

**SPECIAL MEETING OF THE
BOARD OF DIRECTORS
ROSAMOND COMMUNITY SERVICES DISTRICT**

3:00 PM Special Board Meeting
Tuesday November 3, 2026
District Board Room
3179 35th Street West
Rosamond, CA 93560

Zoom Instructions
Meeting ID: 661 256 3411
Passcode: 2026

Zoom App: Click the blue “Join” button with the plus sign
Web page: Visit zoom.com and click “Join” at the top of the page
Phone: Dial (669) 444 9171, enter the meeting ID and press #,
do not enter a participant ID and press #, enter the
passcode and press #. Use *6 to mute/unmute

Agenda

CALL TO ORDER Time: _____

ROLL CALL

Director Jose Hernandez Jr.
Director Byron Glennan
Director Rick Webb
Vice President Greg Wood
President Gregory Washington

General Manager (GM) Kim Domingo
Assistant GM Ben Stewart
Director of Public Works John Houghton
Director of Administration/Board Secretary Sherri Timm
Legal Counsel, John Komar, Esq.

PLEDGE OF ALLEGIANCE

APPROVAL OF THE AGENDA Motion: _____ 2nd: _____

PUBLIC COMMENTS

(At this time, any person may address the Board on any subject within the District's jurisdiction which is not on the agenda. However, any non-agenda matter will be referred to staff for a report and/or action at a subsequent Board meeting and no action can be taken on any such item discussed unless the action has been authorized under §54954.2(b) of the Government Code. Any person may also address the Board on any agenda matter at the time that matter is discussed, prior to Board consideration and action. Speakers are requested to limit comments to three (3) minutes.)

VOLUNTARY PUBLIC ROLL-CALL VIA TELECONFERENCE

(If any member of the public on the teleconference/video conference wishes to identify themselves as present for this meeting, please do so for the records/minutes)

DISCUSSION

D1. General Manager Succession Discussion

NEW BUSINESS

NB 1. Adoption of Resolution No. 2026-16 Making a Finding Pursuant to Public Contract Code Section 3400(c)(3) That the Grit King Grit Removal System is Available From Only Once Source and Designating It By Brand Name for the WWTP Grit Removal System Improvements Project

Motion _____ 2nd _____

Resolution No. 2026-16

Director Jose Hernandez Jr. _____
Director Byron Glennan _____
Director Rick Webb _____
Vice President Greg Wood _____
President Gregory Washington _____

NB 2. Approve Task Order 2026-11 (AECOM) with AECOM Technical Services, Inc. for Additional Design, Bidding, and Construction Phase Services – Wastewater Treatment Plant Grit Removal System Project (Presenter: GM Kim Domingo)

Motion _____ 2nd _____

NB 3. Approval of Consultant Fees Reimbursement Agreement with SSV Properties for the Willow Springs Development Project – Water Study (Presenter: GM Kim Domingo)

Motion _____ 2nd _____

NB 4. Approval of Task Order 2026-1 (KJ) with Kennedy/Jenks Consultants, Inc. for the Willow Springs Raceway – Water Main Extension and Capacity Analysis (Presenter: GM Kim Domingo)

Motion _____ 2nd _____

NB 5. Approve Change Order No. 3 to Mike Bubalo Construction for the WWTP Biosolids Removal Project – Phase 1 (Presenter: GM Kim Domingo)

Motion _____ 2nd _____

NB 6. Approve Indemnity Agreement with the Antelope Valley Watermaster for Approval of a New Point of Groundwater Extraction (Well 10) (Presenter: GM Kim Domingo)

Motion _____ 2nd _____

ADJOURNMENT Time: _____

Requirements Regarding Disabled Access: In accordance with Government Code §54954.2(a), requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting, should be made to the RCSD Board Secretary at least 48 hours in advance of the meeting to ensure availability of the requested service or accommodation. Please contact the Board Secretary by telephone at (661) 256-3411, Email: stimm@rosamondcsd.com or in writing at the Rosamond Community Services District, Attn: Board Secretary 3179 35th Street West, Rosamond, CA 93560.

Pursuant to Government Code Section 54957.5, any writing that: (1) is a public record; (2) relates to an agenda item for an open session of a regular meeting of the Board of Directors; and (3) is distributed less than 72 hours prior to that meeting, will be made available for public inspection at the time the writing is distributed to the Board of Directors. Any such writing will be available for public inspection at the District offices located at 3179 35th Street West, Rosamond, CA 93560. A complete agenda packet containing all accompanying reports for this agenda is available by contacting the Board Secretary stimm@rosamondcsd.com or 661-256-3411, or in person or writing to Rosamond Community Services District, Attn: Board Secretary 3179 35th Street West, Rosamond, CA 93560.

Board meetings are subject to audio recording.

STAFF REPORT

Rosamond Community Services District

DATE: November 3, 2026
TO: Board of Directors
FROM: Kim Domingo, General Manager
Subject: Adoption of Resolution No. 2026-16 Making a Sole Source Finding for the Hydro International Grit King Grit Removal System, Approval of the WWTP Grit Removal System Improvements Project Bid Documents, and Authorize the Advertisement to Bid

Strategic Plan Element Addressed: 5.0 Maintain our Water and Wastewater Systems

RECOMMENDATION:

(1) Adopt Resolution No. 2026-16 making a finding pursuant to Public Contract Code Section 3400(c)(3) that the Hydro International Grit King Grit Removal System is a necessary item available from only one source and designating it by brand name for the WWTP Grit Removal System Improvements Project, (2) Approve the WWTP Grit Removal System Improvements Project Bid Documents, and (3) Authorize the Advertisement to Bid.

BACKGROUND:

In the last 1.27 million gallons per day (MGD) wastewater treatment plant upgrade, the existing 0.5 MGD grit removal system was not upgraded as a cost savings measure. An unintended consequence of this decision was the existing system's lack of hydraulic capacity. The plant peak throughput is limited to the hydraulic capacity of the grit channels, which has necessitated the diversion of untreated influent to the emergency overflow pond during peak influent flows for return to the plant during the off-peak portions of the day. This operation does not meet the original design intent and results in additional operational labor costs, including overtime costs to manage the plant flows after working hours.

The project will upgrade the grit removal system to handle the full influent capacity, including at peak events. The project will allow operations staff to run the plant as originally intended with the added benefit of additional grit removal, lessening the frequency of aeration pond dredging events to remove accumulated grit. The project is funded under Capital Project No. 22515, Grit Removal Expansion.

On April 10, 2024, the Board approved Task Order 2024-5 with AECOM to provide the grit removal upgrade design for a time-and-materials fee not to exceed \$120,000. On May 21, 2025, the Board approved Task Order 2025-8, amending the scope of work to include the temporary bypass of sewage around the existing grit removal system and the tie-in locations and sizing of the inlet and outlet piping, for a total fee of \$180,800. On May 27, 2026, the Board approved Task Order 2026-4 for additional design work, for a total fee of \$254,300. That amendment reflected a staff-requested change from an upsizing of the existing grit removal technology to an arrangement

that is significantly more operations and maintenance friendly, eliminates the need for a grit pump, and keeps the existing grit system in place for redundancy.

The District currently operates a Smith & Loveless PISTA vortex grit removal system. During conceptual design, continuation of similar vortex grit removal technology was considered. As the design progressed, the Grit King system manufactured by Oldcastle Infrastructure, Inc. dba Hydro International (Hydro) was identified as providing operational and maintenance advantages while satisfying the project's hydraulic and grit removal performance requirements. The design consists of one 10-foot diameter, free-standing Grit King vortex separator followed by a SpiraSnail Compact grit classifier/dewatering unit, sized for an average flow of 1.5 MGD and a peak flow of 3.0 MGD.

AECOM has completed the plans and specifications for the project. A mandatory pre-bid conference and site visit will be held on Thursday, November 19, 2026 at 10:00 a.m., and bids will be received until 2:00 p.m. on Tuesday, December 15, 2026. The work is to be completed within 260 working days, and a California Class "A" contractor's license is required. Because the estimated construction cost exceeds the CUPCCAA informal bid amount, the project will be advertised in the AV Press and posted at plan rooms throughout the state.

ANALYSIS:

Public Contract Code Section 3400(a) generally prohibits a public agency from drafting bid specifications that call for a product by specific brand or trade name unless at least two brands of comparable quality are listed, followed by the words "or equal." Section 3400(c)(3) provides an exception when the agency makes a finding, described in the invitation for bids, that a product is designated by brand name in order to obtain a necessary item that is only available from one source. Because the finding must be made by the Board and described in the bid documents, staff is presenting the finding by resolution before the project is advertised.

On August 25, 2026, AECOM provided a technical memorandum documenting the basis for specifying the Grit King system. The evaluation considered hydraulic capacity and headloss, grit removal efficiency, site constraints, energy requirements, operator access, maintainability, and long-term operation and maintenance.

The Grit King is an all-hydraulic separator that uses vortex motion and gravitational settling to remove grit. Unlike mechanically induced vortex systems, it does not require a drive motor, gearbox, paddle, propeller, or other rotating component. The separator requires no external electrical power and contains no internal moving parts, reducing mechanical complexity, wear points, and routine maintenance. The free-standing, above-ground configuration gives operators direct access to the separator, underflow piping, valves, and fluidization piping. The SpiraSnail Compact classifier uses a slow-moving 12-inch screw driven by a 1-horsepower motor, further limiting power requirements.

Other grit removal technologies are commercially available. However, substituting a materially different technology would require reevaluation and potential modification of the hydraulic profile, equipment footprint and elevations, inlet and outlet configuration, structural supports, electrical requirements, controls, access provisions, and piping. A mechanically driven alternative would also introduce additional motors, gear assemblies, bearings, and other rotating components, increasing electrical demand and long-term maintenance. A Grit King system is in operation at the

North of River Sanitary District (NORSRD) facility in Bakersfield, which provides a regional reference for equipment performance, reliability, and maintenance.

Based on the AECOM evaluation, the Grit King system is the only system that satisfies all of the project's operational and spatial requirements. Resolution No. 2026-16 makes the Section 3400(c)(3) finding, directs that the finding be included in the bid documents, and authorizes the General Manager to proceed with the bidding process. The finding applies only to the grit removal equipment; the construction contract will still be competitively bid.

Coombs-Hopkins Company, Hydro's local representative, provided a firm equipment quote (Revision 01, October 29, 2026) of \$644,400 plus sales tax, F.O.B. jobsite, firm through January 18, 2027. Recent Grit King sales shown in the table below indicate the quoted price is reasonable. The quote will be the same for all interested bidders to include in their bids.

Installation	Unit Size	Date	Price (\$)
North of River Sanitary District WWTP (Bakersfield, CA)	12-foot	April 2026	934,000
Mill Creek WWTP (Americus, GA)	9-foot	February 2025	770,000
Shoal River Ranch WRF (Okaloosa County, FL)	12-foot	October 2024	575,000
Rosamond CSD WWTP (Firm Quote)	10-foot	October 2026	644,400

AECOM reviewed the firm scope against the specifications. In response, Hydro added the average flow performance point, confirmed Ethernet communication between the equipment control panel and the District's plant PLC, restored a payment schedule of 10 percent at shop drawing approval, 80 percent at delivery, and 10 percent at final acceptance, and revised the warranty commencement language. Remaining commercial terms will be negotiated when the purchase order is issued. Hydro anticipates 20 to 22 weeks for approval drawings and 18 to 20 weeks for shipment after approval, which fits within the 260 working day contract time.

FISCAL REVIEW:

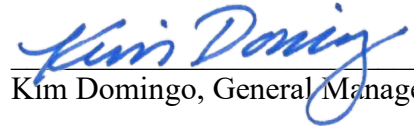
The Engineer's Estimate for the project is \$2,991,000. The project is funded under Capital Project No. 22515, Grit Removal Expansion, which currently has \$1,517,000 available for expenditure in FY 2026-2027 and an additional \$750,000 planned in FY 2027-2028. The actual costs won't be known until the project is bid, and any necessary budget adjustments will be brought to the Board at the time of contract award or at Mid-Year Budget.

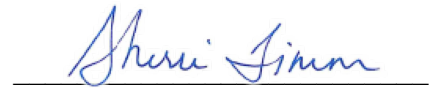
LEGAL REVIEW:

Resolution No. 2026-16 makes the finding required by Public Contract Code Section 3400(c)(3) and directs that the finding be described in the invitation for bids as required by Section 3400(c).

CONCLUSION:

Staff recommends adoption of Resolution No. 2026-16, approval of the bid documents, and authorization to advertise for bids. The full bid documents are on file in the District office.


Kim Domingo, General Manager


Sherri Timm, Director of Administration

ATTACHMENTS:

Resolution No. 2026-16

AECOM Technical Memorandum – Sole-Source Justification, Oldcastle/Hydro Grit King Grit Removal System (August 25, 2026)

Notice to Contractors

Contract Drawings

RESOLUTION NO. 2026-16

RESOLUTION MAKING A FINDING PURSUANT TO PUBLIC CONTRACT CODE SECTION 3400(c)(3) THAT THE GRIT KING GRIT REMOVAL SYSTEM IS AVAILABLE FROM ONLY ONE SOURCE AND DESIGNATING IT BY BRAND NAME FOR THE WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS PROJECT

The Board of Directors of the Rosamond Community Services District (the “Board of Directors”) does resolve as follows:

WHEREAS, the Rosamond Community Services District (“District”) is a public agency of the State of California formed by the Community Services District Law under Section 61000 et seq. of the Government Code, and owns and operates the District Wastewater Treatment Plant (“WWTP”); and

WHEREAS, the existing 0.5 million gallon per day (MGD) grit removal system at the WWTP lacks the hydraulic capacity to pass peak influent flows, requiring untreated influent to be diverted to the emergency overflow pond during peak periods; and

WHEREAS, the District has undertaken the WWTP Grit Removal System Improvements Project, Capital Project No. 22515 (the “Project”), to construct new grit removal facilities designed for an average flow of 1.5 MGD and a peak flow of 3.0 MGD; and

WHEREAS, the District’s consulting engineer, AECOM, has prepared the plans and specifications for the Project, and the District intends to award the construction contract through competitive bidding; and

WHEREAS, California Public Contract Code Section 3400(a) generally prohibits a public agency from drafting specifications for a public works project that call for a designated material, product, thing, or service by specific brand or trade name unless at least two brands or trade names of comparable quality or utility are listed, followed by the words “or equal”; and

WHEREAS, California Public Contract Code Section 3400(c) provides, in relevant part: “Subdivision (a) is not applicable if the awarding authority, or its designee, makes a finding that is described in the invitation for bids or request for proposals that a particular material, product, thing, or service is designated by specific brand or trade name for any of the following purposes: ... (3) In order to obtain a necessary item that is only available from one source.”; and

WHEREAS, the Project requires a grit removal system in which the grit separator is unpowered, relies strictly on hydrodynamic vortex separation, has no internal moving parts, and fits the equipment footprint, elevations, hydraulic profile, inlet and outlet configuration, structural supports, and access provisions established in the Project design; and

WHEREAS, on August 25, 2026, AECOM provided a technical memorandum evaluating hydraulic capacity and headloss, grit removal efficiency, site constraints, energy requirements, operator access, maintainability, and long-term operation and maintenance, which found that mechanically induced vortex systems require drive motors, gearboxes, bearings, paddles, or other

rotating components, and that substitution of a materially different technology would require redesign of the Project; and

WHEREAS, based on the AECOM evaluation, the Grit King Grit Removal System, consisting of the Grit King vortex separator, the SpiraSnail Compact grit classifier, and the associated control panel furnished as an integrated system by Oldcastle Infrastructure, Inc. dba Hydro International (the “Grit King Grit Removal System”), is the only system that satisfies all of the critical operational and spatial requirements of the Project; and

WHEREAS, the Board of Directors has considered the staff report, the AECOM technical memorandum, and the evidence presented at this public meeting, and desires to make the finding required by Public Contract Code Section 3400(c)(3) before the Project bid documents are published.

NOW, THEREFORE, BE IT RESOLVED, DETERMINED, AND ORDERED BY THE BOARD OF DIRECTORS, AS FOLLOWS:

Section 1. Recitals. The foregoing recitals are true and correct and are incorporated into this Resolution by this reference.

Section 2. Finding. The Board of Directors hereby finds and determines that the Grit King Grit Removal System is a necessary item that is available from only one source pursuant to Public Contract Code Section 3400(c)(3), and designates the Grit King Grit Removal System by specific brand and trade name for the Project.

Section 3. Bid Documents. The Board of Directors directs the General Manager and AECOM to include this finding and the brand-name specification for the Grit King Grit Removal System in the invitation for bids and the contract bidding documents for the Project, including the Notice to Contractors and Specification Sections 44 42 39 and 44 42 40, prior to the opening of bids.

Section 4. Authorization. The General Manager, or their designee, is authorized to advertise the Project for bids, conduct the bidding process, and issue addenda consistent with this Resolution. Award of the construction contract shall be brought to the Board of Directors for approval.

Section 5. Limited Scope. This finding applies only to the Grit King Grit Removal System for the Project. All other materials, products, and work for the Project shall be procured through competitive bidding in accordance with the Public Contract Code.

Section 6. Effective Date. This Resolution shall take effect immediately upon its adoption.

PASSED AND ADOPTED at a special meeting of the Board of Directors of the Rosamond Community Services District held this 3rd day of November, 2026.

Gregory Washington, President
Board of Directors
Rosamond Community Services District

ATTEST:

Sherri Timm, Secretary of the Rosamond Community
Services District and the Board of Directors

CERTIFICATION

I, Sherri Timm, Secretary of the Board of Directors of the Rosamond Community Services District, certify that the foregoing Resolution No. 2026-16 was adopted by the Board of Directors at a meeting held on the 3rd day of November, 2026, by the following vote of the Directors:

AYES: Director(s) _____

NOES: Director(s) _____

ABSENT: Director(s) _____

ABSTAIN: Director(s) _____

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Rosamond Community Services District, this _____ day of _____, 2026.

Sherri Timm, Secretary of the Rosamond Community
Services District and the Board of Directors

STAFF REPORT

Rosamond Community Services District

DATE: November 3, 2026

TO: Board of Directors

FROM: Kim Domingo, General Manager

Subject: Approve Task Order 2026-11 (AECOM) with AECOM Technical Services, Inc. for Additional Design, Bidding, and Construction Phase Services – Wastewater Treatment Plant Grit Removal System Project

RECOMMENDATION:

Approve Task Order 2026-11 (AECOM) with AECOM Technical Services, Inc. for additional design, bidding, and construction phase engineering services for the Wastewater Treatment Plant (WWTP) Grit Removal System Project, on a time-and-materials basis for a not-to-exceed amount of \$260,000, and authorize the Board President to execute the Task Order.

BACKGROUND:

When the WWTP was upgraded to 1.27 million gallons per day (MGD), the existing 0.5 MGD grit removal system was not upgraded as a cost savings measure. As a result, plant peak throughput is limited to the hydraulic capacity of the grit channels, requiring untreated influent to be diverted to the emergency overflow pond during peak flows and adding operational labor costs. The project will upgrade the grit removal system to handle the full influent capacity, including peak events, and reduce the frequency of aeration pond dredging.

AECOM has prepared the design for this project under Task Order 2024-5, approved April 10, 2024; Task Order 2025-8, approved May 21, 2025; and Task Order 2026-4, approved May 27, 2026.

After the design reached 90% completion, staff requested a value engineering review of the grit removal process and equipment skid. Working with the equipment vendor, AECOM recommended retaining the existing grit chamber as a backup during maintenance of the new system; reconfiguring the inlet and outlet piping to avoid buried infrastructure not shown, or shown inaccurately, on record drawings; relocating the electrical equipment pad away from buried utilities and vehicle traffic; revising skid-mounted safety features such as ladders, platforms, handrails, safety cages, and lighting; and adding or relocating isolation valves to improve operability and maintenance access.

AECOM has submitted a proposal dated September 3, 2026 for the work needed to complete the project. Task 1 (\$53,000) covers the value engineering effort, which exceeded the remaining design budget, and completion of the Issue for Bid documents. Consistent with prior discussions with staff, it includes services performed between June 1, 2026 and September 4, 2026. Task 2 (\$14,690) covers bid phase services, including the pre-bid job walk, bidder RFIs, up to two addenda, and conformed Issue for Construction drawings. Task 3 (\$192,310) covers construction phase services, including the preconstruction conference, weekly progress meetings and biweekly status meetings with the District, change order review, construction RFIs, shop drawing and submittal review, review of monthly progress payments, part-time field observation, final walkthrough and punch list, and record drawings. The proposal assumes a construction duration of 160 working days. Staff has reviewed the proposal and recommends approval.

ANALYSIS:

The value engineering revisions keep the existing grit system available for redundancy, reduce the risk of change orders from poorly documented buried infrastructure, and improve operator safety and maintenance access. Continuing AECOM's involvement through the bidding and construction phases provides continuity with the design

and helps ensure the system is constructed as intended. Staff will return to the Board for authorization to advertise the project for bid once the bid documents are complete. Resident engineering and full-time inspection are excluded from this scope and, if needed, will be brought to the Board under separate action.

FISCAL REVIEW:

This task order is a not-to-exceed amount of \$260,000, billed on a time-and-materials basis under the District's existing Master Services Agreement with AECOM. With approval, the total design fee for the project will be \$307,300 and the total authorized for AECOM services on the project will be \$514,300. The project is budgeted in the Capital Budget under Project 22515, Grit Removal Expansion. Any budget adjustments will be presented for Board approval during the Mid-Year Budget process.

LEGAL REVIEW:

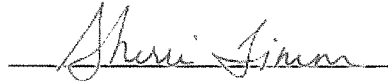
N/A

CONCLUSION:

Approval is recommended.



Kim Domingo, General Manager



Sherri Timm, Director of Administration

ATTACHMENTS:

Task Order 2026-11 (AECOM)

Attachment A

TASK ORDER 2026 – 11 (AECOM)

This Task Order is made this 3rd day of November, 2026, by and between the parties per the terms and conditions set forth in the Master Services Agreement executed between the parties with the effective date of December 14, 2023 (“Agreement”), which incorporated this Task Order by reference.

1. The Consultant Contract Number for this Task Order is _____. The Consultant Job Number for this Task Order is _____. The Consultant Contract Number and Job Number shall be referenced in each invoice submitted by Consultant to District under this Task Order.

2. The Services to be performed by Consultant under this Task Order are as follows:

Additional design, bidding, and construction phase engineering services for the Wastewater Treatment Plant Grit Removal System Project per the September 3, 2026 letter proposal

3. The Project Schedule is as follows:

Per attached September 3, 2026 letter proposal

4. The Compensation to be paid to Consultant for the performance of the Services under this Task Order is set forth as follows (appropriate rate sheet attached herein):

Time and Materials Fee not to exceed an amount of \$260,000

5. Deliverables to be provided under this Task Order are as follows:

Per attached September 3, 2026 letter proposal

DISTRICT

CONSULTANT

Gregory Washington, President

Eric Garibay, PE, Principal Engineer

Date

Date



AECOM
5001 E. Commercenter Drive
Suite 100
Bakersfield, CA 93309
www.aecom.com

September 3, 2026

Kim Domingo, P.E.
General Manager
Rosamond Community Services District
3179 35th St West
Rosamond, CA 93560

Proposal for Additional Design, Bidding, and Construction Phase Services for the WWTP Grit Removal System Project

AECOM Technical Services, Inc. (AECOM) is pleased to provide Rosamond Community Services District (RCSD or District) with this proposal to provide engineering services that include additional design efforts and services during the bidding and construction phases for the Grit Removal System Project. The following scope outlines the changes made based on decisions discussed with District and the requirements for AECOM to support the District during bidding and construction.

SCOPE OF WORK

The Scope of Work identified below is for additional design services and engineering during Construction Phase Services and does not cover testing, environmental, permitting, or other work not specifically called for in the scope description that follows. Should the District require further assistance, AECOM is available and qualified to assist the District with these and other efforts.

Task 1 – Value Engineering Review and Design Revisions

After the design advanced to the 90% completion stage, AECOM was requested to perform a value engineering review of the proposed grit removal process and equipment skid. In collaboration with the equipment vendor, AECOM evaluated opportunities to reduce construction and maintenance costs, improve operational flexibility, and enhance site safety. The following recommendations were presented to the District:

- Retain the existing grit chamber and incorporate functionality that allows Operations staff to utilize the existing system as a backup during maintenance activities affecting the new grit removal system.
- Reconfigure inlet and outlet piping to avoid conflicts with existing buried infrastructure that was either not identified or inaccurately depicted in available record drawings.
- Relocate the electrical equipment pad to avoid buried utilities, reduce conduit routing to the electrical room, and improve site safety by moving the equipment farther from potential vehicle traffic areas.
- Revise the skid-mounted safety features to improve operator access and working conditions, including the addition or relocation of ladders, platforms, handrails, safety cages, and lighting.
- Add isolation valves or revise valve locations as needed to improve system operability, maintenance access, and process isolation capabilities.

The engineering effort required to evaluate, develop, and coordinate these recommendations exceeded the remaining design budget established under the current contract. Accordingly, AECOM has prepared the attached budget identifying the additional effort required to revise the 90% design documents, incorporate the approved recommendations, and complete the final design deliverables.



Consistent with previous discussions with the District, the proposed budget includes engineering services performed between June 1, 2026, and September 4th, 2026, prior to execution of this amendment, as well as the remaining effort required to finalize the design and support project construction.

1.1 Design Plan Revision.

Value engineering recommendations approved by the District will be incorporated into the Plans. AECOM will provide District with one PDF set of the revised 90% drawings as a deliverable.

1.2 Specification and Cost Opinion Revision.

AECOM will revise the technical specifications and Opinion of Probable Construction Cost (OPCC) to reflect the approved value engineering recommendations incorporated into the revised 90% design documents. AECOM will provide the District one PDF set of technical specifications, front end documents, and opinion of probable cost as deliverables.

1.3 Final Design – Issue for Bid (IFB) Documents.

AECOM will host a meeting with the District to review District feedback on the 90% submittal package. Following receipt of District comments and completion of the review meeting, AECOM will incorporate District comments and prepare the Issue for Bid (IFB) documents. AECOM will provide the District one set of IFB plans, technical specifications with Front-end documents, and final opinion of probable cost in pdf format as deliverables.

1.4 Quality Control.

The Project Manager will implement AECOM's ISO certified Quality Management Program procedures for the project which includes a review of project deliverables by qualified engineers who did not work on the Project, but who have experience in the related scope of work.

1.5 Project Management.

AECOM's Project Manager will assign resources to complete the design within the given time and budget constraints and attend to other administrative duties, including but not limited to invoicing, and forecast and compare against baseline the budget and schedule.

Task 2 - Bid Phase Engineering Services

2.1 Mandatory Pre-bid Job Walk.

AECOM will attend the mandatory pre-bid job walk for the prospective bidders in person at the District office to answer questions regarding the Contact Documents and participate in the associate site visit.

2.2 Requests for Information (RFI's).

AECOM will prepare draft responses to up to six (6) RFIs submitted by prospective bidders. Draft responses will be provided to the District for review and comment. AECOM will not release responses directly to bidders unless specifically authorized by the District.

2.3 Prepare Addenda.

AECOM will prepare up to two Addenda for this project.

2.4 Issue for Construction (IFC) Drawings.

AECOM will conform all addenda and RFI responses to the bid drawings and reissue as the IFC drawings in pdf format to the District for distribution and their records.



Task 3 – Construction Phase Engineering Services

AECOM will assist the District during the construction phase with the following services.

3.1. Pre Construction Conference / Site Visit.

AECOM will attend the District hosted pre-construction meeting. Budget has been allocated for a site visit, should the District elect to conduct the pre-construction meeting at the project site instead.

3.2. Progress Meetings.

Attend up to forty-eight (48) weekly progress meetings with the District and Contractor. Meetings are assumed to be conducted virtually and not exceed 30 minutes in duration. The principal purpose of the project coordination meetings will be to discuss the following:

- Review work in progress and work planned for the next two weeks.
- Review status of critical path schedule activities and long-lead procurement items

3.3. Change Orders.

AECOM will analyze and make recommendations to District for up to four (4) contract change orders and prepare supporting plan revisions, specifications, or technical exhibits as required.

3.4. Requests for Information.

AECOM will review and coordinate with District staff and respond to up to eight (8) Contractor RFIs. AECOM will provide suggestions or alternatives as appropriate to the Contractors and District staff. AECOM will maintain an RFI Log throughout construction.

3.5. Shop Drawing Review.

AECOM will review technical submittals from the Contractor (up to 48). Submittal review will be limited to determining general conformance to the Contract Documents and shall not include verification of quantities, fabrication methods, means and methods of construction, or coordination of Contractor's work. AECOM will transmit responses to Contractor and District. After incorporation of District input, AECOM will return the submittal responses to the District. AECOM will maintain a log of shop drawings that have been submitted, and their disposition.

It is assumed that the Contractor will provide complete and coordinated submittals that generally conform to the Contract Documents upon first submission. Reviews of excessive resubmittals resulting from Contractor errors, omissions, incomplete information or deviations from the Contract Documents are not included in this scope and may reduce the number of submittals AECOM can review under this proposal or require additional authorization from the District.

3.6. Monthly Progress Payments.

AECOM will assist the District with a review of the Contractor's monthly payment requests, construction contract records, and reports specified to be submitted for compliance with contract documents. Compile recommendations and forward to District each month. AECOM will process up to 12 payments.

3.7. Field Observation.

AECOM will conduct periodic field observations to evaluate the Contractor's work for general conformance with the Contract Documents. These observations are not intended to constitute continuous inspection, construction management, or supervision of the Contractor's means, methods, techniques, sequences, procedures, or safety practices. These observations shall not relieve the Contractor of responsibility for construction means and methods, job-site safety, or compliance with applicable laws and regulations.



An associate will conduct part-time field observations and prepare documentation of construction tasks for general compliance with the Contract Documents. AECOM has allotted part-time observation, estimated at 8 hours (including travel time), weekly for 30 weeks. The task includes one site visit each for observations related to structural and to electrical components.

3.8. Final Walk-Through and Punch List.

AECOM will participate in the final walk-through and note items for and issue the punch list for the construction contract. It is assumed that the Consultant's participation at this event will consist of the lead designer and a civil engineer for the initial walk and one civil engineer to confirm punch list items were addressed.

3.9. Record Drawings.

Prepare record drawings in AutoCAD solely based on red-line markups supplied by the Contractor and provided to AECOM by the District.

3.10. Biweekly Status Meeting with District

AECOM will host a biweekly status meeting with District to provide update on project progress and schedule and to address developing issues for the duration of Construction Phase. It is assumed up to 26 meetings, each lasting 30 minutes. AECOM will publish the meeting notes and maintain a log.

3.11. Project Management.

Provide project management services throughout the duration of the construction phase. Services will include internal budget tracking, staffing coordination, and project administration, and communication with District staff regarding resource needs.

ITEMS EXCLUDED BUT OFFERED AS ADDITIONAL SERVICES.

1. Meetings beyond those stated above.
2. Meetings with RCSD board or other public agencies.
3. Stormwater Pollution Prevention Plan (SWPPP). – Assumed to be addressed by contractor.
4. Geotechnical, soils work, or materials and soils testing. AECOM assumes the District will hire the geotechnical firm directly. However, AECOM can increase their scope and hire the Geotechnical firm at District's request.
5. O&M manual preparation or review beyond shop drawing review.
6. Permitting – either conducting analysis or filing application
7. Preparation of multiple bid packages.
8. Services associated with delays extending construction beyond the assumed duration.
9. Construction Management Services
 - a. Resident engineering or full-time inspection services
 - b. Claims analysis, dispute resolution, mediation, or expert witness services.

SCHEDULE

AECOM will commence work and perform the services described herein, upon receipt of written authorization from the District Board. The proposed effort assumes a contract duration of approximately twelve (12) months, including approximately eight (8) months of active construction, corresponding to an estimated construction duration of 160 working days.

COMPENSATION

AECOM shall provide the services described herein on a time-and-materials basis for a total amount not to exceed \$260,000 without prior written authorization from the District.



Task Description	Fee
Task 1 - Value Engineering Assessment and Design Revisions	\$ 53,000
Task 2 - Bidding Phase Engineering Services	\$ 14,690
Task 3 - Construction Phase Engineering Services	\$192,310
Total Not-to-Exceed Fee	\$260,000

For a further cost breakdown, please refer to the attached staffing plan.

We look forward to working with you on this project and appreciate the opportunity to provide these services.

Very sincerely yours,

A handwritten signature in cursive script that reads "Amanda Parra".

Amanda Parra, PE
Project Manager

A handwritten signature in cursive script that reads "Eric Garibay".

Eric Garibay, PE
Managing Engineer

Attachment: Staffing Plan

Staffing Plan - Grit Removal Bid & Construction Phase Services

Rosamond Community Services District		Personnel Hours													Budget			
		Principal Engineer II	Senior Engineer III	Senior Engineer I	Associate II	Associate I	Specialty Electrical Principal Engineer	Inst. Principal Engineer III	Electrical Senior Engineer II	Structural Principal Engineer III	Structural Senior Engineer II	Design CADD Supervisor	CAD Operator	Admin Specialist	Total Hours	Labor	Other Direct Cost	Total
Hourly Rate -		\$290	\$240	\$195	\$165	\$130	\$350	\$335	\$220	\$335	\$220	\$200	\$125	\$125				
Task 1 - Value Engineer																		
1	Design Plan Revisions	24	4	20	40		2	16	2	12		40			160	\$ 36,940	\$ 1,847	\$ 38,787
2	Specification & Cost Opinion Revisions	1		6	4	6	1		2	1	2				23	\$ 4,465	\$ 223	\$ 4,688
3	Final Design - Issue for Bid Documents														0	\$ -	\$ -	\$ -
	Review meeting with District	1		2											3	\$ 680	\$ 82	\$ 762
	Incorporate Comments & Finalize Front End Docs		2	2	8							16			28	\$ 4,190	\$ 210	\$ 4,400
4	Quality Control	1	1		2		2			1		1			8	\$ 2,095	\$ 105	\$ 2,200
5	Project Management			8									4		12	\$ 2,060	\$ 103	\$ 2,163
Subtotal		27	7	38	54	6	5	16	4	14	2	41	16	4	234	\$ 50,430	\$ 2,570	\$ 53,000
Task 2 - Bid Support Services																		
1	Attend mandatory pre-bid job walk			6											6	\$ 1,170	\$ 153	\$ 1,323
2	Responses to RFIs (up to 6 assumed)	4		3	12		1			1					21	\$ 4,410	\$ 221	\$ 4,631
3	Prepare Addenda (up to 2)	2	2	4	8		1			1			6		24	\$ 4,595	\$ 230	\$ 4,825
4	Prepare IFC (conformed) drawings		1	1	4	1							20		27	\$ 3,725	\$ 186	\$ 3,911
Subtotal		6	3	14	24	1	2	-	-	2	-	-	26	-	78	\$ 13,900	\$ 790	\$ 14,690
Task 3 -Construction Phase																		
1	Attend Pre-Con Conf. & one Site Visit			8		1									9	\$ 1,690	\$ 95	\$ 1,785
2	Weekly Progress Meeting (48 mtg @ 30 min ea)			48											48	\$ 9,360	\$ 468	\$ 9,828
3	Review/Prepare Change Orders (4 assumed)	2		16		4	1	8		1	8	16			56	\$ 12,545	\$ 627	\$ 13,172
4	Request for Information - RFI (8 assumed)	6	6		18	12		3	9	3	9				66	\$ 13,680	\$ 684	\$ 14,364
5	Shop Drawings (48 assumed)	24	8		48	48		16	32	8	16				200	\$ 41,640	\$ 2,082	\$ 43,722
6	Monthly Progress Payments (12 assumed)			12	24										36	\$ 6,300	\$ 315	\$ 6,615
7	Field Observation & Acceptance (30 wks, 8hr/wk)	16	8	16	240		16	8		16					320	\$ 62,920	\$ 3,146	\$ 66,066
8	Final Walk and Punch List (2 visits)	8	4	8	40										60	\$ 11,440	\$ 572	\$ 12,012
9	Record Drawings	2	4	4	9	1						4	40		64	\$ 9,735	\$ 487	\$ 10,222
10	Biweekly Status Meeting w/ District (26 mtg/30 min ea)			26		13									39	\$ 6,760	\$ 338	\$ 7,098
11	Project Management			26		4								12	42	\$ 7,090	\$ 336	\$ 7,426
Subtotal		58	30	164	379	83	17	35	41	28	33	20	40	12	940	\$ 183,160	\$ 9,150	\$ 192,310
Total		91	40	216	457	90	24	51	45	44	35	61	82	16	1,252	\$ 247,490	\$ 12,510	\$ 260,000

Technical Memorandum

To	Kim Domingo, P.E. RCSD	Page	1 of 2
Subject	Sole-Source Justification - Oldcastle/Hydro Grit King Grit Removal System		
From	Amanda Parra, P.E. and William Black, P.E.		
Date	August 25, 2026		

PURPOSE

This memorandum documents the technical basis for recommending the Oldcastle/Hydro Grit King grit removal system, together with the associated SpiraSnail Compact grit classifier/dewatering unit, as the specified equipment for the Rosamond Community Services District (RCSD) Wastewater Treatment Plant Grit Removal System Improvements Project.

The Project Team evaluated the grit removal requirements of the existing facility considering hydraulic capacity and headloss, grit removal efficiency, site constraints, energy requirements, operator access, maintainability, and long-term operation and maintenance. Based on these considerations, the Grit King system was selected because it provides the required grit removal performance using a passive hydraulic separation process while minimizing mechanical equipment, electrical power consumption, and routine maintenance.

The district currently operates a Smith & Loveless PISTA vortex grit removal system. During conceptual design, continuation of similar vortex grit removal technology was considered; however, as the design progressed, the Grit King system was identified as providing operational and maintenance advantages while satisfying the Project's hydraulic and grit removal performance requirements.

BASIS FOR EQUIPMENT SELECTION

The proposed system consists of one 10-foot-diameter, free-standing Grit King vortex separator followed by a SpiraSnail Compact grit classifier/dewatering unit. The Grit King is an all-hydraulic, non-mechanical separator that uses vortex motion and gravitational settling to remove grit, sand, and other high-density inorganic material. Unlike mechanically induced vortex systems, the Grit King does not require a drive motor, gearbox, paddle, propeller, or other rotating component to generate the separation vortex. The separator itself requires no external electrical power and contains no internal moving parts, reducing mechanical complexity, wear points, and routine maintenance requirements.

