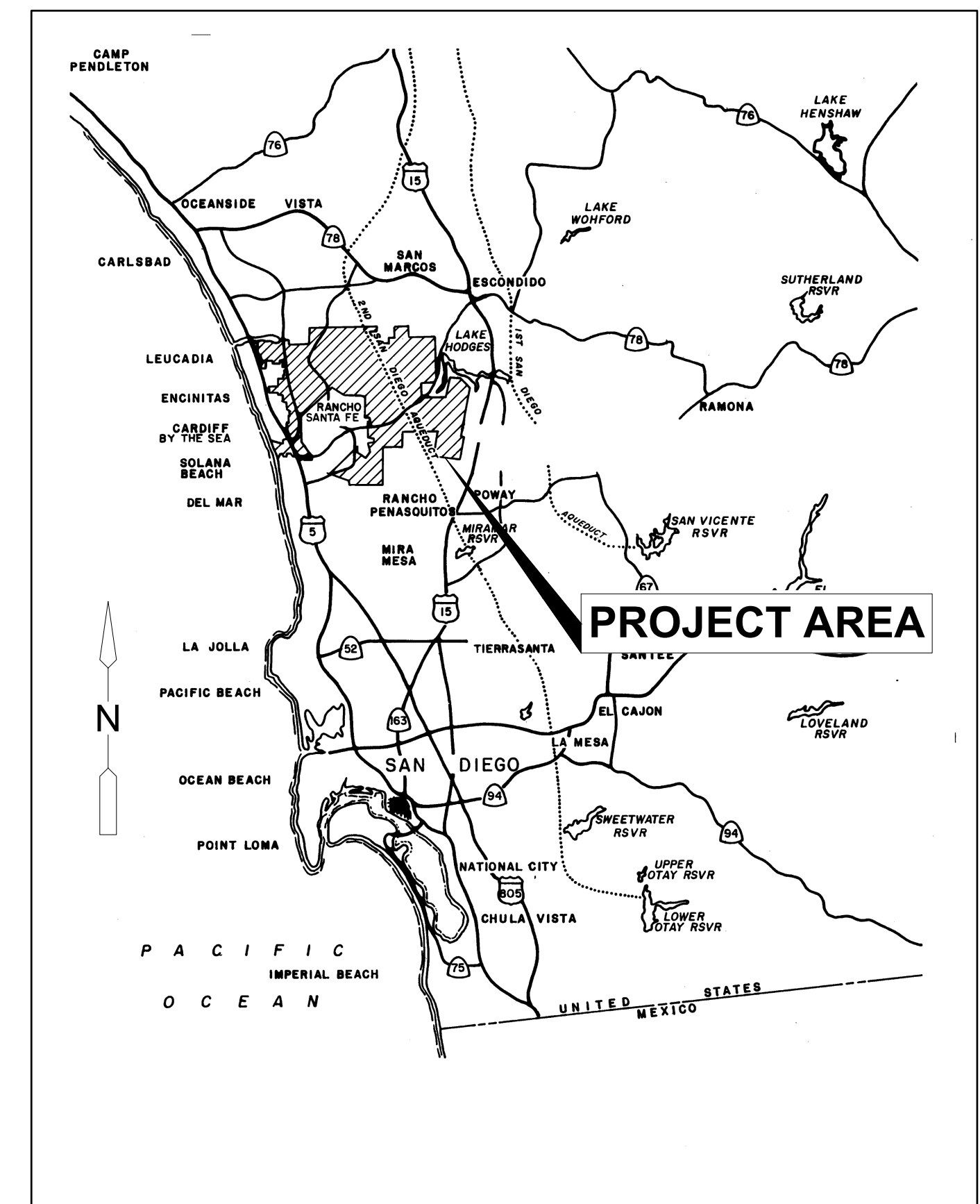
NO SCALE

**100% DESIGN  
MAY 2023**

**Olivenhain Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024  
(760) 753-6466**

## **BOARD OF DIRECTORS**

**Lawrence A. Watt  
Matthew R. Hahn  
Christy Guerin  
Marco San Antonio  
Neal Meyers**



**VICINITY MAP**

NO SCALE

*Prepared by:*

# Hazen

HAZEN AND SAWYER  
11260 EL CAMINO REAL, SUITE 102  
SAN DIEGO, CALIFORNIA 92130

**Lindsey Stephenson, P.E. Engineering Manager    DATE**

ORIGINAL SCALE IN INCHES 0 1 2 3 4

File: C:\BMSHAZEN\WDO219877\G-02 Saved by RSHNAYDERMAN Save date: 5/11/2023 10:54 AM  
PLOT DATE: 5/12/2023 9:00 PM BY: RSHNAYDERMAN

				PROJECT ENGINEER:	S. GHIU
				DESIGNED BY:	S. GHIU
				DRAWN BY:	R. SHNAYDERMAN
				CHECKED BY:	M. PETERSON
				IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1" <div><div></div><div></div><div></div></div>
REV	ISSUED FOR	DATE	BY		

100% DESIGN DRAWING DO NOT USE FOR CONSTRUCTION
---

Hazen

HAZEN AND SAWYER  
11260 EL CAMINO REAL, SUITE 102  
SAN DIEGO, CALIFORNIA 92130

OLIVENHAIN MUNICIPAL WATER DISTRICT ENCINITAS, CALIFORNIA
DCM WTP STAGE 4 PROCESS UPGRADES

GENERAL SHEET INDEX
------------------------

DATE:	MAY 2023
HAZEN NO.:	20102-002
CONTRACT NO.:	1
DRAWING NUMBER:	G-2

SHEET NUMBER

SHEET TITLE

GENERAL

G-1  
G-2  
G-3  
G-4  
G-5

COVER SHEET  
SHEET INDEX  
DESIGN CRITERIA  
PROCESS FLOW DIAGRAM FOR RESIDUALS  
SITE AERIAL

DEMOLITION

D-1  
D-2  
D-3  
D-4

EXISTING CONDITIONS AND DEMOLITION PLAN  
POLYMER AND CENTRATE PHOTOS  
RESIDUALS BUILDING WALL SECTION  
WALL AND CENTRATE - PHOTOS

STRUCTURAL

S-1  
S-2  
S-3  
S-4  
S-5  
S-6  
S-7  
SD-1

GENERAL NOTES - SHEET 1  
RESIDUALS HANDLING BUILDING DEMOLITION PLAN  
RESIDUALS HANDLING BUILDING OVERALL BOTTOM PLAN  
RESIDUALS HANDLING BUILDING PARTIAL BOTTOM PLAN  
RESIDUALS HANDLING BUILDING INTERMEDIATE PLAN  
RESIDUALS HANDLING BUILDING SECTIONS  
RESIDUALS HANDLING BUILDING STRUCTURAL DETAILS  
STANDARD DETAILS

MECHANICAL

M-1  
M-2  
M-3  
M-4  
M-5  
M-6  
MD-1

NOTES AND LEGEND  
OVERALL SITE PLAN  
PARTIAL PLAN AND SECTIONS FOR CENTRIFUGE  
RESIDUAL BUILDING WALL SECTION  
PARTIAL PLAN AND SECTION FOR CENTRATE AND CENTRIFUGE PUMPS  
PARTIAL PLAN AND SECTIONS FOR POLYMER SYSTEM  
MECHANICAL DETAILS

ELECTRICAL

E-1  
E-2  
E-3  
E-4  
E-5  
E-6  
E-7  
E-8  
E-9  
ED-1

NOTES, LEGENDS, AND ABBREVIATIONS  
NEW SWBD MSB-2 ONE LINE DIAGRAM  
MCC-5 ONE LINE DIAGRAM AND ELEVATION  
RESIDUALS HANDLING BLDG INT. LEVEL-POWER AND SIGNAL PLAN  
RESIDUALS HANDLING BLDG BOTTOM LEVEL-POWER AND SIGNAL PLAN  
CHEMICAL FEED AREA-POWER AND SIGNAL PLAN  
PANELBOARD, CONDUIT AND WIRE SCHEDULES  
INSTRUMENT INTERCONNECTION DIAGRAM  
CONTROL SCHEMATICS  
STANDARD DETAILS

INSTRUMENTATION

I-1  
I-2  
I-3  
I-4  
I-5  
I-6  
I-7  
I-8  
ID-1

PROCESS AND INSTRUMENTATION DIAGRAM SYMBOLS AND LEGEND SHEET 1 OF 2  
PROCESS AND INSTRUMENTATION DIAGRAM SYMBOLS AND LEGEND SHEET 2 OF 2  
CONTROL SYSTEM ARCHITECTURE  
PROCESS AND INSTRUMENTATION DIAGRAM CENTRIFUGE FEED PUMPS  
PROCESS AND INSTRUMENTATION DIAGRAM CENTRIFUGES NO.1 AND NO. 2  
PROCESS AND INSTRUMENTATION DIAGRAM CENTRATE TANK AND PUMPS  
PROCESS AND INSTRUMENTATION DIAGRAM POLYMER DOSING SYSTEMS FOR CENTRIFUGES  
PLC PANEL LAYOUT  
STANDARD DETAILS

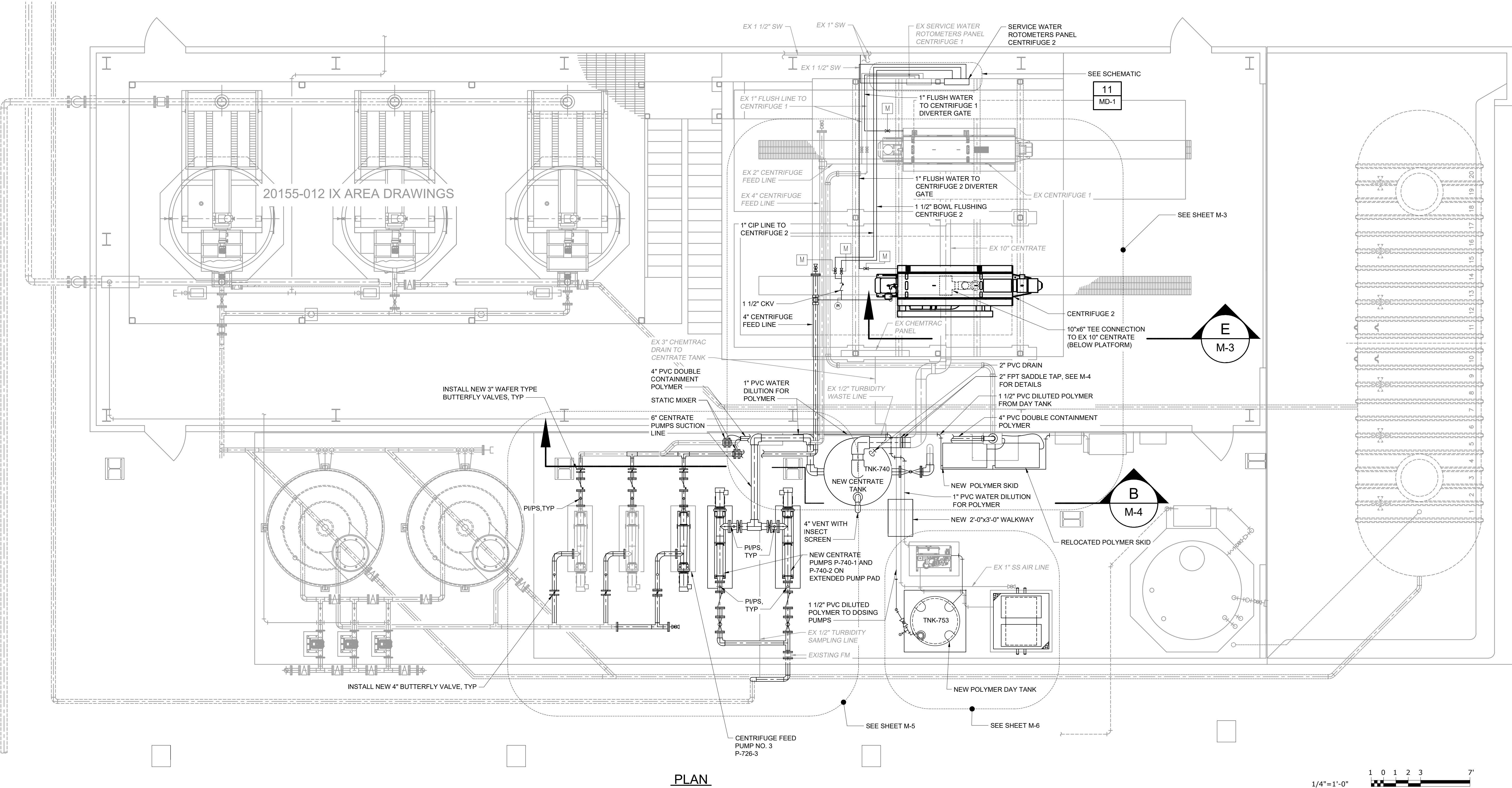









NOTES:  
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.