For the RCSD application, the system is designed for approximately 1.5 MGD average flow and 3.0 MGD peak flow. The proposed equipment is rated for 95 percent removal of grit with a specific gravity of 2.65 at particle sizes of 75 microns and larger at average flow and 150 microns and larger at peak flow. Project-specific hydraulic evaluations indicate approximately 4 inches of headloss at average flow and 14 inches at peak flow. The associated SpiraSnail Compact classifier uses a slow-moving 12-inch screw with a 1-horsepower motor, further limiting the system's overall power requirements.

The absence of internal mechanical components in the separator reduces routine maintenance associated with submerged drive motors, gearboxes, bearings, paddles, and similar rotating equipment. The free-standing, above-ground configuration provides operators with convenient visual and physical access to the separator, underflow piping, valves, fluidization piping, and other ancillary

components for routine inspection, troubleshooting, and maintenance. This configuration reduces maintenance complexity and minimizes the need to access submerged or difficult-to-reach mechanical components. Effective fine-grit removal will additionally help protect downstream pumps, piping, basins, and process equipment from abrasive wear and grit accumulation.

SOLE-SOURCE JUSTIFICATION

Other grit removal technologies are commercially available, including mechanically induced vortex systems. However, AECOM'S recommendation is based on the combination of project-specific requirements rather than grit removal performance alone. The Grit King provides the required fine-grit removal efficiency and hydraulic capacity while utilizing a passive, non-mechanical separation process with no internal moving parts and no external electrical power requirement for the separator. These characteristics provide operational and maintenance advantages that are particularly beneficial for RCSD.

Substitution of equipment using a materially different technology could require reevaluation and potential modification of the hydraulic profile, equipment footprint and elevations, inlet/outlet configuration, structural supports, electrical requirements, controls, access provisions, and associated piping. A mechanically driven alternative could also introduce additional motors, gear assemblies, bearings, paddles, or other rotating components, resulting in additional electrical demand and long-term maintenance requirements.

A Grit King system is operating at the North of River Sanitary District (NORS D) facility within 100 miles of RCSD. This nearby installation provides a relevant regional reference for equipment performance, reliability, operator experience, and maintenance requirements.

California Public Contract Code Section 3400 provides exceptions under which a public agency may specify a particular product or source when the required findings are made, including where a necessary item is only available from one source. The Project Team's recommendation is based on the combination of hydraulic performance, passive non-mechanical separation, reduced mechanical complexity, low energy requirements, maintainability, and compatibility with the Project design. The final proprietary/sole-source determination should be made by the district in consultation with District Counsel based on the applicable requirements of Public Contract Code Section 3400.

RECOMMENDATION

Based on the technical evaluation, AECOM recommends the Oldcastle/Hydro Grit King with SpiraSnail Compact grit classifier/dewatering equipment for the RCSD WWTP Grit Removal System Improvements Project. The selected system provides the required hydraulic capacity and fine-grit removal performance while offering significant advantages through its passive hydraulic operation, absence of internal moving components within the grit separator, no external power required for the grit separation process, accessible free-standing, above-ground configuration, and reduced routine mechanical maintenance requirements.

Subject to confirmation of the applicable procurement requirements and approval of the appropriate findings by the District, AECOM recommends specifying the Oldcastle/Hydro Grit King system as the proprietary/sole-source grit removal equipment for the Project.

**DOCUMENT 00 1113
NOTICE TO CONTRACTORS**

ARTICLE 1 – INVITATION TO BID

- 1.01 Notice Inviting Bids:** Rosamond Community Services District (hereinafter “Owner”) will receive sealed Bids at the Rosamond Community Services District office, **3179 35th Street West, Rosamond, California 93560** until **2:00 p.m. on Tuesday, December 15th, 2026**, for the following public work:

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

- 1.02 Project Description:** The project, in general, consists of improving the grit removal process by adding a grit removal system along with the required electrical and instrumentation components. The work will consist of the construction of grit removal facilities, including the installation of equipment and the modification of existing piping. The Board of Directors has made a finding that the Grit King Grit Removal system is a necessary item that is available from only one source pursuant to PCC § 3400(c)(3). Work shall be completed within **two hundred sixty (260) Working Days** from the date when the Contract Time commences to run.

- 1.03 Procurement of Bidding Documents:** Interested Bidders shall access the bid documents via the link at [Engineering & Planning - Rosamond Community Services District](#). It is the sole responsibility of the Bidder to contact the Owner at 661-256-3411 to verify that all addenda have been received. Addenda may be obtained from the Owner's website or from the Owner. Bid Proposals that do not contain a signed cover sheet for all addenda may, in the sole discretion of the Owner, be rejected as non-responsive.

- 1.04 Instructions:** Bidders shall refer to Document 00 2113 Instructions to Bidders for the required documents and items to be submitted in a sealed envelope. Sealed proposals will be received on the date and time indicated in Paragraph 1.01, at the following location:

Delivered in person, by courier service or by mail to the Rosamond Community Services District, 3179 35th Street West, Rosamond, CA 93560.

It is the sole responsibility of the Bidder to arrive at the Owner's lobby at least ten (10) minutes prior to the bid receipt deadline to receive a test time stamp. The time stamp clock in the main lobby of the Owner shall be the official time. Any bid received at or after **2:00 p.m.** will be returned unopened. Soon after **2:00 p.m.** the bids will be publicly opened and read in the Board Chambers at the Owner's address listed above.

- 1.05 Mandatory Pre-Bid Site Visit:** Owner will conduct a **Mandatory Pre-Bid Conference and Site Visit** at:

**Rosamond Community Services District Office
3179 35th Street West
Rosamond, CA
on
Thursday, November 19th, at 10:00 a.m.**

- 1.06 Bid Preparation Cost:** Bidders are solely responsible for the cost of preparing their Bids.

- 1.07 Reservation of Rights:** Owner specifically reserves the right, in its sole discretion, to reject any or all Bids, to re-bid, or to waive inconsequential defects in bidding not involving time, price or quality of the work.

ARTICLE 2 – LEGAL REQUIREMENTS

- 2.01 Required Contractor's License(s):** A California "A" contractor's license is required to bid this contract. Joint ventures must secure a joint venture license prior to award of this Contract.
- 2.02 Substitution of Securities:** Owner will permit the successful bidder to substitute securities for any retention monies withheld to ensure performance of the contract, as set forth in Document 00 6210 Escrow Agreement For Security Deposits In Lieu Of Retention and incorporated herein in full by this reference, in accordance with Section 22300 of the California Public Contract Code.
- 2.03 Prevailing Wage Laws:** Pursuant to Part 7 of Division 2 of the California Labor Code (Section 1720 et seq.) the Contractor shall pay not less than the prevailing rate of wages to workers on this project as determined by the Director of the California Department of Industrial Relations. The Director's schedule of prevailing rates is on file and open for inspection at the Rosamond Community Services District, 3179 35th Street West, Rosamond CA, 93560, and is incorporated herein by this reference.

This project may be subject to monitoring and enforcement by the Department of Industrial Relations (DIR), including the obligation to submit certified payroll records directly to the DIR Compliance Monitoring Unit (CMU) at least monthly in a format prescribed by the Labor Commissioner. The contractor must post job site notices as prescribed by DIR regulation.

- 2.04 Required Registration with the State of California Department of Industrial Relations:** Pursuant to California Labor Code 1725.5, all contractors and subcontractors must be registered with the Department of Industrial Relations (DIR) in order to be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any public work contract. Detailed information about contractor's responsibilities and online registration may be obtained on the State of California Department of Industrial Relations, Public Works website, <http://www.dir.ca.gov/Public-Works/PublicWorks.html>
- 2.05** For projects without Federal Funding, each Bidder must be licensed, as required by law, at the time the bid is submitted. For projects with Federal Funding, each Contractor must be licensed at the time the Contract is awarded.

END OF DOCUMENT

CONSTRUCTION PLANS FOR:

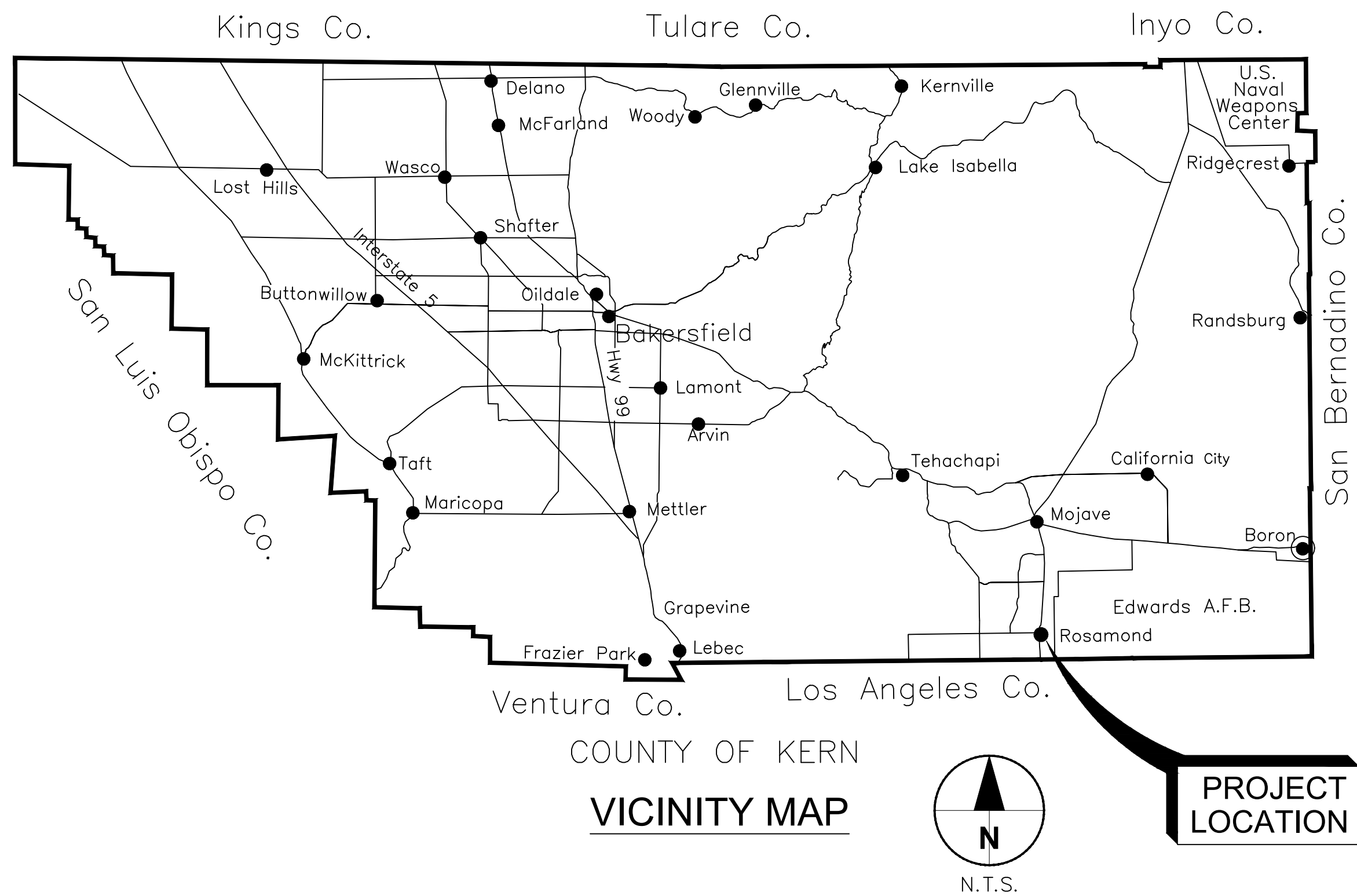
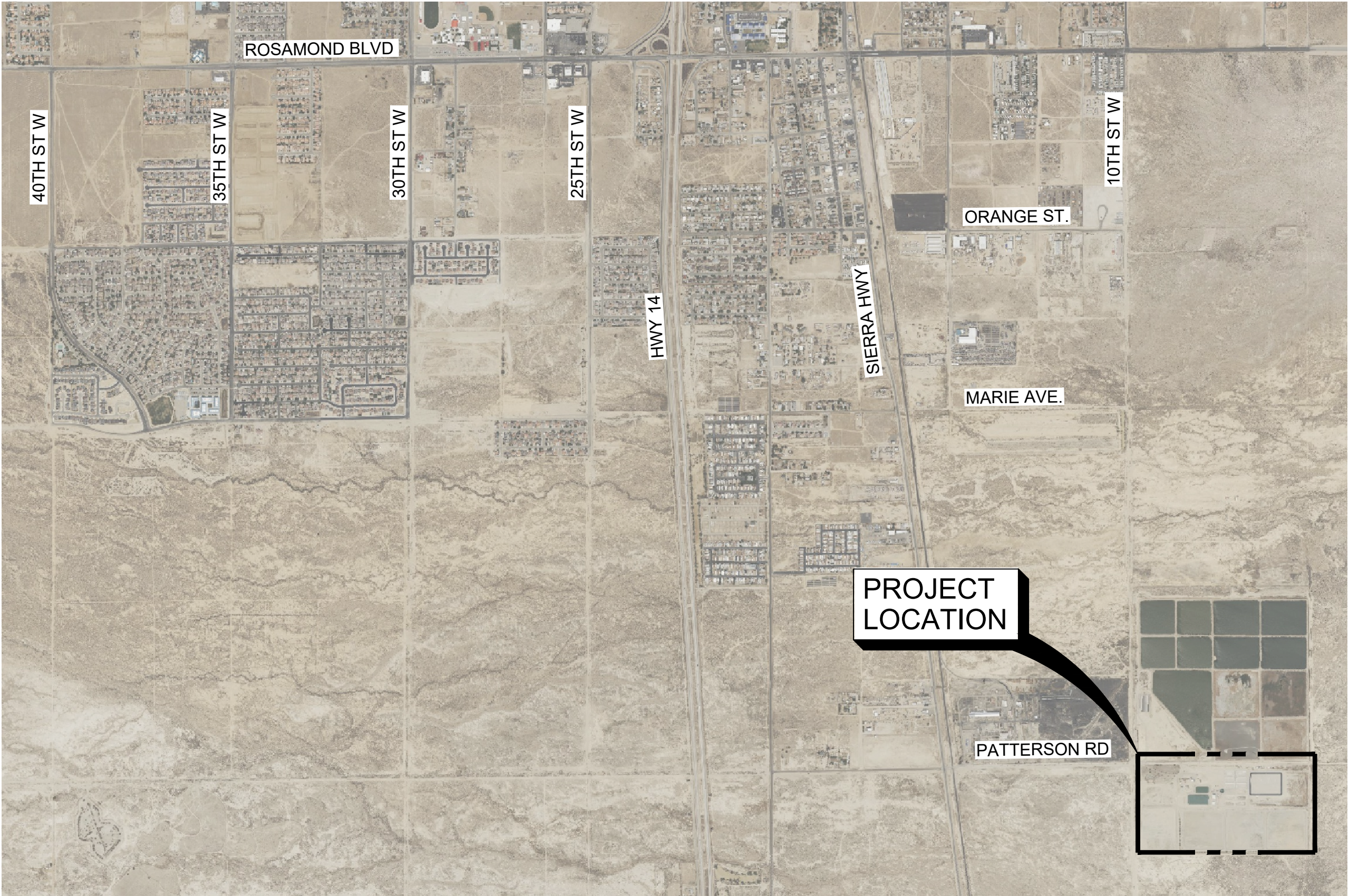
ROSAMOND COMMUNITY SERVICES DISTRICT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

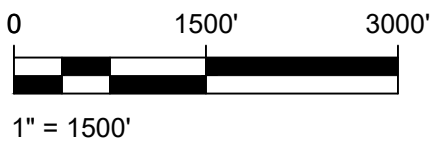
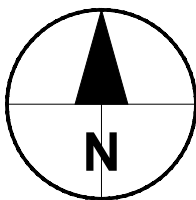
KERN COUNTY, CALIFORNIA

SEPTEMBER 2026

SHEET INDEX		
PAGE NO.	SHT. NO.	SHEET TITLE
GENERAL		
1	G01	COVER SHEET & SHEET INDEX
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3	G03	DESIGN CRITERIA, SCHEDULES, AND MATERIALS LIST
4	G04	PROCESS FLOW DIAGRAM
5	G05	HYDRAULIC PROFILE
CIVIL		
6	C01	OVERALL SITE PLAN AND SITE SURVEY CONTROL
7	C02	STAGING AREA AND DEMOLITION PLAN
8	C03	GRADING PLAN
9	C04	GRIT REMOVAL SYSTEM SITE PLAN
10	C05	GRIT REMOVAL SYSTEM SECTIONS
11	C06	SLUDGE PUMP STATION PLAN AND SPLITTER BOX & VALVE VAULT PLAN
12	CD01	CIVIL DETAILS - 1
13	CD02	CIVIL DETAILS - 2
14	CD03	CIVIL DETAILS - 3
STRUCTURAL		
15	S01	GRIT SYSTEM FOUNDATION PLAN AND SECTIONS
16	S02	SPLITTER BOX FOUNDATION PLAN, TOP PLAN, AND SECTIONS
17	S03	GRIT REMOVAL TANK LADDER, HANDRAIL, AND SAFETY CAGE
18	SD01	STRUCTURAL GENERAL NOTES AND DESIGN CRITERIA
ELECTRICAL		
20	E01	ELECTRICAL LEGEND AND ABBREVIATIONS
21	E02	PARTIAL ELECTRICAL SITE PLAN
22	E03	SINGLE LINE DIAGRAM (1 OF 2)
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24	E05	PANEL SCHEDULES
INSTRUMENTATION		
25	N01	PROCESS LEGEND
26	N02	INSTRUMENTATION LEGEND
27	N03	GRIT CHAMBER P&ID
28	N04	SLUDGE PUMP STATION - 1
29	N05	SLUDGE PUMP STATION - 2
30	N06	INSTRUMENTATION DETAILS



LOCATION MAP



CLIENT



Rosamond Community Services District

ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

APPROVED BY
RCSD BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS _____ DATE _____

RECOMMENDED FOR APPROVAL

GENERAL MANAGER _____ DATE _____

AECOM

AECOM
5001 E. Commercenter Dr. Suite 100
Bakersfield, CA 93309
661.283.2323 tel
www.aecom.com

CONSULTANT STAMP



CONSULTANT STAMP



DATE	REV	DESCRIPTION
6-15-26	A	ISSUED FOR 90% REVIEW
9-1-26	B	ISSUED FOR BID

DATE 5/18/2026	SHEET NO.
DESIGNED BY PM	G01
DRAWN BY DG	
CHECKED BY WB	
JOB NO. 60730277	PAGE 1 OF 30
DRAWING FILE 60730277-G01.dwg	

COVER SHEET & SHEET INDEX

z:\bakersfield\labkit\Legacy\Work\RO4\60730277 - wwtp grit removal system improvements\900 cad\02-S&E\ETS\General\60730277-G01.dwg

GENERAL NOTES

- THE ROSAMOND COMMUNITY SERVICES DISTRICT (RCSd) ENGINEERING DEPARTMENT, ALSO KNOWN AS THE OWNER'S REPRESENTATIVE, SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. TELEPHONE (661) 256-3411.
2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
3. INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
4. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. DRAWINGS SHALL NOT BE SCALED. REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE.
5. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS CONFLICT WITH THE PROJECT SPECIFICATIONS THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK. REPORT DISCREPANCIES TO OWNER'S REPRESENTATIVE.
6. ALL WORK SHALL CONFORM TO THE STANDARDS OF THE FOLLOWING:

ALL WORK UNLESS SPECIFICALLY CALLED OUT OTHERWISE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE RCSd AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING BUT NOT LIMITED TO KERN COUNTY, CAL/OSHA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, AWWA, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.
7. SPECIFICATIONS, CODES, AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED. MATERIAL SPECIFICATIONS SHALL COMPLY WITH ASTM REFERENCED STANDARDS LATEST EDITION.
8. MANUFACTURED MATERIALS SHALL REQUIRE APPROVAL BY THE AUTHORITY HAVING JURISDICTION (AHJ) PRIOR TO THEIR USE.
9. CAREFULLY REVIEW THE DRAWINGS TO IDENTIFY THE EXTENT OF THE SCOPE OF WORK. VISIT THE SITE TO RELATE THE SCOPE OF WORK TO EXISTING CONDITIONS AND DETERMINE THE EXTENT TO WHICH THOSE CONDITIONS AND PHYSICAL SURROUNDINGS WILL IMPACT THE WORK WITHOUT PRIOR WRITTEN APPROVAL.
10. RESOLVE ANY CONFLICTS ON THE CONSTRUCTION DOCUMENTS WITH THE OWNER'S REPRESENTATIVE FOR REVIEW/APPROVAL BEFORE PROCEEDING WITH THE WORK. SUBSTITUTIONS OF PRODUCTS OR MATERIALS SPECIFIED ON THE CONSTRUCTION DOCUMENTS ARE NOT ALLOWED.
11. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED PROJECT. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE MEANS, METHOD, TECHNIQUES, SEQUENCE, AND PROCEDURE OF CONSTRUCTION AS REQUIRED. SITE VISITS PERFORMED BY THE OWNER'S REPRESENTATIVE DO NOT INCLUDE INSPECTIONS OF MEANS AND METHODS OF CONSTRUCTION PERFORMED BY CONTRACTOR.
12. SECURE ALL EXCAVATIONS AND WORK AREAS DURING NON-WORK HOURS WITH TEMPORARY FENCING AND/OR PLATING.
13. FIELD VERIFY AND FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS OF THE PROJECT PRIOR TO DEMOLITION WORK AS NOT ALL OBSTRUCTIONS MAY BE ILLUSTRATED ON THESE DRAWINGS. ANY OBSTRUCTIONS THAT MAY INTERFERE WITH THE WORK NEED TO BE ADDRESSED BY AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
14. CONTACT UTILITY COMPANIES AND AGENCIES WITH SERVICES IN THE AREA PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES AND COORDINATE WITH THE UTILITY FACILITIES AFFECTED BY THE CONSTRUCTION. CONTACT DIG ALERT (811) 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION, FOR UNDERGROUND UTILITY LOCATION SERVICES.
15. VERIFY EXISTING PIPELINE SIZE, TYPE OF MATERIAL, AND WALL THICKNESS PRIOR TO PERFORMING ANY WORK ON THE EXISTING PIPE. IF THE EXISTING PIPELINE MATERIAL DIFFERS FROM THE SPECIFIED PIPE, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.
16. ALL EXISTING IMPROVEMENTS OR UTILITIES OUTSIDE OF THE LIMITS OF WORK ARE TO BE PRESERVED OR PROTECTED. OFFSITE IMPROVEMENTS THAT ARE REMOVED, DAMAGED, OR UNDERCUT FROM CONSTRUCTION ACTIVITIES, SHALL BE REPAIRED, OR REPLACED AS DIRECTED BY THE AHJ AT CONTRACTOR'S EXPENSE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT A DUST NUISANCE FROM ORIGINATING AT THE SITE AS A RESULT OF ITS OPERATIONS. THE CONTRACTOR SHALL OBTAIN A DUST PERMIT IF REQUIRED FROM THE REGIONAL AIR DISTRICT AND CONFORM TO REQUIREMENTS THEREIN.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE SITE AT ALL TIMES. OWNER SHALL NOT BE RESPONSIBLE FOR LOSS OR DAMAGE OF CONTRACTOR'S EQUIPMENT OR MATERIAL DURING THE COURSE OF THE PROJECT.

CONSTRUCTION NOTES

1. DESIGN INTENT: THE OVERALL DESIGN INTENT IS TO IMPROVE THE GRIT REMOVAL PROCESS BY ADDING A GRIT REMOVAL SYSTEM ALONG WITH THE REQUIRED ELECTRICAL AND INSTRUMENTATION COMPONENTS. THE WORK WILL CONSIST OF CONSTRUCTION OF GRIT REMOVAL FACILITIES INCLUDING INSTALLATION OF EQUIPMENT AND MODIFYING EXISTING PIPING.
2. ONSITE UTILITIES: VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT. PRESERVE AND PROTECT UTILITIES IN PLACE THROUGHOUT THE DURATION OF THE PROJECT. ANY DAMAGE TO EXISTING UTILITIES THAT IS A DIRECT RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. PIPELINE TRENCH AND PIPE ZONE: CONFORM TO PLANS AND SPECIFICATIONS. SEE SHEETS CD01 & CD02.
4. CONCRETE: CONCRETE SHALL CONFORM TO THE PLANS AND SPECIFICATIONS
5. EXISTING PIPE LOCATIONS: FIELD VERIFY ALL EXISTING PIPE LOCATIONS FOR POINTS OF CONNECTION TO VALIDATE PLAN AND REPORT ANY DIFFERENCES TO ENGINEER. APPROVAL TO CONSTRUCT WILL BE BY DIRECTION FROM THE OWNER'S REPRESENTATIVE IN THE FIELD.
6. NOTIFICATION OF THE OWNER'S REPRESENTATIVE: NOTIFY OWNER'S REPRESENTATIVE AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY WORK AND IN PARTICULAR WORK AFFECTING EXISTING IMPROVEMENTS.
7. JOB SITE CONDITIONS: CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS SHALL ALSO INCLUDE EXCAVATION RELATED SAFETY. CONTRACTOR SHALL NEVER LEAVE THE SITE WITHOUT PROPERLY SAFEGUARDING THE PUBLIC FROM INJURY RELATED TO CONSTRUCTION OPERATIONS. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
8. UNAUTHORIZED CHANGES AND USES: THE ENGINEER WHO PREPARED THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO PLANS OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS SHALL BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
9. NEATNESS TO BE MAINTAINED: KEEP SITE AND ADJACENT AREAS AFFECTED BY THE PROJECT, IN A NEAT AND ORDERLY MANNER WITH A MINIMUM OF CONSTRUCTION DEBRIS. WET DOWN DRY MATERIALS AND RUBBISH TO PREVENT BLOWING DUST. AT THE CLOSE OF EVERY BUSINESS DAY, ENSURE THAT ALL DEBRIS AND RUBBISH IS GATHERED AND DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE. AT PROJECT COMPLETION, PROVIDE FINAL CLEANING AS DIRECTED BY THE OWNER'S REPRESENTATIVE. FINAL CLEANING SHALL INCLUDE BUT NOT BE LIMITED TO SWEEPING, GREASE REMOVAL, PATCHING, POLISHING, REPAIR, TOUCH UP MARRED SURFACES, RAKING, REMOVAL OF MATERIALS AND WASHDOWN.
10. SAMPLING AND TESTING: SOILS, AGGREGATE BASE AND CONCRETE WILL BE SAMPLED AND TESTED BY THE DISTRICT FOR CONFORMANCE TO DESIGN REQUIREMENTS.
11. PIPELINE TRENCH AND PIPE ZONE: PIPE BEDDING SHALL BE GRANULAR MATERIAL FREE FROM CLAY BALLS, ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AND CONFORM TO THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING BY WEIGHT
3/8 INCH	100
NO. 4	75 TO 100
NO. 30	12 TO 50
NO. 100	5 TO 20
NO. 200	0 TO 10

MATERIAL SHALL HAVE A MINIMUM SAND EQUIVALENT OF 30 PER ASTM D2419.

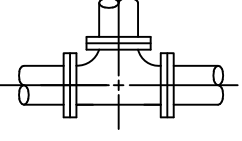
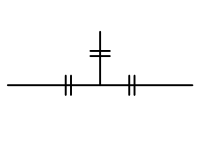
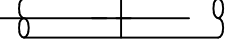
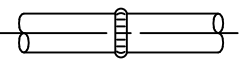
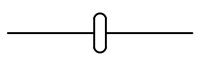
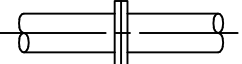
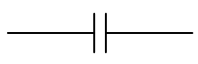
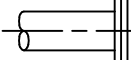
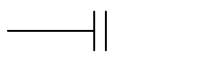
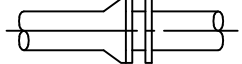
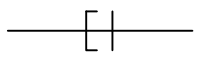
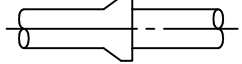
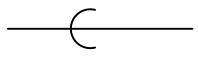
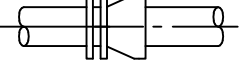
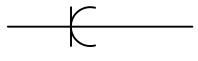
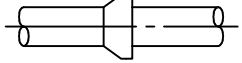
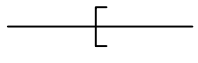
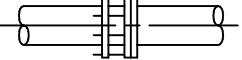
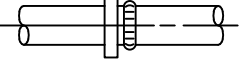
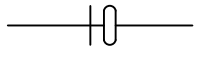
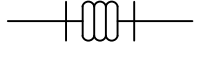
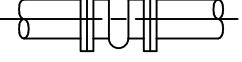
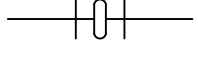
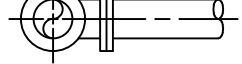
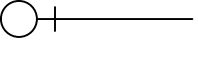
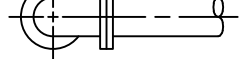
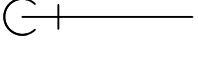
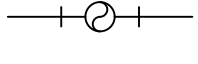
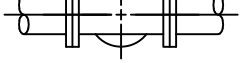
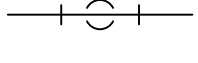
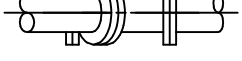
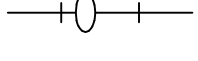
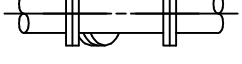
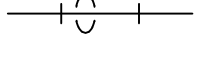
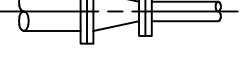
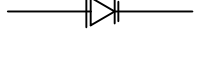
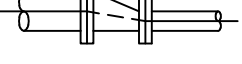
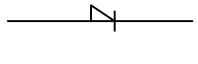
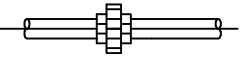
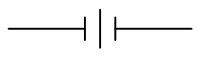
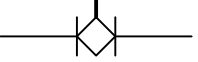
GRADING NOTES

1. **CALIFORNIA BUILDING CODE REQUIREMENT:** ALL GRADING AND EXCAVATION WORK SHALL CONFORM TO THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE.
2. **DESIGN INTENT:** THE INTENT OF THE DESIGN IS AS DESCRIBED UNDER CONSTRUCTION NOTE 1. THE PROJECT IS ANTICIPATED NOT TO REQUIRE IMPORT OR EXPORT OF MATERIAL FROM THE WASTEWATER TREATMENT PLANT CONTIGUOUS AREA. ROSAMOND COMMUNITY SERVICES DISTRICT STAFF WILL PROVIDE LOCATIONS FOR BORROW OR STOCKPILE ON THE PLANT SITE AS REQUIRED.
3. **FINISH SURFACE GRADES:** DESIGN GRADES SHOWN ON PLANS ARE TO FINISH SURFACE. CONTRACTOR TO SUBTRACT STRUCTURAL SECTION THICKNESS OF PAVEMENT, BASE ROCK, SLAB AND BEDDING MATERIAL THICKNESSES TO ARRIVE AT DESIGN SUBGRADE ELEVATIONS.
4. **GEOTECHNICAL REPORT:** A GEOTECHNICAL ENGINEERING REPORT WAS PREPARED FOR THIS PROJECT BY BSK ASSOCIATES ON AUGUST 31, 2018 (BSK PROJECT G18-169-11B). UNLESS SPECIFICALLY CALLED OUT OTHERWISE ON THE PLANS OR DIRECTED BY THE OWNER'S REPRESENTATIVE, CONTRACTOR SHALL CONFORM TO THE RECOMMENDATIONS OF THE REPORT AND AMENDMENTS THERETO.
5. **SPECIFIC GEOTECHNICAL REQUIREMENTS:** AS STATED IN NOTE 4 ABOVE, CONTRACTOR TO FOLLOW THE REQUIREMENTS OF THE GEOTECHNICAL REPORT. CONTRACTOR'S ATTENTION IS BROUGHT TO THE FOLLOWING SPECIFIC GEOTECHNICAL REQUIREMENTS. THE AREA PROPOSED FOR IMPROVEMENTS GRIT CHAMBER SHALL BE CLEARED OF SURFACE VEGETATION AND DEBRIS. MATERIAL RESULTING FROM CLEARING AND STRIPPING OPERATIONS SHALL BE REMOVED AND PROPERLY DISPOSED OF WHERE DIRECTED BY DISTRICT. IN ADDITION, REMOVE ALL UNDOCUMENTED FILLS WHERE FILLS OR STRUCTURAL IMPROVEMENTS WILL BE PLACED. FOLLOWING STRIPPING AND REMOVAL, OVER-EXCAVATE AND REPLACE ALL EXISTING SOIL WITH AN EXPANSION INDEX (EI) GREATER THAN OR EQUAL TO 35. REPLACE WITH NON-EXPANSIVE MATERIALS (EI LESS THAN 35) WITHIN THE UPPER 2-FEET OF THE BOTTOM OF FOUNDATIONS OR BELOW EXISTING GRADE WHICHEVER IS DEEPER. EXCAVATIONS SHALL EXTEND AT LEAST 5-FEET HORIZONTALLY FROM EDGE OF FOUNDATIONS OR TOE OF EMBANKMENTS WHICHEVER IS GREATER. THE EXISTING ON-SITE SOILS WITH AN EI GREATER THAN 35 ARE SUITABLE FOR RETURN AS FILL BELOW A DEPTH OF TWO FEET BELOW THE BOTTOM OF SLABS-ON-GRADE
6. **EARTHWORK:** CLEAR EXISTING DEBRIS, PLANT MATERIAL, SLUDGE, AND OTHER DELETERIOUS ITEMS WITHIN THE LIMITS OF WORK AS DIRECTED BY THE ENGINEER. SCARIFY, MOISTURE CONDITION UP TO 2% ABOVE OPTIMUM, AND COMPACT SOIL IN ACCORDANCE WITH ASTM D 1557. THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY SHALL APPLY:
- | | |
|---|-----|
| a. PIPELINE TRENCH AND PIPE ZONE (CONSTRUCTION NOTE 5): | 90% |
| b. TOP 24" OF SUBGRADE BELOW FOUNDATIONS: | 90% |
| c. TOP 24" OF SUBGRADE BELOW AGGREGATE BASE BELOW SLABS ON GRADE (SEE 6.F BELOW): | 90% |
| d. TOP 12" OF SUBGRADE BELOW CONCRETE COLLARS: | 90% |
| e. TOP 12" OF SUBGRADE IN AREAS WITH AGGREGATE BASE SURFACING: | 90% |
| f. SLABS-ON-GRADE SHALL REST ON 4-INCHES OF COMPACTED CLASS 2 AGGREGATE BASE: | 90% |
7. **EARTHWORK:** CLEAR EXISTING DEBRIS, PLANT MATERIAL AND OTHER ITEMS WITHIN THE LIMITS OF WORK AS DIRECTED BY THE OWNER'S REPRESENTATIVE. SCARIFY, MOISTURE CONDITION, COMPACT SOIL, AND TEST FOR COMPACTION IN ACCORDANCE WITH ASTM D 1557. THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY SHALL APPLY:
- | | |
|---|-----------------------|
| a. PIPELINE TRENCH AND PIPE ZONE: | 90% (NON-PAVED AREAS) |
| b. PIPELINE TRENCH ZONE: | 95% (PAVED AREAS) |
| c. SELECTIVE MATERIAL OR SAND ABOVE PIPE (12" MIN): | 90% |
| d. TOP 12" OF SUBGRADE IN PAVED AREAS | 95% |
| e. AGGREGATE BASE IN PAVED AREAS | 95% |

ABBREVIATIONS

AB	ABERATION BASIN DISCHARGE
ABI	ABERATION BASIN INFLUENT
AC	ASPHALT CONCRETE PAVEMENT
AFF	ABOVE FINISH FLOOR
ARV	AIR RELEASE VALVE
BLF	BLIND FLANGE
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BTM	BOTTOM
BW	BACKWASH
CLR	CLEAR
CONC	CONCRETE
CONT	CONTINUOUS
COR	CORNER
CPLG	COUPLING
CS	COLD SLUDGE
DI	DUCTILE IRON
DIA	DIAMETER
DR	DRAIN
(E)	EXISTING
E	EAST
EA	EACH
EF	EACH FACE
EG	EXISTING GRADE
EL	ELEVATION
EW	EACH WAY
EX	EXISTING
EXT	EXTERIOR
F	FAHRENHEIT
FCA	FLANGED COUPLING ADAPTER
FD	FLOOR DRAIN
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FIN	FINISH
FL	FLOWLINE
FLG'D	FLANGED
FS	FINISH SURFACE
GA	GAUGE
GAL	GALLON
GDRL	GRIT DRAIN RETURN LINE
GPM	GALLONS PER MINUTE
GRE	GRIT REMOVAL EFFLUENT
GRIT	GRIT PIPING
HB	HOSE BIBB
HI	HIGH
HI PT	HIGH POINT
HP	HORSEPOWER
INT	INTERIOR
INV	INVERT
LF	LINEAR FEET
LN	LANE
LO	LOW
MAT'L	MATERIAL
MAX	MAXIMUM
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NORTH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NUMBER/NORMALLY OPEN
OD	OUTSIDE DIAMETER
OC	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
PI	PRESSURE INDICATOR
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
PW	PLANT WATER
R	RADIUS
RAS	RETURN ACTIVATED SLUDGE
RD	ROAD
RO	ROUGH OPENING
RS	RAW SLUDGE / RAW SEWAGE
S	SOUTH
SCH	SCHEDULE
SDR	STANDARD DIMENSION RATIO
SEC	SECTION
SG	SLIDE GATE
SPEC	SPECIFICATION
SQ	SQUARE
ST	STREET
SST	STAINLESS STEEL
T	TELEPHONE-TELEMETRY-THICKNESS
T&B	TOP AND BOTTOM
TBM	TEMPORARY BENCH MARK
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TS	TRANSFER SLUDGE
TYP	TYPICAL
USGS	UNITED STATES GEOLOGICAL SURVEY
UW	UTILITY WATER
W	WATER/WEST
WAS	WASTE ACTIVATED SLUDGE
W/	WITH
XFRM	TRANSFORMER

PIPE AND FITTING SYSTEM

		FLANGED TEE
		WELDED JOINT
		GROOVED END JOINT
		FLANGED JOINT
		BLIND FLANGE
		MECHANICAL JOINT
		BELL & SPIGOT JOINT
		FLANGE X HUB ADAPTER
		HUB & SPIGOT JOINT (RUBBER GASKET)
		FLANGED COUPLING ADAPTER
		GROOVED END ADAPTER FLANGE
		FLEXIBLE COUPLING
		FLEXIBLE COUPLING WITH THRUST TIES
		STEEL BELLOWS XP JOINT
		ELASTOMER BELLOWS XP JOINT
		ELBOW UP (TOWARD VIEWER)
		ELBOW DOWN (AWAY FROM VIEWER)
		TEE UP (TOWARD VIEWER)
		TEE DOWN (AWAY FROM VIEWER)
		LATERAL UP (TOWARD VIEWER)
		LATERAL DOWN (AWAY FROM VIEWER)
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		UNION
		MOTORIZED PLUG VALVE
		PLUG VALVE
		CHECK VALVE
		PUMP

LEGEND

Diagram illustrating symbols for various details and lines:

- DETAIL DESCRIPTION**: Indicated by a curved arrow pointing to a circle.
- DETAIL NUMBER**: Indicated by the number '1' inside the circle.
- SHEET NUMBER WHERE DETAIL CAN BE FOUND**: Indicated by the text 'CD01' inside the circle.
- RIGHT OF WAY/PROPERTY LINE**: Indicated by a dashed line.
- CENTERLINE/BASELINE**: Indicated by a solid line.
- SEWER LINE**: Indicated by a dashed line with the letter 'S' in the middle.
- WATER LINE W/ SIZE**: Indicated by a solid line with the text 'W4' in the middle.
- ELECTRICAL CONDUIT**: Indicated by a solid line with the letter 'E' in the middle.