PLAN

1/4"=1'-0"  
1 0 1 2 3 7'

File: C:\BMS\HAZEN\WDD\21980\0-M2 Saved by: RSHNAYDERMAN Save date: 5/30/2023 5:08 PM  
PLOT DATE: 5/30/2023 5:09 PM BY: RSHNAYDERMAN

				PROJECT ENGINEER:	S. GHIU
				DESIGNED BY:	S. GHIU
				DRAWN BY:	R. SHNAYDERMAN
				CHECKED BY:	M. PETERSON
				IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1" 
REV	ISSUED FOR	DATE	BY		

100% DESIGN DRAWING  
DO NOT USE FOR  
CONSTRUCTION

**Hazen**  
HAZEN AND SAWYER  
11260 EL CAMINO REAL, SUITE 102  
SAN DIEGO, CALIFORNIA 92130

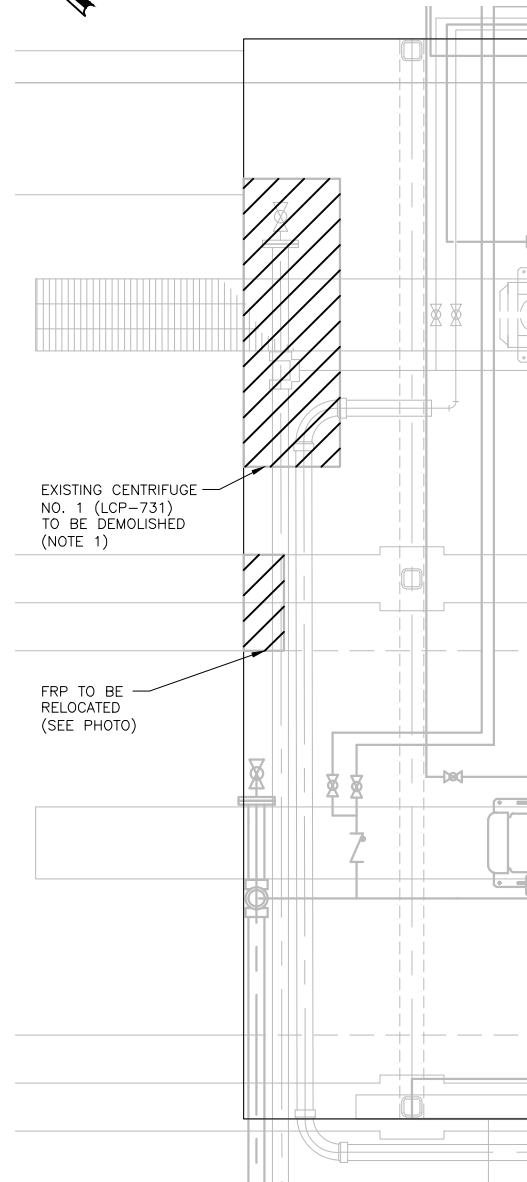
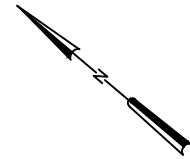
OLIVENHAIN MUNICIPAL WATER DISTRICT  
ENCINITAS, CALIFORNIA

DCM WTP STAGE 4 PROCESS UPGRADES

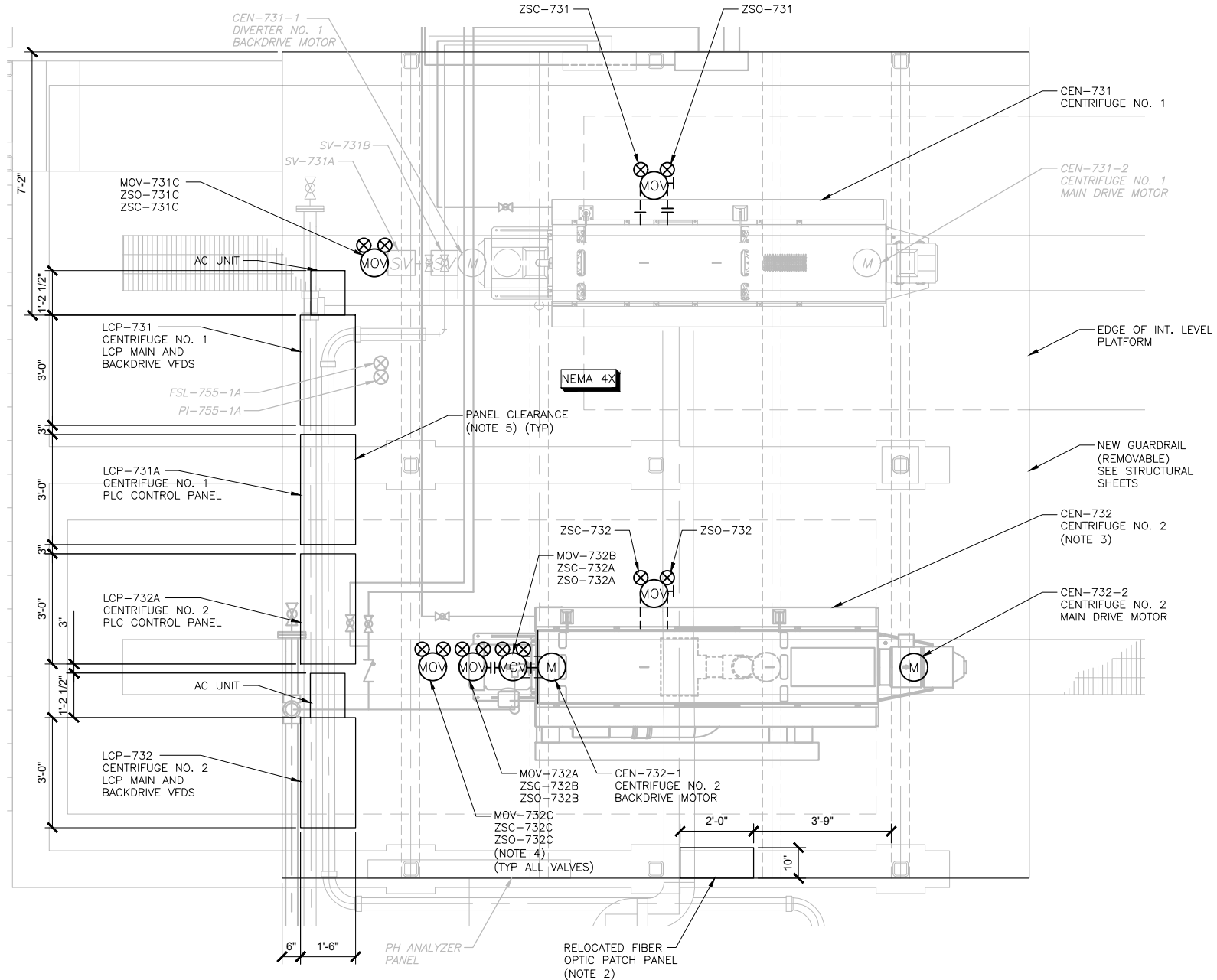
MECHANICAL  
OVERALL SITE PLAN

DATE:	MAY 2023
HAZEN NO.:	20102-002
CONTRACT NO.:	1
DRAWING NUMBER:	

M-2

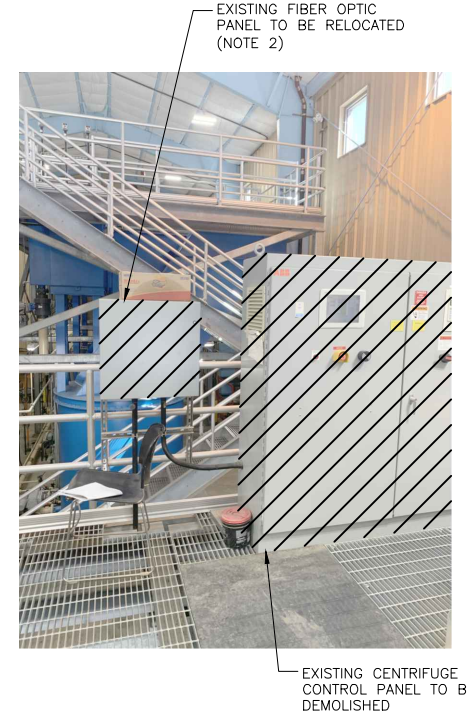


ELECTRICAL DEMOLITION DETAIL



POWER AND SIGNAL PLAN

- NOTES:
1. PROVIDE TWO NEW PANELS FOR EXISTING CENTRIFUGE NO. 1 AND DEMOLISH EXISTING PANEL AS SHOWN. INTERCEPT EXISTING CONDUITS AT PLATFORM LEVEL AND PROVIDE NEW BARRIERED 10x10 WIREWAY FOR INTERCEPTING EXISTING CONDUITS. PROVIDE NEW CONDUITS TO NEW PANEL LOCATIONS AND REPLACE ALL EXISTING CENTRIFUGE WIRING. REFER TO CENTRIFUGE INTERCONNECTION DIAGRAM INCLUDED AS REFERENCE DRAWINGS.
  2. INTERCEPT EXISTING FIBER CONDUIT BELOW PLATFORM WITH NEW ELBOW CONDUITS AND ROUTE NEW CONDUIT TO NEW FIBER OPTIC PANEL LOCATION. PROVIDE NEW FIBER CABLES FROM PLC PANEL CC-RHB. PROVIDE CONDUIT AND NEW FIBERS FROM RELOCATED PATCH PANEL ENCLOSURE TO NEW CENTRIFUGE CONTROL PANELS. FIELD LOCATE FINAL PANEL LOCATION WITH OMWD. STRAP PANEL TO GUARDRAIL SIMILAR TO EXISTING.
  3. PROVIDE ALL NEW CONDUIT AND WIRE FOR NEW CENTRIFUGE NO. 2 AS REQUIRED BY CENTRIFUGE SYSTEM SUPPLIER. REFER TO CENTRIFUGE INTERCONNECTION DIAGRAM INCLUDED AS REFERENCE DRAWINGS.
  4. ALL NEW VALVES ARE LOCATED UNDERNEATH THE PLATFORM DECK.
  5. PROVIDE MINIMUM CLEAR SPACE AS REQUIRED BY THE NEC. PROVIDE 48-INCH MINIMUM CLEAR SPACE IN FRONT OF VFD PANELS (LCP-731 AND LCP-732). PROVIDE 36-INCH MINIMUM CLEAR SPACE IN FRONT OF PLC CONTROL PANELS (LCP-731A AND LCP-732A).




CENTRIFUGE #1, EXISTING ELECTRICAL PANELS

PHOTO 1  
SCALE: NTS

1/2"=1'-0" 12" 0 1 3'

File: C:\BISH\HAZEN-PWD\02198801E-04 Saved by ANDRIAPRIOR Save date: 5/19/2023 2:04 PM  
PLOT DATE: 5/19/2023 2:04 PM BY: ANDRIAPRIOR

				PROJECT ENGINEER:	S. GHU
				DESIGNED BY:	P. GIORSETTO
				DRAWN BY:	A. PRIOR
				CHECKED BY:	M. ERWIN
				IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1" 
REV	ISSUED FOR	DATE	BY		

100% DESIGN DRAWING  
DO NOT USE FOR  
CONSTRUCTION



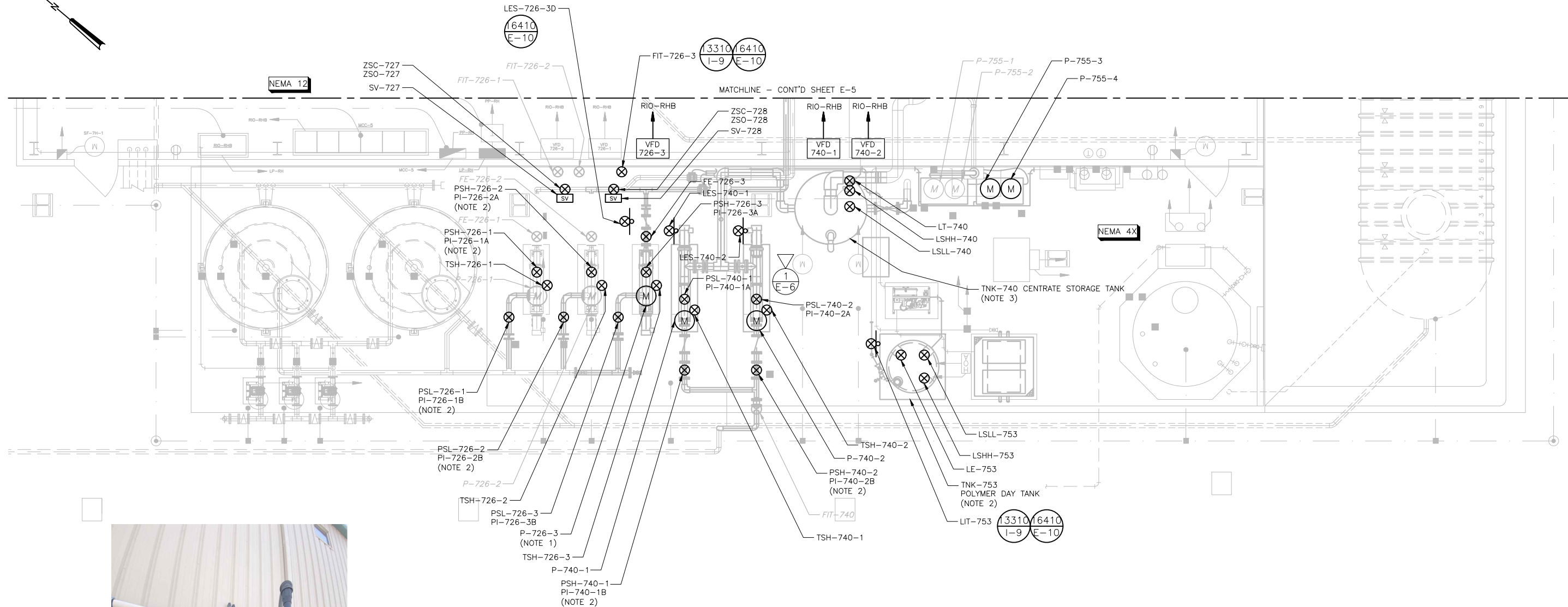
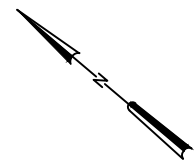
**Hazen**  
HAZEN AND SAWYER  
11260 EL CAMINO REAL, SUITE 102  
SAN DIEGO, CALIFORNIA 92130

OLIVENHAIN MUNICIPAL WATER DISTRICT  
ENCINITAS, CALIFORNIA

DCM WTP STAGE 4 PROCESS UPGRADES

ELECTRICAL  
RESIDUALS HANDLING BLDG INT. LEVEL -  
POWER AND SIGNAL PLAN

DATE:	MAY 2023
HAZEN NO.:	20102-002
CONTRACT NO.:	1
DRAWING NUMBER:	




EXISTING CENTRATE TANK  
PHOTO 1  
SCALE: NTS

CHEMICAL FEED AREA - POWER AND SIGNAL PLAN

- NOTES:
1. RELOCATE AND INSTALL EXISTING CENTRATE PUMP #3 P-740-1 AS NEW CENTRIFUGE FEED PUMP P-726-3.
  2. REPLACE EXISTING INSTRUMENTATION WITH NEW. REUSE EXISTING CONDUIT AND WIRE.
  3. EXISTING CENTRATE TANK REPLACED WITH NEW. PROVIDE NEW INSTRUMENTATION FOR NEW TANK. PROTECT EXISTING CONDUIT STUB-UPS IN PLACE AT BASE OF EXISTING PAD - REFER TO PHOTO ON THIS SHEET. PROVIDE CONDUIT MOUNTING ANCHORED TO THE EXISTING PAD SIMILAR TO DETAIL 16131 SHEET E-10.