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PIPE SCHEDULE

PIPING I.D.	FLOW STREAM I.D.	PIPE MATERIAL ABBREVIATION	PIPE MATERIAL	SPECIFICATION	TEST PRESSURE PSI*	REMARKS	COLOR CODE FOR EXPOSED PIPING	LINING	COATING
RS	RAW SEWAGE	DUCTILE IRON	DIP	402040	50	BURIED / EXPOSED	BROWN	FUSION BONDED EPOXY (SYSTEM 1)	BURIED-EPOXY (SYSTEM 21)
GRIT	GRIT PIPING	DUCTILE IRON	DIP	402040	50	BURIED / EXPOSED	BROWN	FUSION BONDED EPOXY (SYSTEM 1)	BURIED-EPOXY (SYSTEM 21)
GRE	GRIT REMOVAL EFFLUENT	DUCTILE IRON	DIP	402040	50	BURIED / EXPOSED	BROWN	FUSION BONDED EPOXY (SYSTEM 1)	BURIED-EPOXY (SYSTEM 21)
W2	POTABLE WATER	POLYVINYL CHLORIDE	PVC	402090	50	BURIED / EXPOSED	N/A	–	POLYURETHANE (SYSTEM 41-EXPOSED)
RAS	RETURN ACTIVATED SLUDGE	DUCTILE IRON	DIP	402040	50	BURIED	BROWN	FUSION BONDED EPOXY (SYSTEM 1)	BURIED-EPOXY (SYSTEM 21)
ABI	AERATION BASIN INFLUENT	DUCTILE IRON	DIP	402040	50	BURIED	BROWN	FUSION BONDED EPOXY (SYSTEM 1)	BURIED-EPOXY (SYSTEM 21)
GDRL	GRIT DRAIN RETURN LINE	DUCTILE IRON	DIP	402040	50	BURIED / EXPOSED	BROWN	FUSION BONDED EPOXY (SYSTEM 1)	BURIED-EPOXY (SYSTEM 21)
DRAIN	DRAIN LINE	DUCTILE IRON	DIP	402040	50	BURIED / EXPOSED	BROWN	FUSION BONDED EPOXY (SYSTEM 1)	BURIED-EPOXY (SYSTEM 21)

* ALL PIPING SHALL BE HYDROSTATICALLY TESTED WITH WATER UNLESS NOTED OTHERWISE.

DESIGN CRITERIA

ITEM	EQUIPMENT INFORMATION
GRIT CHAMBER	
NUMBER	1
CAPACITY (MGD)	3
TAG NUMBER	10GS-1
GRIT CLASSIFIER	
NUMBER	1
TAG NUMBER	10GC-1
CAPACITY	0.75 CY / HR
POWER REQUIREMENTS	1 HP

MAJOR PROCESS EQUIPMENT LIST

TAG NO.	DESCRIPTION	SPECIFICATION
10GS-1	GRIT CHAMBER	444239
10GC-1	GRIT CLASSIFIER	444240

VALVE SCHEDULE

TAG NO.	DESCRIPTION	TYPE	SIZE (IN)	SPECIFICATION	REMARKS
10PV-01	NEW GRIT CHAMBER INLET VALVE	510	12"	400520	-
10PV-02	EXISTING GRIT CHAMBER INLET VALVE	520	20"	400520	-
10PV-03	CONNECTION FROM SPLITTER BOX TO EXISTING GRIT CHAMBER OUTLET LINE	520	16"	400520	MOTORIZED
10PV-04	GRIT CLASSIFIER INLET VALVE	510	4"	400520	MOTORIZED
10PV-05*	GRIT CHAMBER DRAIN VALVE	500	2"	400520	-
10PV-06	DISTRIBUTION BOX OUTLET VALVE	520	16"	400520	-
10PV-07	SLUDGE PUMPING STATION OUTLET VALVE	510	6"	400520	MOTORIZED
10PV-08	SLUDGE PUMPING STATION OUTLET VALVE	510	10"	400520	MOTORIZED
10PV-09	SLUDGE PUMP TO SPLITTER BOX	510	6"	400520	-
10PV-10	DISTRIBUTION BOX OUTLET VALVE	510	16"	400520	-
10PV-11	SLUDGE PUMP TO SPLITTER BOX	510	10"	400520	-
10BV-01	GRIT CLASSIFIER OUTLET DRAIN	305	3"	400520	BALL VALVE
10SG-01	SLIDE GATE IN SPLITTER BOX	N/A	15" X 15"	400580	SLIDE GATE
FM-211	FLOW METER	N/A	8"	409115	-

CLIENT



ROSAMOND COMMUNITY SERVICES DISTRICT (RCS D)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT
REMOVAL SYSTEM
IMPROVEMENTS

APPROVED BY
RCS D BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS DATE

RECOMMENDED FOR APPROVAL

GENERAL MANAGER DATE



AECOM
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CONSULTANT STAMP

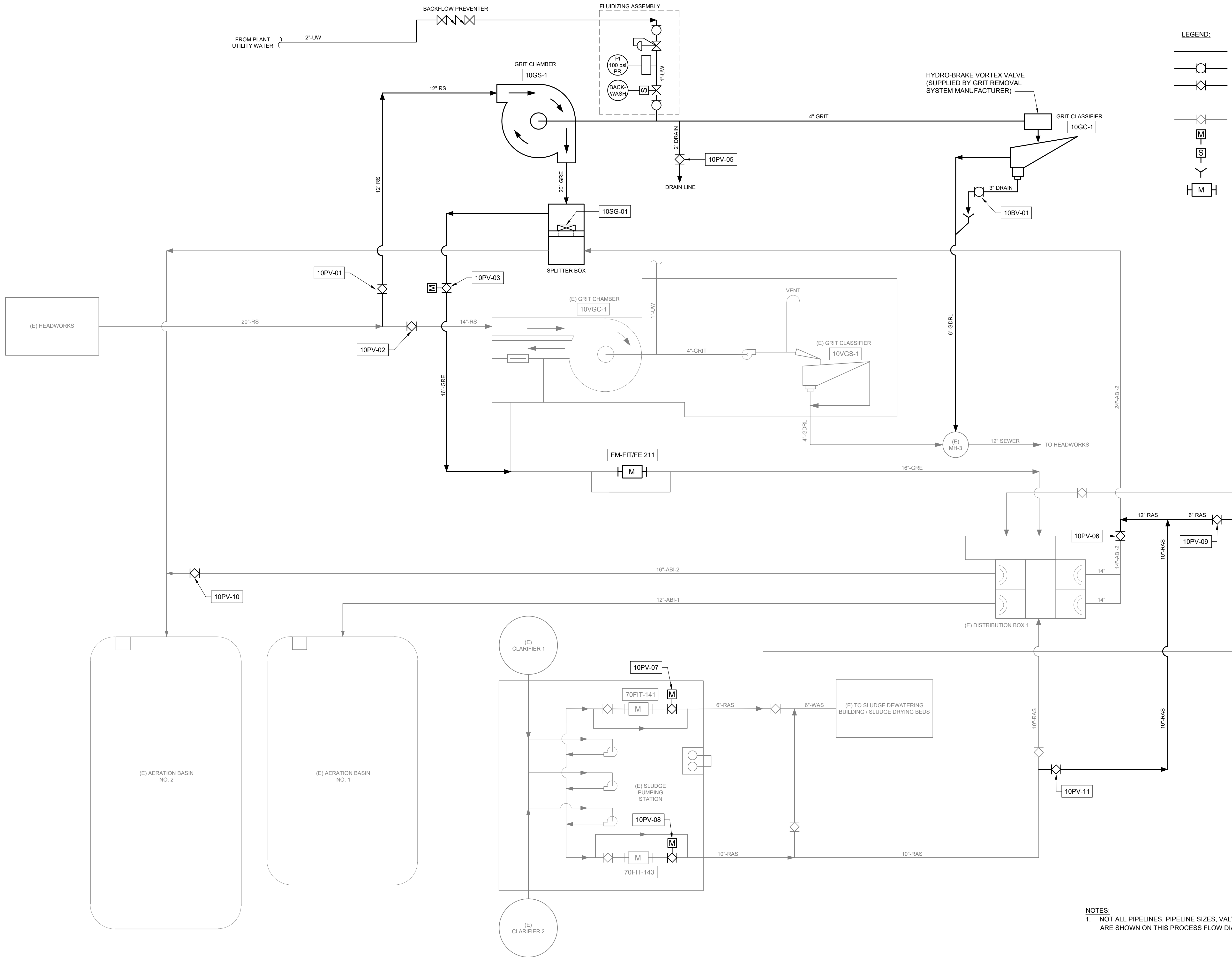


DATE	REV	DESCRIPTION
6-15-26	A	ISSUED FOR 90% REVIEW
9-1-26	B	ISSUED FOR BID

DATE 5/18/2026	SHEET NO.
DESIGNED BY PM	G03
DRAWN BY DG	
CHECKED BY WB	
JOB NO. 60730277	PAGE 3 OF 30
	DRAWING FILE 60730277-G03.dwg

DESIGN CRITERIA, SCHEDULES, AND MATERIALS LIST

L:\Legacy\Work\RO4\60730277 - WWTP Grit Removal System Improvements\900 CAD-9S\900 CAD\02-SHEETS\General\60730277-G04.dwg



CLIENT



ROSAMOND COMMUNITY SERVICES DISTRICT (RCS D)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

APPROVED BY
RCS D BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS DATE

RECOMMENDED FOR APPROVAL

GENERAL MANAGER DATE

AECOM

AECOM
5001 E. Commercenter Dr. Suite 100
Bakersfield, CA 93309
661.283.2323 tel
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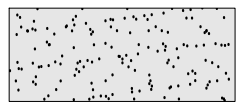
DATE 5/18/2026	SHEET NO. G04
DESIGNED BY PM	
DRAWN BY DG	
CHECKED BY WB	PAGE 4 OF 30
JOB NO. 60730277	DRAWING FILE 60730277-G04.dwg

PROCESS FLOW DIAGRAM

HYDRAULIC PROFILE

1. ELEVATIONS IN FEET AND PLEASE REFER C01 FOR SURVEY AND CONTOUR DATA.
2. RETURN ACTIVATED SLUDGE FLOW IS EQUAL TO 150% OF THE AVERAGE FLOW
3. NOT ALL PIPELINES AND REDUCERS SHOWN ON HYDRAULIC PROFILE FOR SIMPLIFICATION PURPOSES.
4. PIPELINES ARE DIAGRAMMATICALLY SHOWN AND DO NOT REFLECT THE CORRECT ELEVATIONS.
5. HYDRAULIC PROFILE IS BASED ON NOMINAL AND EXISTING PIPE SIZES.
6. FIELD VERIFY THE ELEVATIONS BEFORE CONSTRUCTION.
7. VALUES FOR THE EXISTING PONDS AND UNITS HAVE BEEN TAKEN FROM THE KJ R DRAWINGS 2019, WHILE VALUES FOR THE PROPOSED SYSTEM HAVE BEEN CALCULATED AS PART OF THIS PROJECT.

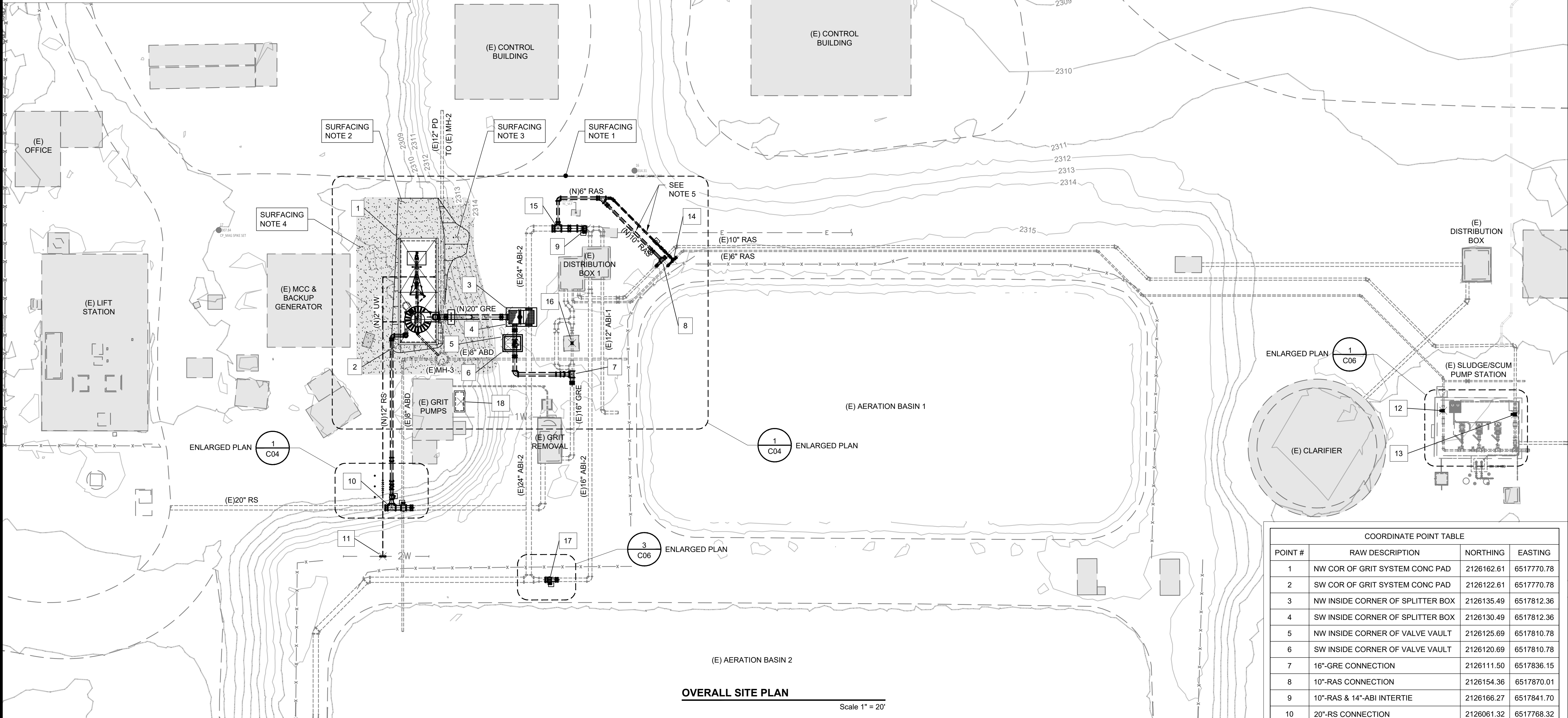
LEGEND



WORK AREA SURFACING

WORK AREA SURFACING NOTES

1. WITHIN PROJECT AREA, RESTORE ALL SURFACES DISTURBED DURING CONSTRUCTION ACTIVITIES WITH 6-INCHES OF ASPHALT CONCRETE GRINDINGS COMPACTED TO 90% OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 1557.
2. CONSTRUCT 6-INCHES OF ASPHALT CONCRETE GRINDINGS COMPACTED TO 90% OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 1557 ONTO GRADED AREAS ADJACENT TO CLASSIFIER AND GRIT REMOVAL TANK SLAB (15 FEET NORTH, 5-FEET WEST, 5-FEET SOUTH, AND 6-FEET EAST).
3. PROVIDE 4-INCHES OF ASPHALT CONCRETE GRINDINGS ONTO SLOPED AREAS EAST OF NEW CLASSIFIER AND GRIT REMOVAL TANK SLAB. TIE TO NEW 6-INCH ASPHALT GRINDINGS DESCRIBED UNDER NOTE 2 ABOVE AT TOE OF SLOPE TO TOP OF SLOPE BETWEEN THE NORTHERN VEHICLE ACCESS SLOPED AREA TO SOUTH OF NEW CLASSIFIER AND GRIT REMOVAL TANK SLAB. PROOF ROLL SLOPED AREAS AS DIRECTED BY OWNER'S REPRESENTATIVE.
4. WIDEN EXISTING AC GRINDING SURFACING OF THE DRIVE AREA WEST OF NEW CLASSIFIER AND GRIT REMOVAL TANK SLAB TO ALLOW FOR A MINIMUM 12-FOOT WIDE FLAT VEHICULAR ACCESS. SURFACE TO BE 6-INCHES OF ASPHALT CONCRETE GRINDINGS COMPACTED TO 90% OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 1557 AND AS DIRECTED BY OWNER'S REPRESENTATIVE. GRADE AREA SO THAT NEW SURFACING MATCHES AT JOIN WITH EXISTING AND DOES NOT CAUSE PONDING. AT EXISTING UTILITY ACCESS BOXES, GRADE NEW SURFACING TO MATCH AT TOP OF BOX ELEVATION WITH SMOOTH TRANSITION.



OVERALL SITE PLAN

Scale 1" = 20'

SURVEYOR

KSI

DATE OF SURVEY

JUNE 13, 2024

BENCHMARK

CONTROL POINT: 10

DESCRIPTION

REBAR WITH KSI CONTROL PLASTIC CAP

NORTHING:

2126310.02'

EASTING:

6517843.48'

ELEVATION:

2314.36'

BASIS OF BEARINGS

NORTH AMERICAN DATUM OF 1983 (NAD83) CALIFORNIA COORDINATE SYSTEM (CCS). ZONE 5 WAS USED AS THE BASIS OF BEARINGS AS SHOWN HEREON.

BASIS OF ELEVATIONS

THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WAS USED AS THE BASIS OF ELEVATION AS SHOWN HEREON.

POINT OF ORIGIN:

DESIGNATION LA WAAS 1 CORS ARP
CORS ID ZLA1
PID DF9223
EPOCH 2010.00

N:

2042023.83'

E:

6536425.72'

EL:

2611.38'

NOTES:

1. MATCH EXISTING COVER OVER TOP OF WATER PIPE.
2. COORDINATE THE SHUT-DOWN TIE-IN TO THE EXISTING RAW SLUDGE PIPELINE, ABI, GRIT OUTLET AND RAS PIPELINE WITH OWNER.
3. CONTRACTOR TO VERIFY EXISTING PIPELINE MATERIAL, ELEVATION AND LOCATION OF CONNECTION POINT IN THE FIELD PRIOR TO CONSTRUCTION.
4. UW AND RAS PIPELINES SHALL MAINTAIN A MINIMUM OF 3' OF COVER FROM TOP OF PIPE. UNLESS SHOWN DIFFERENTLY ON THE DRAWINGS.
5. CONTRACTOR SHALL VERIFY EXISTING ELECTRICAL LINES FROM ELECTRICAL VAULTS AT CROSSINGS WITH THE 10-INCH RAS LINE AND 6-INCH RAS LINE PRIOR TO CONSTRUCTION.

COORDINATE POINT TABLE

POINT #	RAW DESCRIPTION	NORTHING	EASTING
1	NW COR OF GRIT SYSTEM CONC PAD	2126162.61	6517770.78
2	SW COR OF GRIT SYSTEM CONC PAD	2126122.61	6517770.78
3	NW INSIDE CORNER OF SPLITTER BOX	2126135.49	6517812.36
4	SW INSIDE CORNER OF SPLITTER BOX	2126130.49	6517812.36
5	NW INSIDE CORNER OF VALVE VAULT	2126125.69	6517810.78
6	SW INSIDE CORNER OF VALVE VAULT	2126120.69	6517810.78
7	16"-GRE CONNECTION	2126111.50	6517836.15
8	10"-RAS CONNECTION	2126154.36	6517870.01
9	10"-RAS & 14"-ABI INTERTIE	2126166.27	6517841.70
10	20"-RS CONNECTION	2126061.32	6517768.32
11	2"-UW CONNECTION	2126043.07	6517764.98
12	6" MOTORIZED PLUG VALVE	2126097.80	6518163.64
13	10" MOTORIZED PLUG VALVE	2126096.43	6518190.64
14	6"-RAS CONNECTION	2126154.38	6517874.23
15	6"-RAS & 24"-ABI-2 INTERTIE	2126166.27	6517830.85
16	8" MAG METER	2126123.19	6517836.15
17	16" MANUAL PLUG VALVE	2126034.27	6517827.68
18	CENTER OF ELECTRICAL PAD	2126101.23	6517794.36

CLIENT



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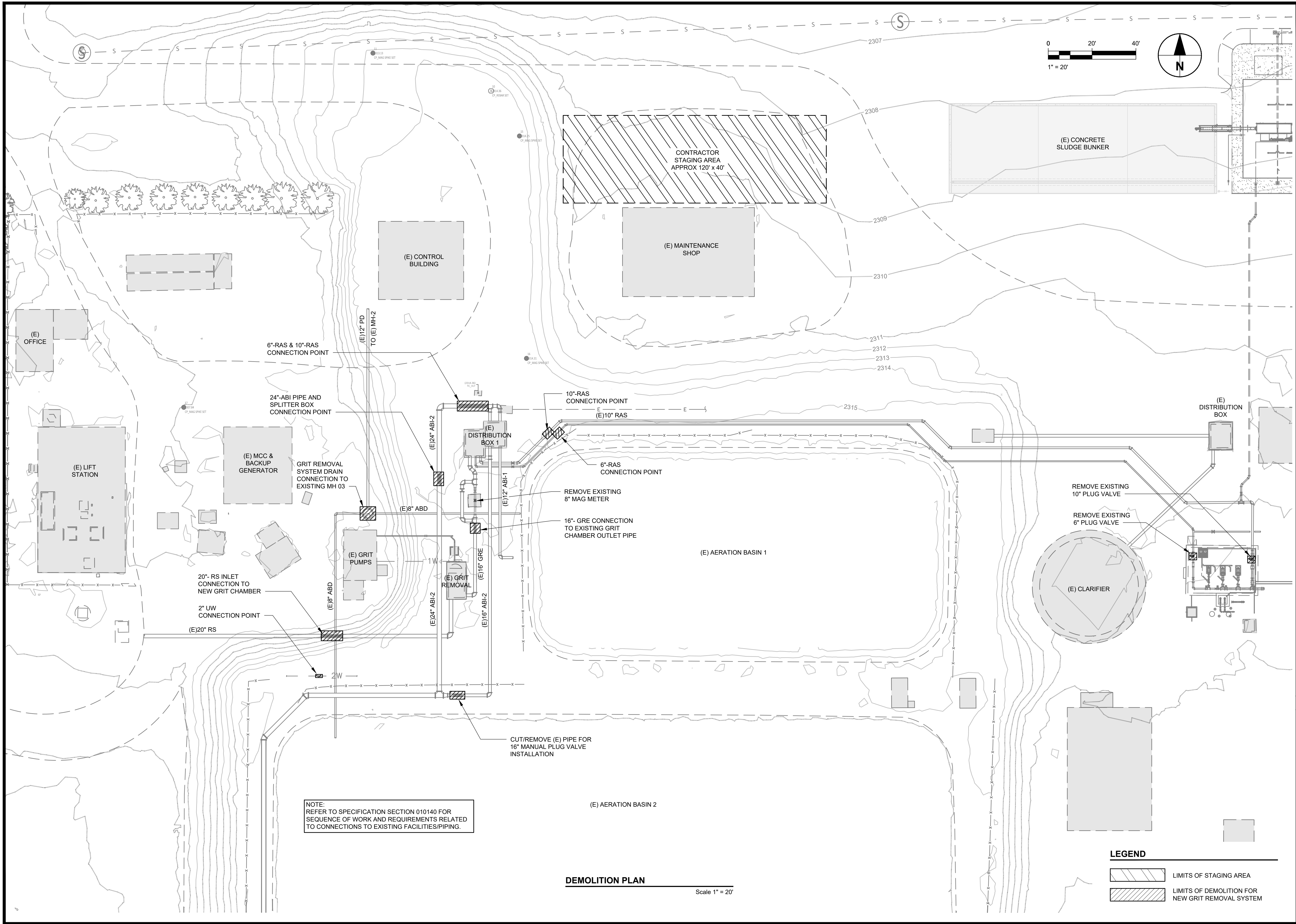


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CHECKED BY WB	
JOB NO. 60730277	
PAGE 6 OF 30	DRAWING FILE 60730277-C01.dwg
OVERALL SITE PLAN AND SITE SURVEY CONTROL	

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DEMOLITION PLAN

Scale 1" = 20'

LEGEND

- LIMITS OF STAGING AREA
- LIMITS OF DEMOLITION FOR NEW GRIT REMOVAL SYSTEM

CLIENT



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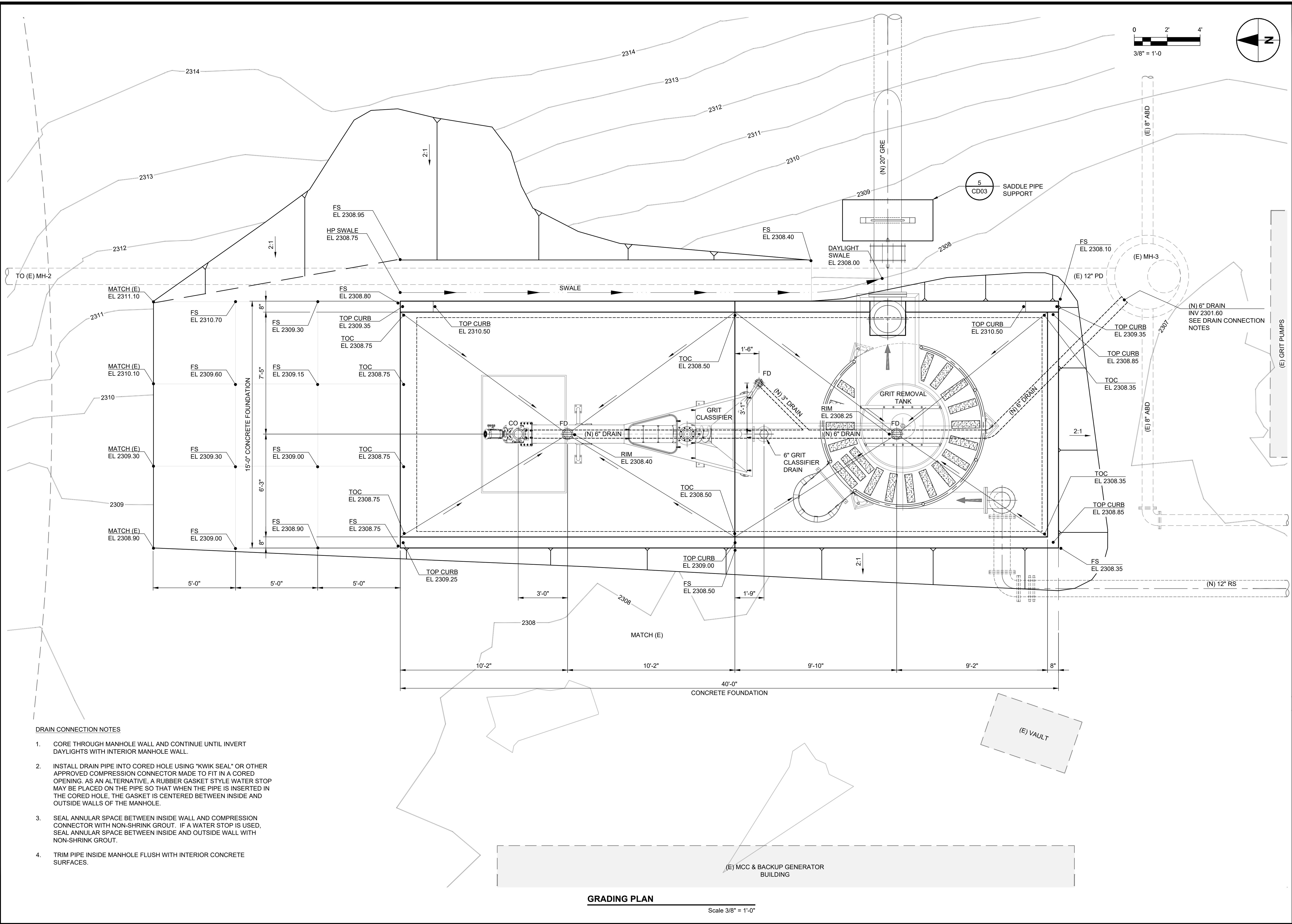


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6-15-26	A	ISSUED FOR 90% REVIEW
9-1-26	B	ISSUED FOR BID

DATE 5/18/2026	SHEET NO. C02
DESIGNED BY PM	PAGE 7 OF 30
DRAWN BY DG	DRAWING FILE 60730277-C02.dwg
CHECKED BY WB	
JOB NO. 60730277	

STAGING AREA AND DEMOLITION PLAN

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DRAIN CONNECTION NOTES

1. CORE THROUGH MANHOLE WALL AND CONTINUE UNTIL INVERT DAYLIGHTS WITH INTERIOR MANHOLE WALL.
2. INSTALL DRAIN PIPE INTO CORED HOLE USING "KWIK SEAL" OR OTHER APPROVED COMPRESSION CONNECTOR MADE TO FIT IN A CORED OPENING. AS AN ALTERNATIVE, A RUBBER GASKET STYLE WATER STOP MAY BE PLACED ON THE PIPE SO THAT WHEN THE PIPE IS INSERTED IN THE CORED HOLE, THE GASKET IS CENTERED BETWEEN INSIDE AND OUTSIDE WALLS OF THE MANHOLE.
3. SEAL ANNULAR SPACE BETWEEN INSIDE WALL AND COMPRESSION CONNECTOR WITH NON-SHRINK GROUT. IF A WATER STOP IS USED, SEAL ANNULAR SPACE BETWEEN INSIDE AND OUTSIDE WALL WITH NON-SHRINK GROUT.
4. TRIM PIPE INSIDE MANHOLE FLUSH WITH INTERIOR CONCRETE SURFACES.

GRADING PLAN

Scale 3/8" = 1'-0"

CLIENT



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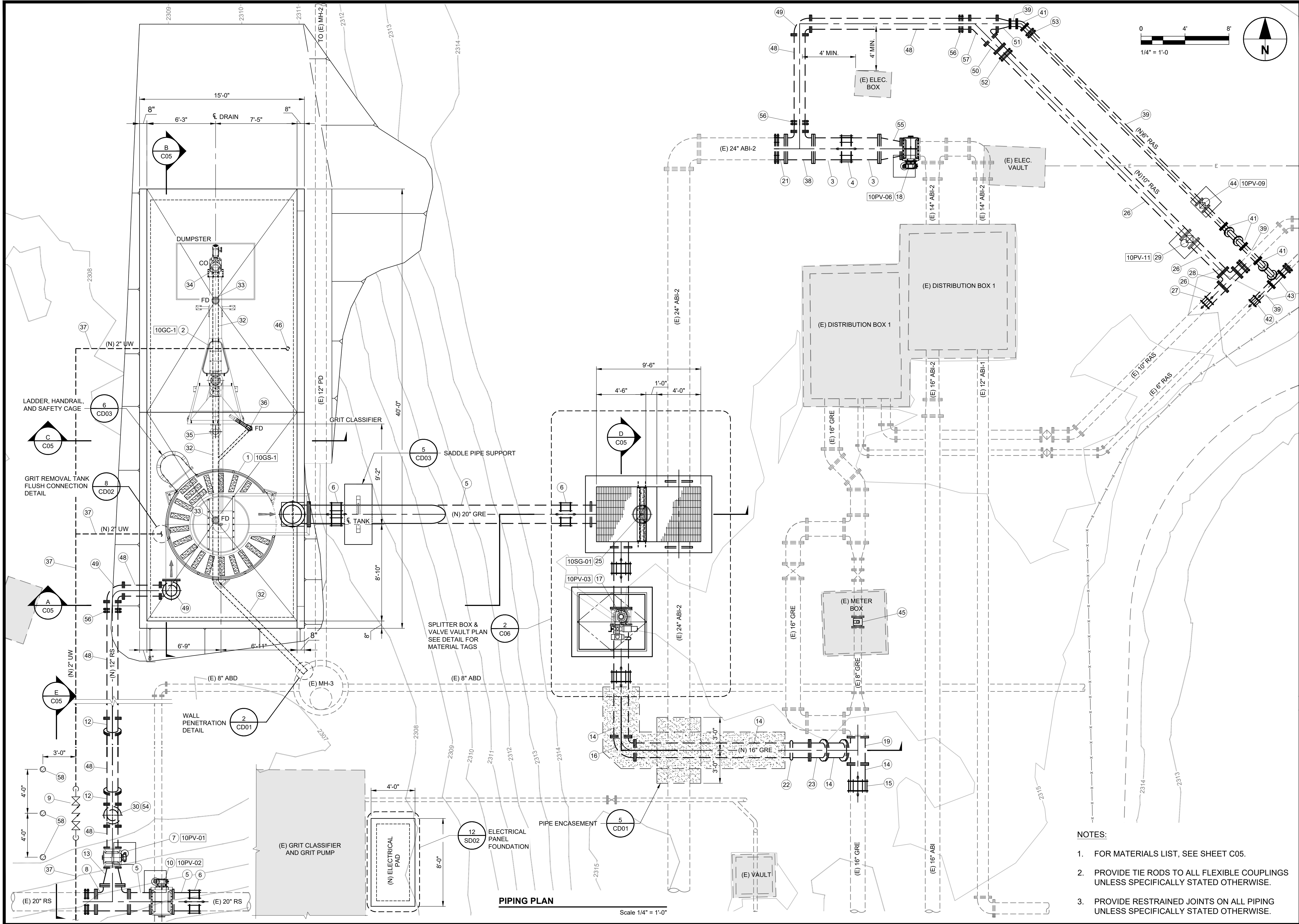
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SHEET NO.
C03
PAGE 8 OF 30
DRAWING FILE
60730277-C03.dwg

GRADING PLAN

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Rosamond Community Services District

ROSAMOND COMMUNITY SERVICES DISTRICT (RCS D)
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PRESIDENT, BOARD OF DIRECTORS _____ DATE _____

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GENERAL MANAGER _____ DATE _____

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REGISTERED PROFESSIONAL ENGINEER
MANDA C. PADAK
No. RCE 91161
CIVIL
STATE OF CALIFORNIA

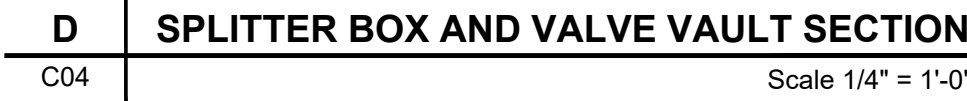
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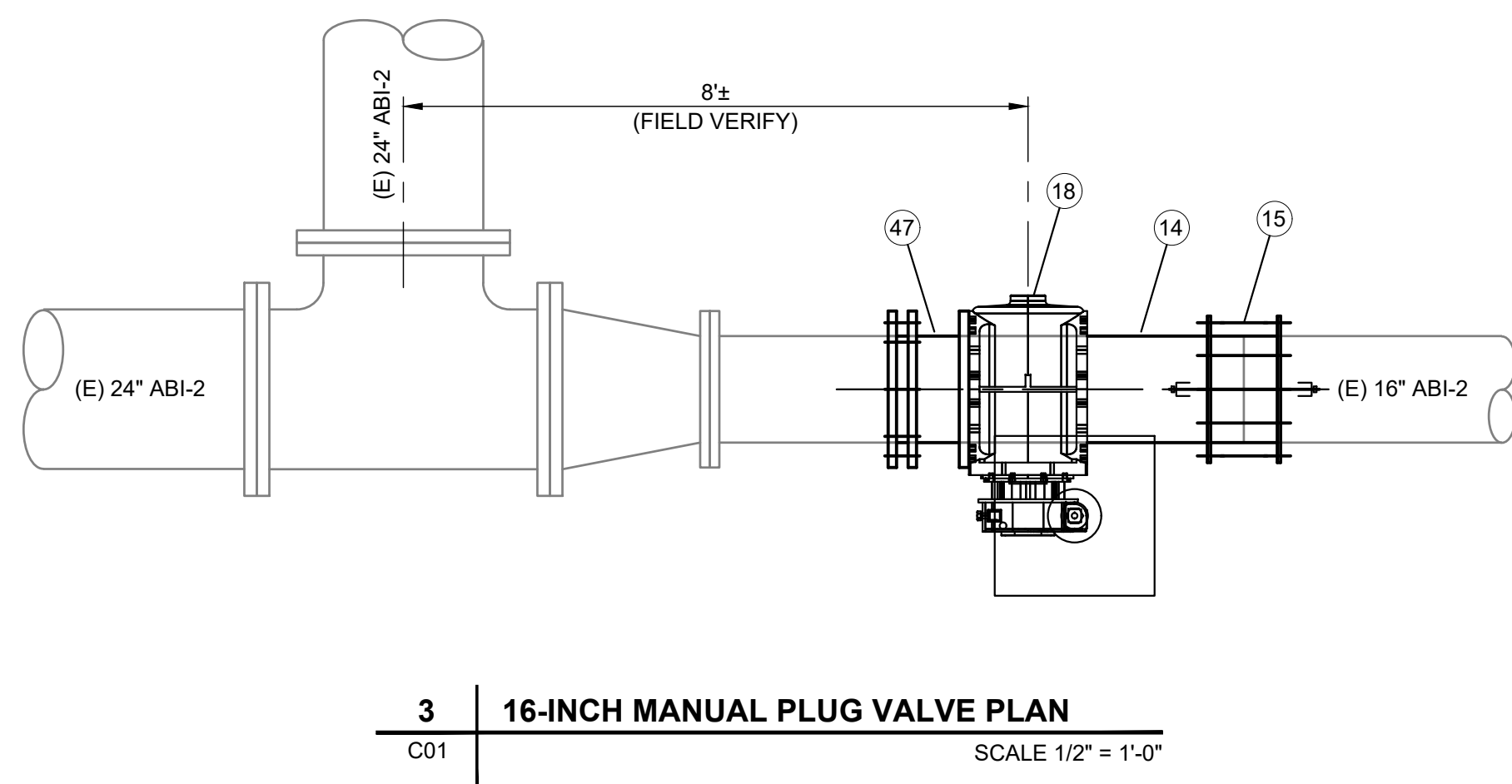
GRIT REMOVAL SYSTEM
SITE PLAN



MATERIALS LIST		
NO.	DESCRIPTION	DETAIL
19	16-INCH TEE	
20	16-INCH SPOOL	
21	24-INCH FLG'D CPLG ADAPTER	
22	16-INCH GROOVED END CPLG	
23	16-INCH 22.5° ELBOW	
24	PIPE SUPPORT	4 CD01
25	SLIDE GATE	
26	10-INCH PIPE	
27	10-INCH FLEXIBLE CPLG	
28	10-INCH TEE	
29	10-INCH PLUG VALVE	
30	12-INCH TEE	
31	10-INCH 45° ELBOW	
32	6-INCH DRAIN PIPE	
33	FLOOR DRAIN, SEE DETAIL	4 CD01
34	CLEANOUT, SEE DETAIL	6 CD01
35	6-INCH GRIT CLASSIFIER DRAIN	



 ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD) 3179 35TH STREET WEST ROSAMOND, CA 93560		
<h1 style="margin: 0;">PROJECT</h1> <h2 style="margin: 0;">WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS</h2>		
APPROVED BY _____ <small>RCSD BOARD OF DIRECTORS</small>		
PRESIDENT, BOARD OF DIRECTORS _____	DATE _____	
RECOMMENDED FOR APPROVAL _____		
GENERAL MANAGER _____	DATE _____	
 <p>AECOM 5001 E. Commercenter Dr. Suite 100 Bakersfield, CA 93309 661.283.2323 tel www.aecom.com</p>		
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DATE <u>5/18/2026</u>		SHEET NO.
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PAGE 10 OF 30		
JOB NO. <u>60730277</u>		DRAWING FILE <u>60730277-C05.dwg</u>
GRIT REMOVAL SYSTEM SECTIONS		



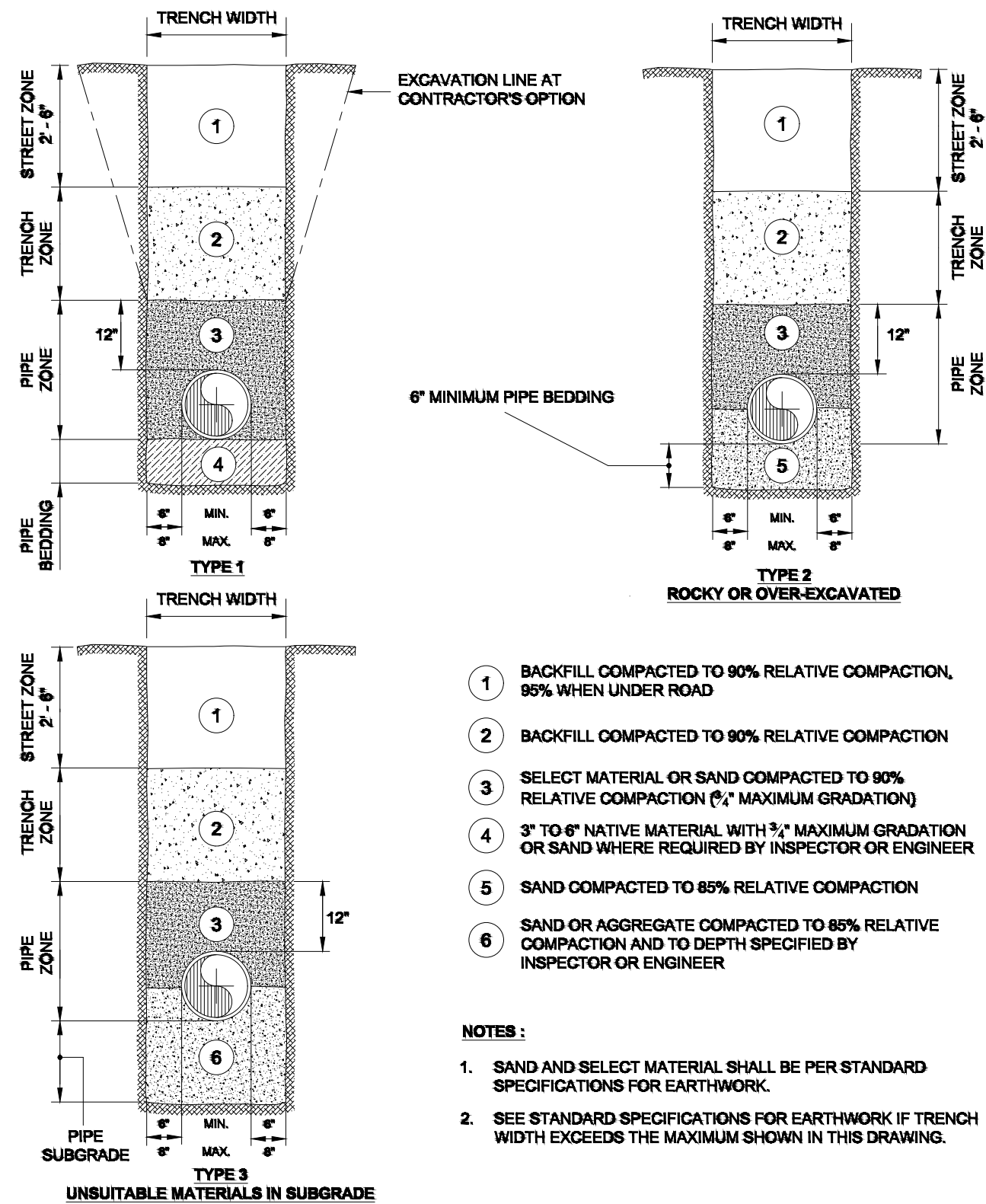
- VAULT NOTES:**
1. PROVIDE PRECAST CONCRETE VAULT PER SPECIFICATIONS 034220.
 2. PROVIDE PEDESTRIAN-RATED (300 PSF) ALUMINUM DOUBLE LEAF HATCH, HYDRAULIC-ASSISTED (OR SPRING-ASSISTED), LOCKABLE, SIZED FOR FULL OPENING OF STRUCTURE.
 3. VAULT SHALL BE PRECAST OR CAST-IN-PLACE. IF THE VAULT IS TO BE CAST-IN-PLACE, IT SHALL BE DESIGNED BY CONTRACTOR IN ACCORDANCE WITH ACI 350. FOR CAST-IN-PLACE OPTION, SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS. ALL CONCRETE USED FOR THE VAULT, WHETHER PRECAST OR CAST IN PLACE, SHALL USE TYPE 5 OR TYPE 2 MODIFIED CEMENT FOR SULFATE RESISTANCE.
 4. CONTRACTOR TO PAINT 2-INCH RED LETTERS OVER WHITE BACKGROUND ON THE ACCESS HATCH, "DANGER CONFINED SPACE AUTHORIZED PERSONNEL ONLY". PAINT SHALL INCLUDE PRIMER FOR ALUMINUM. MARKING PAINT SHALL BE USE SHERWIN-WILLIAMS SETFAST ACRYLIC TRAFFIC MARKING PAINT OR EQUAL.
 5. WELD WALL PIPE (2-PIECE) TO EXISTING 20-INCH DIP AND RELINE AND RECOAT DAMAGED AREA WITH EPOXY PER SPEC. 099000

SLUDGE PUMP STATION PLAN AND
SPLITTER BOX & VALVE VAULT PLAN

SEWER NOTES

- THE SEWER FACILITIES TO BE DEDICATED TO THE R.C.S.D. SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE R.C.S.D.
- THE R.C.S.D. ENGINEERING DEPARTMENT SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. TELEPHONE (661) 256-3411.
- THE CONSTRUCTION PLANS MUST BE APPROVED BY THE R.C.S.D. PRIOR TO THE START OF ANY SEWER CONSTRUCTION. TWO (2) SETS OF APPROVED PLANS AND A COMPLETE ELECTRONIC COPY (AUTOCAD DWG FORMAT) OF SAID PLANS SHALL BE FURNISHED TO THE R.C.S.D. PRIOR TO DISTRICT APPROVAL. THE PLANS MUST BE SIGNED BY A CALIFORNIA REGISTERED ENGINEER.
- PRIOR TO ACCEPTANCE OF THE SEWER FACILITIES, ALL NECESSARY EASEMENT DOCUMENTS SHALL BE PROPERLY EXECUTED AND RECORDED. THREE (3) COPIES EACH OF THE RECORDED DOCUMENTS SHALL BE FURNISHED TO THE R.C.S.D.
- THE MANHOLE FRAME AND COVER AND CONCRETE SUPPORT FOR MANHOLES SHALL BE RAISED AND CONSTRUCTED TO FINISHED PAVED GRADE AFTER THE PAVING OPERATION IS COMPLETED. THE RING SECTION SHALL NOT BE MORE THAN 24" FROM THE CONE. THE COMPLETE SEWER SYSTEM SHALL BE COMPLETELY CLEAN PRIOR TO ACCEPTANCE.
- ASPHALTIC MASTIC OR PORTLAND CEMENT MORTOR SHALL BE PLACED BETWEEN CONE RINGS (MASTIC PREFERRED). FILL ALL HORIZONTAL RING JOINTS WITH MORTOR TO MAKE JOINTS FINAL SURFACES FLUSH WITH INTERIOR RING WALLS (SURFACES).
- ALL NEW MANHOLE COVERS SHALL BE EQUIPPED WITH DISH INSERTS, ULTRA HIGH DENSITY POLYETHYLENE COPOLYMER MATERIAL THAT MEETS ASTM SPECIFICATION D1248, CLASS A, CATEGORY 5, TYPE III. THICKNESS SHALL BE A UNIFORM 1/8" OR GREATER.
- THE SEWER SYSTEM, INCLUDING LATERALS, SHALL BE HYDROSTATIC WATER OR AIR TESTED, AND VIDEO CAMERA TESTED, AFTER ALL UNDERGROUND UTILITIES ARE CONSTRUCTED, AND PRIOR TO PLACING STREET PAVEMENT.
- ALL SEWER LINES SHALL BE VIDEO CAMERA INSPECTED BY THE R.C.S.D. PRIOR TO ACTIVATING WATER SERVICES, REGARDLESS OF KERN COUNTY INSPECTORS' FINAL APPROVAL.
- WORK IN THE STATE OF CALIFORNIA OR THE COUNTY OF KERN RIGHTS-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE ENCROACHMENT PERMITS.
- EXISTING SEWER LOCATION AND FLOW LINE SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE START OF CONSTRUCTION. THE DISTRICT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- ONE (1) COMPLETE SET OF DRAWINGS (CHRONOFLEXES OR MYLAR) AND ONE (1) COMPLETE ELECTRONIC SET (AUTOCAD DWG FORMAT) OF DRAWINGS SHALL BE FURNISHED TO THE DISTRICT ON COMPLETION OF CONSTRUCTION.
- TRENCHING MATERIAL TO BE COMPACTED TO 90%. TRENCHING MATERIAL TO BE COMPACTED TO 95% UNDER SURFACE GRADE.

Rosamond Community Services District		STANDARD SPECIFICATIONS AND DRAWING DETAILS	
SHEET NO. S-1	STANDARD SEWER NOTES	DATE DRAWN 11/07	
R.C.S.D. ENGINEERING DEPARTMENT	REVISION NO. 002-030003	DRAWN BY: EVAN R. CRABTREE	APPROVED BY:

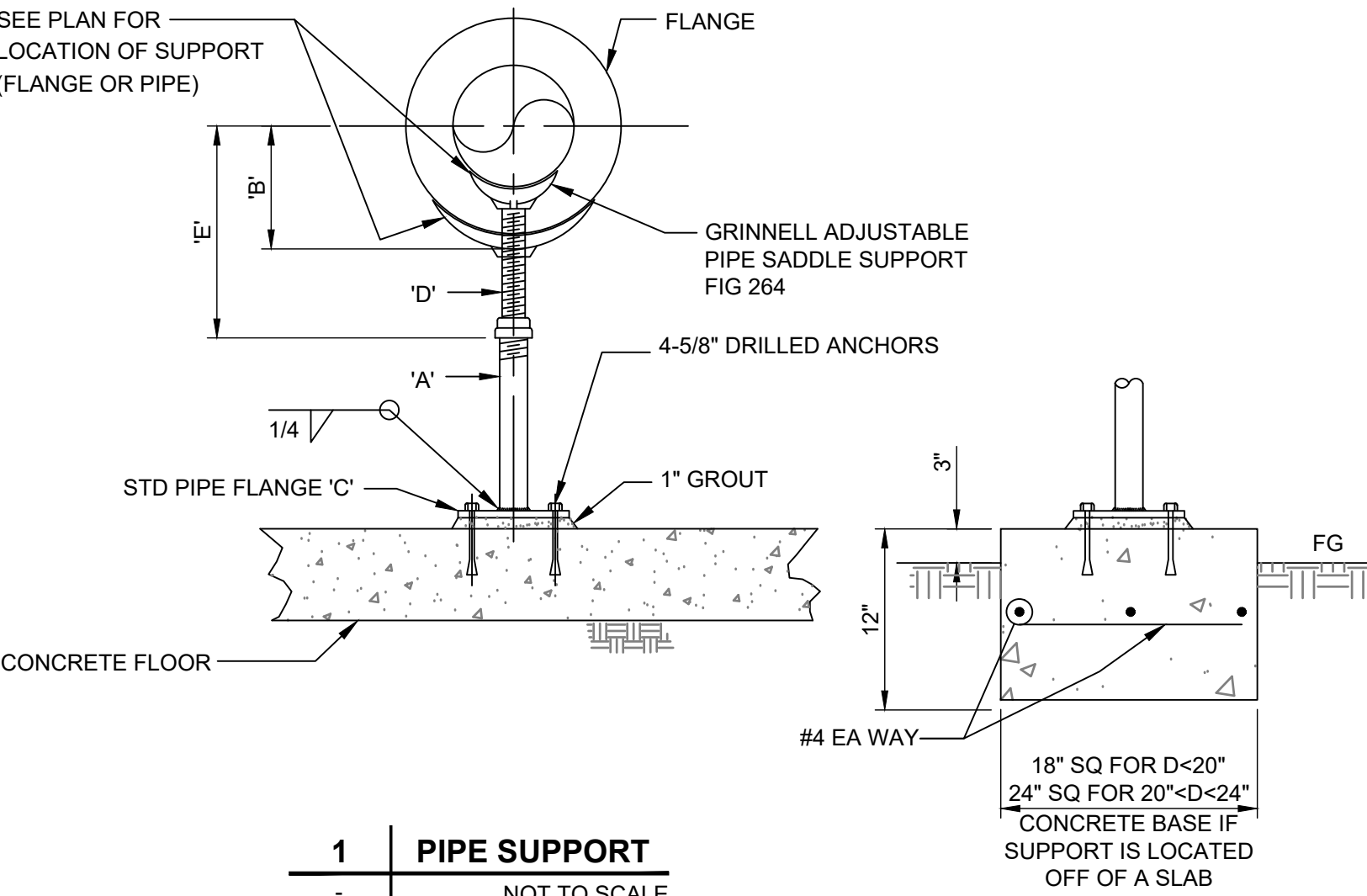


STANDARD SPECIFICATIONS AND DRAWING DETAILS		Rosamond Community Services District	
DATE DRAWN 11/07	SEWER PIPE BEDDING AND BACKFILL DETAILS	SHEET NO. S-2	
R.C.S.D. ENGINEERING DEPARTMENT	REVISION NO. 002-030003	DRAWN BY: EVAN R. CRABTREE	APPROVED BY:

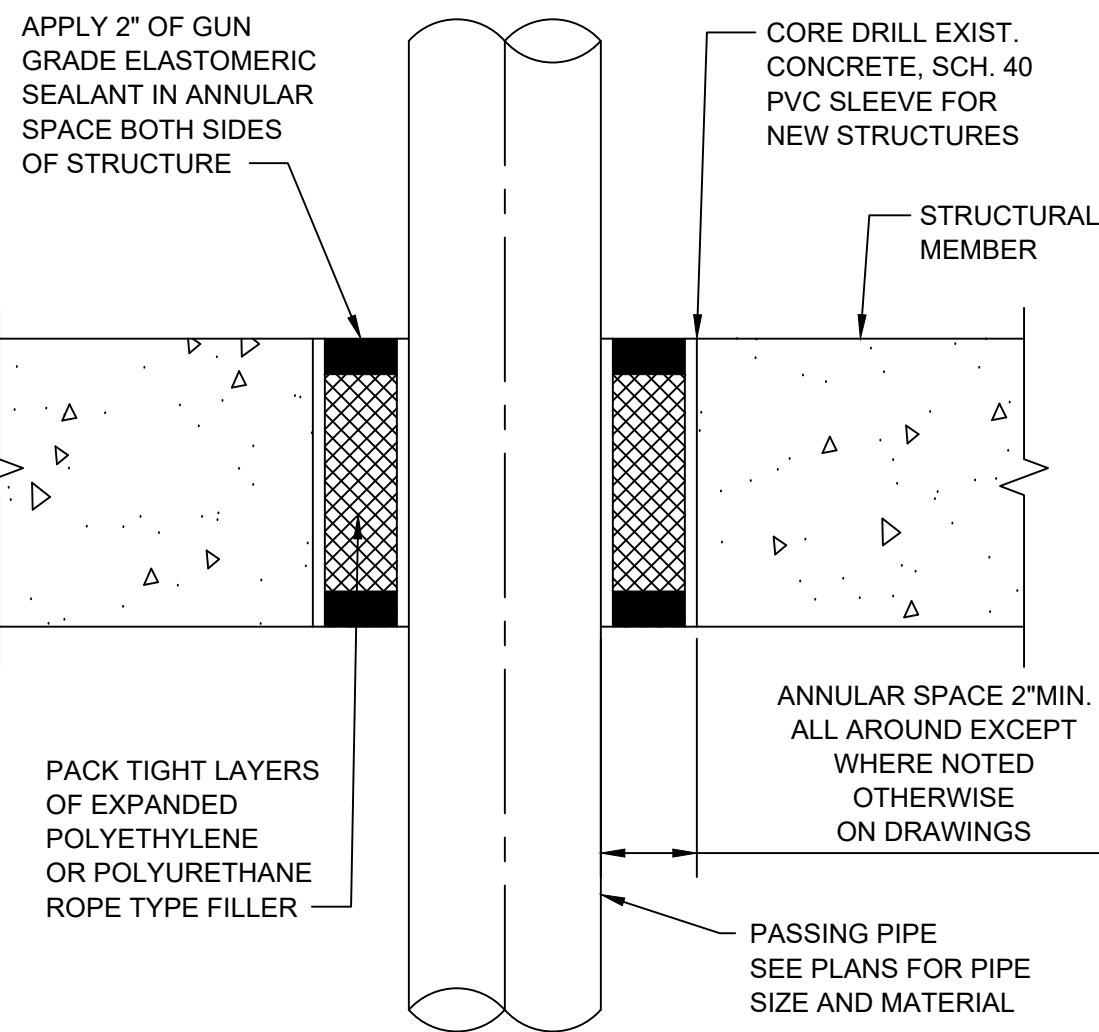
NOTES:

- PROVIDE HALF ROUND RIGID INSULATION & INSULATION PROTECTION SHIELD, SIMILAR TO GRINNELL FIG 167 OR B-LINE B-3151, WHEN PIPING IS INSULATED
- PROVIDE NEOPRENE WAFFLE ISOLATION PAD SIMILAR TO MASON TYPE 'W' OR KORFUND KORPAD 40, UNDER SUPPORT FOOT WHEN PIPING IS ISOLATED OR SUPPORT IS ADJACENT TO MECHANICAL EQUIPMENT

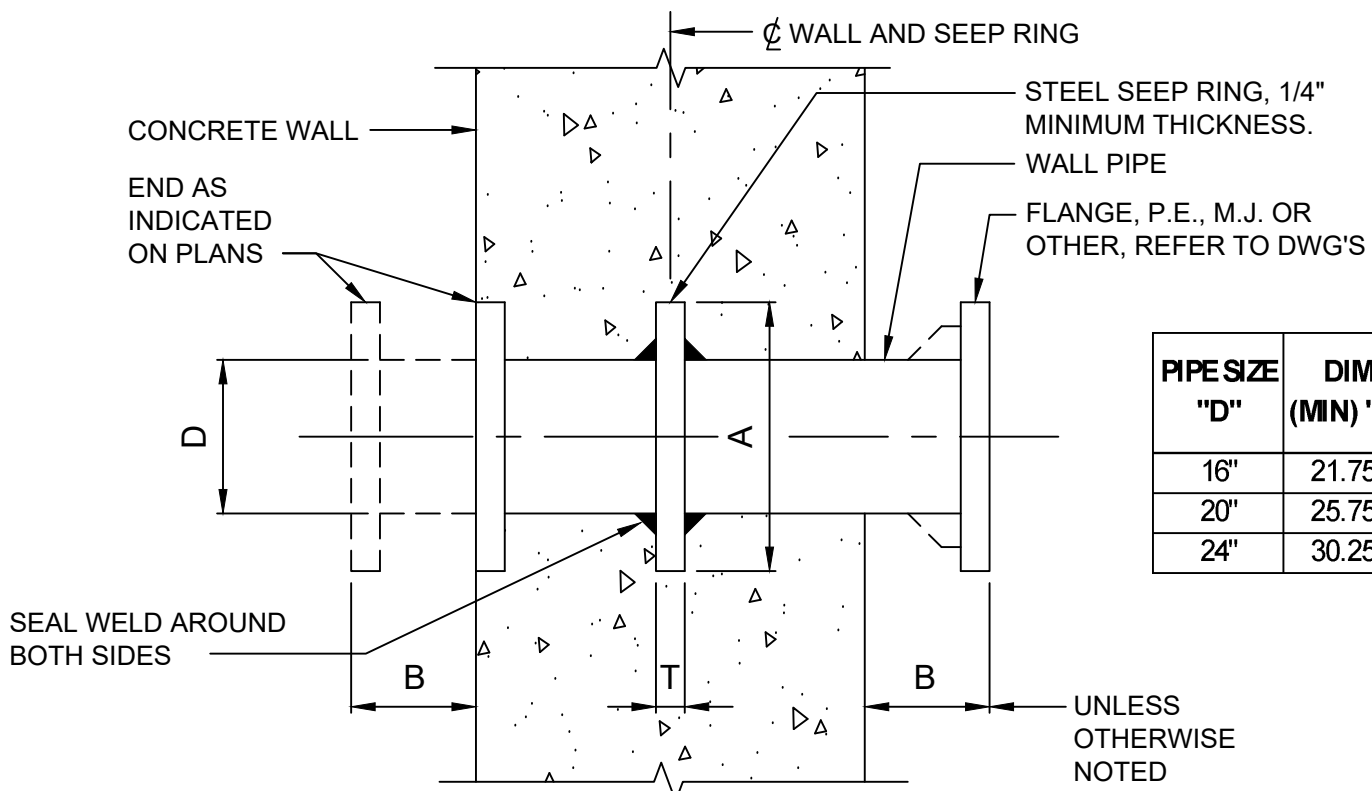
PIPE DIA (IN)	'A'	'B'	'C'	'D'	'E'	
					MIN	MAX
2 1/2	2 1/2	3 1/2	9	1 1/2	8	13
3	2 1/2	3 3/4	9	1 1/2	8 1/4	13 1/4
4	3	4 1/4	9	2 1/2	9 1/4	14
6	3	5 1/2	9	2 1/2	10 1/2	15 1/4



1 PIPE SUPPORT
NOT TO SCALE



2 WALL OR SLAB PENETRATION
NOT TO SCALE

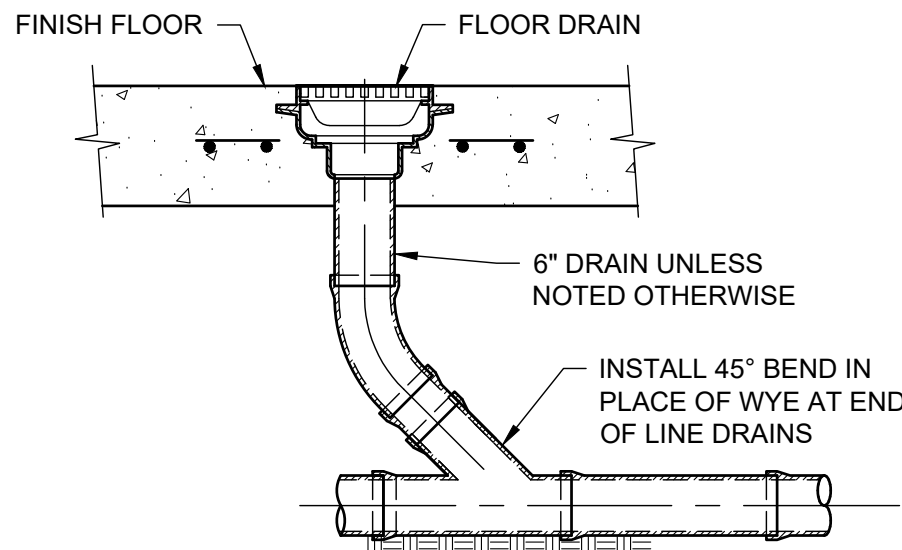


PIPE SIZE "D"	DIM (MIN) "A"	DIM (MIN) "B"	DIM (MIN) "T"
16"	21.75"	9"	0.75"
20"	25.75"	9"	0.75"
24"	30.25"	12"	0.75"

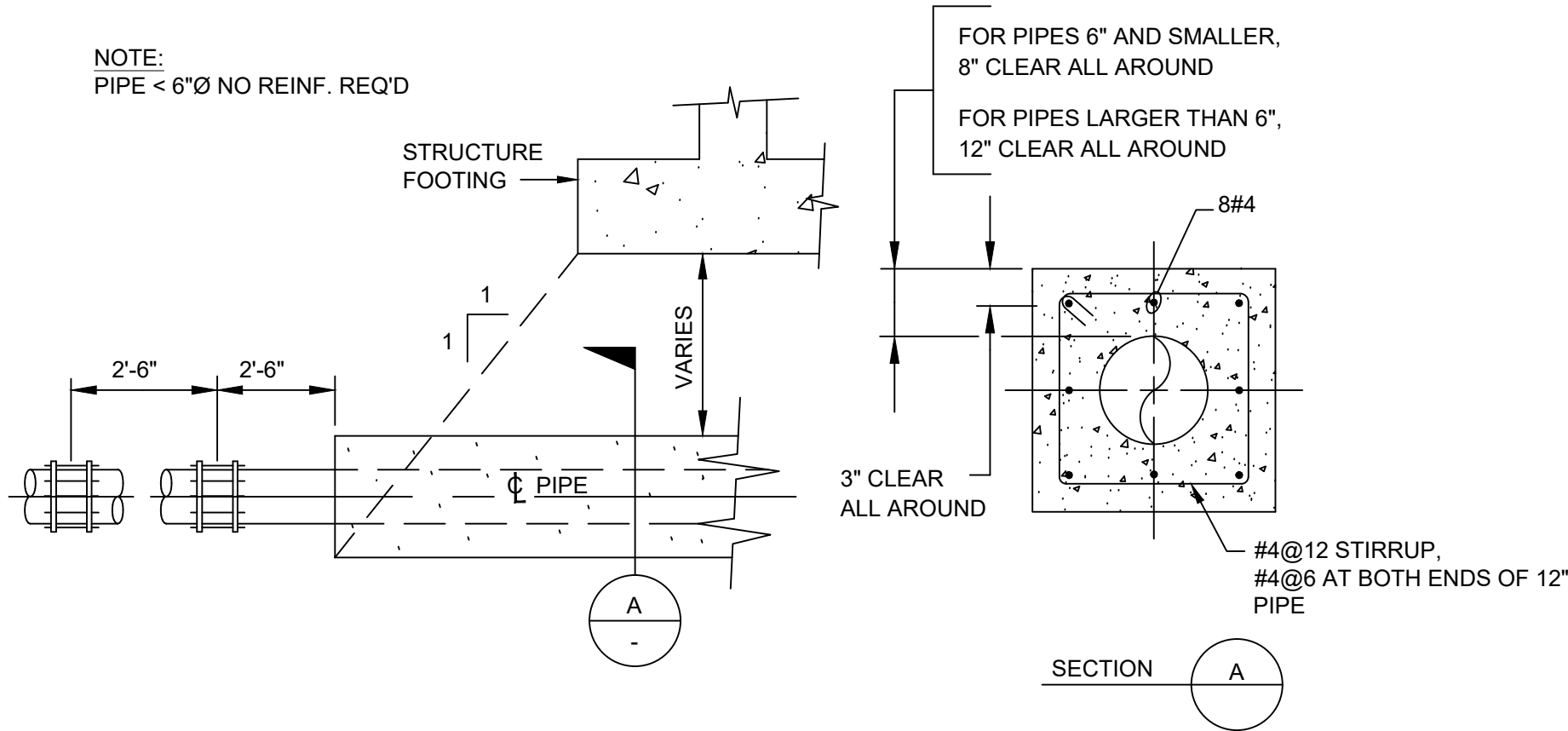
3 CAST IN PLACE PIPE
NOT TO SCALE

FLOOR DRAIN NOTES

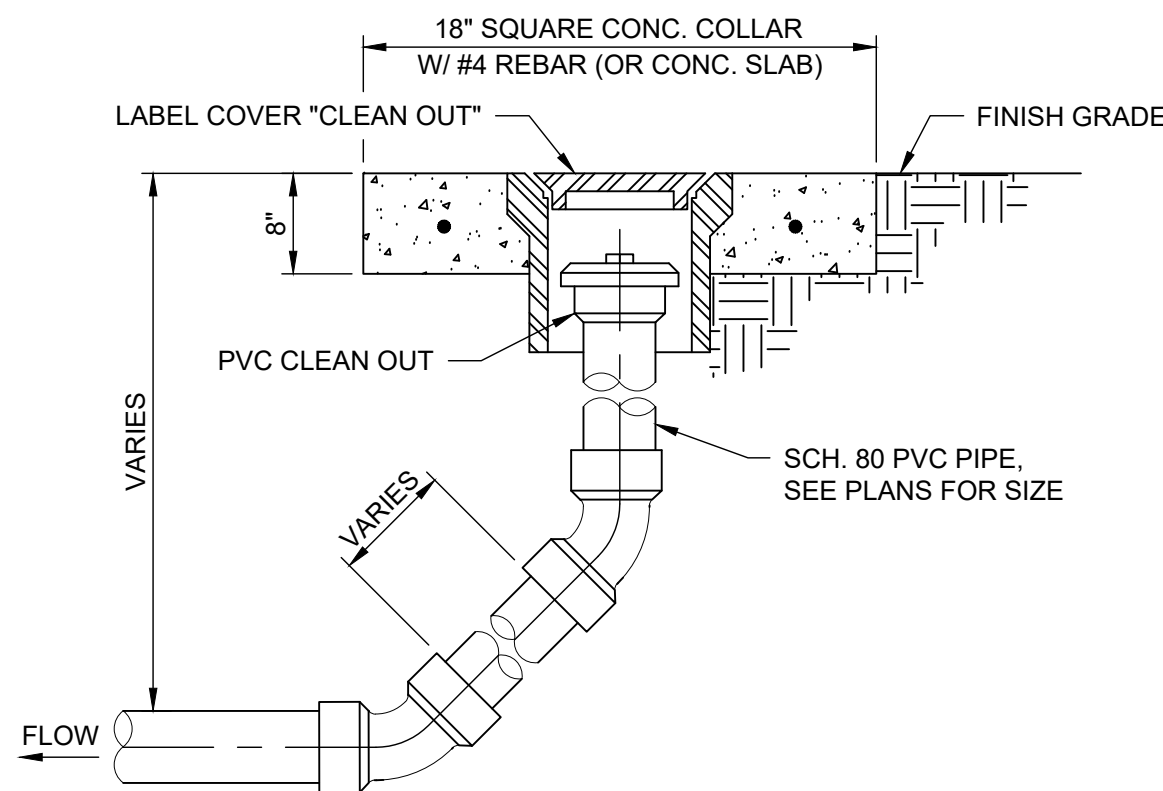
- FLOOR DRAINS USED ON GROUND FLOOR WHERE A CONCRETE SLAB IS USED OVER GRADE SHALL HAVE AN INSIDE CAULK OUTLET.
- FLOOR DRAINS SHALL BE ROUND, 8-INCH HEAVY DUTY CAST-IRON GRATE, WITH A SOLID FREE STANDING SEDIMENT BUCKET.
- SEE PLANS FOR DRAIN LINE SIZE AND TYPE. PROVIDE SUITABLE CONNECTION FROM FLOOR DRAIN OUTLET TO DRAIN LINE.