File: C:\BISHAZEN\PROJECTS\19880\19880.dwg Saved by BEEVUE Save date: 5/30/2023 6:36 PM  
PLOT DATE: 5/30/2023 6:37 PM BY: BEEVUE

				PROJECT ENGINEER:	S. GHU
				DESIGNED BY:	P. GIORSETTO
				DRAWN BY:	A. PRIOR
				CHECKED BY:	M. ERWIN
				IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1" 
REV	ISSUED FOR	DATE	BY		

100% DESIGN DRAWING  
DO NOT USE FOR  
CONSTRUCTION



**Hazen**  
HAZEN AND SAWYER  
11260 EL CAMINO REAL, SUITE 102  
SAN DIEGO, CALIFORNIA 92130

OLIVENHAIN MUNICIPAL WATER DISTRICT  
ENCINITAS, CALIFORNIA

DCM WTP STAGE 4 PROCESS UPGRADES

ELECTRICAL  
CHEMICAL FEED AREA -  
POWER AND SIGNAL PLAN

DATE:	MAY 2023
HAZEN NO.:	20102-002
CONTRACT NO.:	1
DRAWING NUMBER:	E-6

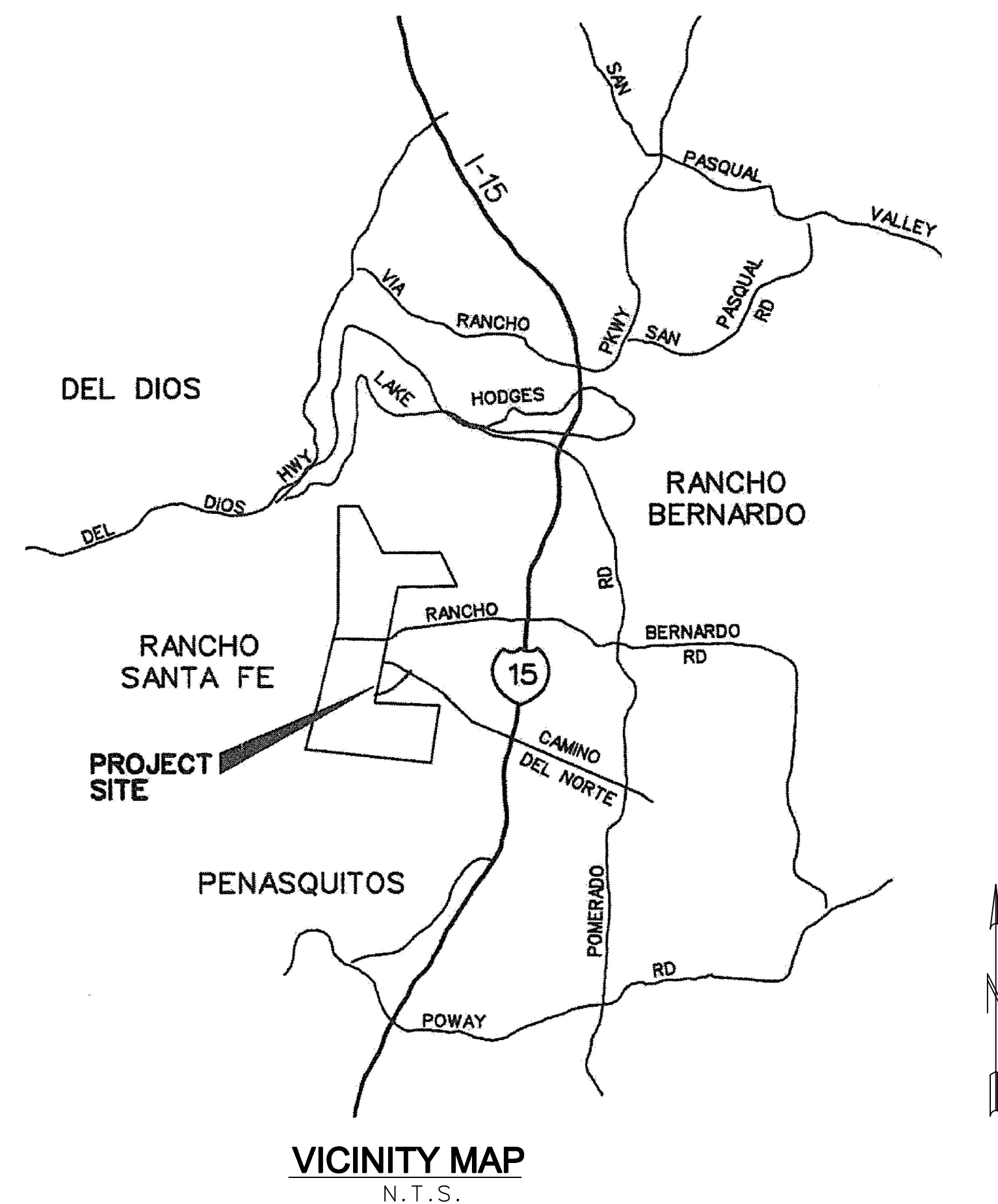


# PLANS FOR THE CONSTRUCTION OF 4S RANCH WRF HEADWORKS SCREENING SYSTEM, OFF-SPEC AND WET WEATHER DIVERSION, AND STRAINER IMPROVEMENTS

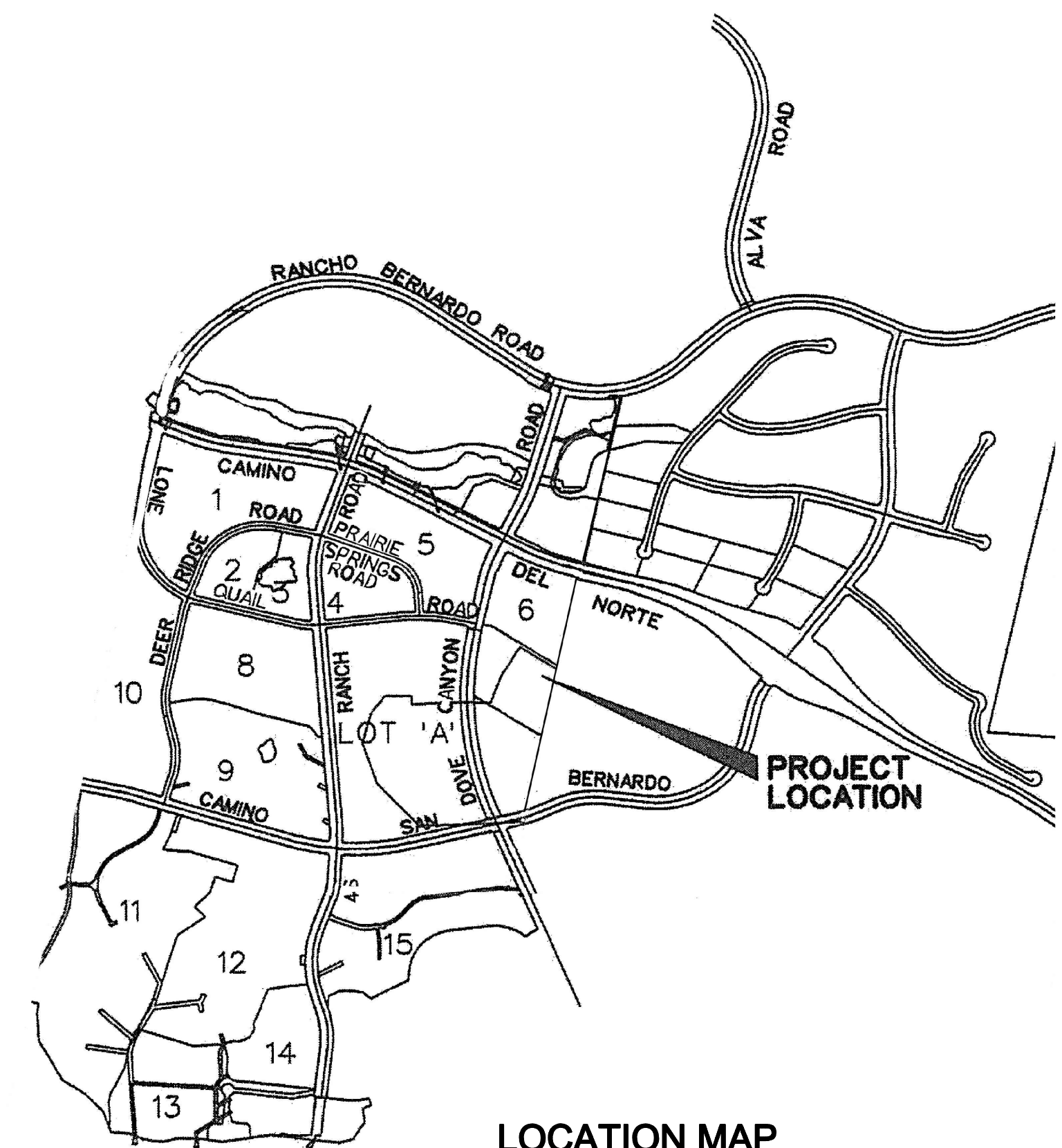
AUGUST 2023  
OMWD PROJECT NUMBER  
W700025

OLIVENHAIN MUNICIPAL WATER DISTRICT  
1966 OLIVENHAIN ROAD  
ENCINITAS, CA, 92024  
(760) 753-6466

**BOARD OF DIRECTORS**  
CHRISTY GUERIN- President  
MATTHEW R. HAHN - Vice President  
NEAL MEYERS - Treasurer  
LAWRENCE A. WATT - Secretary  
MARCO SAN ANTONIO - Director



**VICINITY MAP**  
N.T.S.



**LOCATION MAP**  
N.T.S.  
16595 DOVE CANYON ROAD  
SAN DIEGO, CA. 92127

90% PROGRESS SET  
NOT FOR CONSTRUCTION



DESIGN	PG	DRAWN	NH	CHECK	MM	MARK	DATE	BY	REVISIONS

PLANS PREPARED BY:  
**DUDEK**  
605 Third Street Encinitas, CA 92024  
760.942.5147 Fax 760.632.0164

**OLIVENHAIN**  
Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024 (760) 753-6466

4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS  
TITLE SHEET AND VICINITY MAP

SHEET  
1 OF 39  
DRAWING  
G-1

W700025

ORIGINAL SCALE IN INCHES

LINDSEY STEPHENSON, P.E.  
ENGINEERING MANAGER

R.C.E. C80453  
EXPIRES 03/31/25

DATE



P: \\101.Engineering\Olivenhain MWD\13495 - 4S Ranch WRF Headworks Screening Sys Improvements\G-CAD\13495 SH02 G-2 8/11/2023 3:51 PM

GENERAL NOTES :

1. APPLICABLE LAWS: CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE GOVERNMENTAL AND LOCAL LAWS, REGULATIONS, AND ORDINANCES WITH REGARD TO TRAFFIC SAFETY, WORK HOURS, OPERATING HOURS, NOISE AND AIR POLLUTION, AND SANITARY CONDITIONS.
2. DIMENSIONS AND ELEVATIONS: LOCATION, DIMENSION, AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK OF THIS CONTRACT SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK, INCLUDING PROCUREMENT. ALL DISCREPANCIES SHALL BE REPORTED TO THE OWNER REPRESENTATIVE WITHIN 48 HOURS.
3. SAFETY:

A. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT IS NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THIS WORK, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

B. CONTRACTOR SHALL COMPLY WITH THE REGULATIONS OF THE GENERAL CONSTRUCTION SAFETY ORDERS AND TRENCH CONSTRUCTION SAFETY ORDERS, STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF OCCUPATIONAL HEALTH AND SAFETY (CAL-OSHA). CONTRACTOR SHALL PRESENT EVIDENCE OF COMPLIANCE INCLUDING PERMITS FOR TRENCHING OVER FIVE FEET IN DEPTH TO THE OWNER PRIOR TO CONSTRUCTION.

C. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF LOCAL, CITY, COUNTY, AND FEDERAL REGULATIONS CONCERNING CONFINED SPACE ENTRY.
4. PRESERVING MONUMENTS AND BENCHMARKS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED AS REQUIRED BY THE LAND SURVEYOR’S ACT.
5. RECORD DRAWINGS:

A. THE CONTRACTOR SHALL MAINTAIN CURRENT BLACKLINE DRAWINGS DURING CONSTRUCTION NEATLY MARKED IN RED INK TO REFLECT THE AS-BUILT CONDITIONS. CONTRACTOR SHALL MAKE UPDATES TO THE AS-BUILT DRAWINGS ON A DAILY BASIS. AS-BUILT DOCUMENTS SHALL BE MAINTAINED ON SITE AT ALL TIMES.

B. AS-BUILT DRAWINGS SHALL INCLUDE ANY DEVIATION FROM PLANS INCLUDING PIPELINE LINE AND GRADE AND SUB-GRADE UTILITY LOCATIONS AND SIZE.

C. CURRENT AS-BUILT DRAWINGS SHALL BE A CONDITION OF MONTHLY PROGRESS PAYMENT. CONTRACTOR SHALL REVIEW AS-BUILT DRAWINGS WITH THE OWNER PRIOR TO SUBMITTING PROGRESS PAYMENT REQUEST.

D. AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO RELEASE OF RETENTION.
6. JOB-SITE CONDITIONS:

A. UPON COMPLETION OF EACH DAY’S WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING THE WORK AREA SECURE AND FREE OF HAZARDS. THE CONTRACTOR SHALL PROVIDE NECESSARY TEMPORARY SIGNS, WARNING DEVICES, AND BARRICADES. TEMPORARY ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROCESSES DURING NON-CONSTRUCTION HOURS.

B. THE EXISTING FACILITY MUST REMAIN IN OPERATION FOR THE DURATION OF THE WORK. THE CONTRACTOR SHALL COORDINATE ALL ON-SITE ACTIVITIES WITH THE OWNER OPERATIONS STAFF. ACCESS SHALL BE PROVIDED FOR OPERATIONS AND MAINTENANCE PURPOSES. CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 01142 FOR CONSTRUCTION SEQUENCING AND MAINTENANCE OF PLANT OPERATION.

C. THE CONTRACTOR SHALL PROTECT ALL EXPOSED AREAS OF THE SITE DURING THE CONSTRUCTION PERIOD AGAINST DAMAGE. ANY AND ALL SITE DAMAGE FROM THE CONTRACTOR’S ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE OWNER.

D. CONTRACTOR SHALL PROVIDE MINIMUM 10-DAYS NOTICE TO THE OWNERS PROJECT MANAGER FOR ANY TIE-INS OR SHUT-DOWNS REQUIRED FOR EXECUTION OF WORK.
7. PERMITS:

A. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR COMPLETION OF WORK.
8. POTHOLING AND UTILITY MARKOUTS:

A. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT TWO (2) WORKING DAYS PRIOR TO STARTING EXCAVATION SO THAT EXISTING UNDERGROUND UTILITIES MAY BE MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. (UNDERGROUND SERVICE ALERT : 1-800-227-2600)

B. LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AND APPURTENANCES SHALL BE CONFIRMED BY FIELD MEASUREMENTS AND EXCAVATION EXPLORATION (POTHOLING) BY THE CONTRACTOR.

GENERAL MECHANICAL NOTES :

1. FOR PIPE 3” DIAMETER AND LARGER, PROVIDE INSULATING FLANGE KIT AT ALL DISSIMILAR PIPE CONNECTIONS. FOR PIPE 2.5” DIAMETER AND SMALLER, PROVIDE DIELECTRIC UNION AT ALL DISSIMILAR PIPE CONNECTIONS.
2. SEE DRAWINGS G-4 FOR PIPE MATERIAL SCHEDULE AND G-3 FOR PIPE SERVICE ABBREVIATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO FABRICATION OF PIPING OR ORDERING EQUIPMENT.
4. NUMBER AND LOCATION OF UNIONS SHOWN ON DRAWINGS IS ONLY APPROXIMATE. PROVIDE ALL UNIONS NECESSARY TO FACILITATE CONVENIENT REMOVAL OF VALVES.
5. SIZE OF FITTINGS SHOWN ON THE DRAWINGS SHALL CORRESPOND TO THE ADJACENT STRAIGHT RUN OF PIPE, UNLESS OTHERWISE NOTED.
6. ALL FLEXIBLE CONNECTORS, COUPLING ADAPTERS, AND MECHANICAL JOINTS SHALL BE PROVIDED WITH THRUST RESTRAINT, UNLESS OTHERWISE NOTED. THRUST RESTRAINT SHALL BE ADEQUATE FOR TEST PRESSURE SPECIFIED.
7. WHERE A GROOVED COUPLING IS SHOWN IT SHALL BE RIGID JOINT TYPE, UNLESS OTHERWISE NOTED.
8. LAY ALL PIPE WITHOUT SAGS OR HIGH POINTS AND TO UNIFORM GRADE BETWEEN ELEVATION POINTS.

PIPE SUPPORT NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, SIZING, SPACING AND LOCATING SUPPORTS AND ANCHOR BOLTS FOR ALL ABOVE GRADE PIPING WHETHER OR NOT SUPPORTS ARE SHOWN ON DRAWINGS.
2. SUBMITTALS FOR PIPE SUPPORTS SHALL BE PROVIDED BY A LICENSED ENGINEER IN STATE OF CALIFORNIA.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO FABRICATION OF PIPE SUPPORTS. PIPE SUPPORTS SHALL BE FABRICATED TO DIMENSIONS OR LIMITATIONS INDICATED ON THE PLANS, UNLESS OTHERWISE NOTED.
4. MAXIMUM PIPE SUPPORT SPACING SHALL BE 10’-0” (UON) CONTRACTOR SHALL PROVIDE ADDITIONAL PIPE SUPPORTS TO THOSE INDICATED ON THE PLANS TO NOT EXCEED MAXIMUM SUPPORT SPACING.
5. ALL PIPE SUPPORT MATERIALS OF CONSTRUCTION SHALL BE TYPE 316 STAINLESS STEEL.
6. ALL PIPE SUPPORT ANCHORS AND FASTENING HARDWARE SHALL BE TYPE 316 STAINLESS STEEL.
7. TEMPORARILY REMOVE PIPE CLAMPS AND HANGERS PRIOR TO PAINTING PIPE.
8. PIPE SUPPORTS TO BE LOCATED MAX OF 9” FROM FLANGES OR BOLT CONNECTIONS.

DRAWING INDEX

SHEET NUMBER	DRAWING NUMBER	TITLE
1 2 3 4 5 6	<u>GENERAL</u>	
	G-1	TITLE SHEET AND VICINITY MAP
	G-2	NOTES AND DRAWING INDEX
	G-3	ABBREVIATIONS
	G-4	SYMBOLS AND SCHEDULES
	G-5 G-6	SITE PLAN AND CONTRACTOR STAGING PLAN HYDRAULIC PROFILE
7 8	<u>DEMOLITION</u>	
	D-1 D-2	HEADWORKS BUILDING PLAN NPW PUMP STATION
9 10 11 12 13 14	<u>STRUCTURAL</u>	
	S-1	GENERAL STRUCTURAL NOTES
	S-2	CONCRETE REPAIR NOTES AND DETAILS
	S-3	HEADWORKS BUILDING CONCRETE REPAIR PLAN
	S-4	HEADWORKS BUILDING NEW PLAN
	S-5 S-6	STRUCTURAL DETAILS 1 STRUCTURAL DETAILS 2
15 16 17 18 19 20 * 21 22 23 24	<u>MECHANICAL</u>	
	M-1	GENERAL NOTES AND EQUIPMENT LIST
	M-2	BY-PASS PUMPING PLAN
	M-3	HEADWORKS BUILDING PLAN
	M-4	HEADWORKS BUILDING SECTION – 1
	M-5	HEADWORKS BUILDING SECTION – 2
	M-6	HEADWORKS BUILDING SECTIONS – 3
	M-7	HEADWORKS BUILDING SECTIONS – 4
	M-8	NPW PLAN AND SECTIONS
	M-9	FILTER INFLUENT PS PLAN AND SECTION
25 26 27 * 28	M-10	OXIDATION DITCH AND SECONDARY SPLITTER BOX PLAN AND SECTION
	M-11	YARD PIPING PLAN
	M-12	MECHANICAL DETAILS – 1
	M-13 M-14	MECHANICAL DETAILS – 2 MECHANICAL DETAILS – 3
29 30 31 32 33 34 35 36 37	<u>ELECTRICAL</u>	
	E-1	STANDARD ELECTRICAL SYMBOLS AND ABBREVIATIONS
	E-2	SITE ELECTRICAL PLAN – NORTH
	E-3	SITE ELECTRICAL PLAN – SOUTH
	E-4	SINGLE LINE DIAGRAM MCC – 6M
	E-5	SINGLE LINE DIAGRAM MCC – 7M
	E-6	HEADWORKS ELECTRICAL DEMOLITION PLAN
	E-7	HAEDWORKS ELECTRICAL AND CONTROLS PLAN
	E-8	NPW ELECTRICAL DEMOLITION PLAN
	E-9	NPW ELECTRICAL AND CONTROLS PLAN
38 39	<u>PROCESS AND INSTRUMENTATION</u>	
	I-1	P&ID SYMBOLS AND ABBREVIATIONS
	I-2	PROCESS & INSTRUMENTATION DIAGRAM

\* NOT A PART OF SUBMITTAL

DRAWING DISCIPLINE CODE

G	GENERAL
D	DEMOLITION
S	STRUCTURAL
M	MECHANICAL
E	ELECTRICAL
I	PROCESS AND INSTRUMENTATION

90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS

SHEET  
2 OF 39

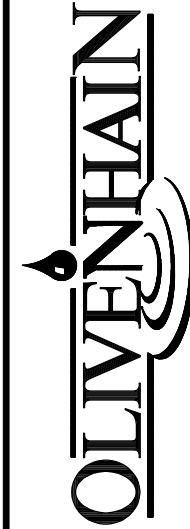
NOTES AND DRAWING INDEX

W700025

PLANS PREPARED BY:

**DUDEK**

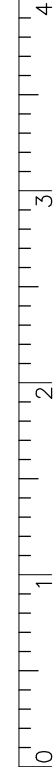
605 Third Street Encinitas, CA 92024  
760.942.5147 fax 760.632.0164

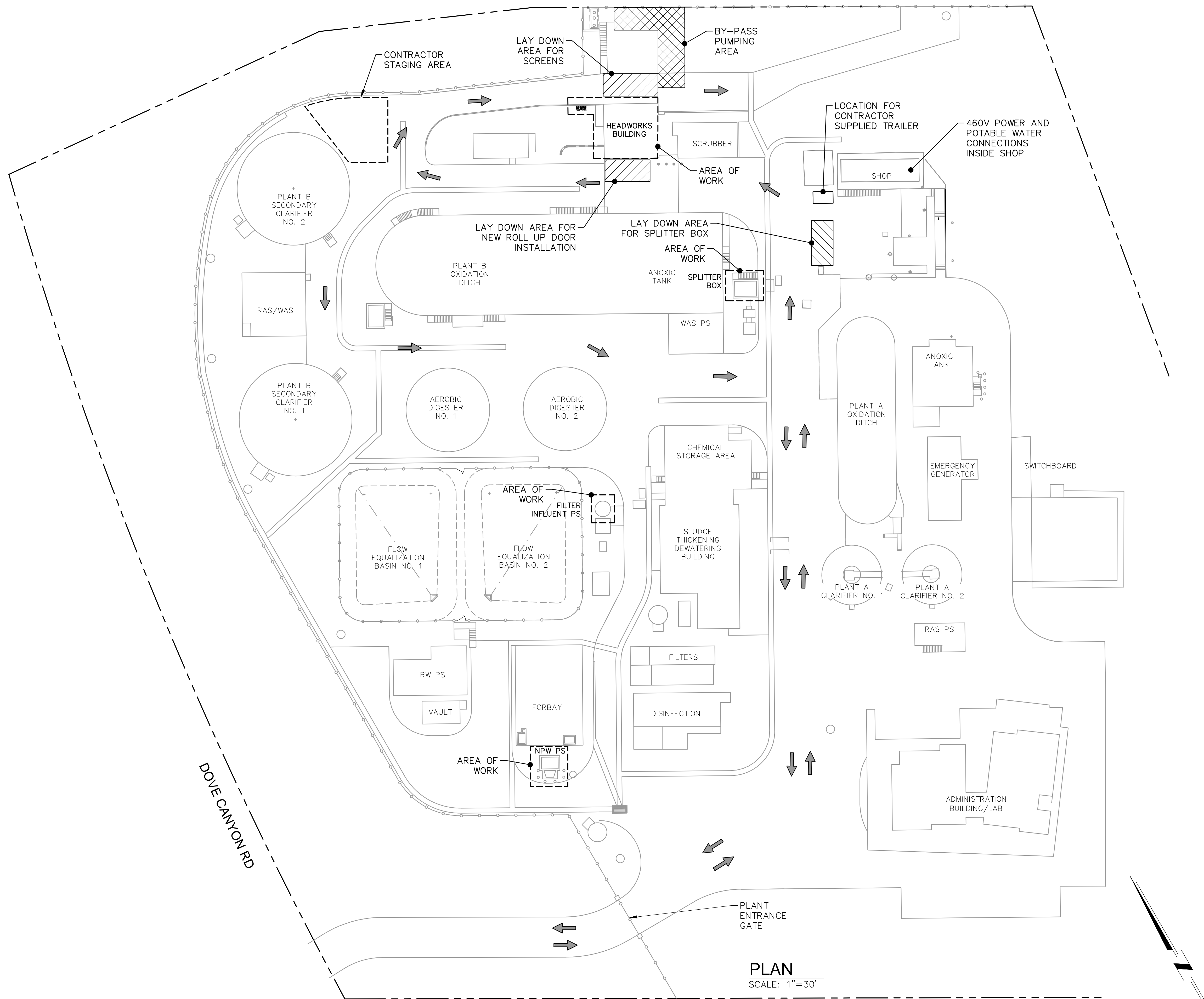


Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024

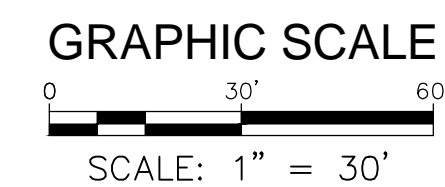
(760)753-6466

ORIGINAL SCALE IN INCHES





**PLAN**  
SCALE: 1"=30'



90% PROGRESS SET  
NOT FOR CONSTRUCTION



## 4S RANCH WRF HEADWORKS SCREENING SYSTEM IMPROVEMENTS

## SITE PLAN AND CONTRACTOR STAGING AREA

SHEET  
5 OF 39

DRAWING  
**G-5**

W700025

PLANS PREPARED BY:

**DUDEK**

605 Third Street Encinitas, CA 92024  
760.942.5147 Fax 760.632.0164

**OLIVENHAIN**  
Municipal Water District  
1966 Olivenhain Road  
San Diego, CA 92084 (619) 575-2

ORIGINAL SCALE IN INCHES

[illegible]







P:\101.Engineering\Olivenhain MWD\13495 - 4S Ranch WRF Headworks Screening Sys Improvements\6-CAD\13495 SH08 D-2 8/10/2023 11:35 AM