4 FLOOR DRAIN
NOT TO SCALE



5 PIPE ENCASEMENT DETAIL
SCALE: NTS



6 CLEAN OUT DETAIL
NOT TO SCALE

CLIENT



ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)
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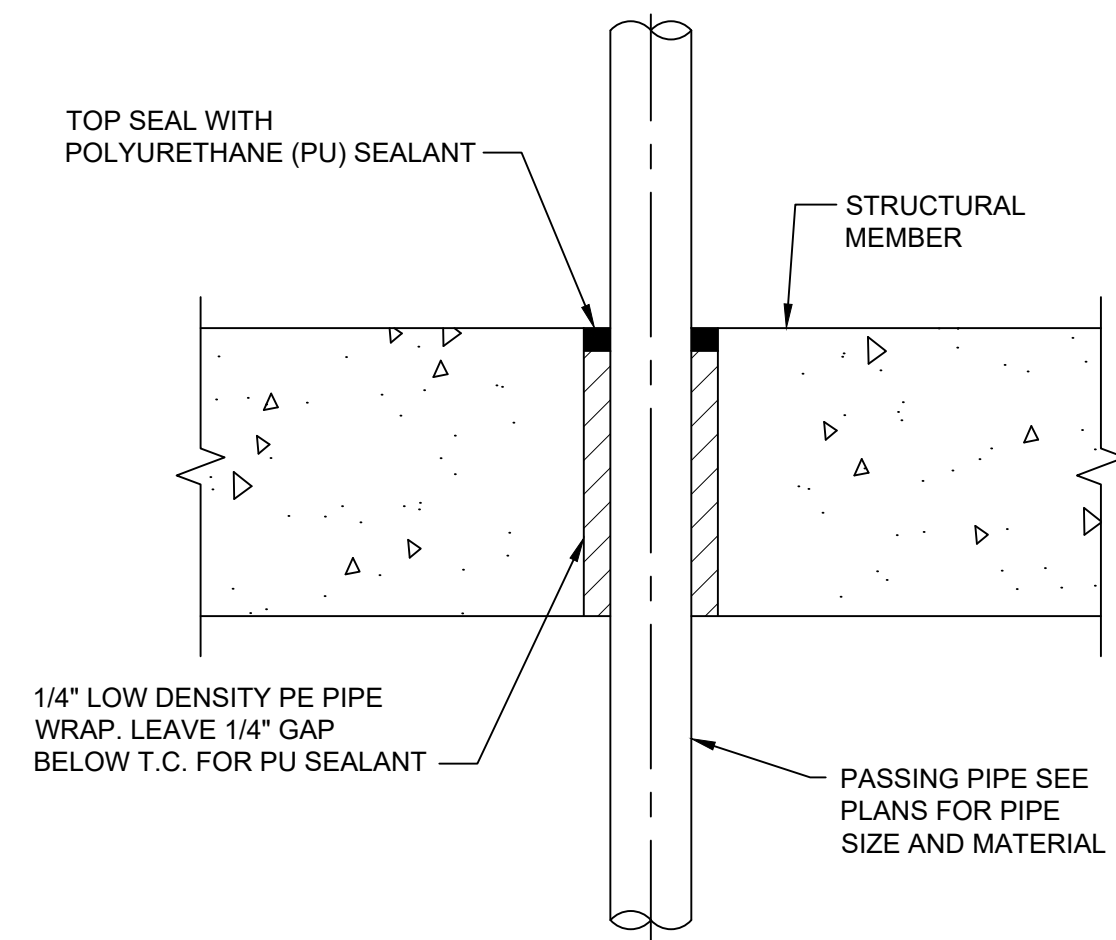
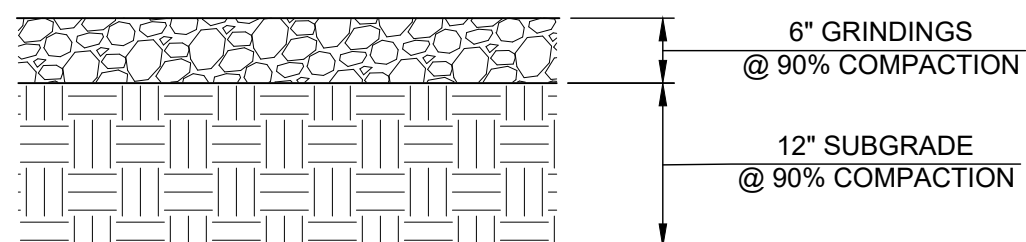
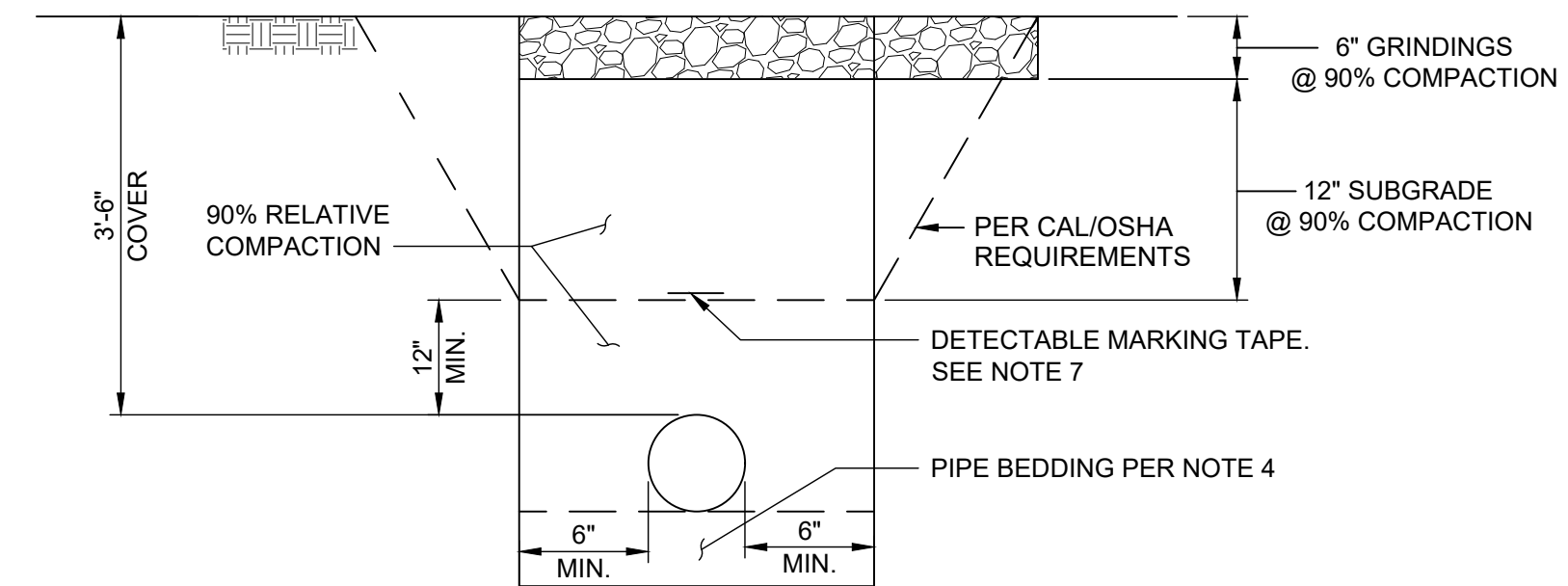
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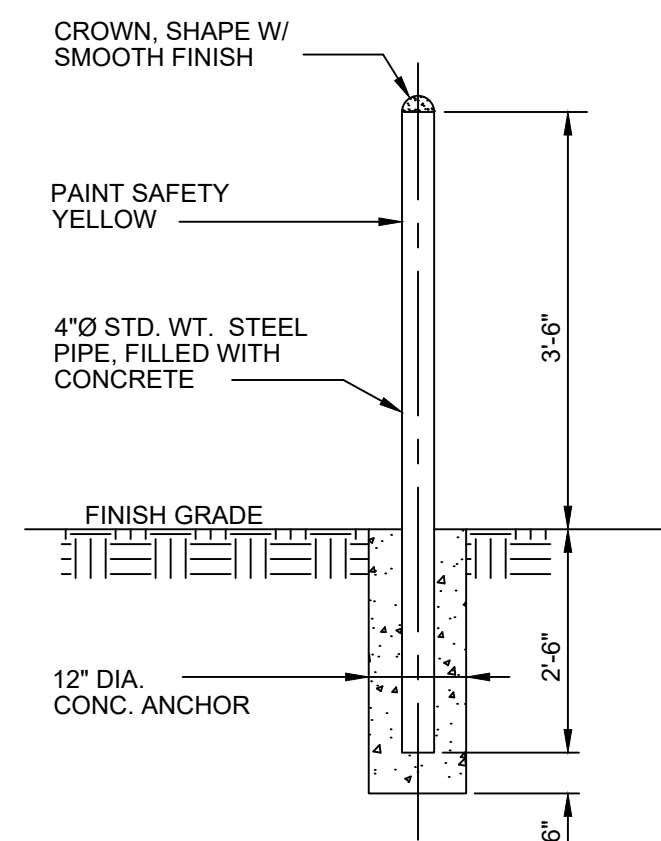
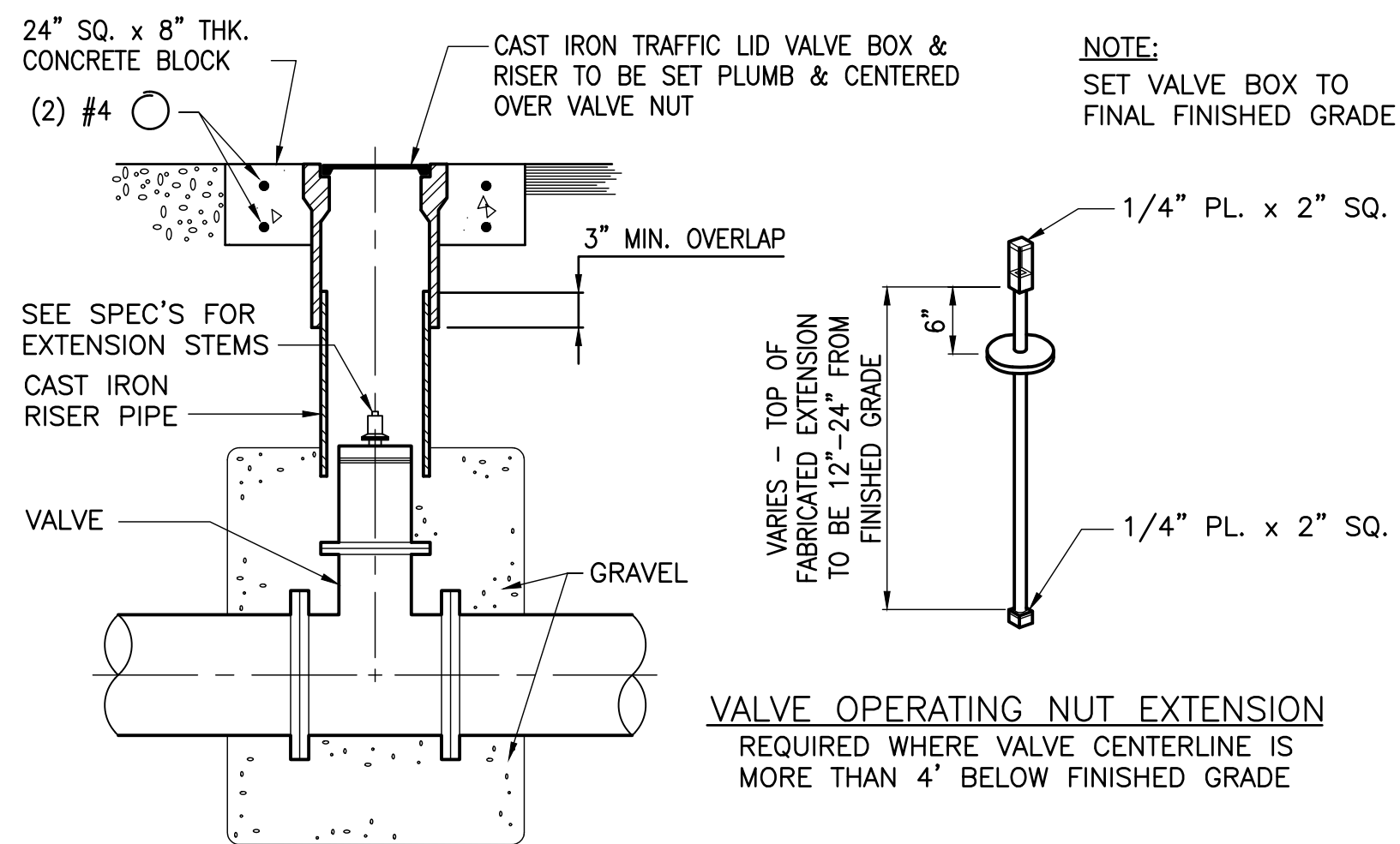
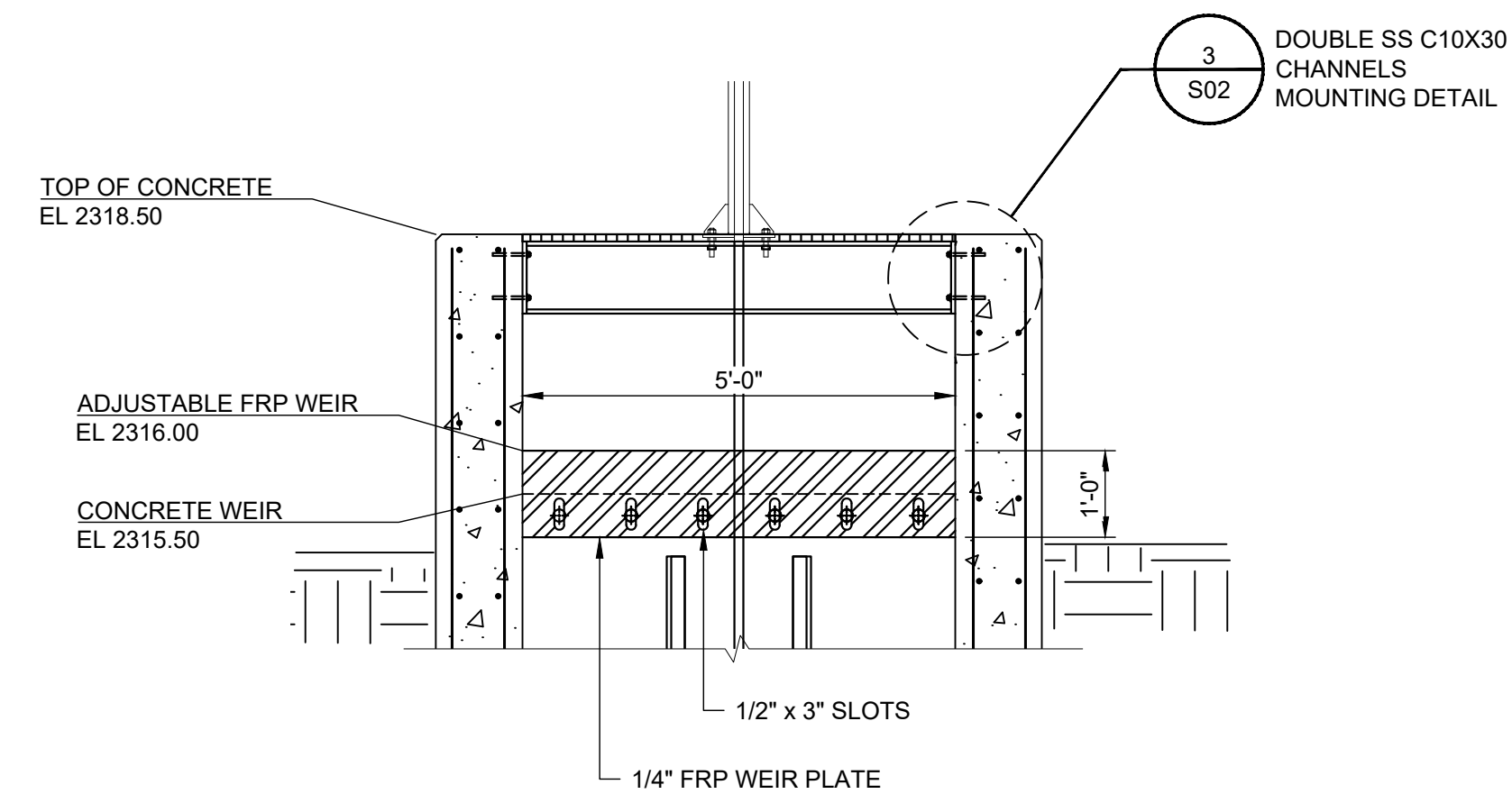
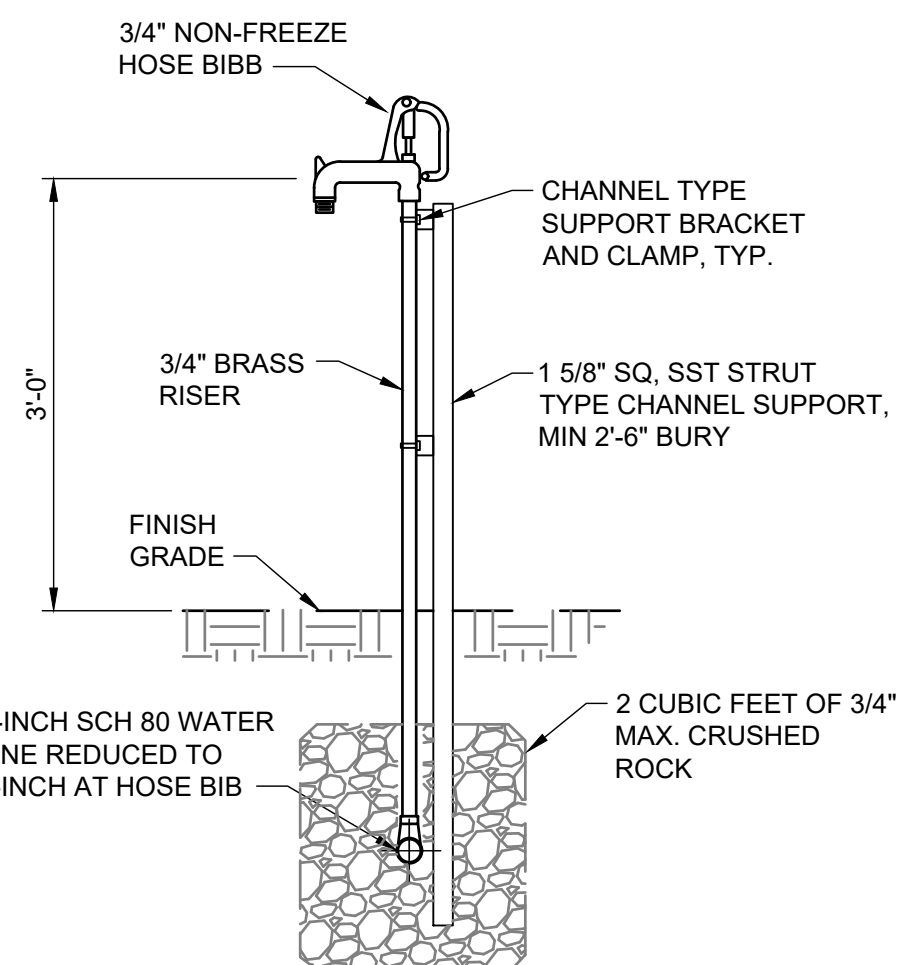
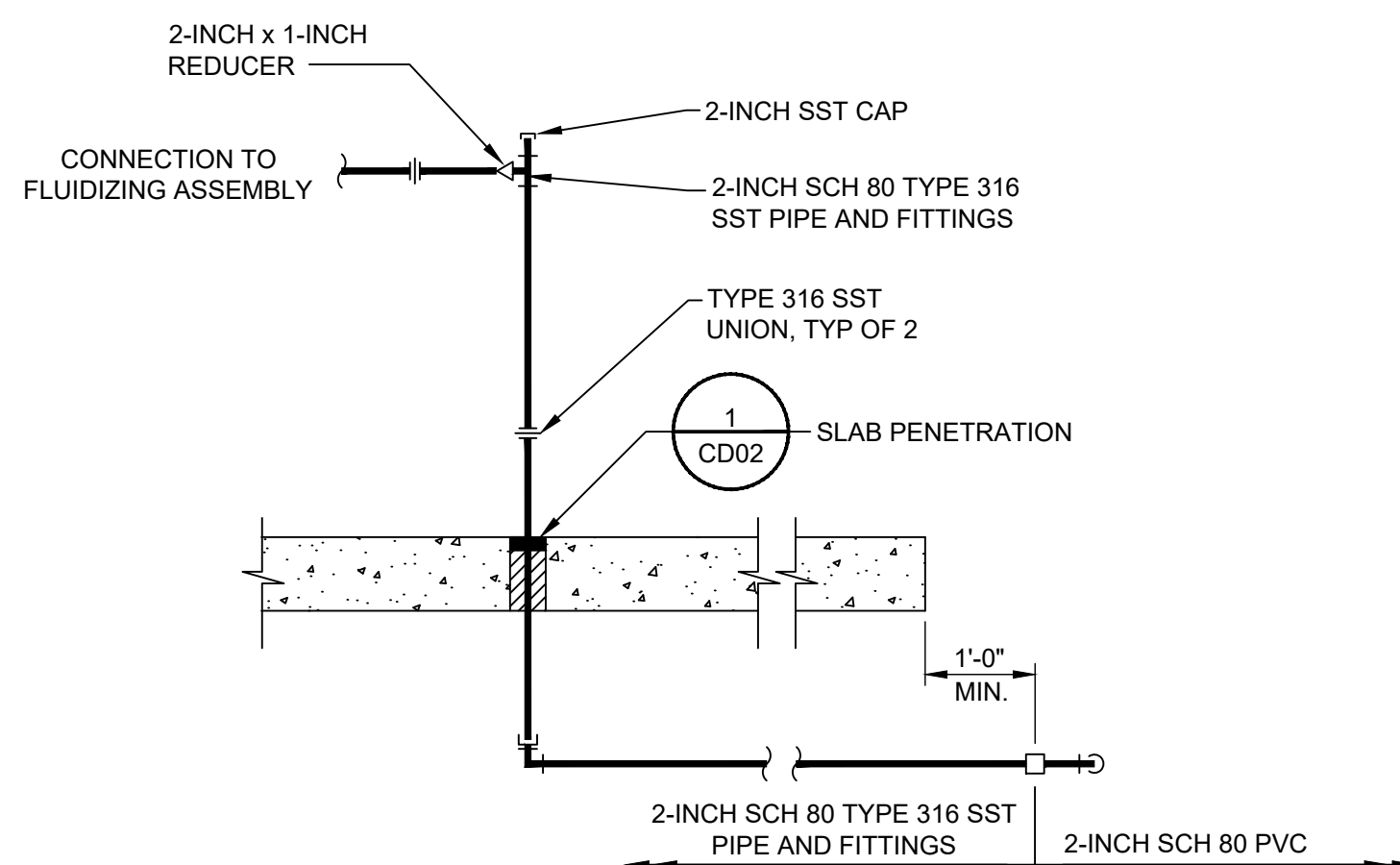
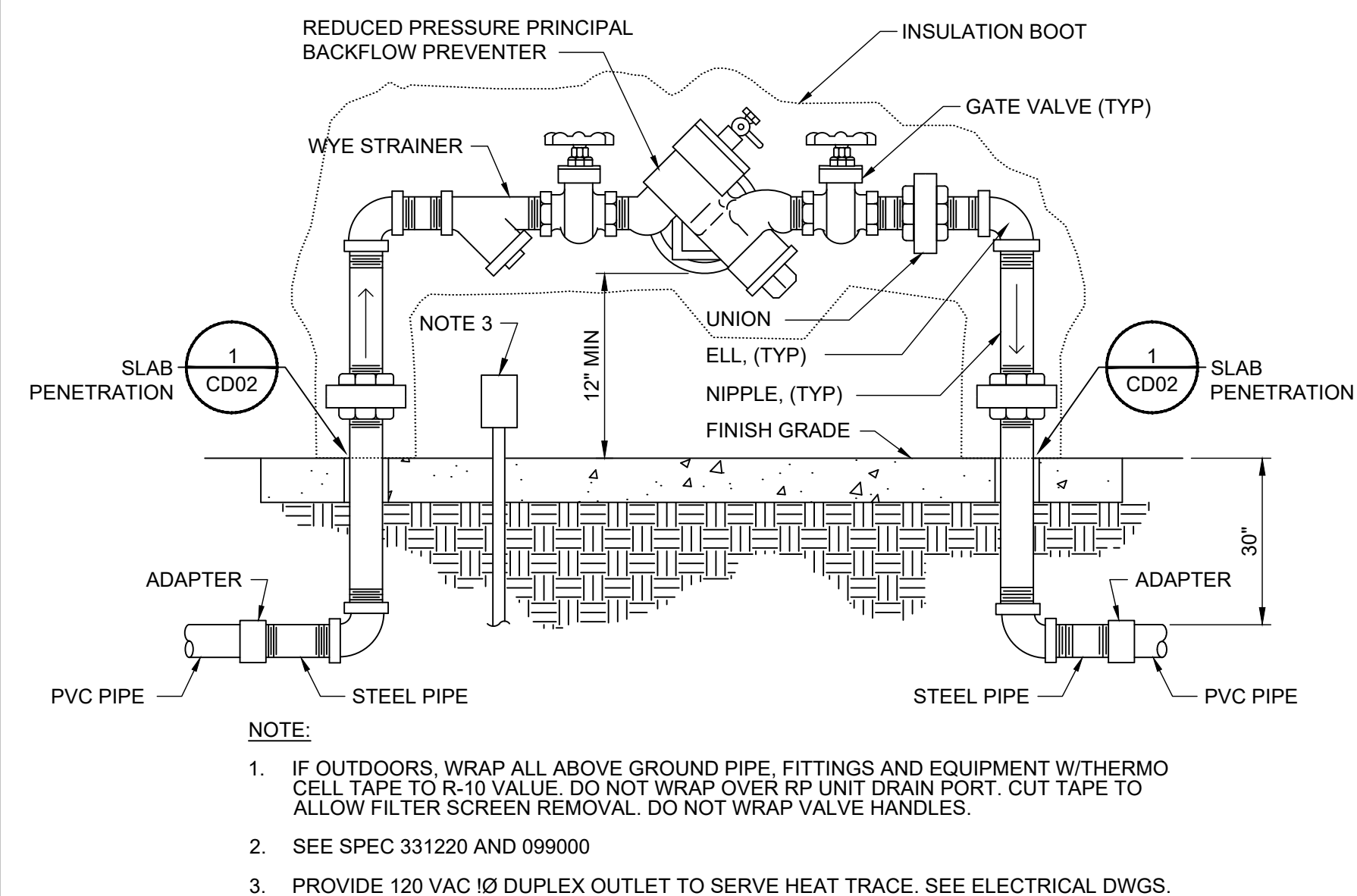
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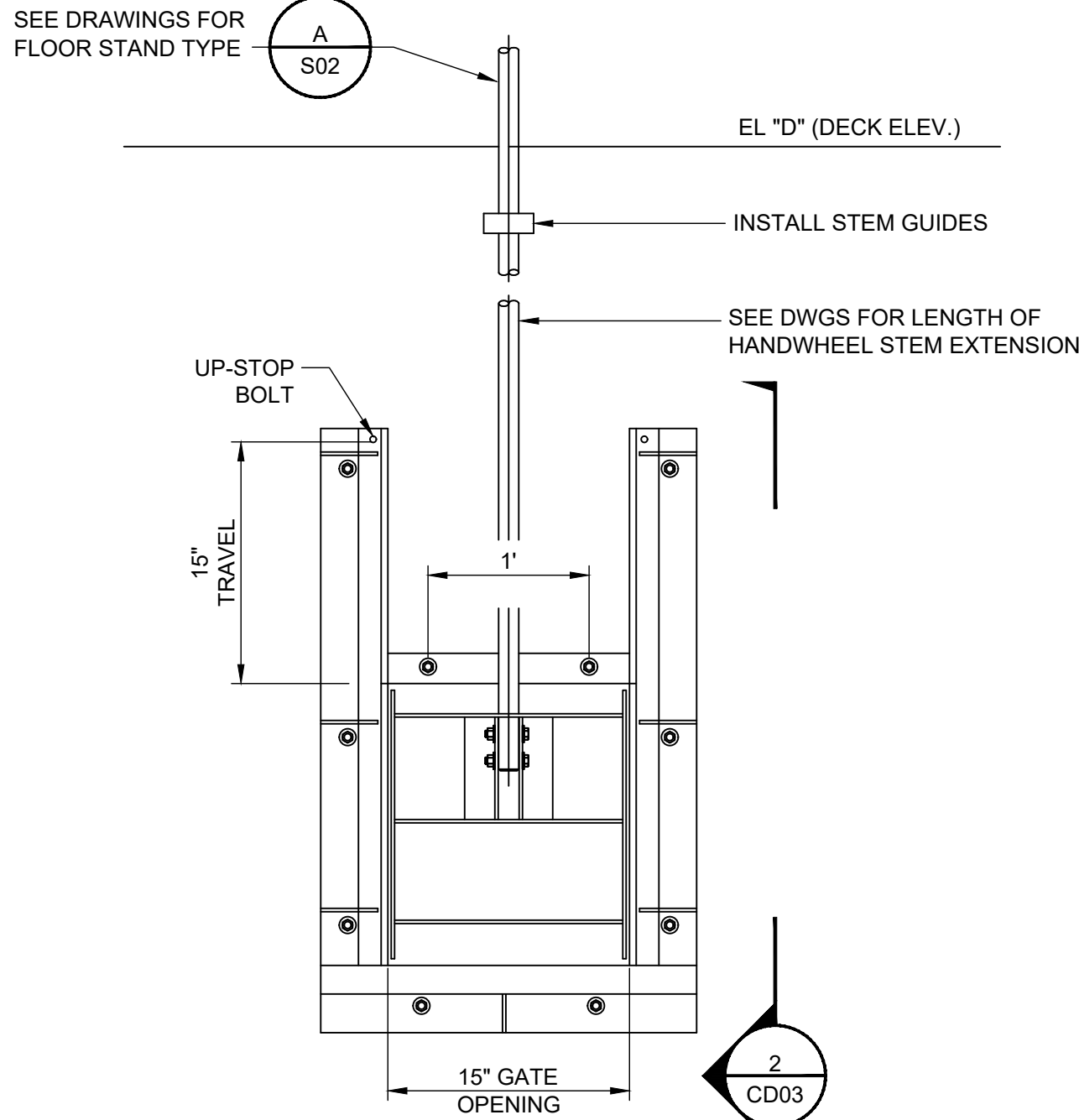
DATE 5/18/2026	SHEET NO.
DESIGNED BY PM	CD01
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CHECKED BY WB	PAGE 12 OF 30
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CIVIL DETAILS - 1

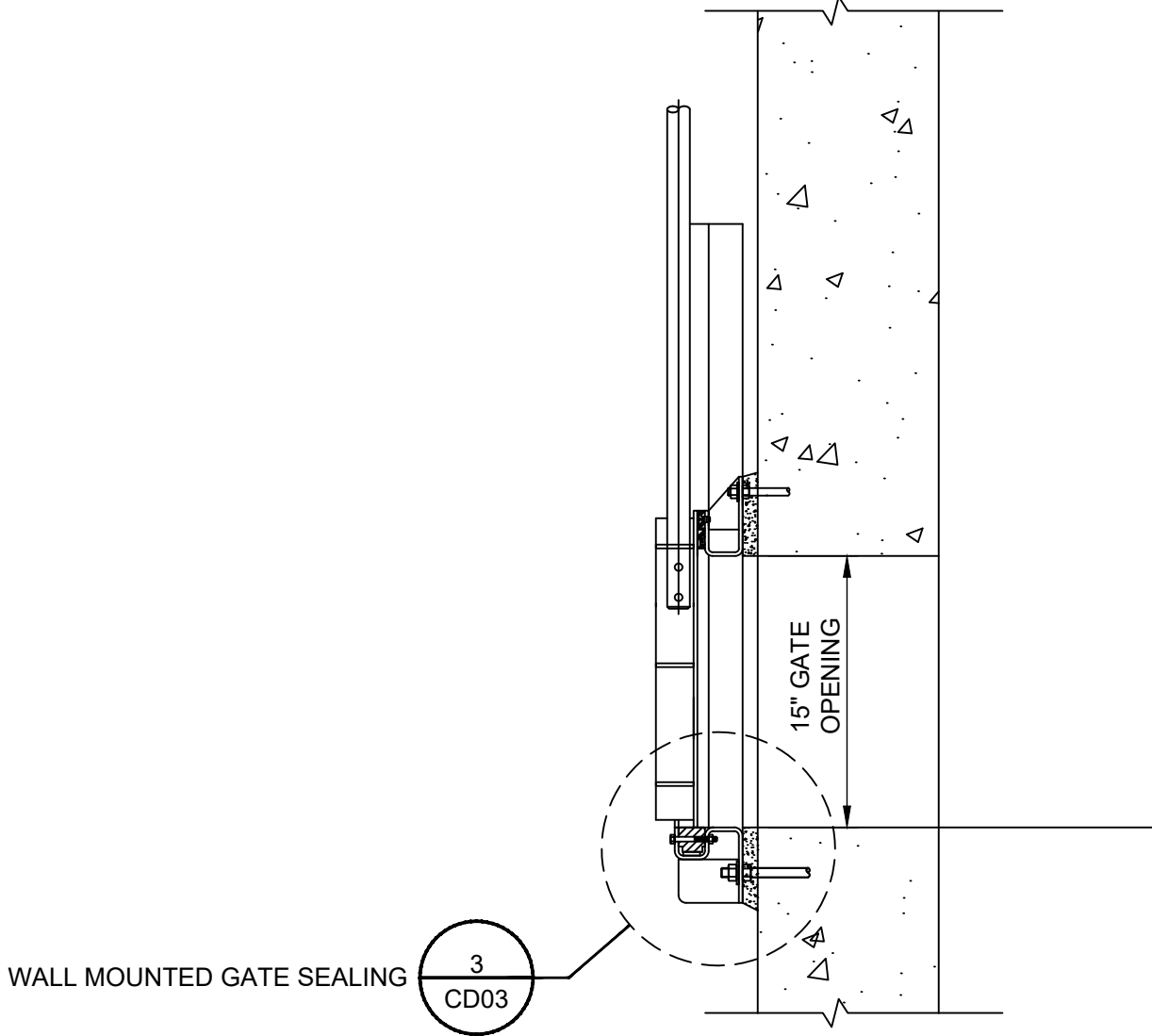


- NOTES:
1. ACCOMPLISH COMPACTION IN 8" LIFTS MAXIMUM.
 2. NO JETTING SHALL BE ALLOWED FOR COMPACTION.
 3. SECTION SHOWS A SINGLE PIPE. IF TWO PIPES ARE IN THE TRENCH, PROVIDE ONE FOOT OF SEPARATION BETWEEN PIPES.
 4. IMPORTED SAND AND BACKFILL MATERIAL. MINIMUM SAND EQUIVALENT = 30
 5. MINIMUM COVER OVER PIPE SHALL BE 3'-6"
 6. MAINTAIN POSITIVE UPHILL SLOPE TO AVOID HIGH POINTS.
 7. DETECTABLE MARKING TAPE SHALL BE SEATON STYLE SP 367, OR EQUAL.

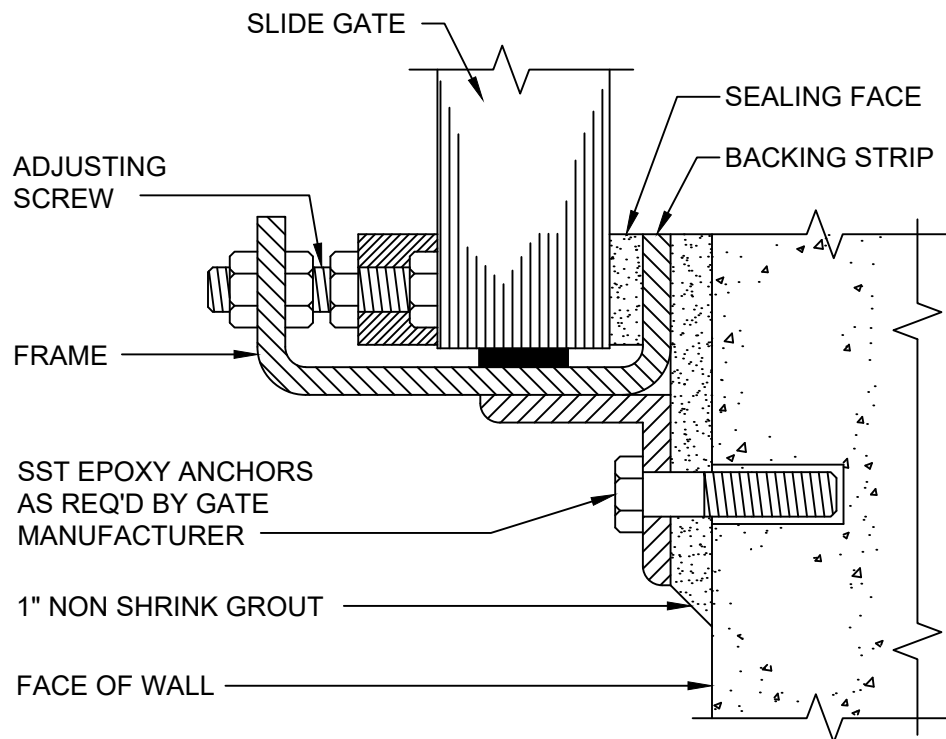




1 | SLIDE GATE ELEVATION
- | NOT TO SCALE



2 | SLIDE GATE SECTION
- | NOT TO SCALE

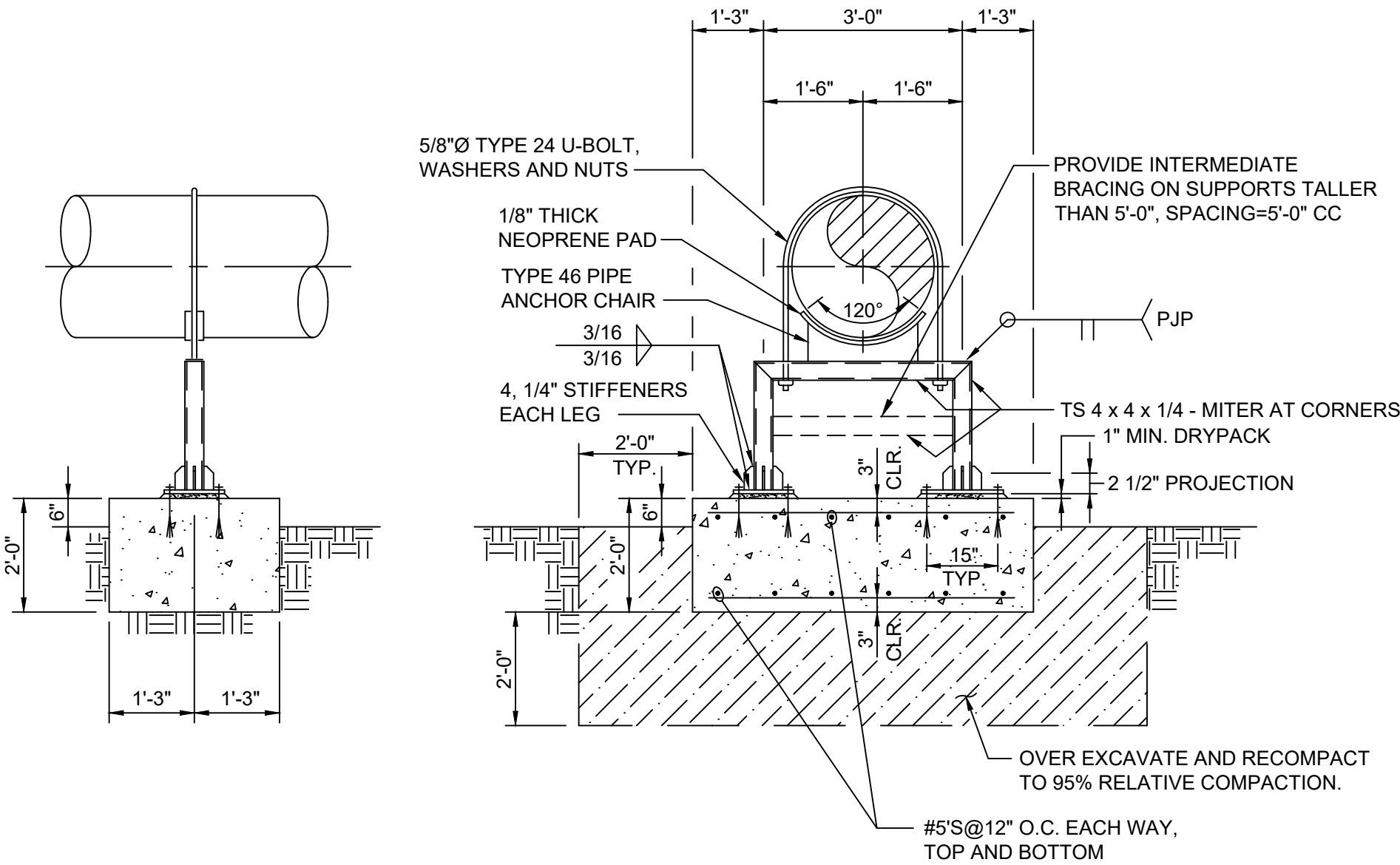


3 | WALL MOUNTED GATE SEALING
- | NOT TO SCALE

SLIDE GATE NOTES:

1. SLIDE GATE SHALL BE THIMBLE-MOUNTED. WALL THIMBLE OPENING SIZE AND LENGTH SHALL BE AS SHOWN ON THE DRAWINGS. WALL THIMBLE SHALL BE SUPPLIED BY THE SLIDE GATE MANUFACTURER.
2. BOLT OPENINGS AND STEM GUIDE OPENINGS ARE ON HOLD AND SHALL BE UPDATED BASED ON THE APPROVED MANUFACTURER SUBMITTALS.
3. CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND EXISTING CONDITIONS PRIOR TO FABRICATION AND INSTALLATION.
4. ALL ANCHOR BOLTS, FASTENERS, AND MOUNTING HARDWARE SHALL BE STAINLESS STEEL UNLESS NOTED OTHERWISE.
5. INSTALL SLIDE GATE, WALL THIMBLE, STEM GUIDES, AND OPERATING EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. CONTRACTOR SHALL COORDINATE REQUIRED OPENINGS, EMBEDMENTS, AND INSTALLATION REQUIREMENTS WITH APPROVED SHOP DRAWINGS PRIOR TO CONCRETE WORK.
7. PROVIDE NON-SHRINK GROUT AT WALL THIMBLE INSTALLATION AS REQUIRED.
8. ALL DIMENSIONS SHALL BE VERIFIED WITH APPROVED MANUFACTURER SUBMITTALS PRIOR TO INSTALLATION.

4 | SLIDE GATE NOTES
- |



PIPE SUPPORT NOTES:

1. PLACE 1/8" THICK NEOPRENE PAD UNDER PIPE AT SUPPORT (TYP.)
2. SEE PLANS FOR PIPE SIZE, TYPE, AND ELEVATION.
3. ALL PIPES TO BE SUPPORTED WITH PIPE CHAIR ANCHORS.
4. ALL PIPE SUPPORTS TO BE COMPLETELY WELDED. GRIND ALL WELDS SMOOTH PRIOR TO COATING.
5. COAT PIPE SUPPORT WITH THE SAME COATING SYSTEM AS THE PIPING. COLOR SHALL MATCH THE COLOR OF THE PIPE.

5 | SADDLE PIPE SUPPORT
- | NOT TO SCALE

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WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

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RCSD BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS DATE

RECOMMENDED FOR APPROVAL

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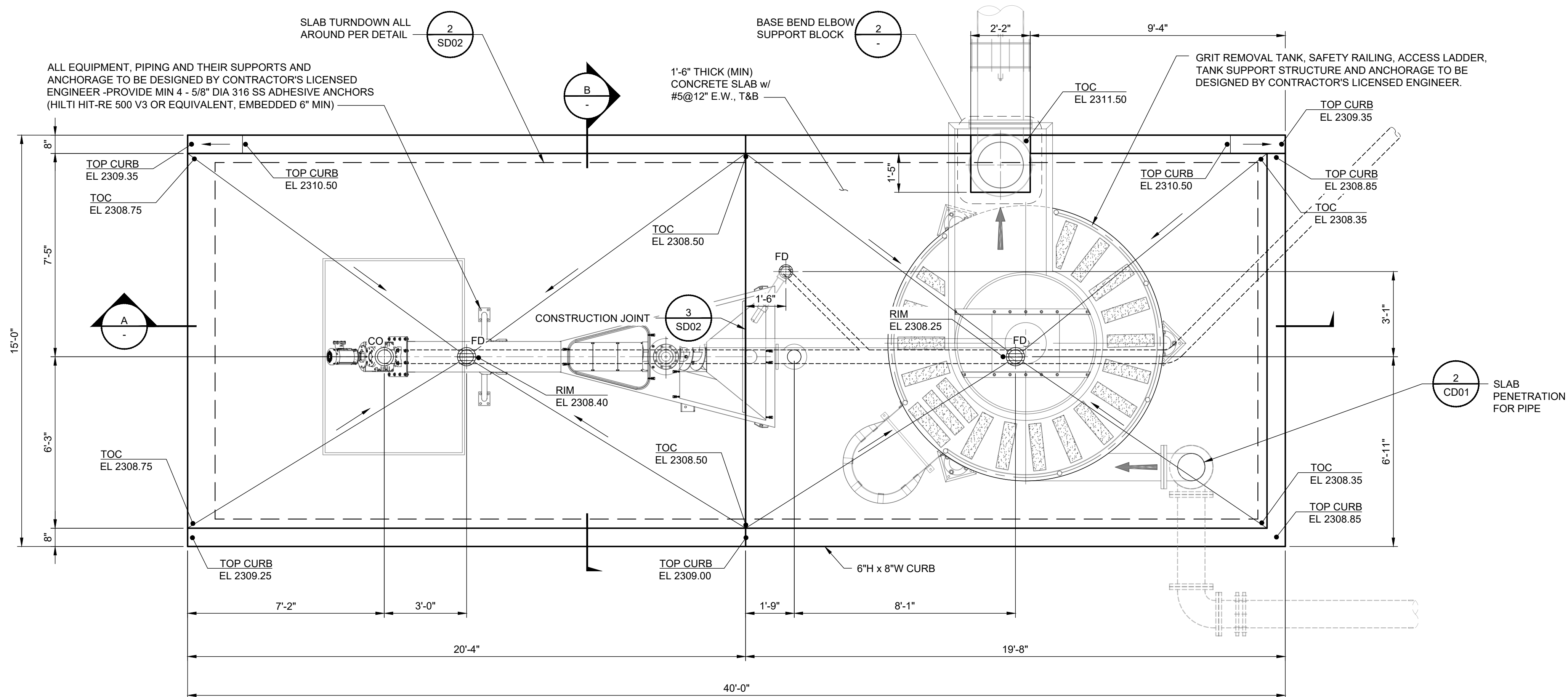
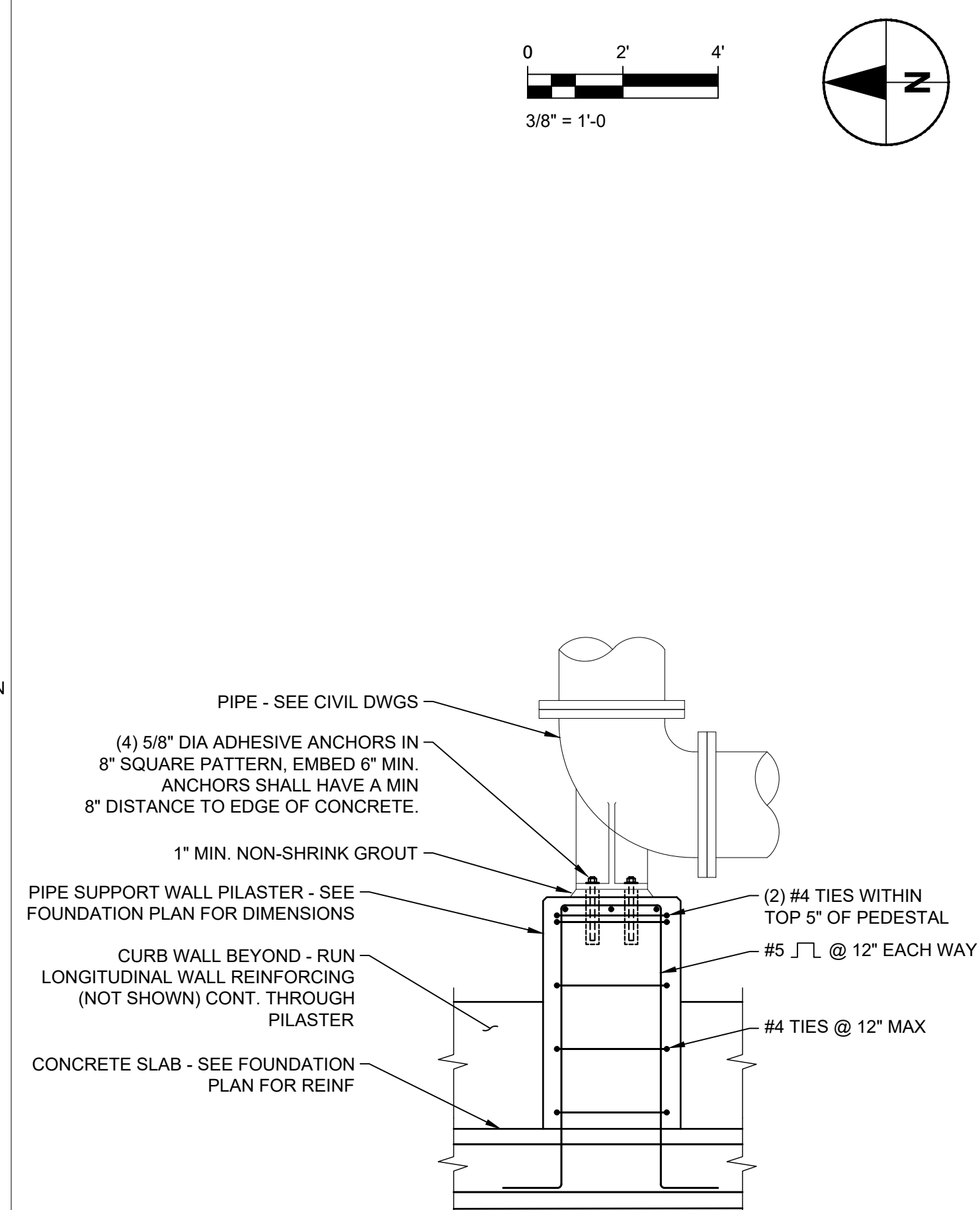
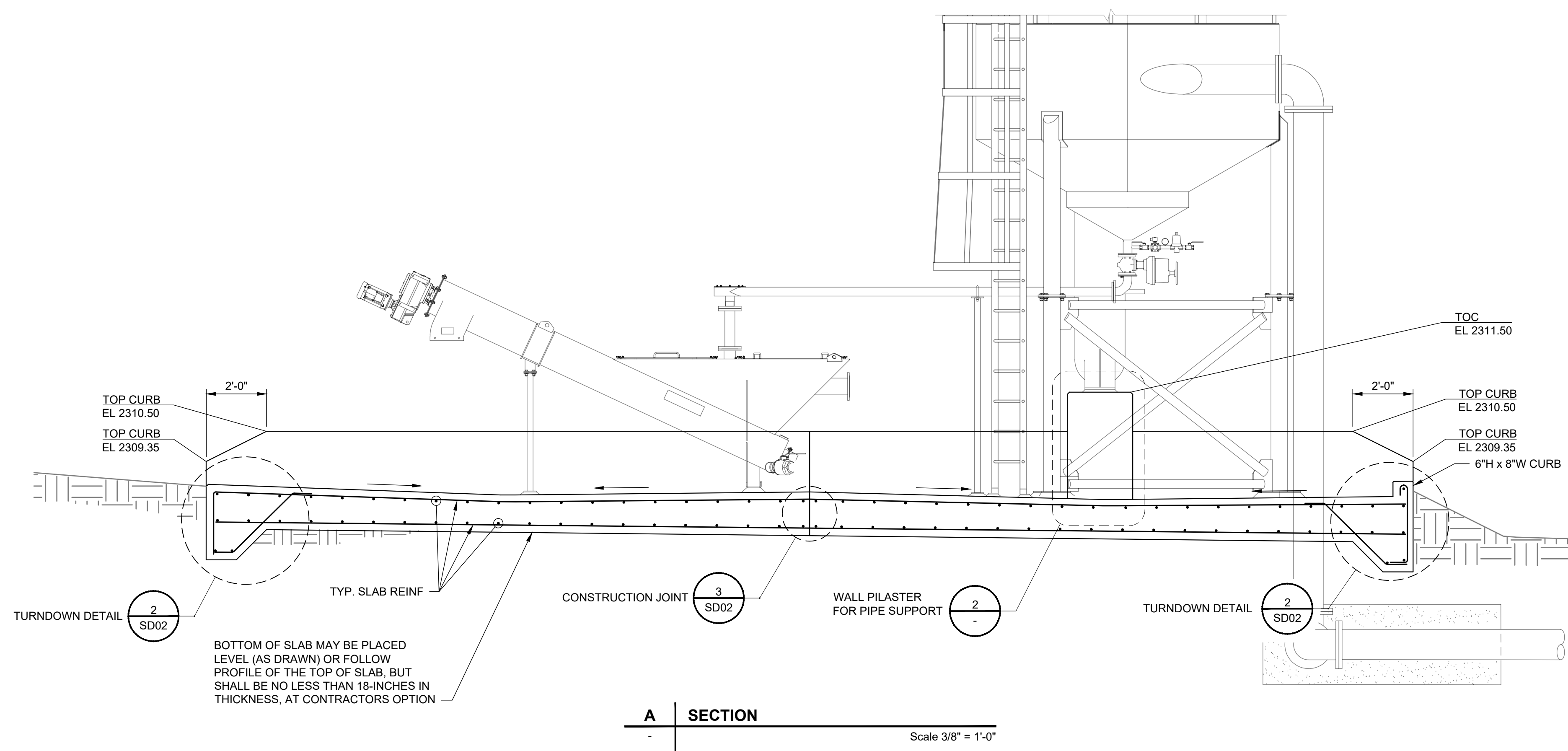
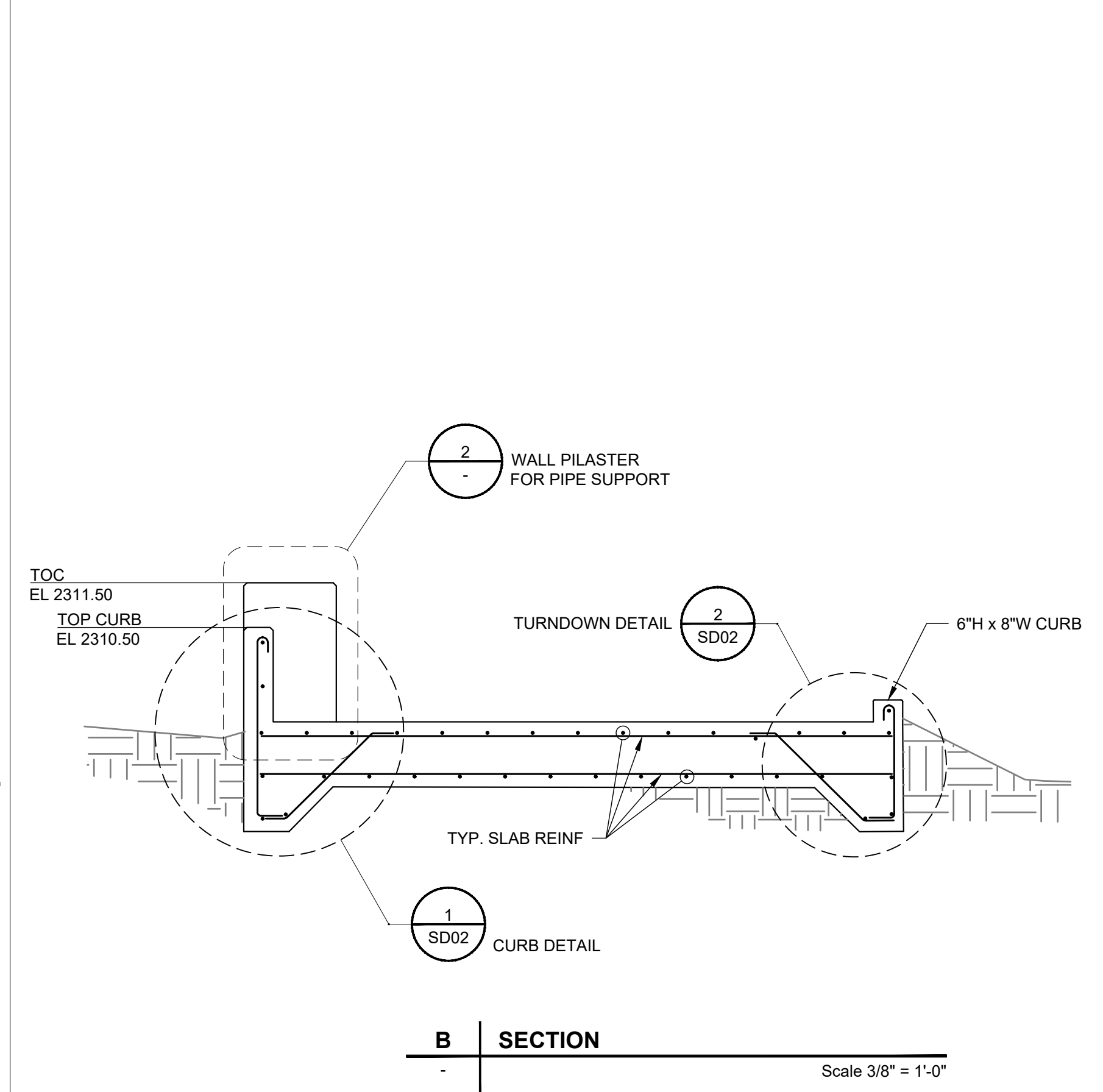
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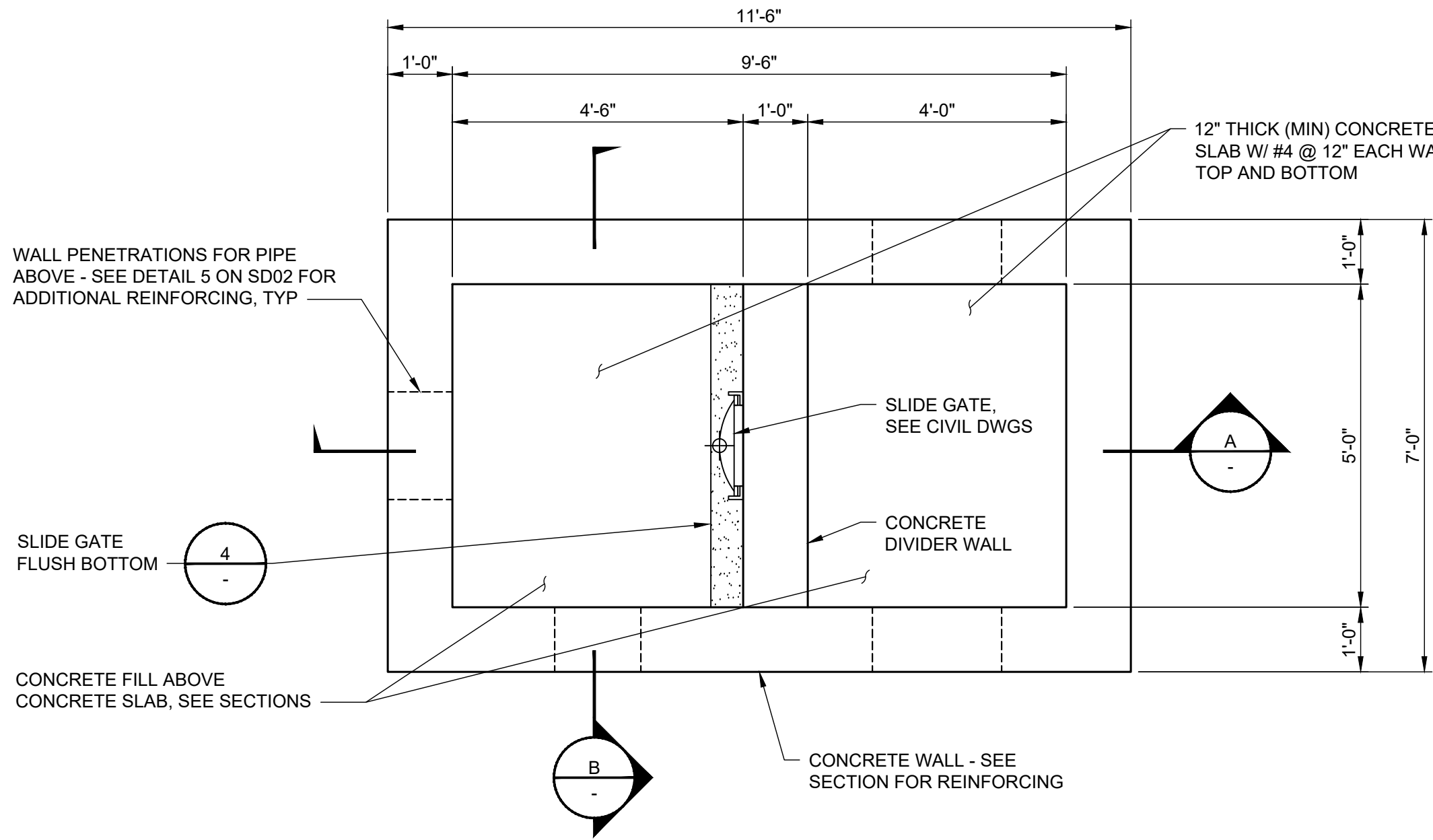
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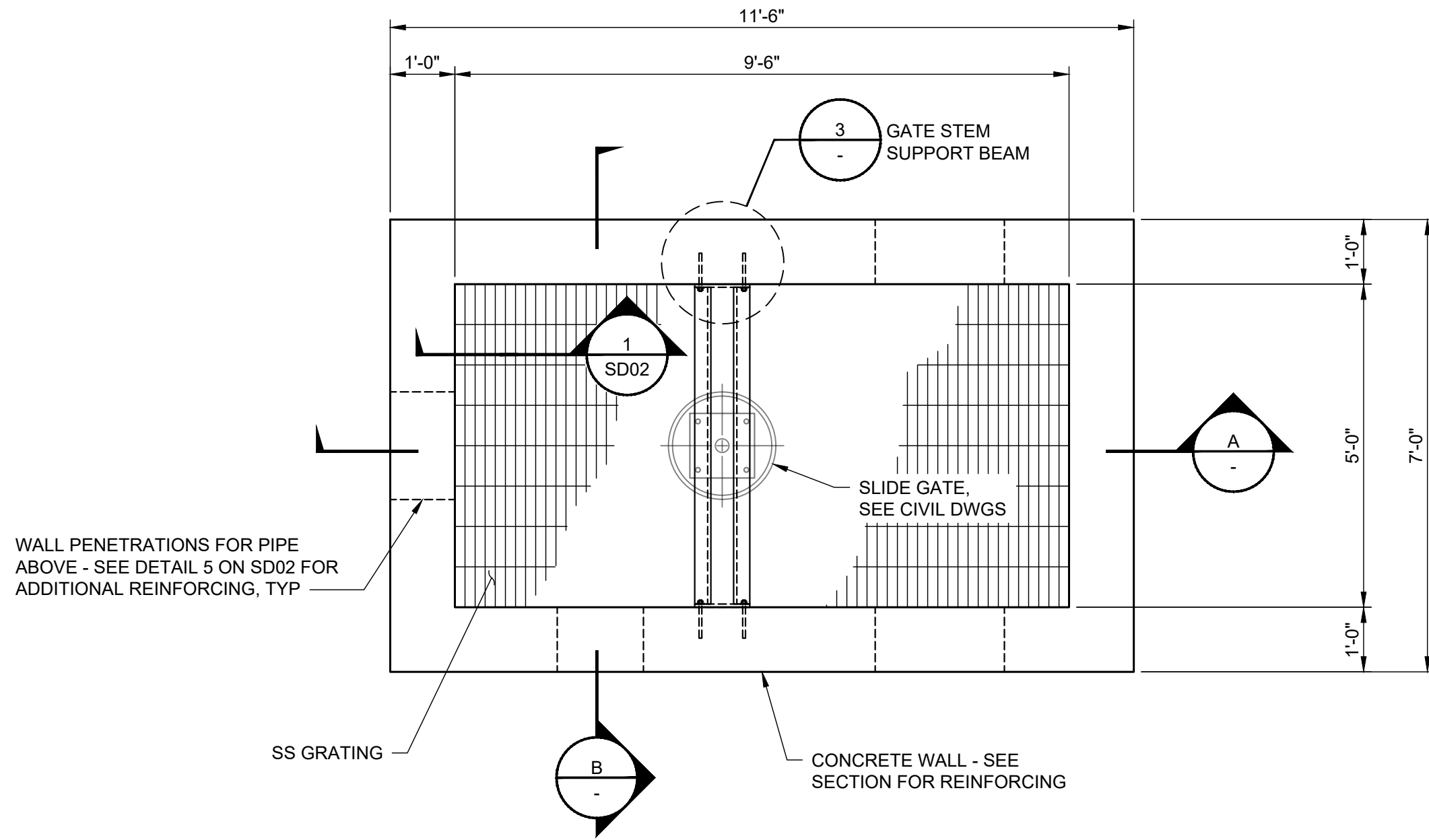
DATE 5/18/2026	SHEET NO.
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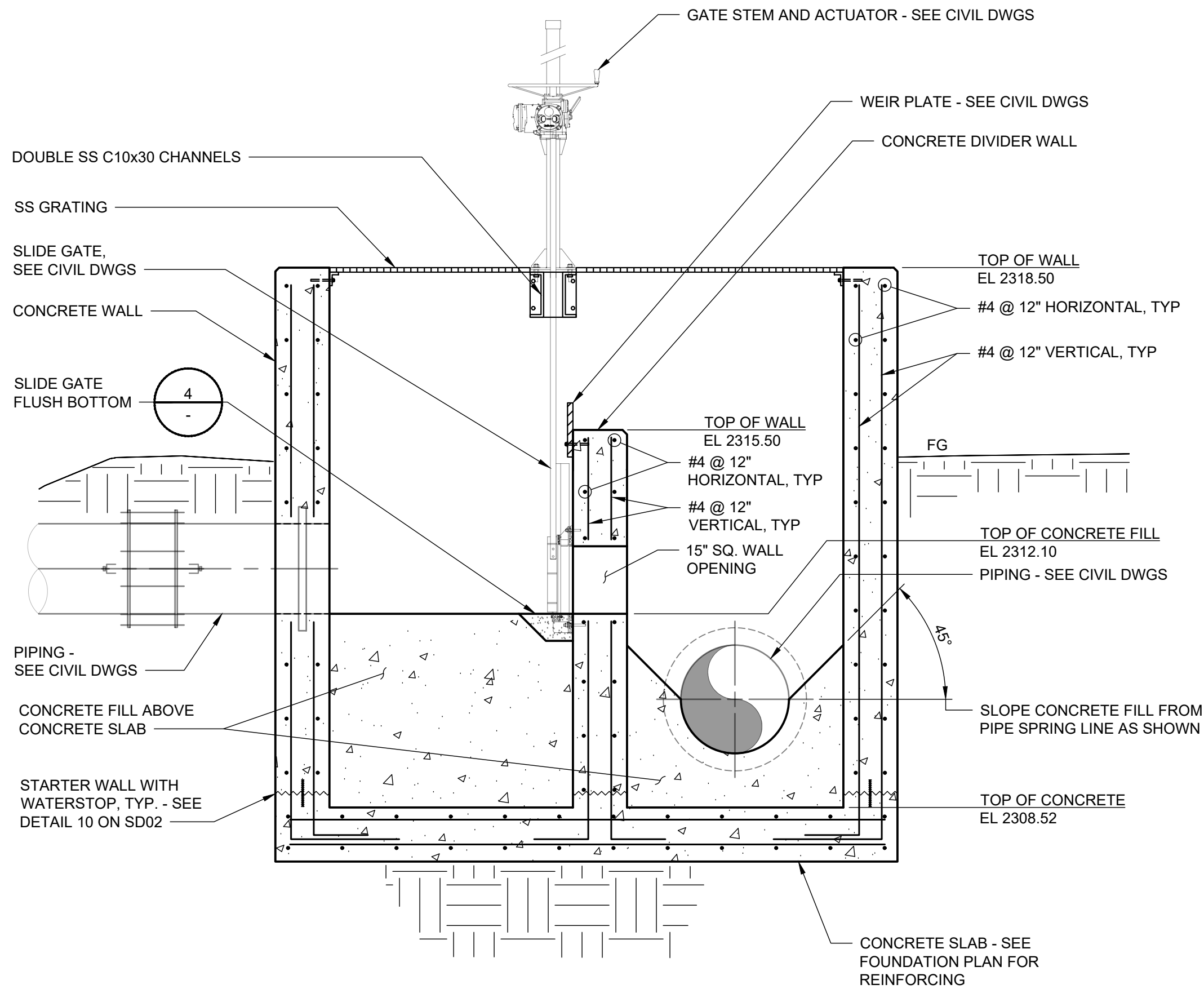
1 | SPLITTER BOX FOUNDATION PLAN

Scale 1/2" = 1'-0"



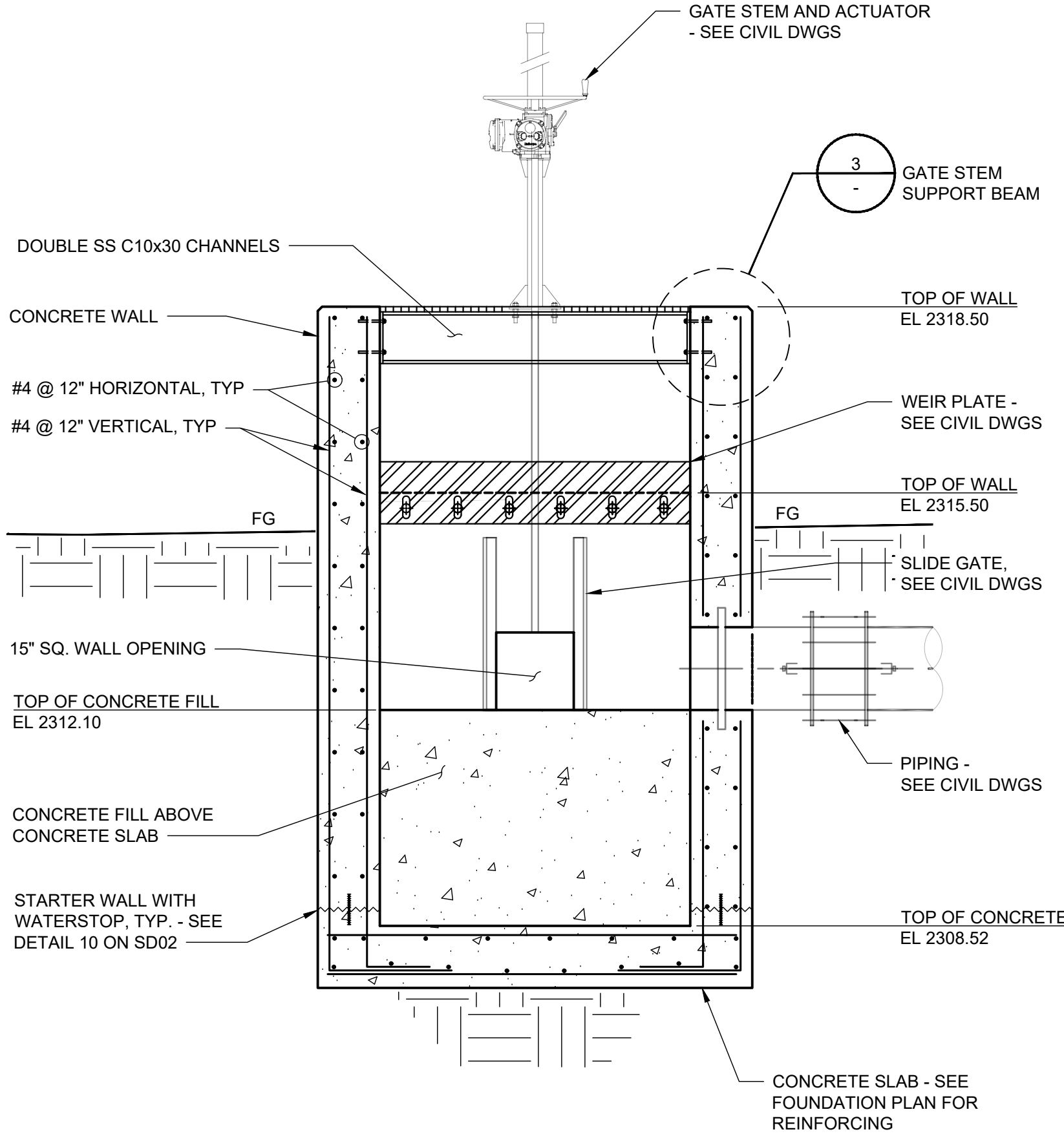
2 | SPLITTER BOX TOP PLAN

Scale 1/2" = 1'-0"



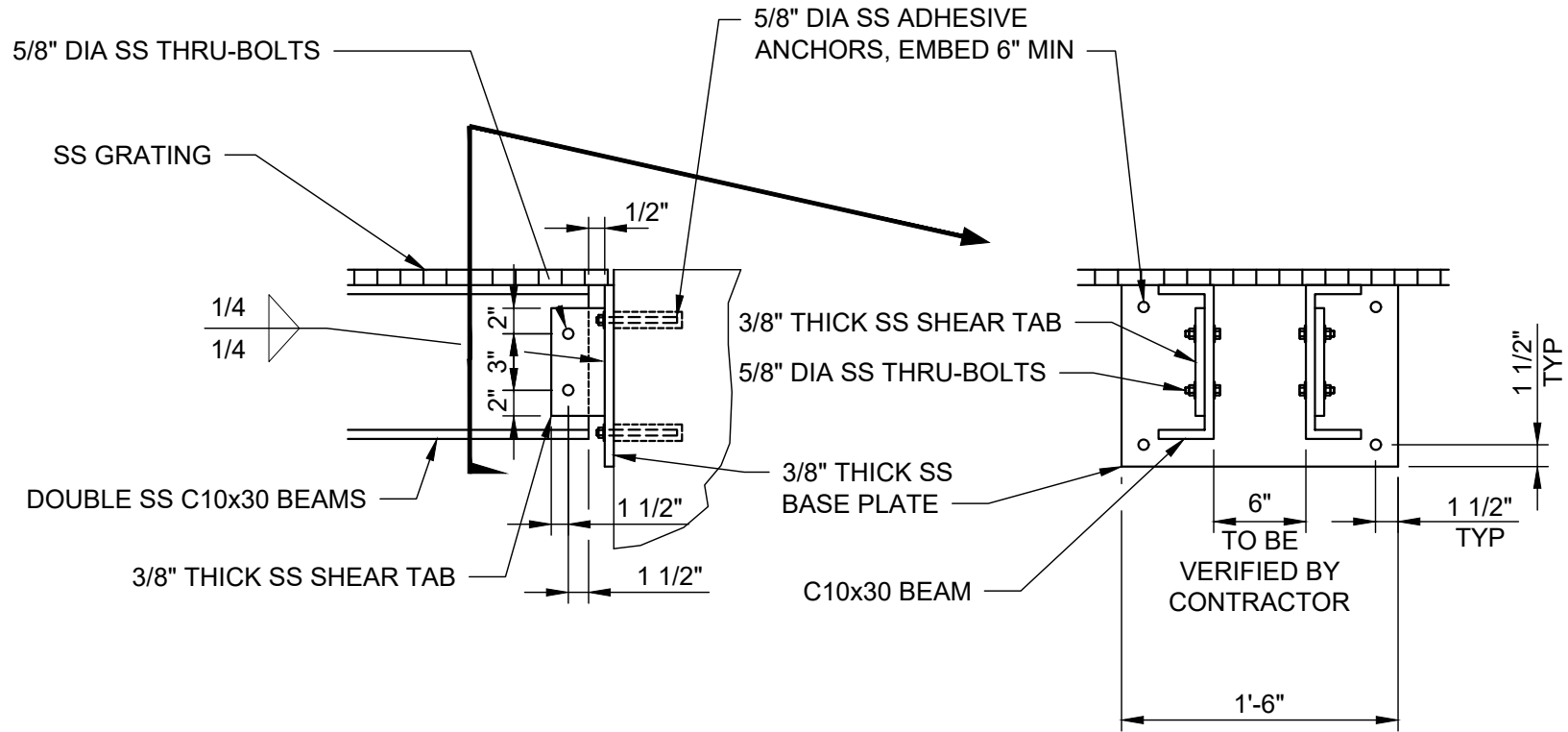
A | SECTION

Scale 1/2" = 1'-0"



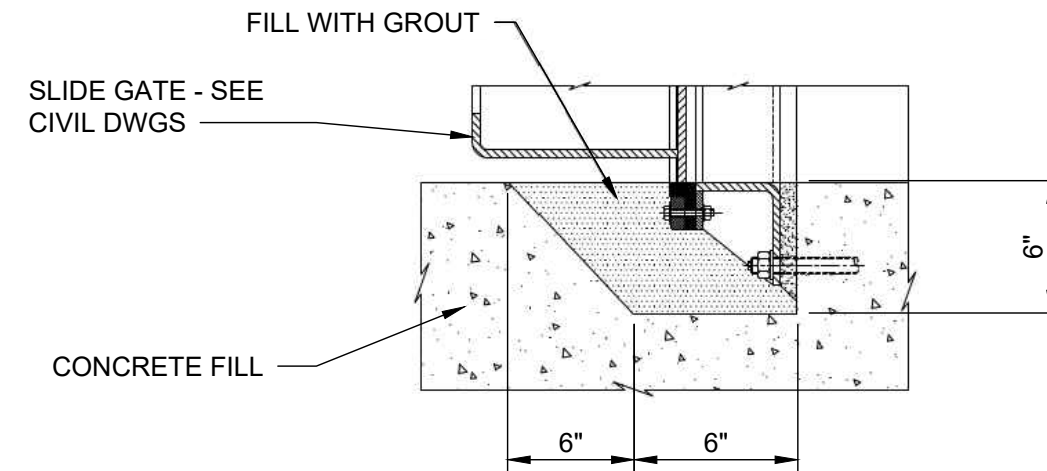
B | SECTION

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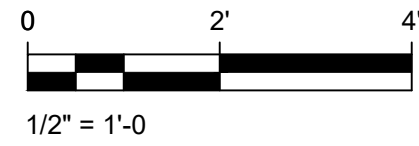
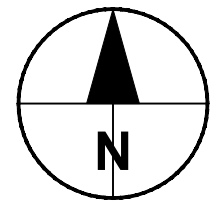
3 | GATE STEM SUPPORT BEAM

Scale 1" = 1'-0"



4 | SLIDE GATE FLUSH BOTTOM

NOT TO SCALE



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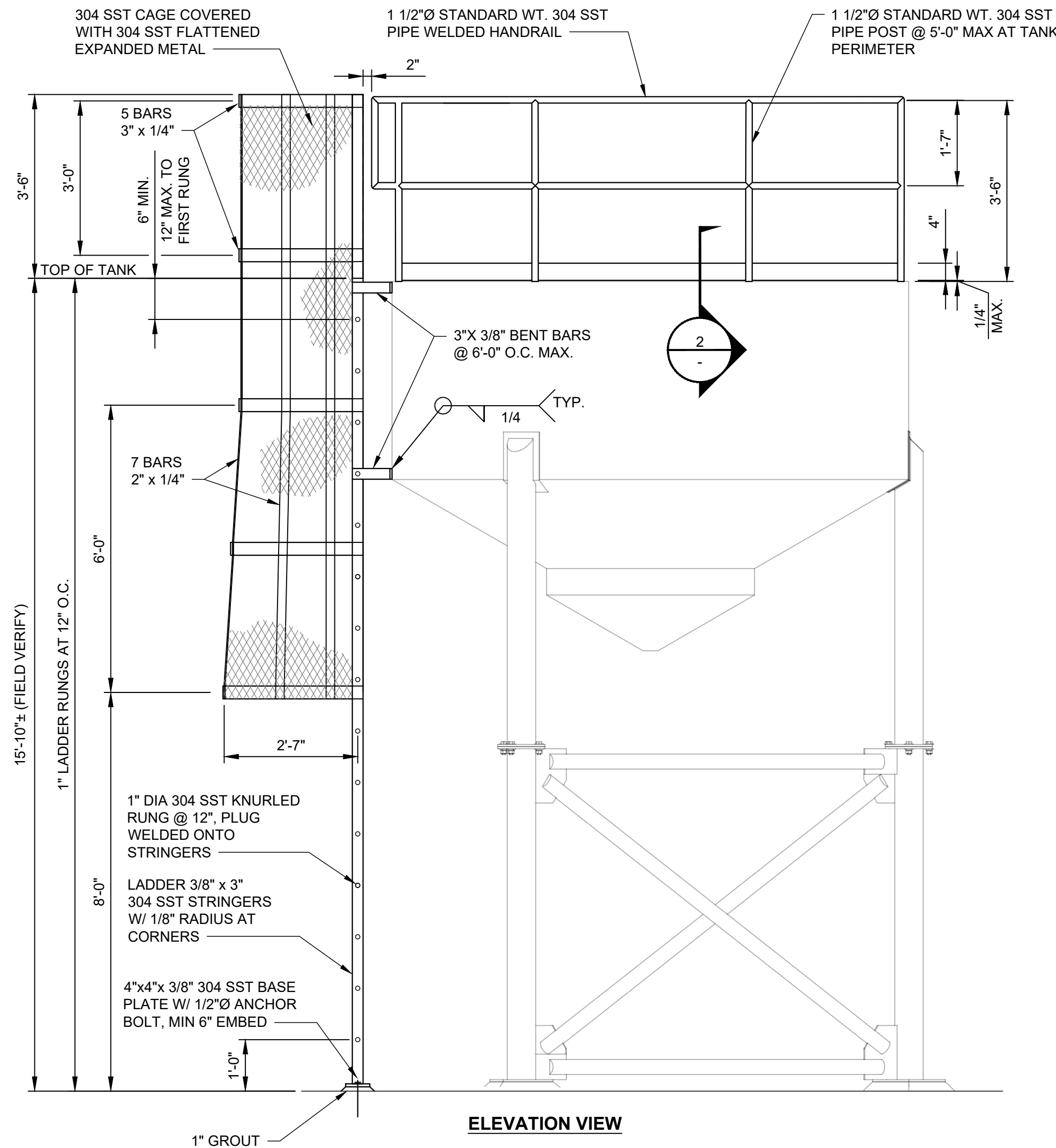