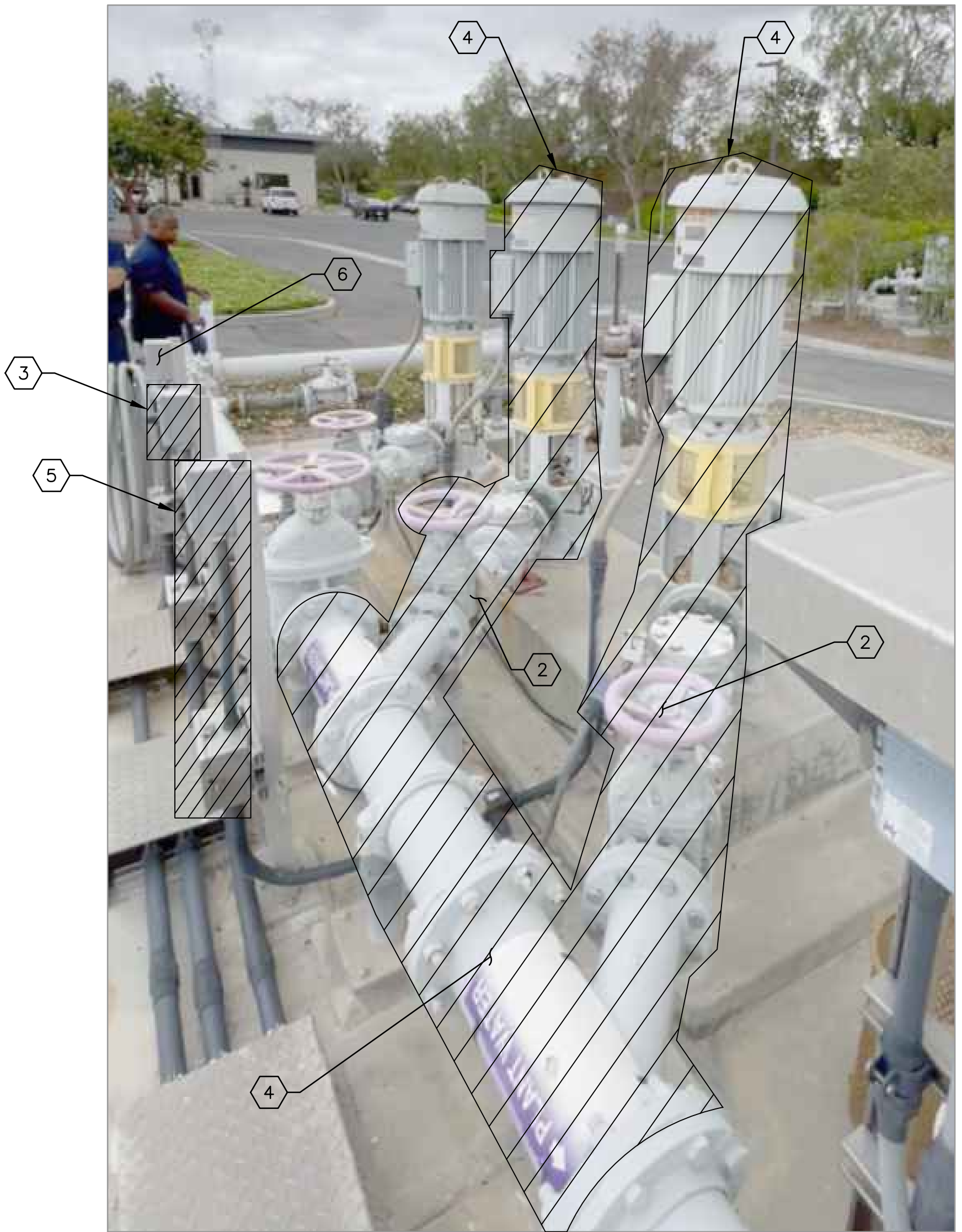


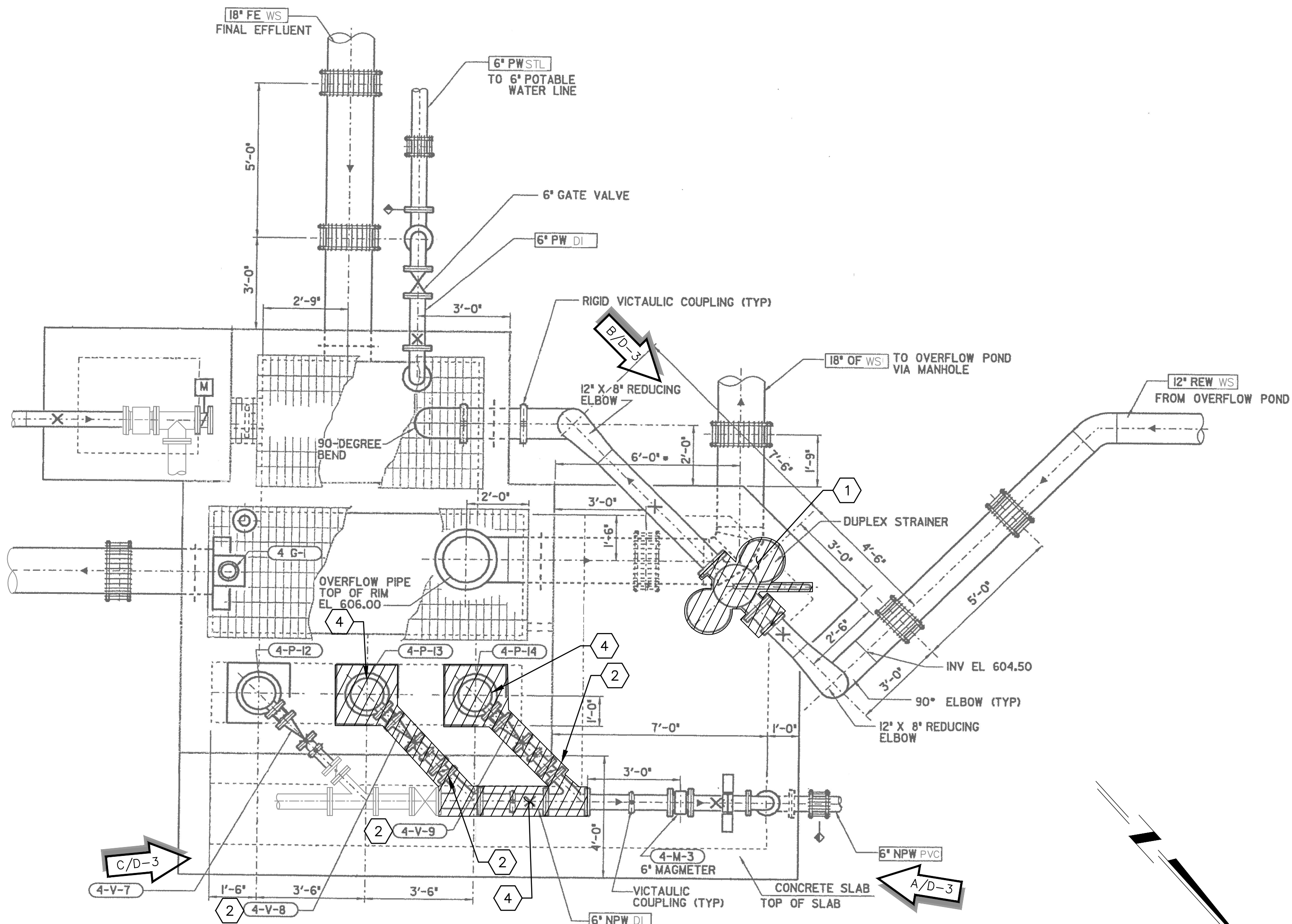
PHOTO A



PHOTO C



PHOTO B



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

NOTES:

1. ALL EXISTING ITEMS, CALLED OUT OR NOT, SHALL BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.
2. ALL FACILITIES SHOWN ON THIS DRAWING ARE EXISTING AND ARE REPRESENTED BASED ON REVIEW OF AVAILABLE RECORD DRAWINGS AND DESIGN DRAWINGS. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
3. THE DRAWINGS ARE NOT INTENDED TO ITEMIZE OR LIMIT DEMOLITION AND THE CONTRACTOR SHALL CONSIDER THE SCOPE IN THE CONTEXT OF THE NEW WORK DEFINED ELSEWHERE IN THE CONTRACT DOCUMENTS AND BASED ON SITE INVESTIGATIONS.
4. WHERE PIPING, EQUIPMENT, OR PANELS ARE CALLED OUT FOR REMOVAL, REMOVE AND DISPOSE OF ALL FITTINGS, SUPPORTS, ANCHORS, AND APPURTENANCES UNLESS OTHERWISE NOTED.

DEMOLITION LEGEND:

- 1 REMOVE AND DISPOSE OF EXISTING DUPLEX STRAINER BETWEEN THE FLANGE AND COUPLING
- 2 SALVAGE AND RETURN TO PLANT STAFF EXISTING GATE AND CHECK VALVE
- 3 REMOVE AND DISPOSE OF EXISTING HOA SWITCH AND JUNCTION BOX. MAINTAIN EXISTING SUPPORT AND REUSE FOR NEW HOA SWITCH
- 4 REMOVE AND DISPOSE OF EXISTING VERTICAL TURBINE PUMPS AND ALL ASSOCIATED PIPING INCLUDING SUCTION PIPING INSIDE THE WET WELL (4-P-13 AND 4-P-14)
- 5 REMOVE AND DISPOSE OF EXISTING HOA SWITCH AND EXISTING SUPPORT
- 6 EXISTING HOA SWITCH AND EXISTING SUPPORT TO REMAIN

GRAPHIC SCALE  
0 1' 2' 4' 6'  
SCALE: 3/8"=1'-0"

90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS

SHEET  
8 OF 39

W700025

NPW PUMP STATION

DRAWING  
D-2

PLANS PREPARED BY:

**DUDEK**  
605 Third Street Encinitas, CA 92024  
760.942.3147 Fax 760.632.0164

**OLIVENHAIN**

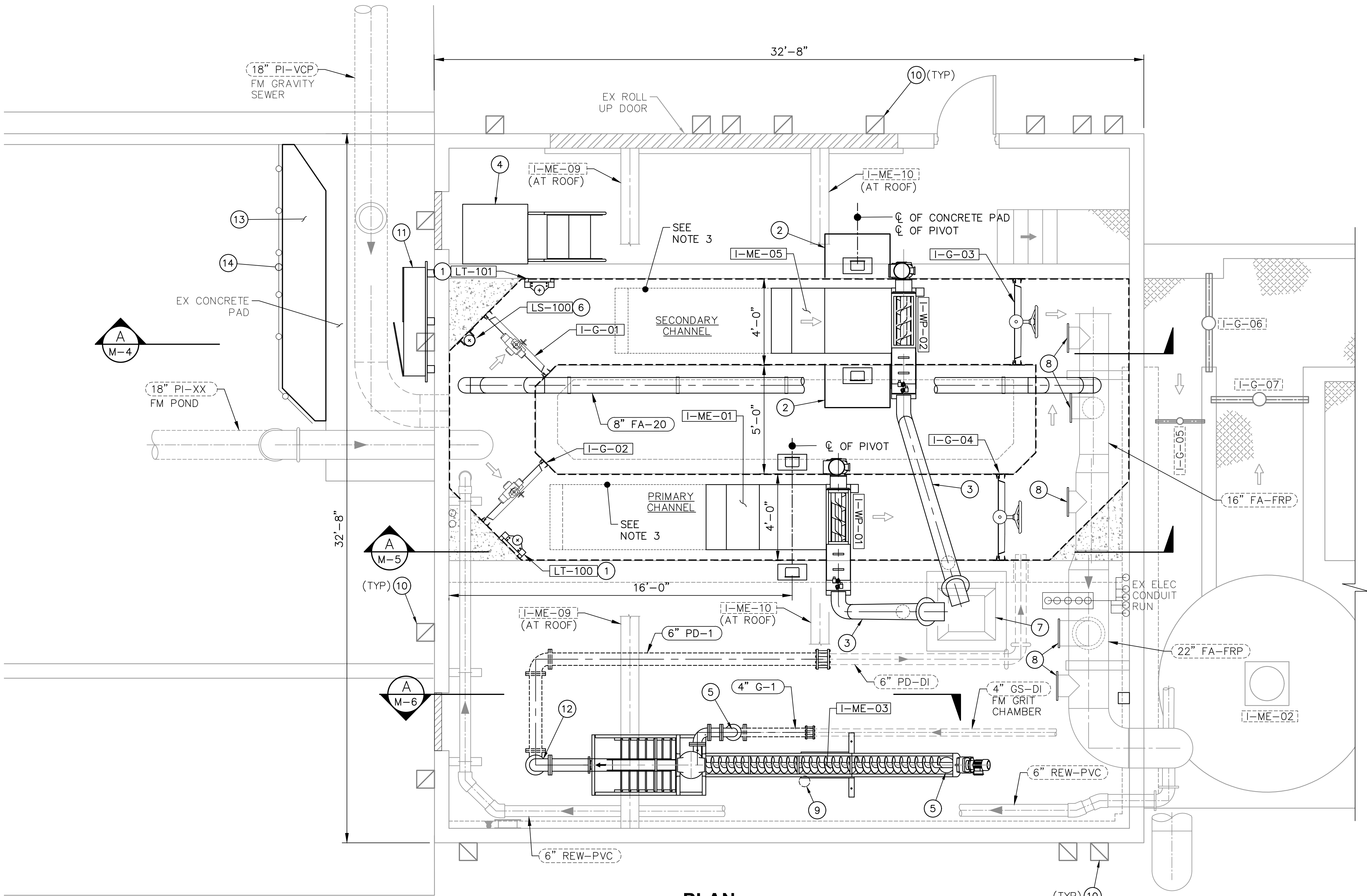
Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024 (760)753-6466

DESIGN PG  
DRAWN NH  
CHECK MM  
MARK DATE BY REVISIONS

ORIGINAL SCALE IN INCHES



P: \\101.Engineering\Olivenhain MWD\13495 - 4S Ranch WRF Headworks Screening Sys Improvements\6-CAD\13495 SH17-21 M-03 to M-07 8/11/2023 8:58 AM



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

**CONSTRUCTION LEGEND**

- 1 LEVEL TRANSMITTER INSIDE 6" PVC STILLING WELL PER ELECTRICAL
- 2 CONCRETE WALL MODIFICATIONS PER STRUCTURAL DWGS
- 3 8" TO 10" SST DISCHARGE PIPE PER MANUFACTURER
- 4 PORTABLE ALUMINUM STAIR
- 5 EXISTING FLOOR PENETRATION
- 6 LEVEL SWITCH PER ELECTRICAL
- 7 EXISTING DROP CHUTE TO LOWER LEVEL
- 8 INSTALL NEW ODOR CONTROL REGISTER COVERS AND GRILLS. SOME REGISTER COVERS AND GRILLES ARE LOCATED IN THE DUMPSTER ROOM BELOW
- 9 CAP AND SEAL EX FLOOR PENETRATION WITH NON-SHRINK GROUT
- 10 VERIZON AND AT&T SATELLITES MOUNTED ON THE OUTSIDE WALLS OF THE HEADWORKS BUILDING TO REMAIN IN PLACE AND OPERATIONAL AT ALL TIMES.
- 11 MECHANICAL SCREEN LCP PER ELECTRICAL DWGS
- 12 PIPE PENETRATION PER DTL 5 ON DWG M-12
- 13 CONCRETE MODIFICATIONS PER STRUCTURAL DWGS
- 14 ALUMINUM HANDRAIL PER SPECIFICATION SECTION 05521

**NOTES:**

1. SEE PIPING SCHEDULE ON DWG G-4 FOR PIPE AND FITTING SPECIFICATIONS.
2. FOR EQUIPMENT LIST SEE DWG M-1
3. INDICATED LIMITS OF SCREEN PIVOTED OUT OF CHANNEL

GRAPHIC SCALE  
0 1' 2' 4' 6'  
SCALE: 3/8"=1'-0"

90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS

HEADWORKS BUILDING PLAN

SHEET  
17 OF 39

DRAWING  
M-3

W700025

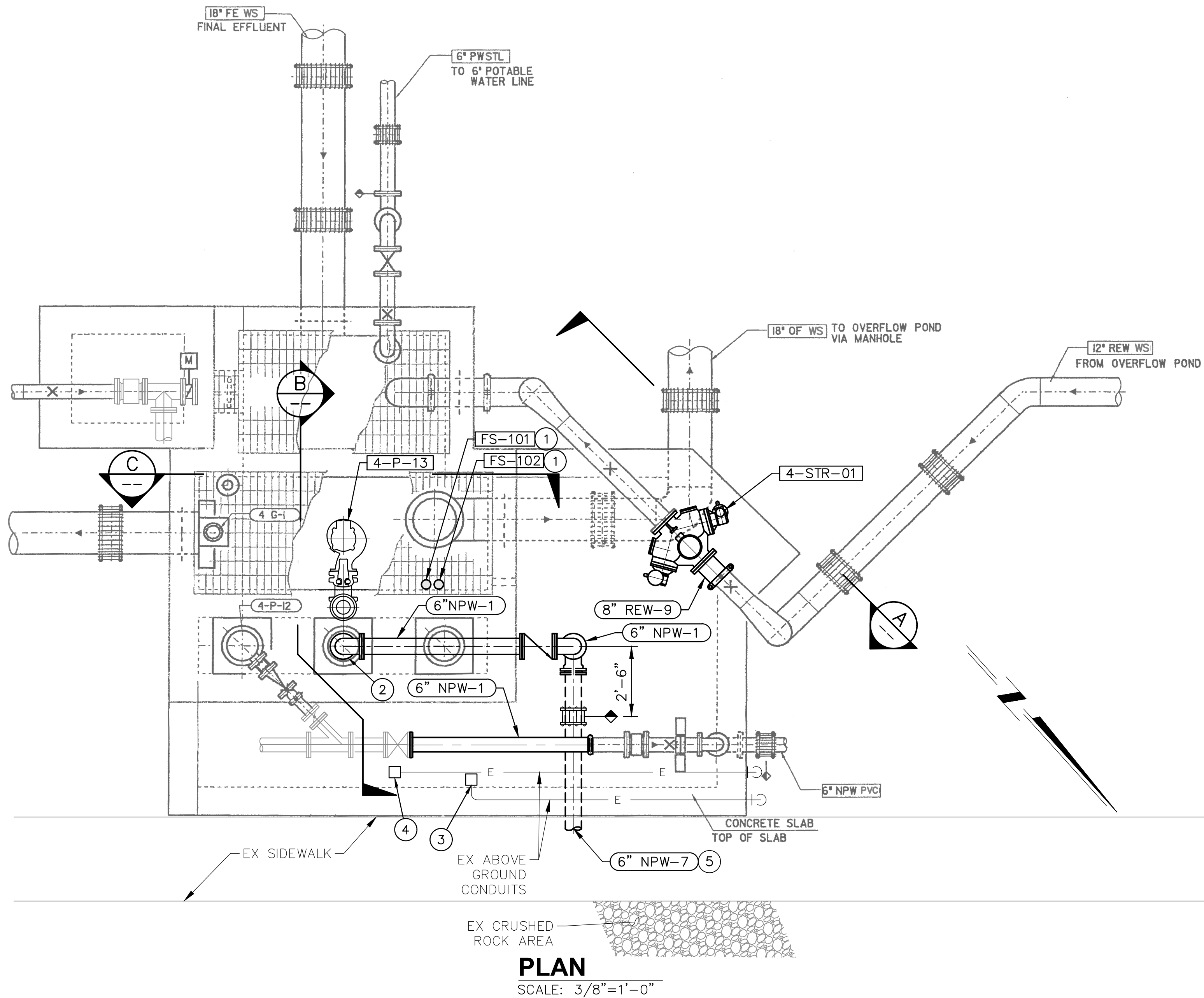
PLANS PREPARED BY:  
**DUDEK**  
605 Third Street Encinitas, CA 92024  
760.942.5147 Fax 760.632.0164

**OLIVENHAIN**  
Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024 (760) 753-6466

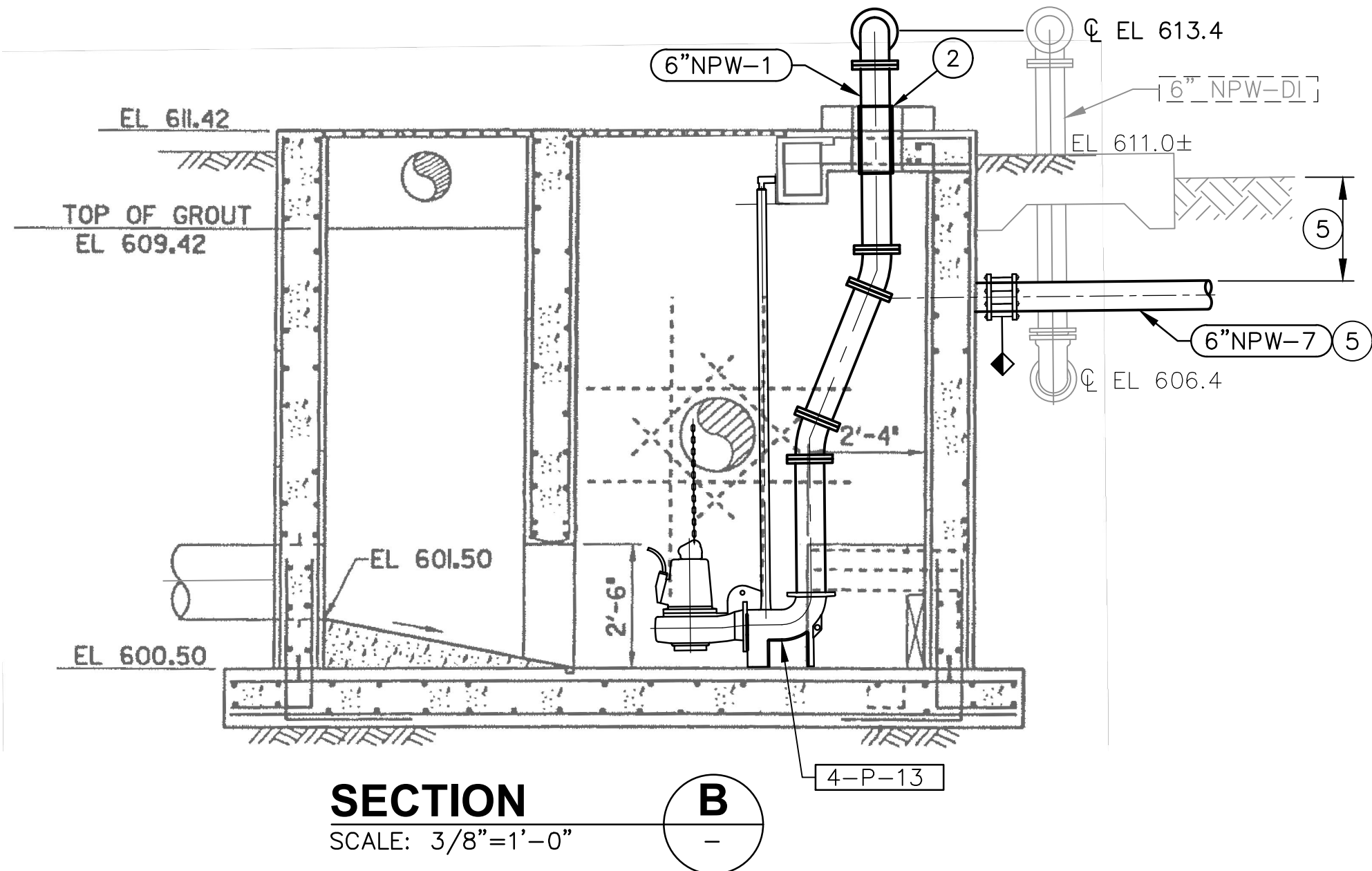
DESIGN	PG	DRAWN	NH	CHECK	MM	MARK	DATE	BY	REVISIONS

ORIGINAL SCALE IN INCHES

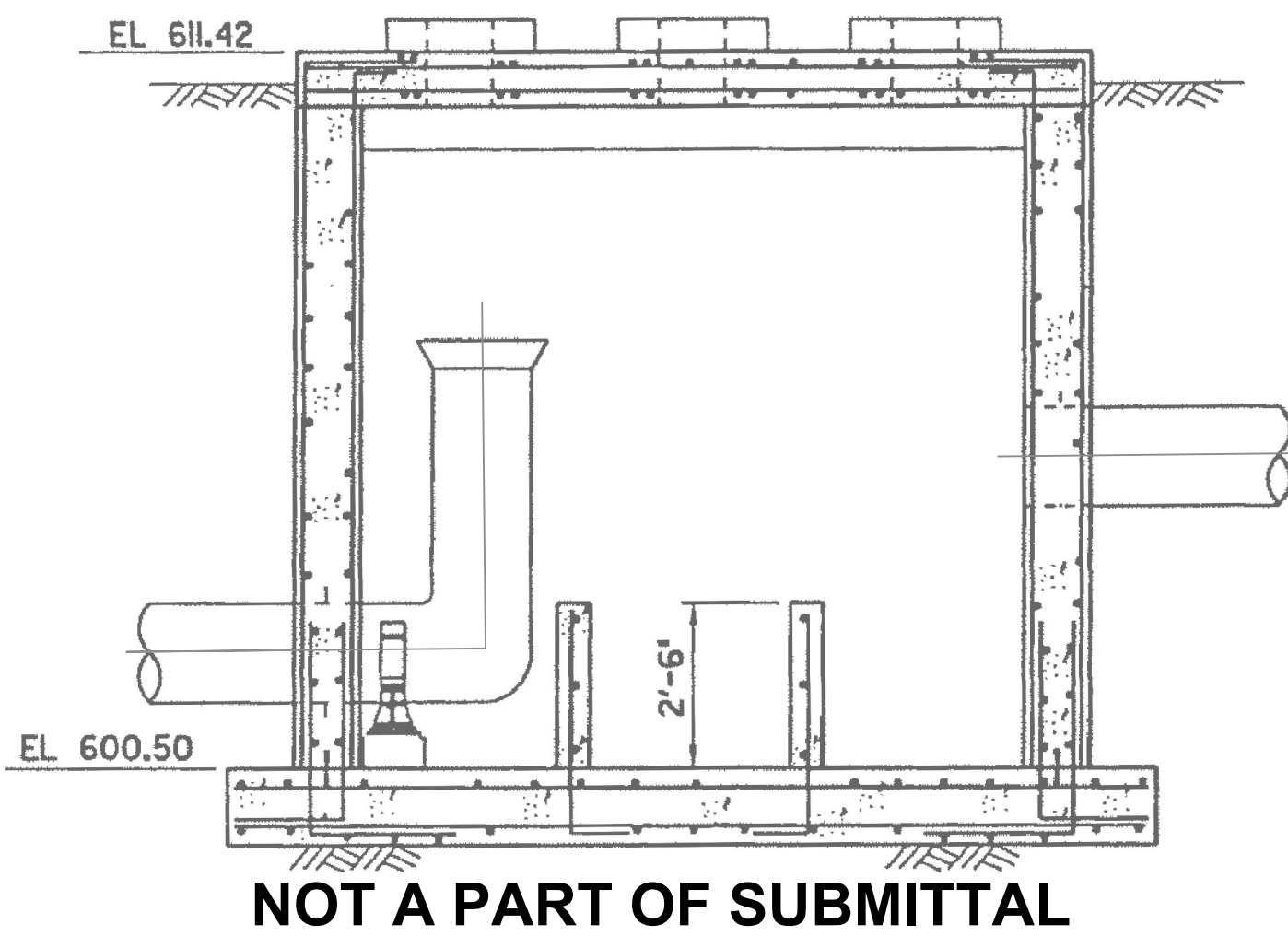
P:\101.Engineering\Olivenhain MWD\13495 - 4S Ranch WRF Headworks Screening Sys Improvements\G-CAD\13495 SH22 M-8 8/10/2023 11:24 AM



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

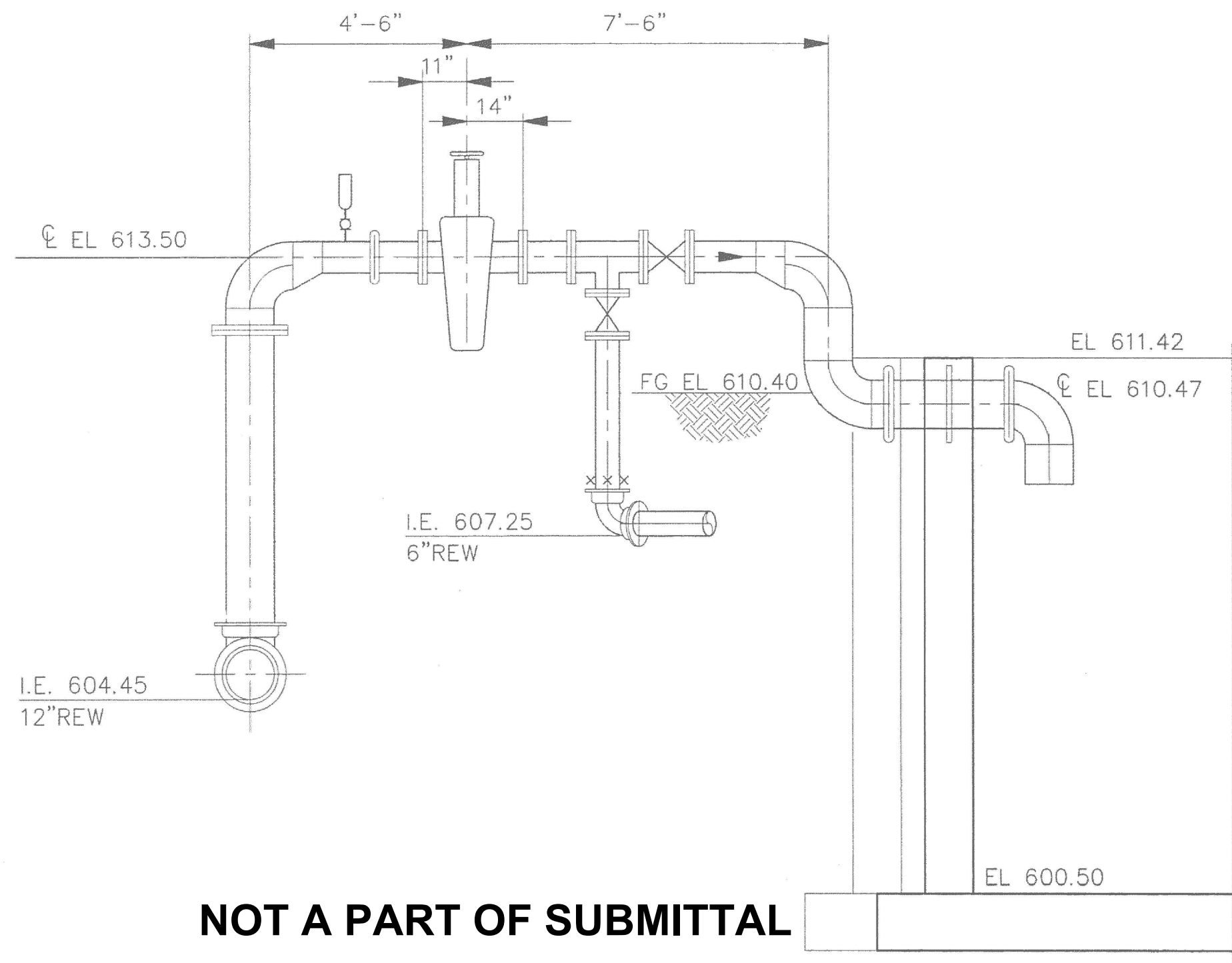


**SECTION B**  
SCALE: 3/8"=1'-0"



**NOT A PART OF SUBMITTAL**

**SECTION C**  
SCALE: 3/8"=1'-0"



**NOT A PART OF SUBMITTAL**

**SECTION A**  
SCALE: 3/8"=1'-0"

**CONSTRUCTION LEGEND**

- 1 FLOAT SWITCH PER ELECTRICAL DWGS
- 2 PIPE PENETRATION PER DTL 5 ON DWG M-12
- 3 AUTOMATIC STRAINER CONTROL PANEL PER ELECTRICAL DWGS
- 4 NEW HOA SWITCH PER ELECTRICAL DWGS
- 5 ALL BELOW GRADE PIPES SHALL BE INSTALLED AT MAXIMUM OF 2-FT COVER AND ENCASED IN CLSM. SEE DRAWING M-11 FOR CONTINUATION OF PIPE

**NOTES:**

1. SEE PIPING SCHEDULE ON DWG G-4 FOR PIPE AND FITTING SPECIFICATIONS.
2. FOR EQUIPMENT LIST SEE DWG M-1
3. CONTRACTOR TO VERIFY FIELD CONDITIONS AND DIMENSIONS AND NOTIFY DISTRICT OF ANY DISCREPANCIES.