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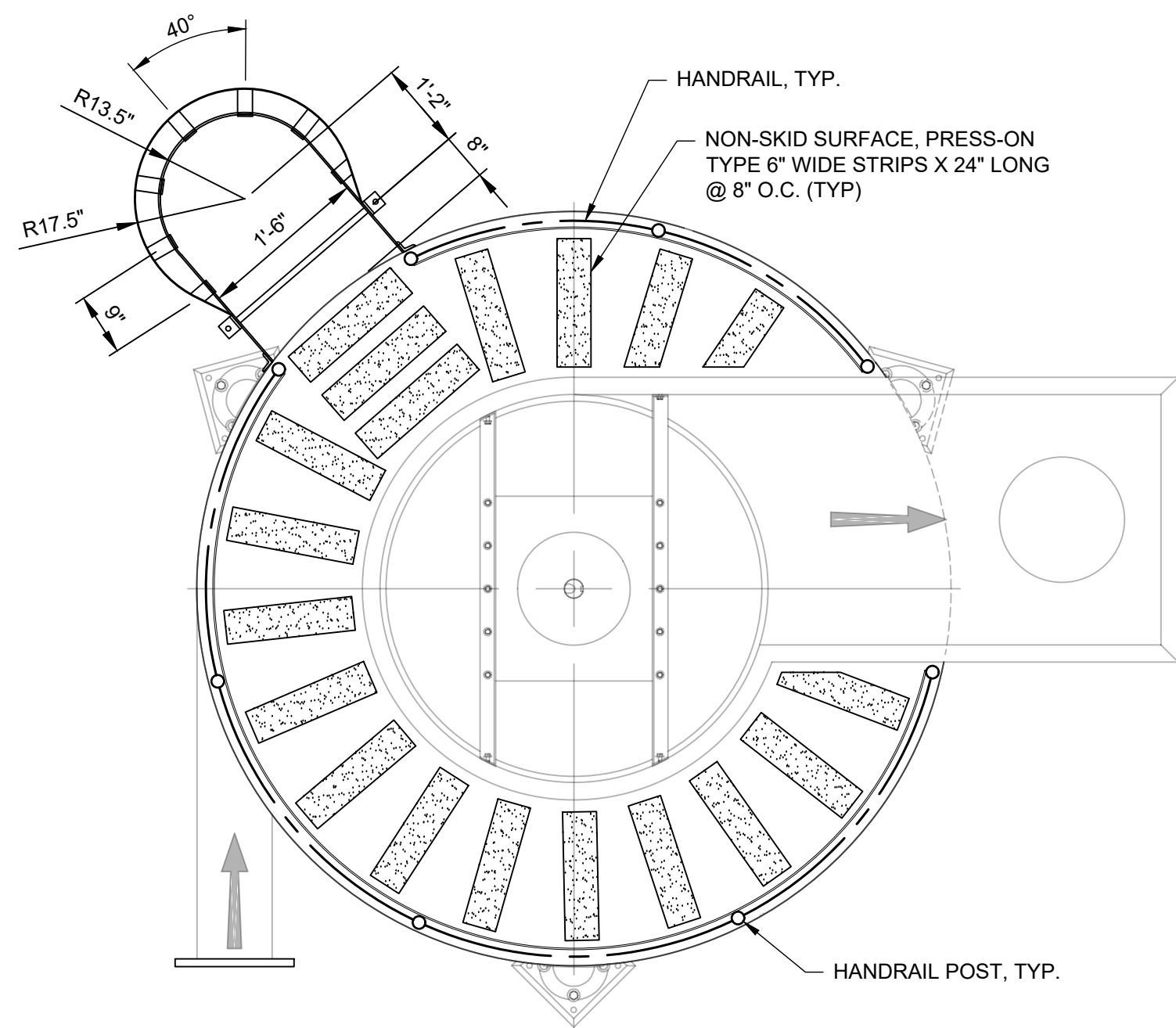
SPLITTER BOX FOUNDATION
PLAN, TOP PLAN, AND SECTIONS

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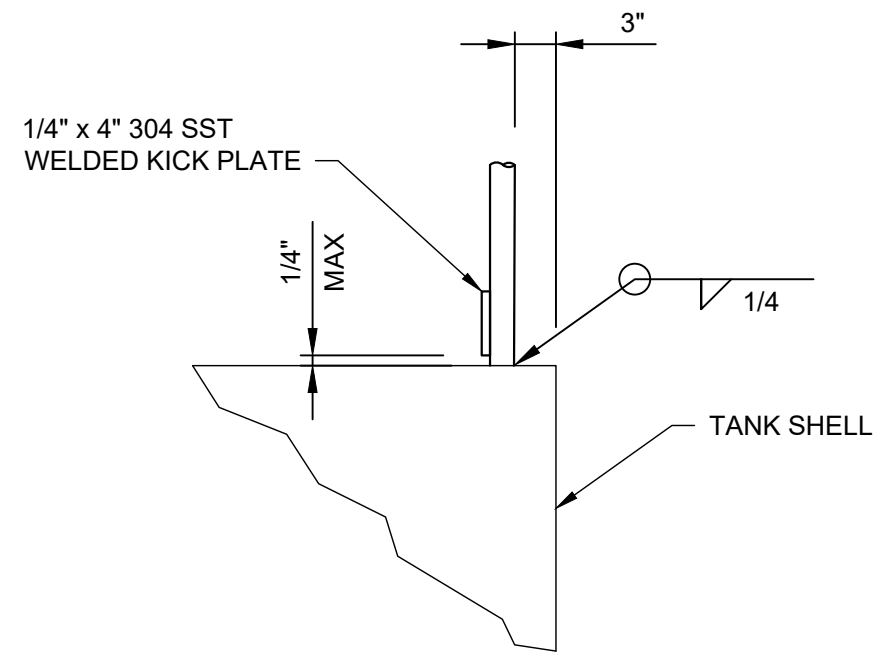


1 TANK LADDER, HANDRAIL, AND SAFETY CAGE DETAIL

Scale 1/2" = 1'-0"

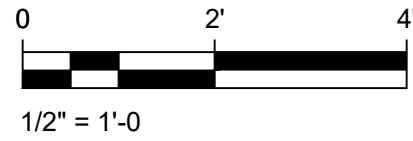


PLAN VIEW



2 GUARDRAIL POST CONNECTION

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JOB NO. 60730277	
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GRIT REMOVAL TANK LADDER, HANDRAIL, AND SAFETY CAGE

GENERAL STRUCTURAL NOTES

THESE NOTES SHALL APPLY UNLESS SHOWN/INDICATED OTHERWISE ELSEWHERE ON THE STRUCTURAL DRAWINGS.

GENERAL

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO ACI 301-20 AND THE AISC MANUAL OF STEEL CONSTRUCTION. ALL ASTM DESIGNATIONS REFERRED TO ON THESE DRAWINGS SHALL BE THE LATEST ADOPTED OR REVISED SPECIFICATION, AS OF THE DATE OF THESE DRAWINGS. WHERE CONFLICTS BETWEEN THESE STANDARDS AND THE PROJECT SPECIFICATIONS OCCUR, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- THE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND SPECIFICATIONS THAT ARE A PART OF THIS PROJECT. NO PORTION OF WORK, INCLUDING SHOP DRAWING DEVELOPMENT, SHALL BE PERFORMED WITHOUT CONSIDERING REQUIREMENTS OF CONTRACT DOCUMENTS IN THEIR ENTIRETY.
- NEITHER THE OWNER NOR THE STRUCTURAL ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING FORMWORK, SHORING, AND BRACING OF ALL TEMPORARY CONSTRUCTION (CONTRACTOR MEANS AND METHODS), AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. SITE OBSERVATION VISITS BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE SAFETY ITEMS. IF A LAWSUIT IS FILED BY ONE OF THE CONTRACTOR'S OR SUBCONTRACTOR'S EMPLOYEES, OR ANY ONE ELSE, BY ACCEPTING THIS CONSTRUCTION CONTRACT, CONTRACTOR AGREES TO INDEMNIFY, DEFEND AND HOLD THE OWNER AND AECOM, THEIR PARENT AND SUBSIDIARY COMPANIES HARMLESS OF ANY AND ALL SUCH CLAIMS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL CONSTRUCTION IN-PROGRESS (WALLS, ETC.) IS ADEQUATELY BRACED AND SHORED DURING CONSTRUCTION. ALL FORMWORK, SHORING, AND BRACING (CONTRACTOR'S MEANS AND METHODS) SHALL BE DESIGNED BY A REGISTERED ENGINEER HIRED BY THE CONTRACTOR. NO BACKFILL OR LOADING OF CONCRETE WALLS SHALL OCCUR UNTIL CONCRETE HAS REACHED ITS 28-DAY COMPRESSIVE STRENGTH.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. SHOULD CONDITIONS EXIST WHICH ARE CONTRARY TO THOSE SHOWN ON PLANS, THE ENGINEER SHALL BE NOTIFIED IN WRITING BEFORE PROCEEDING WITH WORK.
- UNLESS DETAILED, SPECIFIED, OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND THESE GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS WHERE THEY OCCUR.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE CONTRACTOR'S MEANS AND METHODS TO ACCOMPLISH THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS AND PEDESTRIANS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK, ETC. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT BE CONSIDERED AS INSPECTION OF SUCH ITEMS.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
- ALL WORK SHALL CONFORM TO THE PLANS AND SPECIFICATIONS IN ALL RESPECTS AND SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
- SOIL DESIGN DESIGN VALUES ARE BASED UPON SOIL PROFILE FOR SAND (SW/SP/SM/SC/GM/GC) FROM TABLE 1806.2 OF THE CBC ASSUMING UNDISTRUBED NATIVE SOIL. THE SOIL PROFILE TYPE SHOULD BE VERIFIED BY A GEOTECHNICAL ENGINEER AS WELL AS WHETHER THE SOIL IS UNDISTURBED NATIVE. EARTH LOADING VALUES ARE BASED UPON LOADING VALVES PROVIDED IN ASCE 7-22, TABLE 3.2-1, ASSUMING SATURATED SOILS.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL SITE UTILITIES PRIOR TO STARTING WORK, BOTH ABOVE GROUND AND BELOW GROUND, WHICH MAY BE IMPACTED BY THE WORK SHOWN ON THESE DRAWINGS. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- ALL ITEMS SHOWN ON THESE PLANS ARE NEW UNLESS NOTED (E), EXIST. OR EXISTING.

REINFORCING STEEL

- REINFORCEMENT FOR CONCRETE SHALL BE DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 (A706/A706M FOR WELDED REINFORCING). GRADE 60 STEEL SHALL BE USED EXCEPT THAT #3 BARS AND SMALLER MAY BE GRADE 40 STEEL.
- WIRE MESH SHALL CONFORM TO ASTM A1064. LAP 12" WHERE SPLICED.
- ALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER ANCHORAGES PLACED IN CONCRETE SHALL BE ACCURATELY PLACED AND POSITIVELY SECURED AND SUPPORTED BY CONCRETE BLOCKS, METAL CHAIRS, SPACERS, OR METAL HANGERS, AND SHALL BE IN POSITION BEFORE CONCRETE PLACING OR GROUTING IS BEGUN. DETAILING AND PLACING OF BARS SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICES.
- BARS SPECIFIED AS "CONTINUOUS" SHALL EXTEND THE FULL LENGTH OF THE MEMBER CONTAINING THEM AND MAY BE SPLICED (UNLESS NOTED OR SHOWN WITHOUT SPLICES ON THE PLANS). IN MASONRY, PROVIDE LAPS PER DETAIL 4 ON DRAWING SD02. STAGGER ALL SPLICES.
- DOWELS SHALL BE PROVIDED AT ALL POUR JOINTS AND SHALL BE THE SAME SIZE AND SPACING AS REINFORCING DIRECTLY BEYOND POUR JOINTS.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD, UNLESS OTHERWISE PERMITTED BY THE ENGINEER. REBENDING OF BARS IS NOT PERMITTED.
- WELDING OF REINFORCING STEEL, METAL INSERTS AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO ANSI/AWS D1.4-11. USE LOW HYDROGEN E-70 SERIES ELECTRODES FOR WELDING OF REINFORCING BARS. CONTINUOUS INSPECTION IS REQUIRED OF ALL FIELD WELDING IN ACCORDANCE WITH AWS D1.1.
- THE SPECIFIED DIMENSIONS OF THE VERTICAL LEGS OF "L" DOWELS, WHOSE HORIZONTAL LEGS ARE CAST INTO A FOOTING OR SLAB CAST ON TOP OF EARTH, ARE BASED UPON THE SLAB THICKNESS AS SHOWN ON THE DRAWINGS. IF A SLAB IS POURED THICKER THAN SHOWN ON THE DRAWINGS, SUCH AS FOR THE SUBGRADE OCCURRING AT A LOWER ELEVATION THAN SHOWN, THE VERTICAL LEGS MUST BE FABRICATED TO A LONGER LENGTH OR THE HORIZONTAL TAILS MUST BE SUPPORTED ABOVE SUBGRADE HIGH ENOUGH TO PROVIDE THE SAME AMOUNT OF LAP LENGTH BETWEEN THE DOWEL AND THE WALL VERTICAL REINFORCING.
- CONDUIT AND PIPING SHALL BE FABRICATED AND INSTALLED SO THAT CUTTING, BENDING, OR DISPLACEMENT OF REINFORCEMENT FROM ITS SPECIFIED LOCATION WILL NOT BE REQUIRED. (REF. ACI 318-14, SECTION 26.8.2).

CONCRETE

- AGGREGATES FOR CONCRETE SHALL CONFORM TO ASTM C33. CONCRETE f'c AT 28 DAYS SHALL BE AS NOTED BELOW. REQUIRED AVERAGE COMPRESSIVE STRENGTH (fcr) SHALL BE IN ACCORDANCE WITH ACI 301-16, ARTICLE 4.2.3.

CONCRETE SCHEDULE		
ITEMS	28 DAY COMPRESSIVE CYLINDER STRENGTH	
	2500 PSI	4000 PSI
ALL CONCRETE, U.N.O.		X

- CEMENT FOR CONCRETE SHALL BE TYPE II PORTLAND CEMENT CONFORMING TO ASTM C150, WITH ASTM C150 TABLE 2 OPTIONAL REQUIREMENTS.
- READY MIXED CONCRETE SHALL CONFORM TO ASTM C94.
- CONCRETE COVER FOR REINFORCING BARS SHALL BE: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3" EXPOSED TO EARTH OR WEATHER. = 2"
- DRYPACK SHALL BE 1 PART CEMENT AND 3 PARTS SAND (BY VOLUME).
- NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. SEE MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES THROUGH WALLS AND FLOORS.
- REFER TO DRAWING DETAILS FOR ALL MOLDS, GROOVES, CLIPS, GROUNDS, ORNAMENTS AND OTHER INSERTS TO BE CAST IN CONCRETE.
- THE LOCATION OF ALL CONSTRUCTION JOINTS NOT SPECIFICALLY NOTED OR SHOWN SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
- "ROUGHENED SURFACES", WHERE SPECIFIED ON THE DRAWINGS, SHALL BE MECHANICALLY ROUGHENED SUCH THAT A 1/4"± AMPLITUDE IS ACHIEVED BETWEEN HIGH AND LOW SPOTS OF THE ROUGHENED SURFACE. THE SURFACE SHALL BE CLEAN AND FREE OF LAITANCE.
- ALL SLABS SHALL HAVE A TROWEL FINISH EXCEPT AS NOTED ON THE DRAWINGS.
- PROVIDE 3/4" CHAMFER AT ALL EXPOSED (I.E., NOT BURIED OR CONCEALED FROM VIEW OR ACCESS) CONCRETE EDGES AND CORNERS REGARDLESS OF WHETHER OR NOT SHOWN AS SUCH ON THE DRAWINGS.
- FOR CONSTRUCTION BELOW GRADE AND IN AREAS IN CONTACT WITH LIQUIDS, ALL HOLES AND FORM TIE HOLES SHALL BE SEALED WITH A PLUG AND FILLED WITH AN APPROVED WATERPROOF EPOXY GROUT OR NON-SHRINK GROUT, UNO. HOLES SHALL BE ROUGHENED AND PLUGGED AFTER THE REMOVAL OF ALL FORM CLAMPS, BOLTS AND OTHER HARDWARE.

STAINLESS STEEL

- STAINLESS STEEL BOLTS SHALL CONFORM TO ASTM F593, LATEST REVISION TYPE 316, UNO. STAINLESS STEEL NUTS SHALL CONFORM TO ASTM F594, TYPE 316. STAINLESS STEEL FOR WASHERS SHALL BE TYPE 316.
- STAINLESS STEEL PLATES, BARS, AND STUDS SHALL CONFORM TO ASTM A666, LATEST REVISION. PROVIDE TYPE 316 STAINLESS STEEL (316L WHEN WELDING IS REQUIRED) UNLESS NOTED OTHERWISE. MINIMUM YIELD STRENGTH SHALL BE 30 KSI.
- STAINLESS STEEL STRUCTURE SHAPES SHALL CONFORM TO ASTM A276, LATEST REVISION, TYPE 316 (304L WHEN WELDING IS REQUIRED). MINIMUM YIELD STRENGTH SHALL BE 30 KSI.
- STAINLESS STEEL PIPES SHALL CONFORM TO ASTM A312, LATEST REVISION, TYPE 304 (304L WHEN WELDING IS REQUIRED).

DESIGN CRITERIA

DESIGN CODES AND REFERENCES (WHERE CONFLICTS OCCUR, THE MOST STRINGENT SHALL APPLY):

ASCE 7-22
ACI 350-20

LIVE LOADS:
GRATING LIVE LOAD: 100 PSF

SOIL DESIGN PARAMETERS:
MODULUS OF SUBGRADE REACTION (ASSUMED) = 100 PCI
ALLOWABLE BEARING PRESSURE = 1500 PSF
AT-REST LATERAL EARTH PRESSURE = 100 PSF/FT

ADHESIVE ANCHORS AND DOWELS

- ADHESIVE FOR ANCHORS AND DOWELS SHALL BE HILTI "HIT-RE 500 V3" AS MANUFACTURED BY HILTI, INC.
- ADHESIVE ANCHORS AND DOWELS SHALL BE INSTALLED IN ACCORDANCE WITH ICC EVALUATION REPORT NO. 3814 FOR CONCRETE.
- SPECIAL INSPECTION PER MANUFACTURERS INSTRUCTIONS SHALL BE PROVIDED DURING INSTALLATION.
- AN ALTERNATIVE ADHESIVE ANCHOR PRODUCT MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL, PROVIDED THAT IT HAS A CURRENT ICC EVALUATION REPORT APPROVAL.
- ALL ABANDONED HOLES SHALL BE FILLED WITH A DRYPACK GROUT WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5,000 PSI. THE FILLED HOLE(S) SHALL BE PREPARED AND CLEANED AS REQUIRED BY THE GROUT MANUFACTURER.
- LOCATE EXISTING REINFORCING USING A NON-DESTRUCTIVE METHOD (PACHOMETER OR OTHER), PRIOR TO DRILLING HOLES FOR ANCHORS. MAINTAIN A MINIMUM CLEARANCE OF 1" BETWEEN THE REINFORCEMENT AND THE ANCHOR.
- STAINLESS STEEL ANCHOR RODS SHALL CONFORM TO ASTM F593, TYPE 316, UNLESS NOTED OTHERWISE.

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DATE 5/18/2026		SHEET NO. SD01
DESIGNED BY TN		
DRAWN BY DG		
CHECKED BY DAK		
JOB NO. 60730277		PAGE 18 OF 30
		DRAWING FILE 60730277_SD01.dwg

STRUCTURAL GENERAL NOTES
AND DESIGN CRITERIA

z:\bakersfield-habitat\Legacy\Work\RO4\60730277 - wwtp grit removal system improvements\900 ccd-gis\90 CAD\02-SHEETS\Structural\60730277_SD01.dwg

z:\bakersfield-ubakfil\Legacy\Work\RO4\60730277 - wwtp grit removal system improvements\900 cad-dwg\190 CAD\02-SHEET\Electrical\60730277-E01.dwg

ELECTRICAL SYMBOLS - PLANS	
SYMBOL	DESCRIPTION
<div><div>D-XXX</div><div>M-XXX</div><div>SP-X</div><div>P-XXX</div><div>A-XXX</div></div>	CONDUIT DESIGNATION: (SEE CONDUIT SCHEDULE) XXX = CONDUIT NUMBER P = POWER SP = SPARE, 1" CO. UON D = DISCRETE M = MANUFACTURER-SUPPLIED CABLE A = ANALOG
	LED FIXTURE – CIRCLE INDICATES OUTLET, CEILING MOUNTED
	AUXILIARY LIGHT
	POLE MOUNTED LIGHTING FIXTURE & LIGHTING PULLBOX
	POLE MOUNTED LIGHTING FIXTURE (2 PER POLE) AND LIGHTING PULL BOX
	WALL MOUNTED LIGHTING FIXTURE
	FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE)
	DUPLEX RECEPTACLE, +12" UON.
	DUPLEX RECEPTACLE, GFCI +12" UON.
	QUAD RECEPTACLE, +12" UON.
	CONDUIT IN SLAB OR UNDERGROUND AS APPLICABLE
	CONDUIT EXPOSED
	GROUNDING ELECTRODE
	CONDUIT BODY WHERE ONE FLEXIBLE CONDUIT IS SHOWN OR REQUIRED. JBOX WHERE MORE THAN ONE FLEXIBLE CONDUIT IS SHOWN OR REQUIRED.
	CONDUIT BENDS TOWARD OBSERVER.
	CONDUIT BENDS AWAY FROM OBSERVER
	HOMERUN TO PANEL 'LA', CIRCUIT 1
	STUB-OUT & CAP

ELECTRICAL SYMBOLS - PLANS (CONT.)	
SYMBOL	DESCRIPTION
	FIRE ALARM AUTOMATIC SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	THERMOSTAT BY HVAC INSTALLER
	SINGLE POLE SWITCH, +48" UON SEE GENERAL NOTE 4
	2-POLE SWITCH, +48" UON SEE GENERAL NOTE 4
	3-WAY SWITCH, 4-WAY SWITCH, +48" UON SEE GENERAL NOTE 4
	MANUAL STARTER SEE GENERAL NOTE
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	PANELBOARD
	LOCAL CONTROL SWITCH UON. MOUNTED ON A C-CHANNEL SUPPORT
	C-CHANNEL SUPPORT. SEE DETAIL 4/EDT-01.
	C-CHANNEL SUPPORT WITH BACKPLATE. SEE DETAIL 4/EDT-01.
	SEE NOTE INDICATED
	FLEXIBLE CONDUIT CONNECTION
	DUCT SMOKE DETECTOR

ELECTRICAL SYMBOLS - SINGLE LINE DIAGRAM	
SYMBOL	DESCRIPTION
	POWER TRANSFORMER
	FUSE
	GROUND
	MOTOR, 10 HORSEPOWER
	CIRCUIT BREAKER, 3P – 3-POLE. 100A – 100 AMPERES.
	MOTOR CIRCUIT PROTECTOR 100A-100 AMPERES
	CURRENT TRANSFORMER
	CONTACTOR
	STARTER, 1 – NEMA SIZE
	POTENTIAL TRANSFORMER
	DRY-TYPE TRANSFORMER
	GENERATOR
	POWER QUALITY MONITOR
	POWER MONITORING DEVICE
	UTILITY METER
	VOLTMETER
	VOLTMETER SELECTOR SWITCH
	TRANSIENT VOLT SUPPRESSION SYSTEM
	NON-FUSED DISCONNECT SWITCH, 30A, 3P, UON
	COMBINATION STARTER

ELECTRICAL SYMBOLS - SCHEMATIC DIAGRAMS		
NORMALLY OPEN	NORMALLY CLOSED	DEVICE
		CONTACT
		TIMED CONTACT – CONTACT ACTION RETARDED ON ENERGIZATION
		PUSHBUTTON, SINGLE CIRCUIT, MOMENTARY CONTACT
		PUSHBUTTON, SINGLE CIRCUIT, MAINTAINED CONTACT. LOS – LOCKOUT STOP
		LIMIT SWITCH, TORQUE SWITCH
		LIQUID LEVEL SWITCH
		PRESSURE SWITCH
		THERMOSTAT, TEMPERATURE SWITCH
		FLOW SWITCH
		SELECTOR SWITCH
		FUSE
		MOTOR OVERLOAD HEATER CONTACTS
		PILOT LIGHT, R=RED, W=WHITE, G=GREEN, A=AMBER
		PILOT LIGHT, PUSH-TO-TEST, R=RED, W=WHITE, G=GREEN, A=AMBER
		RELAY, CR-CONTROL RELAY, AR-ALARM RELAY
		TIME DELAY RELAY. TIME DELAY ON ENERGIZATION
		TIME DELAY RELAY. TIME DELAY ON DEENERGIZATION
		STARTER COIL
		SOLENOID OPERATED VALVE
		ELAPSED TIME METER
		CONTROL POWER TRANSFORMER
		GROUND
		WIRING IN MOTOR STARTER, UON
		FIELD WIRING
		WIRE TERMINAL IN MOTOR STARTER
		MOTOR ANTICONDENSATION HEATER

ABBREVIATIONS	
A	AMPERES
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
CKT	CIRCUIT
CO	CONDUIT ONLY
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
DB	DUCT BANK
DWG	DRAWING
ELEC	ELECTRICAL
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
G	GROUND FAULT INTERRUPTER
GFI	GROUND FAULT INERRUPTER
GND	GROUND
GOB	GATE OPEN BUTTON
GOCp	GATE OPERATOR CONTROL PANEL
HID	HIGH INTENSITY DISCHARGE
HOA	HAND OFF AUTOMATIC
ICP	INSTRUMENTATION CONTROL PANEL
INSTR	INSTRUMENTATION
JB	JUNCTION BOX
JBOX	JUNCTION BOX
kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT-AMPERE
LCP	LOCAL CONTROL PANEL
LOS	LOCKOUT SWITCH
LV	LOW VOLTAGE
MAX	MAXIMUM
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O/C	OPEN/CLOSE
OL'S	OVERLOADS
PB	PULLBOX
PG&E	PACIFIC GAS & ELECTRIC
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PWR	POWER
QTY	QUANTITY
REF	REFERENCE
SCCR	SHORT CIRCUIT CURRENT RATING
SP	SPARE
TDB	TELEPHONE DATA BACKBOARD
TSP	TWISTED SHIELDED PAIR
TST	TWISTED SHIELDED TRIAD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
VS	VARIABLE SPEED
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
Z1	FIRE ALARM ZONE REFERENCE

GENERAL NOTES:

- NOT ALL SYMBOLS AND/OR ABBREVIATIONS INCLUDED IN THIS SHEET ARE NECESSARILY USED IN THIS PROJECT.
- INSTRUMENTS ARE SHOWN IN THEIR GENERAL VICINITY AND MAY NOT NECESSARILY MATCH LOCATIONS SHOWN ON THE PROCESS DRAWINGS MECHANICAL SHEETS. VERIFY ACTUAL LOCATIONS OF INSTRUMENTS AND RUN ASSOCIATED CONDUITS ACCORDINGLY.
- ALL RECEPTACLE & SWITCH INSTALLATION HEIGHTS SHALL COMPLY WITH REQUIREMENTS OF SECTION 1117B.6 (2025 CALIFORNIA BUILDING CODE).

CLIENT



ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

APPROVED BY
RCSD BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS DATE

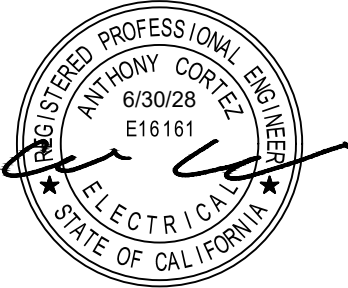
RECOMMENDED FOR APPROVAL

GENERAL MANAGER DATE

AECOM

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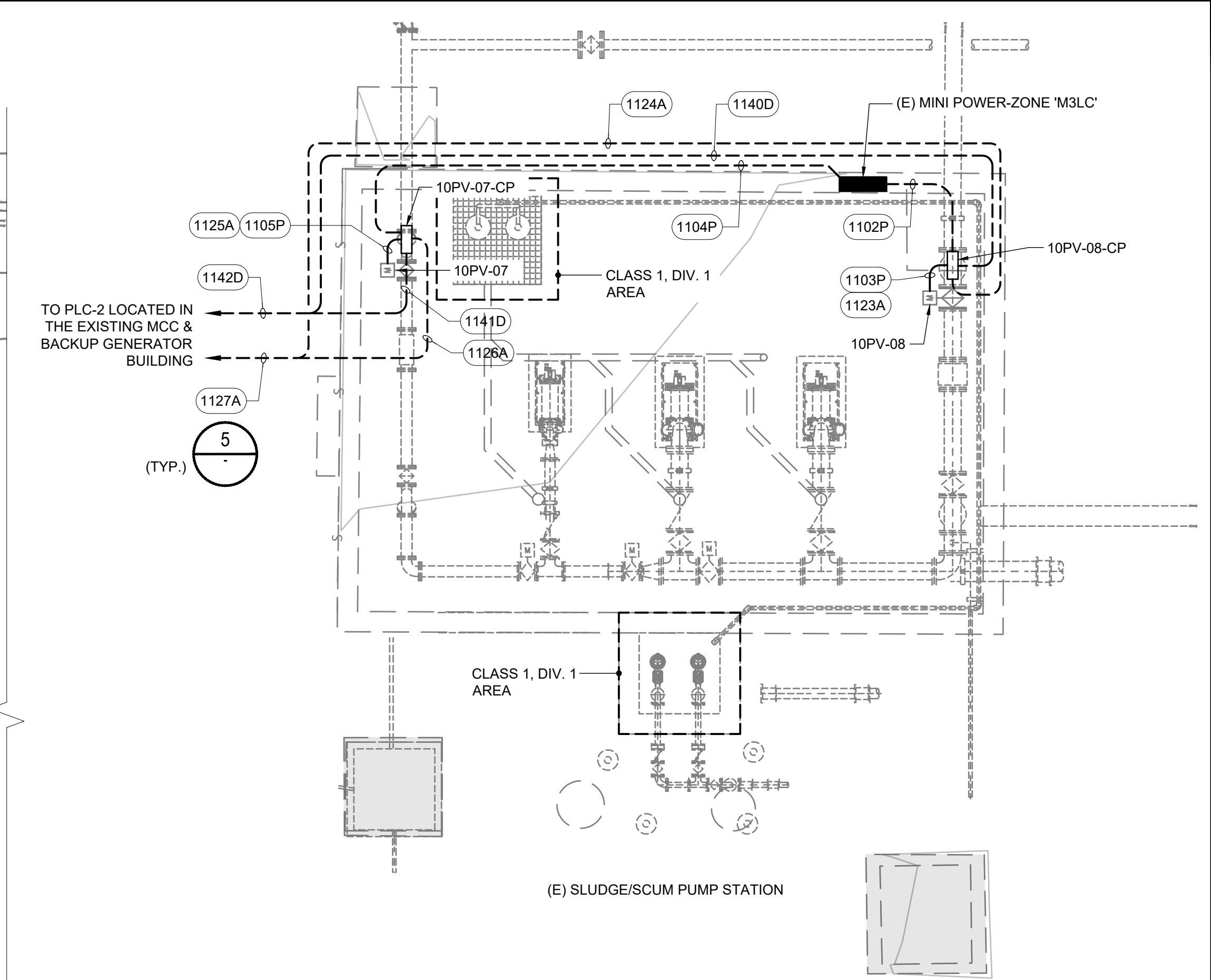
CONSULTANT STAMP



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DATE 5/18/2026	SHEET NO. E01
DESIGNED BY NG	
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JOB NO. 60730277	PAGE 20 OF 30
	DRAWING FILE 60730277-E01.dwg

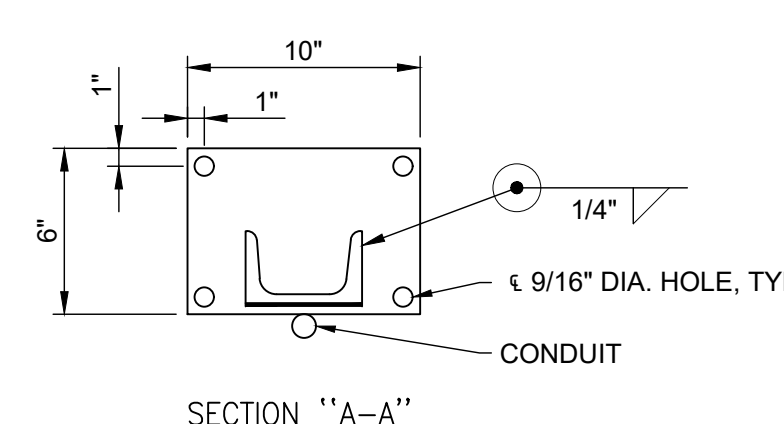
ELECTRICAL LEGEND AND ABBREVIATIONS



A north arrow pointing upwards, labeled 'N' at the bottom. To its right is a graphic scale bar with markings for 0, 5', and 1". Below the bar, it indicates that 1" equals 5'.

NOTE:

1 SCAN TO IDENTIFY THE UNDERGROUND UTILITIES BEFORE INSTALLING UNDERGROUND CONDUITS.

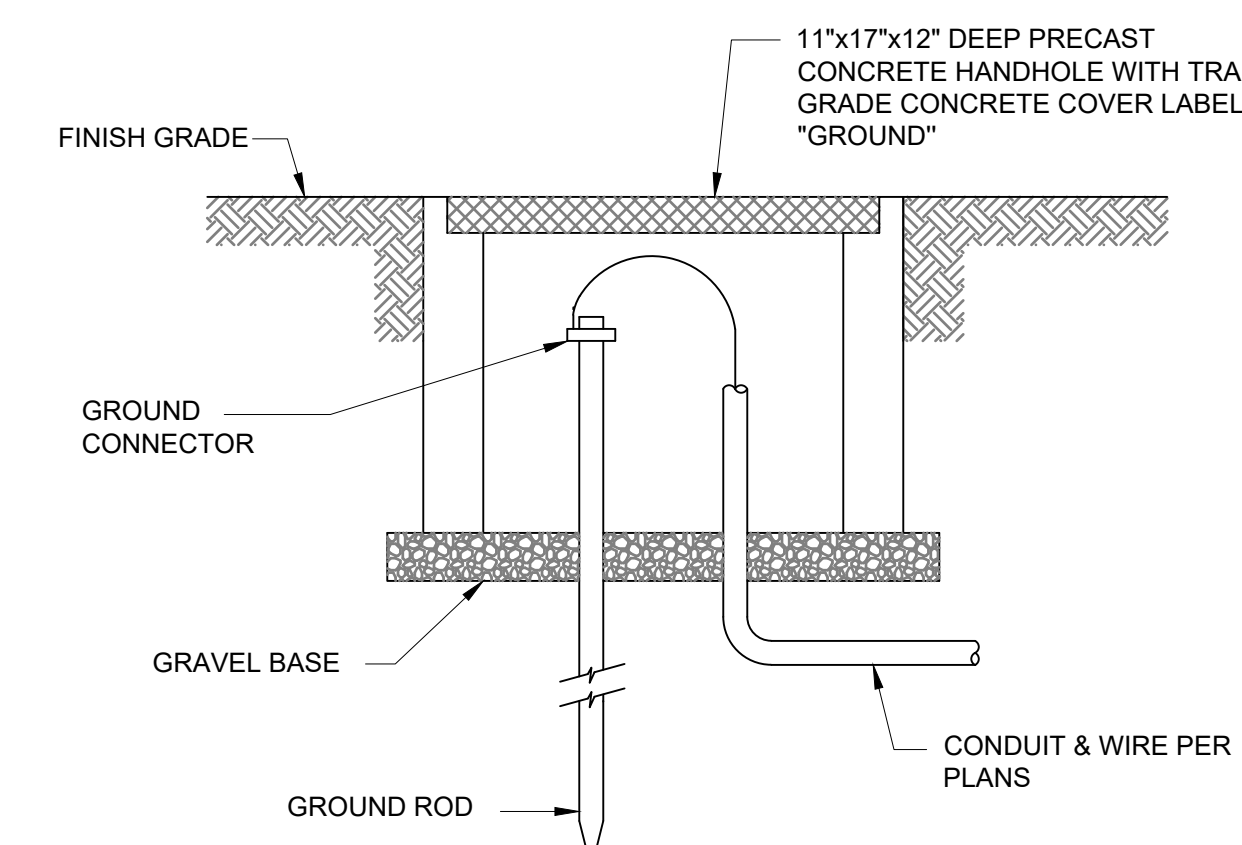


CONDUIT PER PLANS

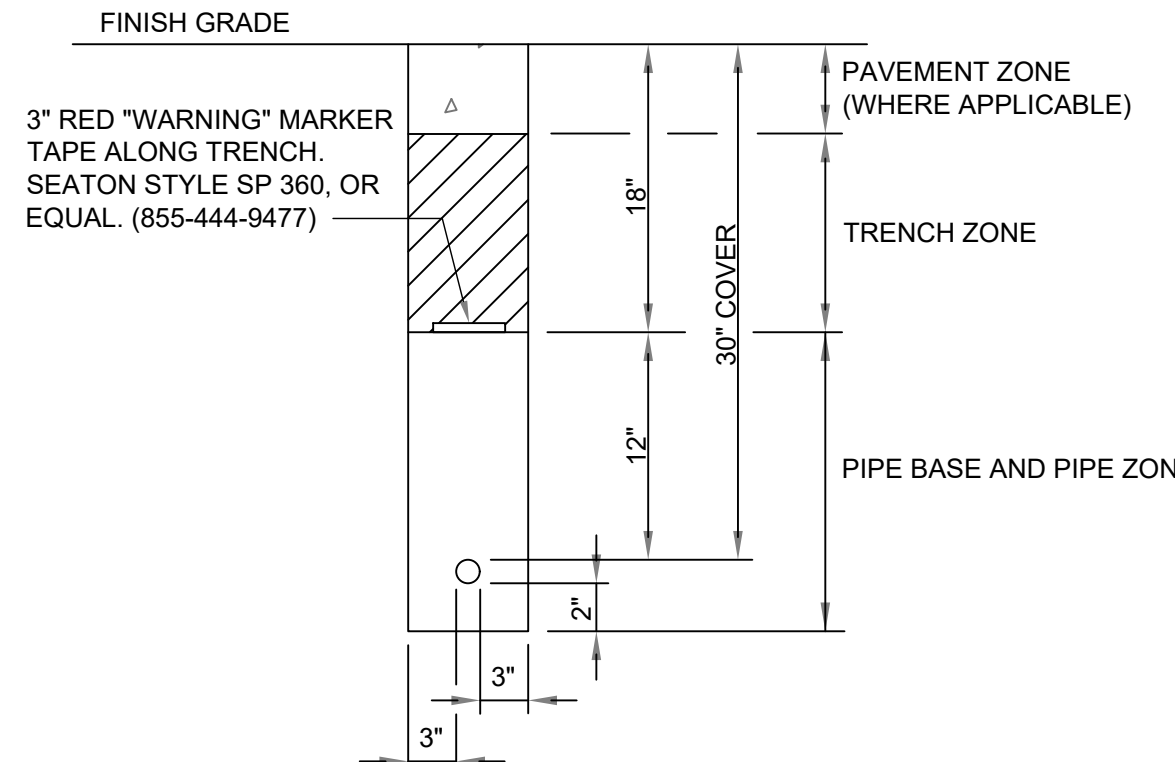
3/8" x 4" TYPE 316 STAINLESS STEEL BOLTS

2' x 3' CONCRETE BASE

This elevation view shows the side profile of the concrete base and the conduit assembly. The concrete base is a thick, textured rectangular block. The conduit is shown as a horizontal line with a 90-degree elbow. The elbow is secured to the concrete base with two stainless steel bolts. The conduit continues horizontally to the left, where it is labeled 'CONDUIT PER PLANS'. The base is labeled '2' x 3' CONCRETE BASE'.