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

90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS

NPW PLAN AND SECTIONS

SHEET 220F 39  
DRAWING M-8

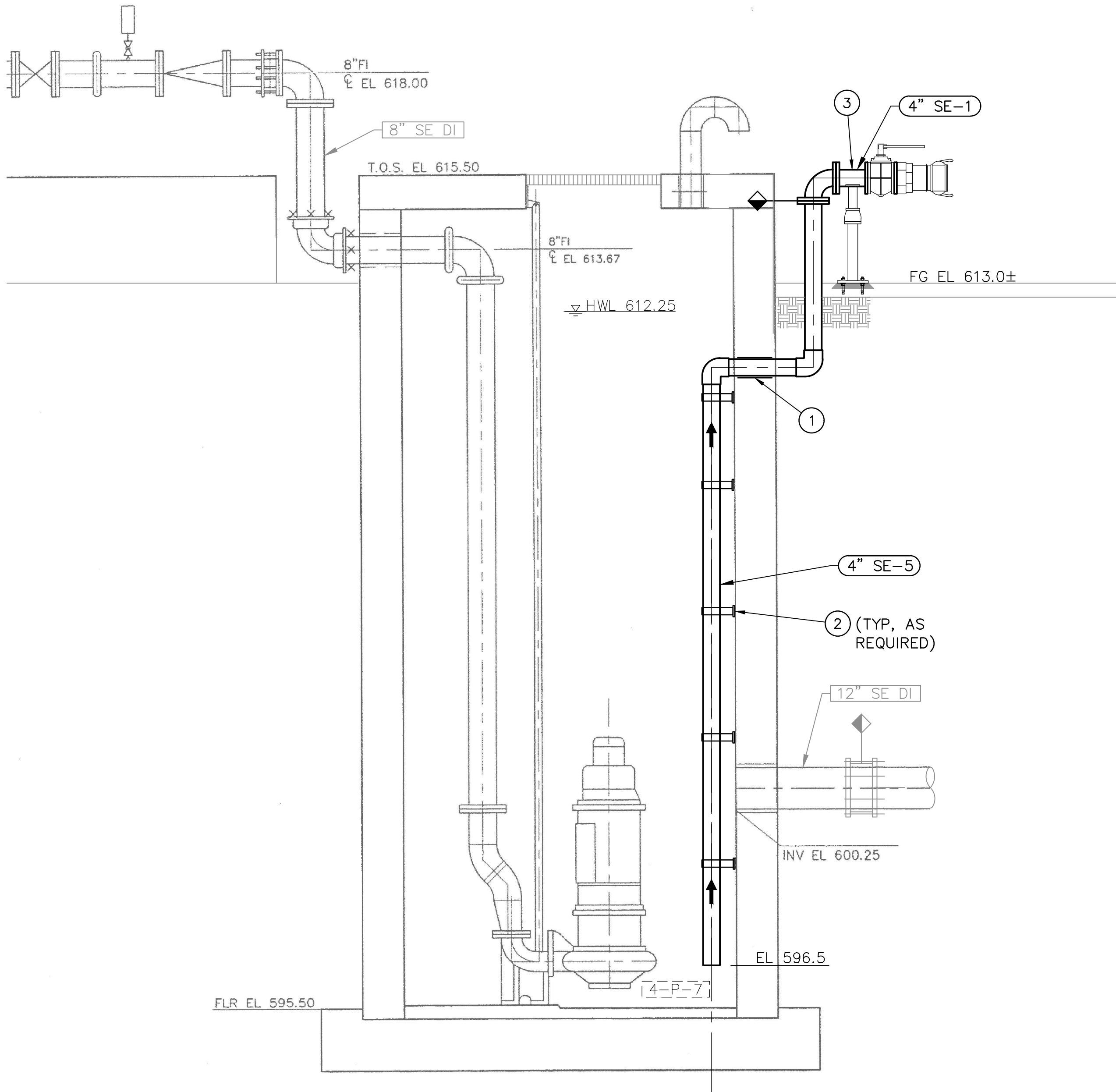
W700025

**OLIVENHAIN**  
Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024 (760)753-6466

PLANS PREPARED BY:  
**DUDEK**  
605 Third Street Encinitas, CA 92024  
760.942.5147 Fax 760.632.0164

DESIGN PG  
DRAWN NH  
CHECK MM  
MARK DATE BY REVISIONS

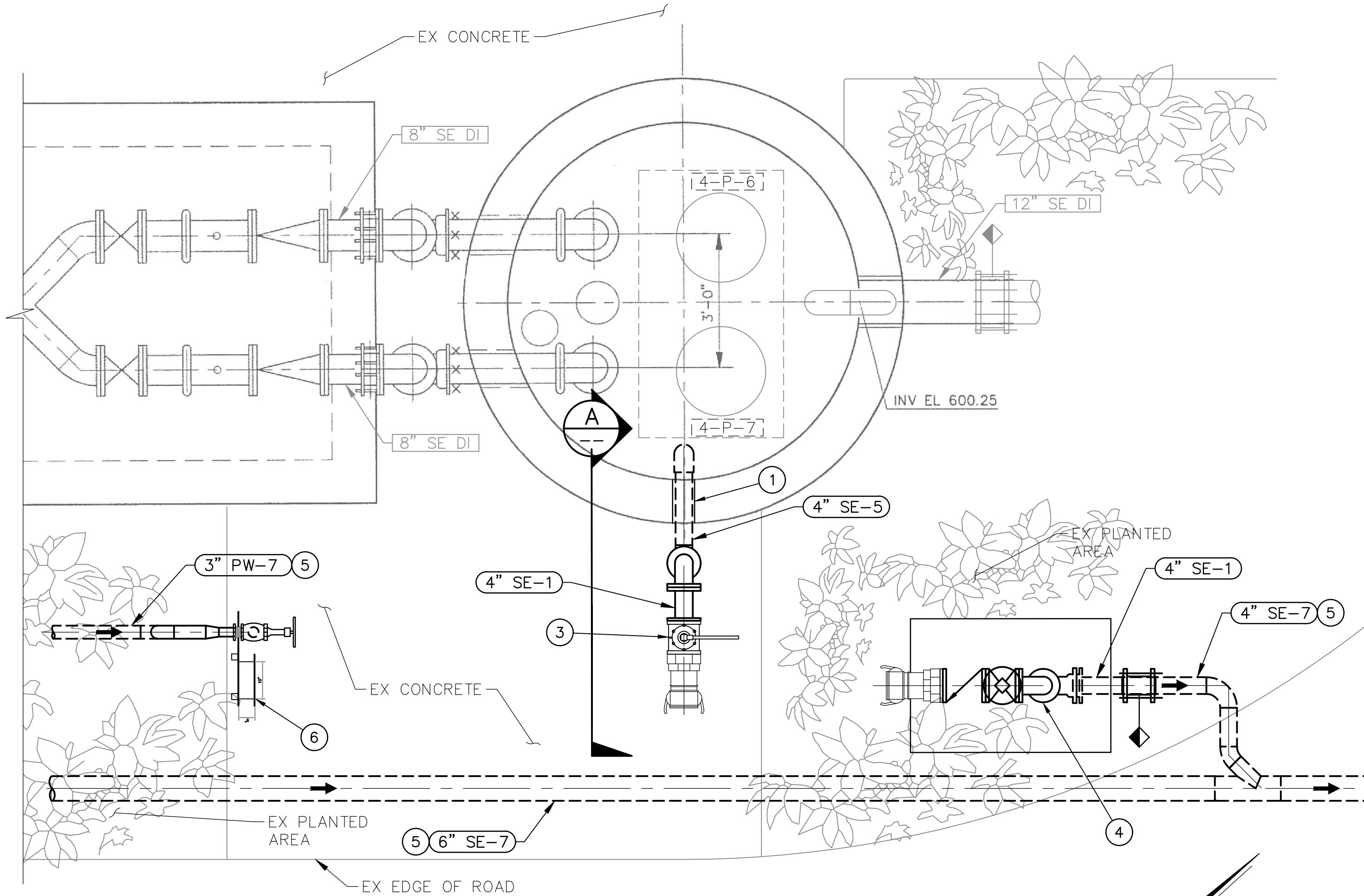
P:\101.Engineering\Olivenhain MWD\13495 - 4S Ranch WRF Headworks Screening Sys Improvements\6-CAD\13495 SH23 M-9 8/10/2023 11:25 AM



**SECTION**

SCALE: 1/2"=1'-0"

**A**



**PLAN**

SCALE: 1/2"=1'-0"

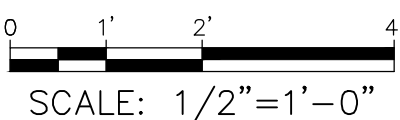
**CONSTRUCTION LEGEND**

- ① WALL PENETRATION PER DTL 5 ON DWG M-12
- ② WALL PIPE SUPPORT PER DTL 4 ON DWG M-12
- ③ QUICK CONNECT PER DTL 3 ON DWG M-13
- ④ BY-PASS PUMP CONNECTION DETAIL PER DTL 5 ON DWG M-13
- ⑤ ALL BELOW GRADE PIPES SHALL BE INSTALLED AT MAXIMUM OF 2-FT COVER AND ENCASED IN CLSM. SEE DRAWING M-11 FOR CONTINUATION OF PIPE
- ⑥ RACK MOUNTED HOSE BIB PER DTL 4 ON DWG M-13

**NOTES:**

- 1. SEE PIPING SCHEDULE ON DWG G-4 FOR PIPE AND FITTING SPECIFICATIONS.
- 2. FOR EQUIPMENT LIST SEE DWG M-1
- 3. CONTRACTOR TO VERIFY FIELD CONDITIONS AND DIMENSIONS AND NOTIFY DISTRICT OF ANY DISCREPANCIES.

**GRAPHIC SCALE**



90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS

FILTER INFLUENT PUMP STATION  
PLAN AND SECTIONS

SHEET  
23 OF 39

DRAWING  
M-9

W700025

PLANS PREPARED BY:

**DUDEK**  
605 Third Street Encinitas, CA 92024  
760.942.5147 Fax 760.632.0164

**OLIVENHAIN**  
Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024 (760) 753-6466

DESIGN

PG

DRAWN

NH

CHECK

MM

MARK

DATE

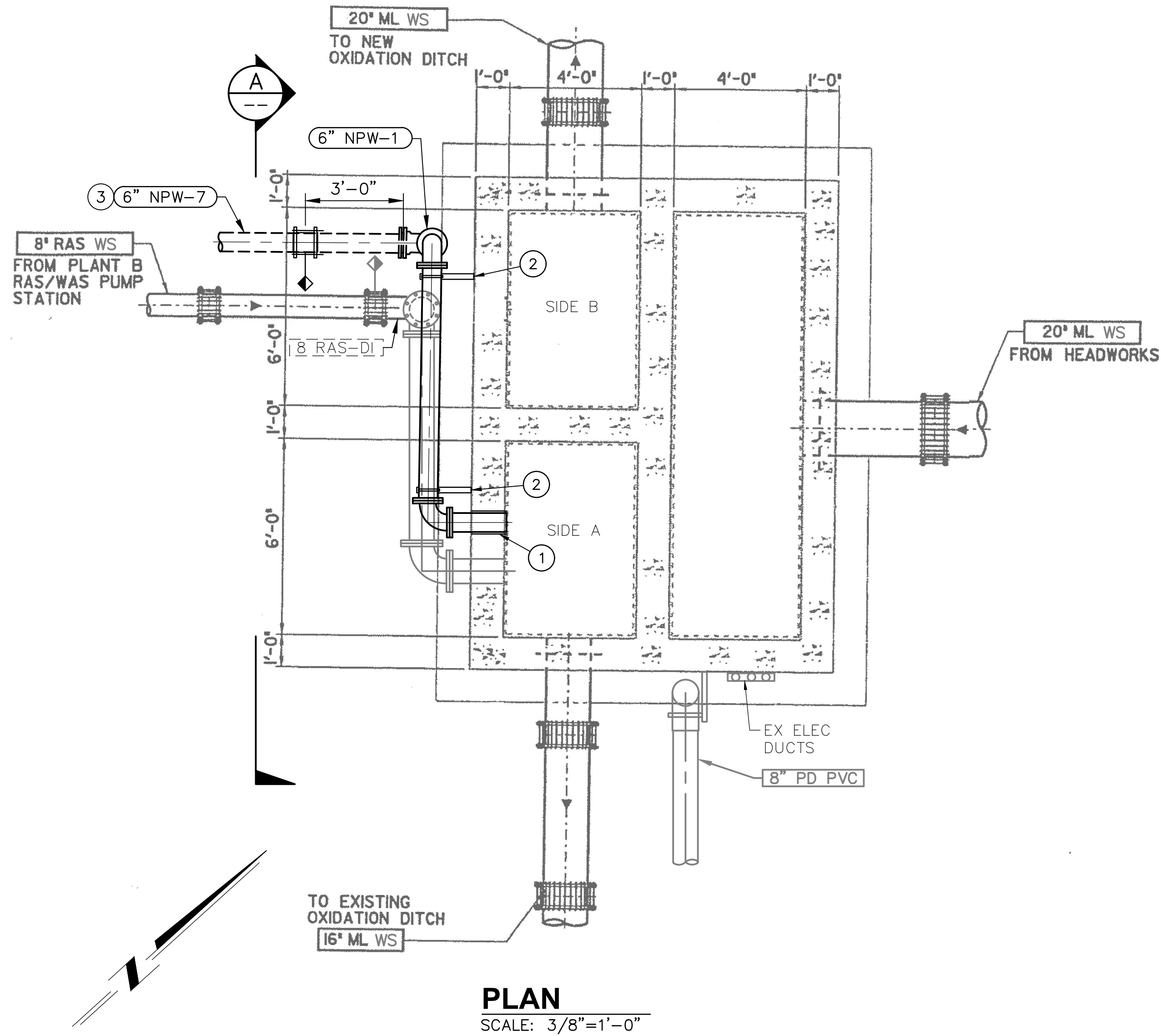
BY

REVISIONS

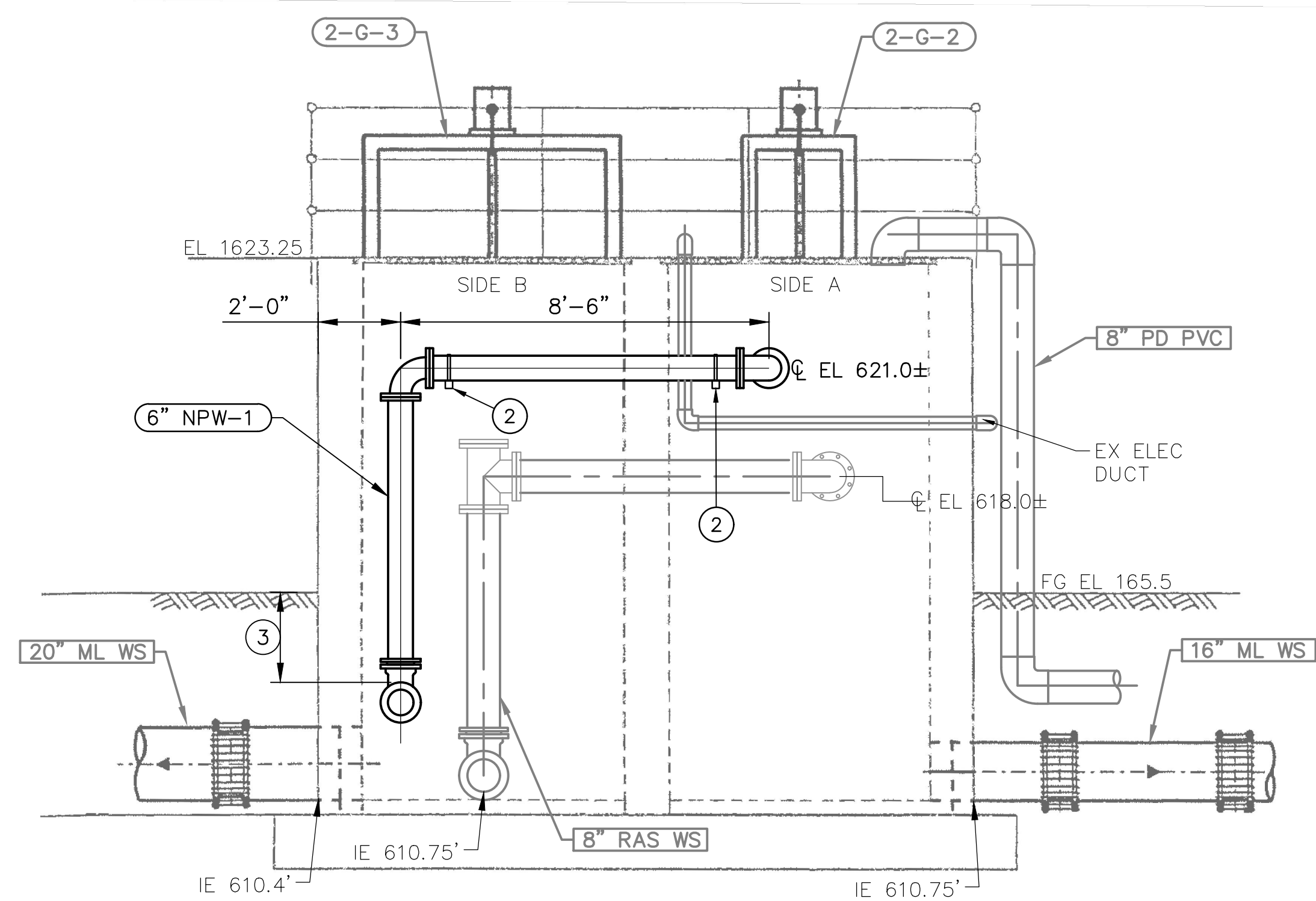
ORIGINAL SCALE IN INCHES



P:\101\Engineering\Olivenhain MWD\13495 - 4S Ranch WRF Headworks Screening Sys Improvements\6-CAD\13495 SH24 M-10 8/10/2023 11:26 AM



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



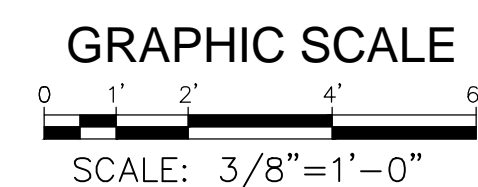
**SECTION A-A**  
SCALE: 1/2"=1'-0"

**CONSTRUCTION LEGEND**

- ① WALL PENETRATION PER DTL 5 ON M-12
- ② PIPE SUPPORT PER DTL 2 ON CWG M-13
- ③ ALL BELOW GRADE PIPES SHALL BE INSTALLED AT MAXIMUM OF 2-FT COVER AND ENCASED IN CLSM.

**NOTES:**

1. SEE PIPING SCHEDULE ON DWG G-4 FOR PIPE AND FITTING SPECIFICATIONS.
2. FOR EQUIPMENT LIST SEE DWG M-1
3. CONTRACTOR TO VERIFY FIELD CONDITIONS AND DIMENSIONS AND NOTIFY DISTRICT OF ANY DISCREPANCIES.



90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS

SHEET  
240F 39

OXIDATION DITCH AND SECONDARY  
SPLITTER BOX PLAN AND SECTION

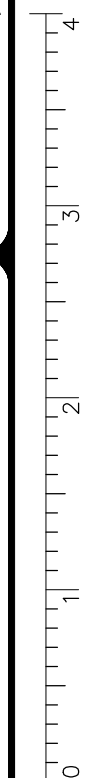
DRAWING  
M-10

PLANS PREPARED BY:

**DUDEK**  
605 Third Street Encinitas, CA 92024  
760.942.5147 Fax 760.632.0164

**OLIVENHAIN**  
Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024 (760)753-6466

ORIGINAL SCALE IN INCHES

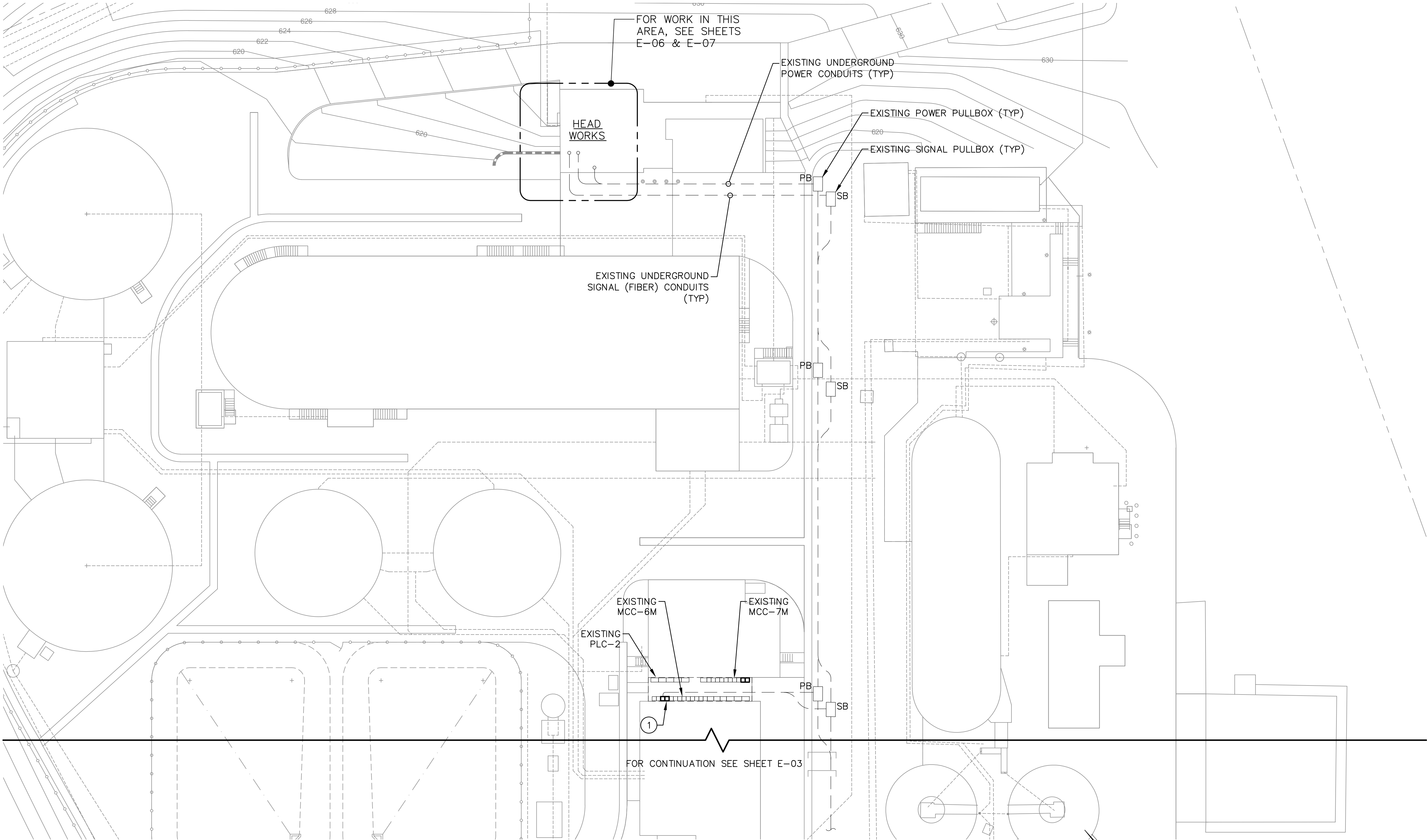






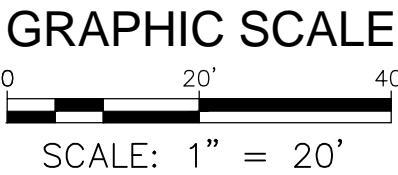


Z:\0-GERRY GREEN INC\ Dudek Projects\Olivenhain 4S ranch\ELECTRICAL\13495 SH XX E-02 8/11/2023 2:47 PM



SITE ELECTRICAL PLAN – NORTH

- NOTES:
- ① UTILIZE EXISTING CIRCUITS. SEE SINGLE LINE DIAGRAM E-04.



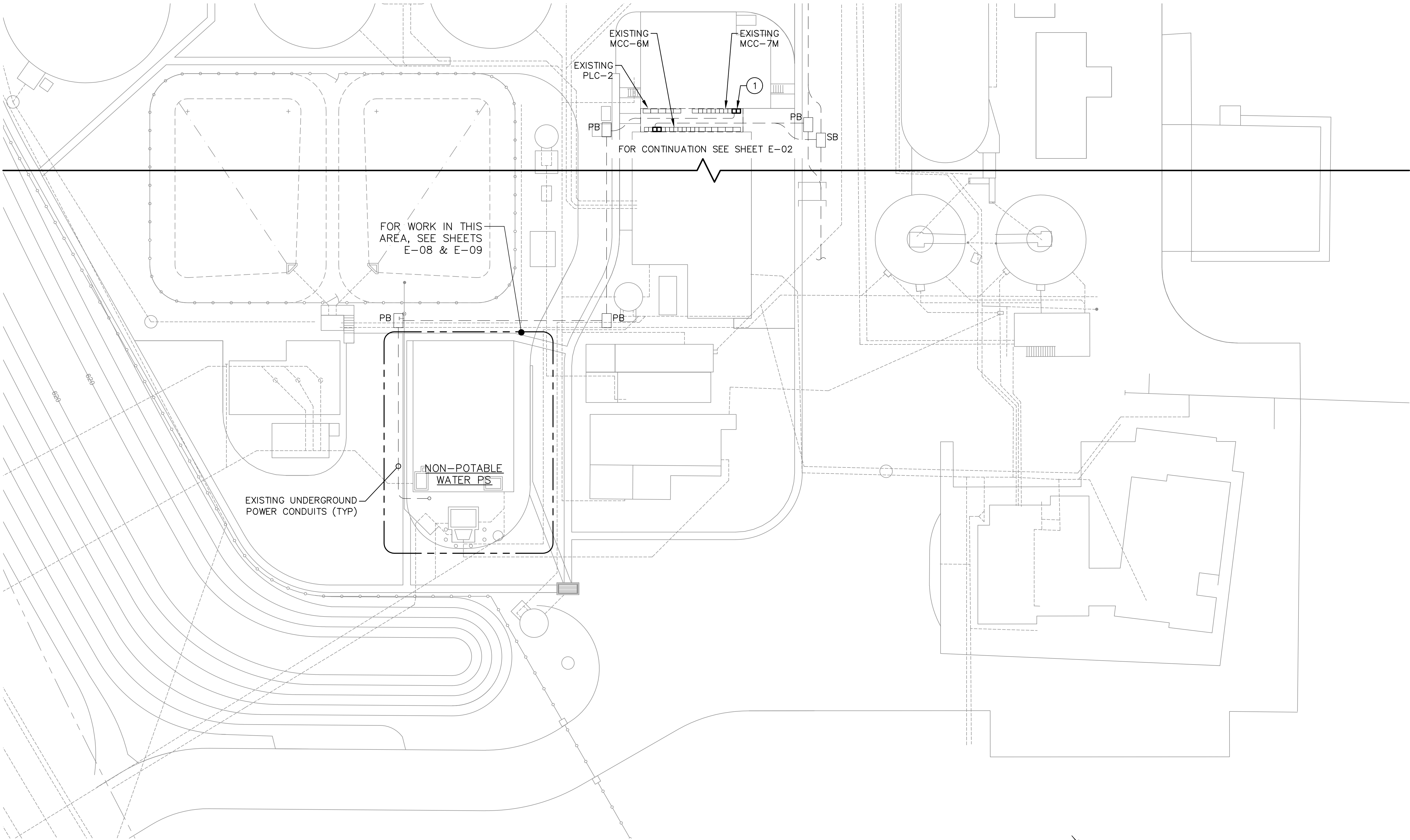
90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING SYSTEM IMPROVEMENTS		SHEET 30 OF 39	
SIT E ELECTRICAL PLAN – NORTH		DRAWING E-02	
W700025			
PLANS PREPARED BY: GERRY GREEN INC. Consulting Electrical Engineers 2734 Loker Ave West, Ste M, Carlsbad, CA 92011 Tel: (619) 962-2356		DESIGN CG DRAWN CADD CHECK CG	
OLIVENHAIN Municipal Water District 1966 Olivenhain Road Encinitas, CA 92024 (760)753-6466		MARK DATE BY REVISIONS	

ORIGINAL SCALE IN INCHES

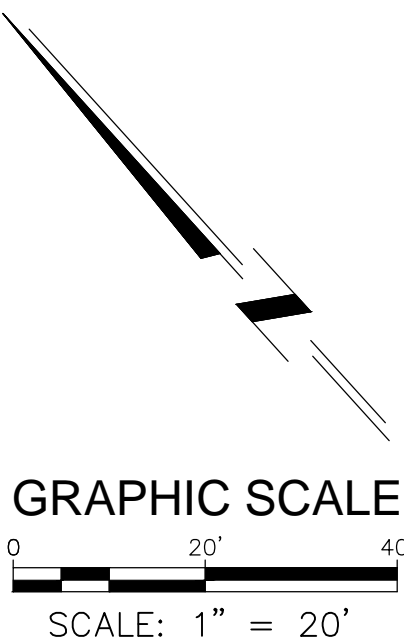
Z:\0-GERRY GREEN INC\Dudek Projects\Olivenhain 4S ranch\ELECTRICAL\13495 SH XX E-03 8/11/2023 2:47 PM



SITE ELECTRICAL PLAN – SOUTH

NOTES:

- ① UTILIZE EXISTING CIRCUITS. SEE SINGLE LINE DIAGRAM E-05.



90% PROGRESS SET  
NOT FOR CONSTRUCTION



4S RANCH WRF HEADWORKS SCREENING  
SYSTEM IMPROVEMENTS

SHEET  
31 OF 39

SITE ELECTRICAL  
PLAN – SOUTH

DRAWING  
E-03

PLANS PREPARED BY:

GERRY GREEN INC. Consulting Electrical Engineers  
2734 Loker Ave West, Ste M, Carlsbad, CA 92011 Tel: (619) 962-2356

OLIVENHAIN

Municipal Water District  
1966 Olivenhain Road  
Encinitas, CA 92024 (760)753-6466

DESIGN

CG

DRAWN

CADD

CHECK

CG

MARK

DATE

BY

REVISIONS

ORIGINAL SCALE IN INCHES