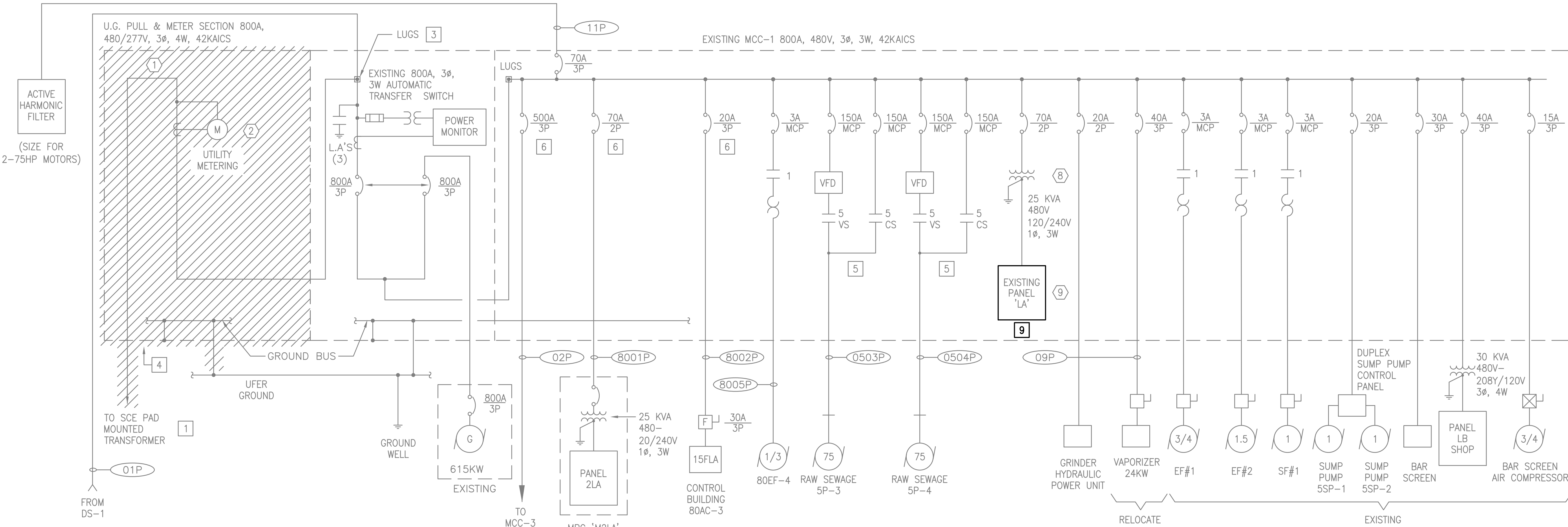


Scale: NO

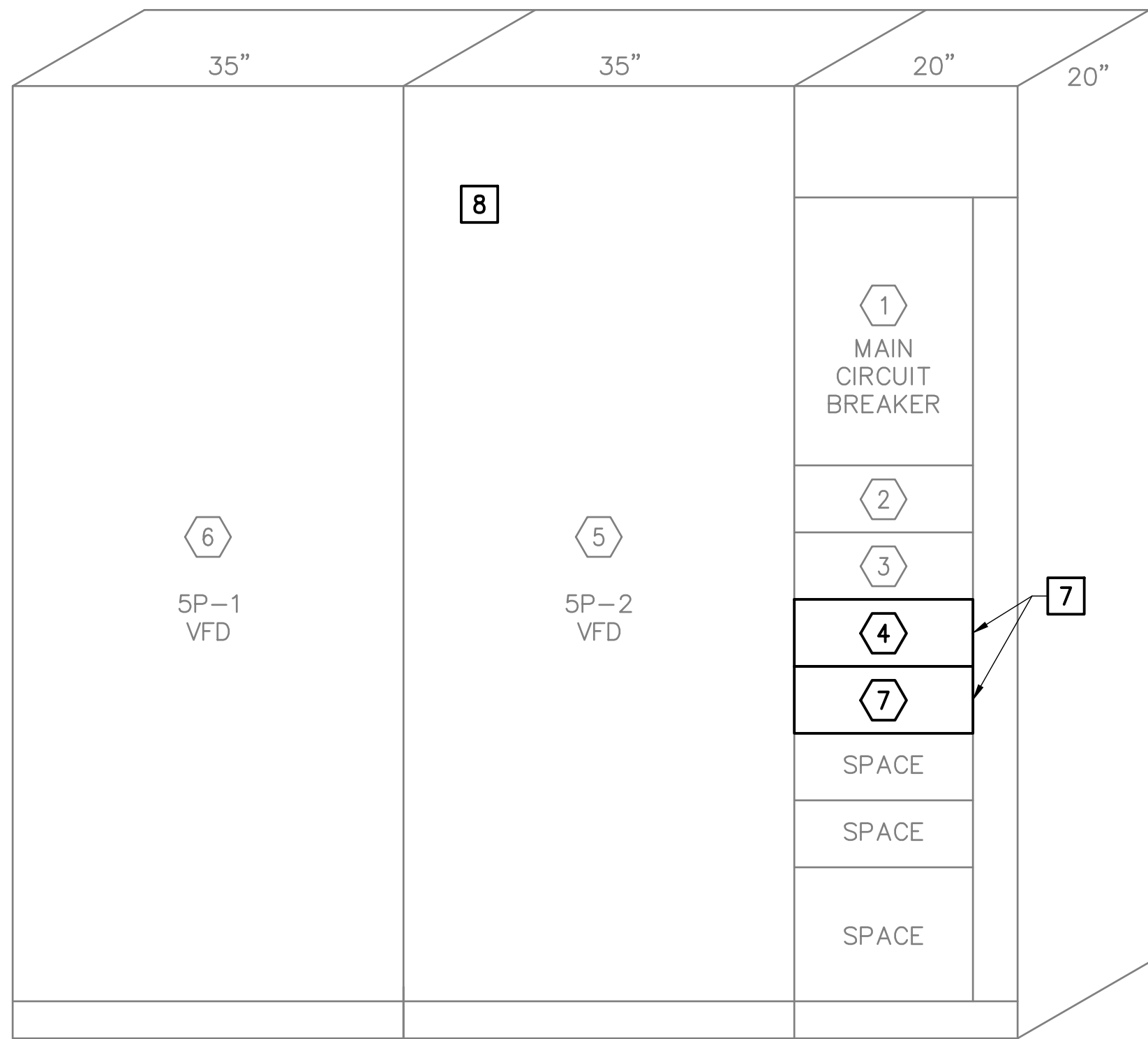


Scale: NOM

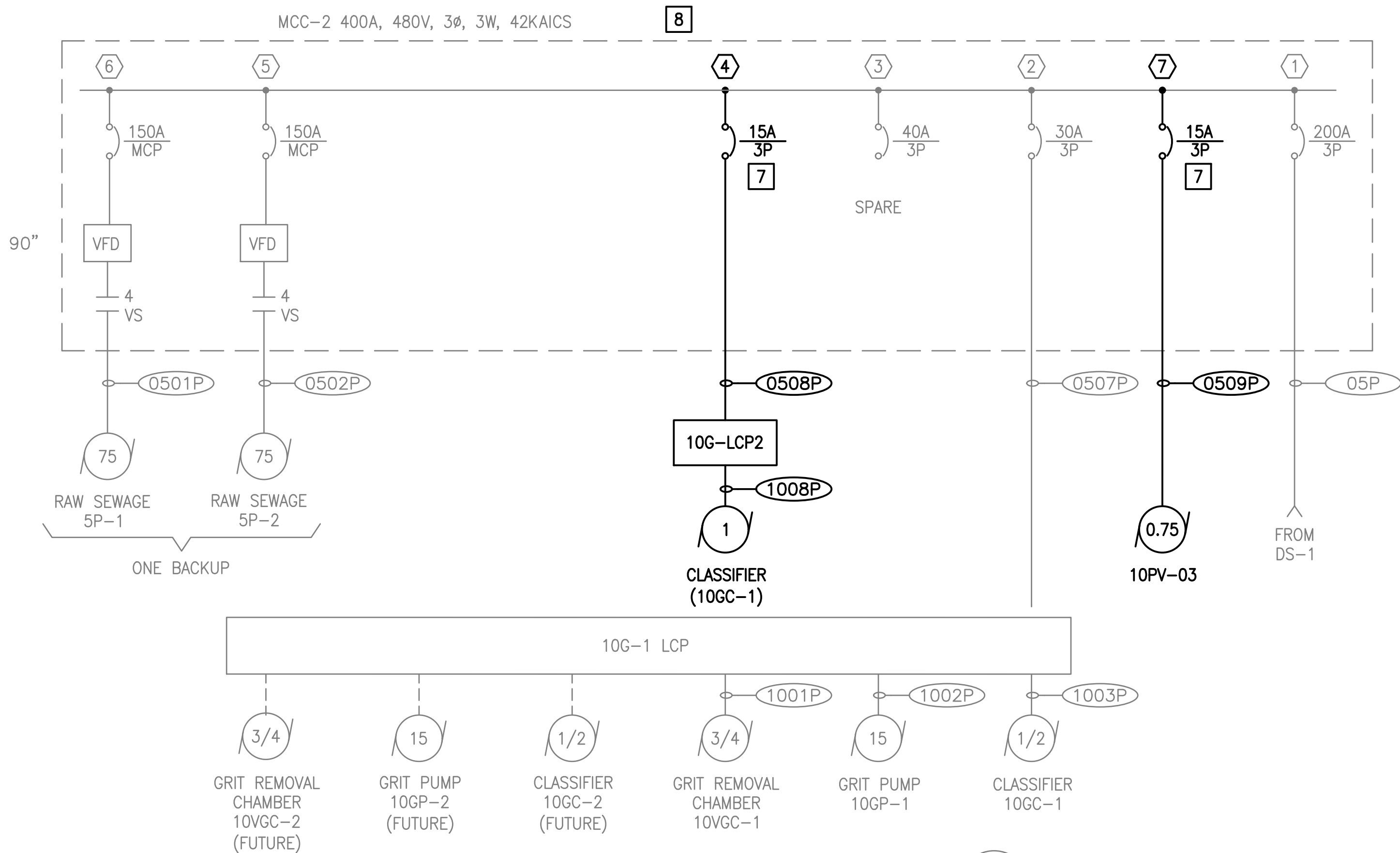
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MCC-1 SINGLE LINE DIAGRAM



MCC-2 ELEVATION



MCC-2 SINGLE LINE DIAGRAM

NOTES:

- EXISTING SCE TRANSFORMER TO REMAIN.
- PROVIDE TEMPORARY POWER TO MCC-1 DURING THE CUT OVER TO DS-1.
- TAP EXISTING BUS IN THE AUTOMATIC TRANSFER SWITCH SECTION FOR TERMINATION OF CABLE LUGS. CONNECT ON THE LINE SIDE OF THE EXISTING POWER MONITOR. PROVIDE COVER OVER OPENING BETWEEN THE EXISTING SERVICE METER SECTION AND THE AUTOMATIC TRANSFER SWITCH. PAINT TO MATCH EXISTING.
- DEMOLISH EXISTING SERVICE METER SECTION AFTER MCC-1 HAS BEEN FED FROM DS-1. CUT SERVICE ENTRANCE CONDUITS FLUSH WITH THE TOP OF THE PAD. EXTEND EXISTING GROUND TO AUTOMATIC TRANSFER SWITCH.
- CHANGE NAMEPLATES FOR 5P-1 AND 5P-2 MCC SECTIONS TO READ 5P-3 AND 5P-4 RESPECTIVELY.
- LOCATE CIRCUIT BREAKERS IN MOTOR CONTROL CENTER SECTION ADJACENT TO THE AUTOMATIC TRANSFER SWITCH, BELOW THE MAIN LUG COMPARTMENT. IF SPACE IS NOT ADEQUATE, SOME OF THESE NEW ITEMS MAY BE LOCATED IN OTHER SPARE SPACE AVAILABLE IN THE MOTOR CONTROL CENTER.
- PROVIDE NEW MCC BUCKET, CIRCUIT BREAKER TO MATCH EXISTING MANUFACTURER, KAIC RATING AND MODEL. PROVIDE NEW EQUIPMENT LABEL.
- COORDINATE MCC AND PANELS OUTAGE WITH RCSD PROJECT MANAGER. PROVIDE OUTAGE SCHEDULE FOR RCSD PROJECT MANAGER REVIEW AND APPROVAL.
- REFER TO DRAWINGS E05 FOR PANELBOARD SCHEDULE.

CLIENT

RCSD
Rosamond Community Services District

ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

APPROVED BY
RCSD BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS _____ DATE _____

RECOMMENDED FOR APPROVAL

GENERAL MANAGER _____ DATE _____

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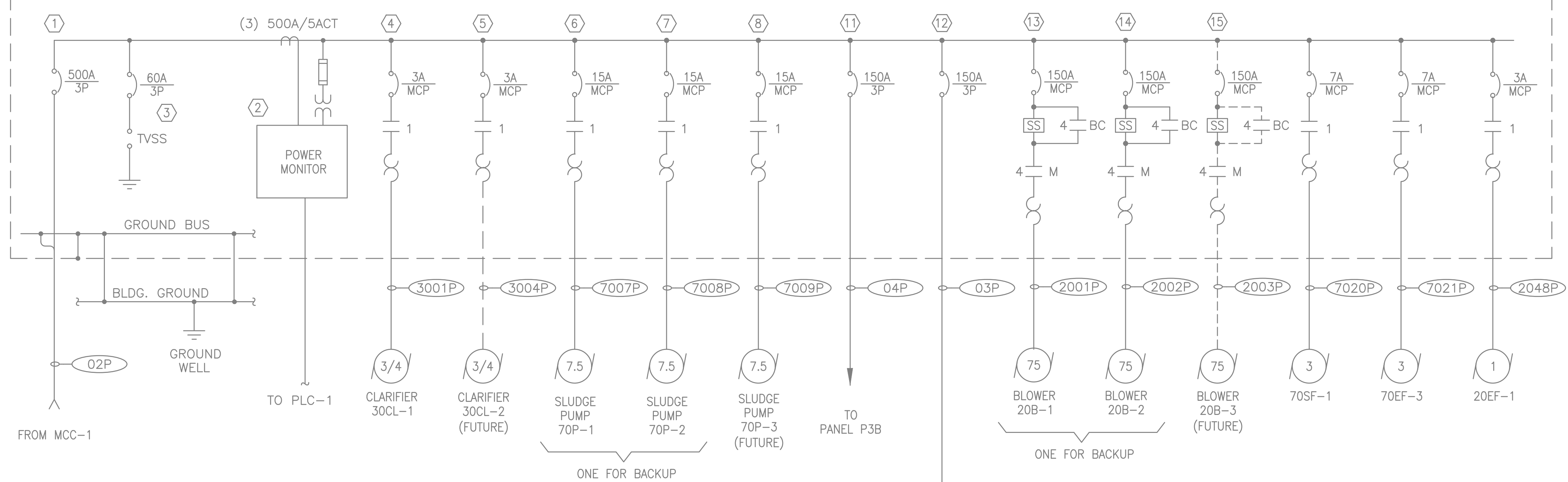
REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
ANYONY CORTEZ
6/30/28
E16161
ELECTRICAL
STATE OF CALIFORNIA

DATE	REV	DESCRIPTION
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DATE	DESIGNED BY	DRAWN BY	CHECKED BY	JOB NO.	SHEET NO.
5/18/2026	NG	DG	AC	60730277	E03

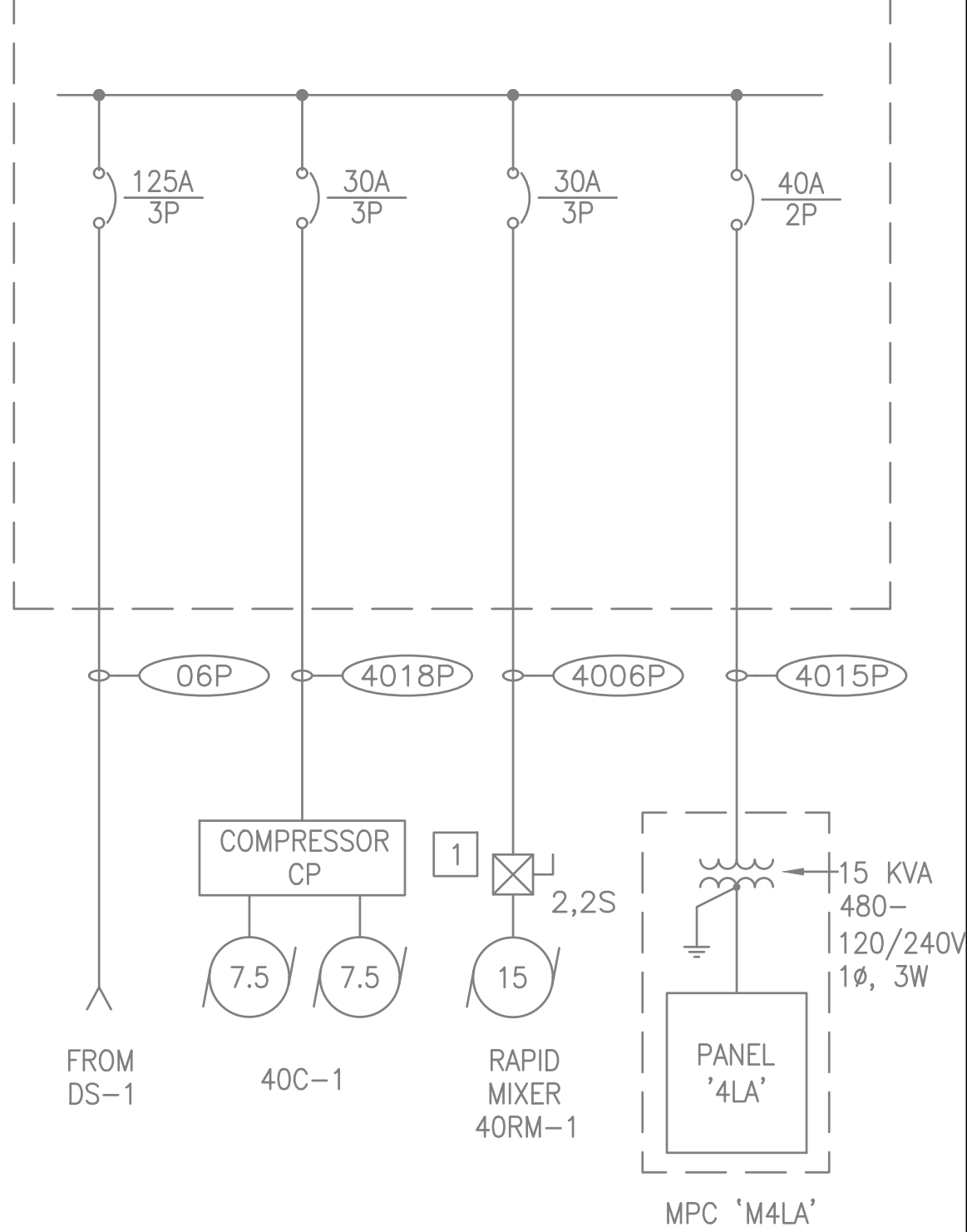
PAGE 22 OF 30
DRAWING FILE 60730277-E03.dwg
SINGLE LINE DIAGRAM (1 OF 2)

MCC-3, 600A, 480V, 3Ø, 3W, 42KAICS



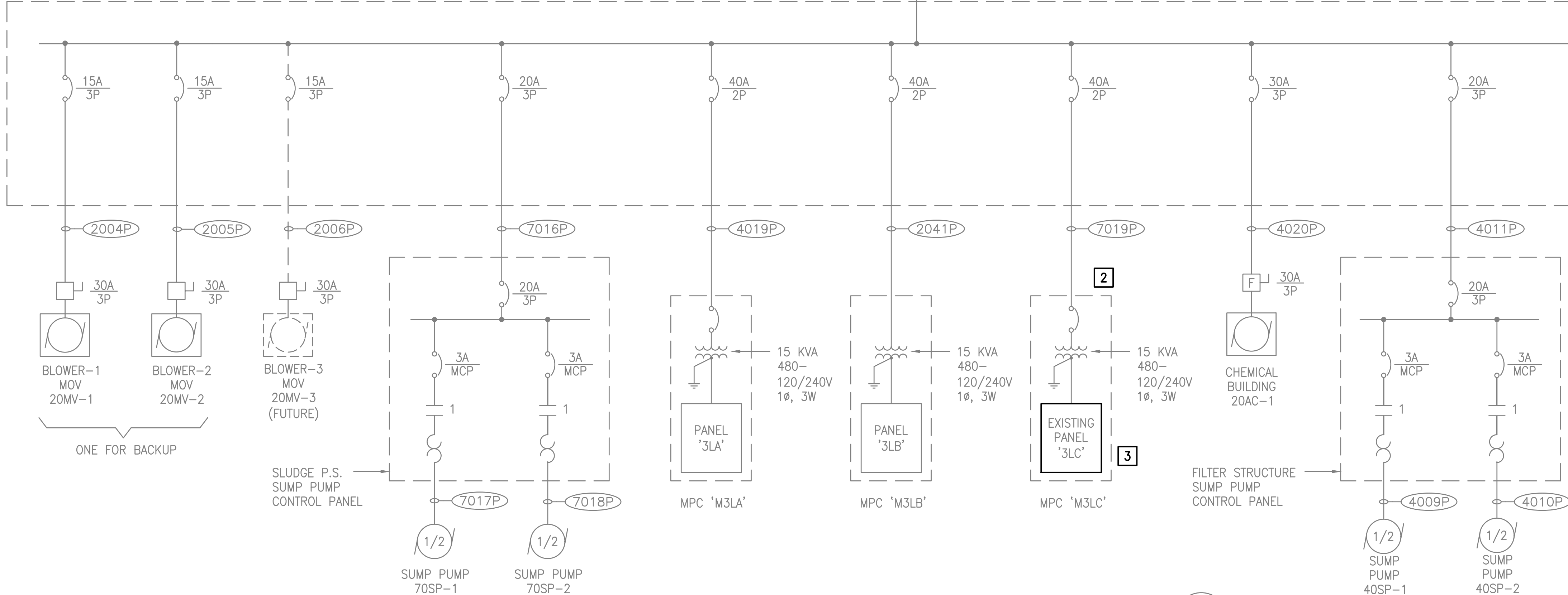
MCC-3 SINGLE LINE DIAGRAM

PANEL P4, 225A, 480V, 3Ø, 3W, 42KAICS



PANEL P4 SINGLE LINE DIAGRAM

PANEL P3A, 225A, 480V, 3Ø, 3W, 42KAICS



PANEL P3A SINGLE LINE DIAGRAM

NOTES:

1 WITH CURRENT TRANSDUCER

2 COORDINATE MCC AND PANELS OUTAGE WITH RCSD PROJECT MANAGER. PROVIDE OUTAGE SCHEDULE FOR RCSD PROJECT MANAGER REVIEW AND APPROVAL.

3 REFER TO DRAWINGS E05 FOR PANELBOARD SCHEDULE.

CLIENT



ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

APPROVED BY
RCSD BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS DATE

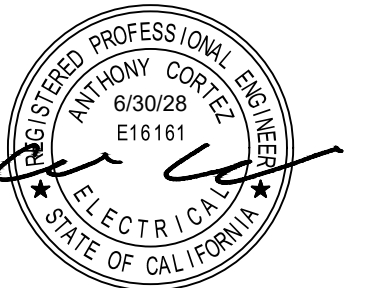
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GENERAL MANAGER DATE

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6-15-26	A	ISSUED FOR 90% REVIEW
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DATE 5/18/2026	SHEET NO. E04
DESIGNED BY NG	
DRAWN BY DG	
CHECKED BY AC	
JOB NO. 60730277	DRAWING FILE 60730277-E04.dwg
SINGLE LINE DIAGRAM (2 OF 2)	

z: \bakersfield-usb\Legacy\Work\RO4\60730277 - wwtp grit removal system improvements\900 cad-gis\910 CAD\O2-SHEETS\Electrical\60730277-E05.dwg

NOTE:

* STANDBY ONLY, NOT INCLUDED IN THE LOAD CALCULATION.

A diagram of a single neuron. A square box on the left contains the number '1'. A horizontal line connects this box to a small circle (the cell body) on the right. From the cell body, two lines branch out to the right, representing the axon. The top line ends in a small circle, and the bottom line ends in a small triangle.

1 NEW 20A SINGLE POLE CIRCUIT BREAKERS TO MATCH EXISTING MANUFACTURER, KAIC RATING.

JOB NO. 60730277	DRAWING FILE 60730277-E05.dwg
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PANEL SCHEDULES

	FIRST LETTER (1)		SUCCEEDING LETTERS (15)		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS (2)(3)(4)		ALARM		
B	BURNER, COMBUSTION (2)		USER'S CHOICE (5)	USER'S CHOICE (5)	USER'S CHOICE (5)
C	USER'S CHOICE (3a)(5)			CONTROL (23a)(23e)	CLOSED (27b)
D	DENSITY	DIFFERENTIAL	DAMPER		
E	VOLTAGE (2)		SENSOR (PRIMARY ELEMENT)		
F	FLOW, FLOW RATE (2)	RATIO (FRACTION) (2b)			
G	USER'S CHOICE		GLASS, VIEWING DEVICE (16)		
H	HAND (2)				HIGH (27A)(28A)(29)
I	CURRENT (ELECTRICAL)(2)		INDICATE (17)		
J	POWER (2)		SCAN (18)		
K	TIME, TIME SCHEDULE (2)	TIME RATE OF CHANGE (12c)(13)		CONTROL STATION (24)	
L	LEVEL (2)		LIGHT (19)		LOW (27b)(28)(29)
M	MOISTURE	MOMENTARY			MIDDLE, INTERMEDIATE
N	USER'S CHOICE (5)		USER'S CHOICE (5)	USER'S CHOICE (5)	USER'S CHOICE (5)
O	USER'S CHOICE (5)		ORIFICE, RESTRICTION		OPEN (27a)
P	PRESSURE, VACUUM (2)		POINT (TEST) CONNECTION		
Q	QUANTITY (2)	INTEGRATE, TOTALIZE	INTEGRATE, TOTALIZE		
R	RADIATION (2)		RECORD (20)		RUN
S	SPEED, FREQUENCY (2)	SAFETY (14)		SWITCH (23b)	STOP
T	TEMPERATURE (2)			TRANSMIT	
U	MULTI VARIABLE (2)(6)		MULTIFUNCTION (21)	MULTIFUNCTION (21)	MULTIFUNCTION (21)
V	VIBRATION, MECHANICAL ANALYSIS (2)(4)(7)			VALVE, DAMPER, OR LOUVER (23c)(23e)	
W	WEIGHT, FORCE (2)		WELL, PROBE		
X	UNCLASSIFIED (8)	X AXIS (11c)	ACCESSORY DEVICES (22) UNCLASSIFIED (8)	UNCLASSIFIED (8)	UNCLASSIFIED (8)
Y	EVENT, STATE, PRESENCE (2)(9)	Y AXIS (11c)		RELAY, COMPUTE, CONVERT	
Z	POSITION, DIMENSION (2)	Z AXIS (11c), SAFETY INSTRUMENTED SYSTEM (30)		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

NOTE: NUMBERS IN PARANTHESES REFER TO EXPLANATORY NOTES IN ANSI/ISA-5.1-2009, SECTION 4.2

A: ISA IDENTIFICATION LETTERS (SEE TABLE OR REFER TO ANSI/ISA-5.1-2009; TABLE 4.1)

B: LOOP NUMBER, MINIMUM OF FOUR CHARACTERS (####)

C: USER DESCRIPTOR

D: MEASUREMENT (REFER TO ANSI/ISA-5.1-2009; TABLE 5.2.2)

E & F: PROCESS CONTROL DESCRIPTORS

J-4 FUNCTION BLOCK DESIGNATORS

SUMMING DIFFERENCE INTEGRAL DERIVATIVE MULTIPLYING DIVIDING CONVERT:	ROOT EXTRACTION SQUARE ROOT EXPONENTIAL HIGH SELECTING LOW SELECTING BIAS NONLINEAR OR UNSPECIFIED FUNCTION
--	---

* E - VOLTAGE
I - CURRENT
P - PNEUMATIC
A - ANALOG
B - BINARY

H - HYDRAULIC
O - ELECTROMAGNETIC, SONIC
R - RESISTANCE (ELECT)
D - DIGITAL

J-6 HANDSWITCH DESIGNATORS

HOA	HAND-OFF-AUTO	LR	LOCAL-REMOTE
HOR	HAND-OFF-REMOTE	OC	OPEN-CLOSE
F-R	FORWARD-REVERSE	OCA	OPEN-CLOSE-AUTO
1-0	ON-OFF	A/M	AUTO-MANUAL

INSTRUMENT SERVICES

AS	>	INSTRUMENT AIR SUPPLY (NOTE 4)
ES	>	120 VAC ELECTRICAL SERVICE (DIFFERENT VOLTAGES ARE SPECIFICALLY NOTED)

PLC INPUT/OUTPUT

 DISCRETE INPUT	 ANALOG INPUT
 DISCRETE OUTPUT	 ANALOG OUTPUT

MISCELLANEOUS

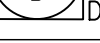
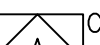
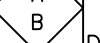
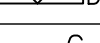
EQUIPMENT TO/FROM IDENTIFIER

REFERENCE SHEET/GRID NUMBER

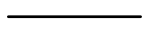
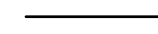
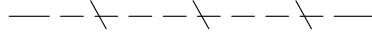
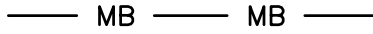
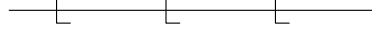
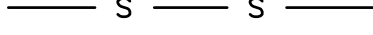
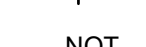
SYSTEM DESCRIPTOR

INTERLOCK. NUMBER IS THE CROSS REFERENCE TO A SPECIFIC ELEMENTARY DIAGRAM OR TO A SPECIFIC CONTROL STRATEGY DESCRIBED IN THE SPECS

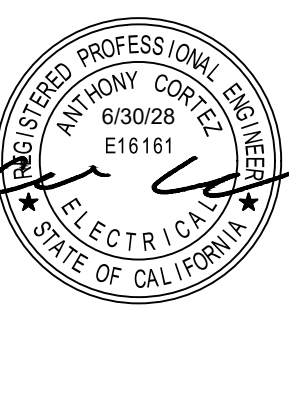
PILOT LIGHT

INSTRUMENTATION DEVICE & FUNCTION SYMBOLS					
	1 LOCATED IN FIELD VISIBLE AT LOCATION OPERATOR ACCESSIBLE	2 LOCATED ON MAIN PANEL VISIBLE ON PANEL FRONT OPERATOR ACCESSIBLE	3 LOCATED IN MAIN PANEL CABINET NOT VISIBLE ON PANEL FRONT NOT OPERATOR ACCESSIBLE	4 LOCATED ON SECONDARY PANEL VISIBLE ON PANEL FRONT OPERATOR ACCESSIBLE	5 LOCATED IN SECONDARY PANEL CABINET NOT VISIBLE ON PANEL FRONT NOT OPERATOR ACCESSIBLE
A	SHARED DISPLAY PRIMARY CHOICE 				
B	SHARED DISPLAY ALTERNATE CHOICE 				
C	COMPUTER SYSTEMS 				
D	DISCRETE 				

INSTRUMENT LINE SYMBOLS

INSTRUMENT OR CONNECTION TO PROCESS		FIBER DEVICE LEVEL RING	 F10 
PNEUMATIC SIGNAL		COPPER DEVICE LEVEL RING	 C10 
ELECTRIC ANALOG SIGNAL		HART	
ELECTRIC DISCRETE SIGNAL		MODBUS	
HYDRAULIC SIGNAL		SERIAL	
CAPILLARY TUBE		CONTROL NET	
ELECTROMAGNETIC OR SONIC SIGNAL (GUIDED)		ETHERNET	
ELECTROMAGNETIC OR SONIC SIGNAL (UN-GUIDED)		FIBER OPTIC ETHERNET	
INTERNAL SYSTEM LINK (SOFTWARE OR DATA LINK)		WIRELESS ETHERNET	
RADIO SIGNAL (DATA)		DEVICENET	
RADIO SIGNAL (W/O)		PROFIBUS DP	
HARDWIRE		PROFIBUS PA	
ELECTRIC SIGNAL LINE ARROW			
HARDWIRED INTERLOCK			
LINE BREAK OR GAP			
ELECTRICAL			
	CONNECTED		
			
	NOT CONNECTED		

- NOTES:
1. THIS IS A GENERALIZED LEGEND SHEET.
 2. SEE ALSO ISA S5.1, S5.3 AND S7.3.
 3. INSTRUMENTS MARKED WITH AN ASTERISK ARE FURNISHED WITH THE EQUIPMENT.
 4. REFER TO ISA RP7.7 FOR INSTRUMENT AIR QUALITY STANDARDS.
 5. REFER TO DIVISION 17, ABBREVIATION APPENDIX FOR SPECIFIC NOMENCLATURE.

<div style="text-align: center;">  Rosamond Community Services District ROSAMOND COMMUNITY SERVICES DISTRICT (RCS D) 3179 35TH STREET WEST ROSAMOND, CA 93560 </div>			
PROJECT <h1 style="margin: 0;">WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS</h1>			
APPROVED BY RCS D BOARD OF DIRECTORS			
PRESIDENT, BOARD OF DIRECTORS			DATE
RECOMMENDED FOR APPROVAL			
GENERAL MANAGER			DATE
 AECOM AECOM 5001 E. Commercenter Dr. Suite 100 Bakersfield, CA 93309 661.283.2323 tel www.aecom.com			
CONSULTANT STAMP <div style="text-align: center;">  </div>			
DATE	REV	DESCRIPTION	
6-15-26	A	ISSUED FOR 90% REVIEW	
9-1-26	B	ISSUED FOR BID	
DATE 5/18/2026		SHEET NO. <h1 style="margin: 0;">N01</h1>	
DESIGNED BY LA		<div style="font-size: 4em; font-weight: bold; margin: 0;">N01</div>	
DRAWN BY DG			
CHECKED BY AC			
JOB NO. 60730277		DRAWING FILE 60730277-N01.dwg	
PROCESS LEGEND			

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VALVES

GATE VALVE

GLOBE VALVE

PLUG VALVE

PLUG VALVE CLOSED

CHECK VALVE

DUCKBILL CHECK VALVE

BALL CHECK VALVE

PINCH VALVE

DIAPHRAGM VALVE

BUTTERFLY VALVE

BALL VALVE

BALL VALVE CLOSED

NEEDLE VALVE

PLUG (COCK)

PRESSURE REDUCING REGULATING VALVE,
SELF-CONTAINED

BACK PRESSURE REGULATING VALVE,
SELF-CONTAINED

PRESSURE REDUCING REGULATOR WITH
EXTERNAL PRESSURE TAP

3-WAY VALVE

4-WAY VALVE

ANGLE VALVE

PRESSURE RELIEF VALVE

FOOT VALVE

* FC = FAIL CLOSED LC = LOCKED CLOSED
FO = FAIL OPEN LO = LOCKED OPEN

CLOSED DURING NORMAL OPERATION

SHADING INDICATES PORT TO BE CLOSED DURING
NORMAL OPERATION. DOT INDICATES PORT TO BE
CLOSED DURING ALTERNATE OPERATION.

KNIFE GATE VALVE

VALVE OPERATORS

DIAPHRAGM

DIAPHRAGM
PRESSURE BALANCED

DIAPHRAGM

MOTOR

CYLINDER OPERATOR

SOLENOID

SOLENOID VALVE

FLOW PRIMARY ELEMENTS

ORIFICE PLATE

SINGLE PORT PITOT TUBE OR
PITOT-VENTURI TUBE

VENTURI TUBE

AVERAGING PITOT TUBE

FLUME

WEIR

TURBINE OR PROPELLER-TYPE
PRIMARY ELEMENT

THERMAL MASS FLOWMETER

POSITIVE DISPLACEMENT TYPE
FLOW TOTALIZING INDICATOR

VORTEX SENSOR

TARGET TYPE SENSOR

FLOW NOZZLE

MAGNETIC FLOWMETER

SONIC FLOWMETER

ROTAMETER

ROTAMETER WITH INTEGRAL VALVE

NEW LINES EXISTING

MAIN PROCESS

SECONDARY PROCESS

INSTRUMENT CONNECTION

EQUIPMENT ENCLOSURE

EQUIP
ID EQUIPMENT
TO/FROM IDENTIFIER
SH (#) REFERENCE SHEET/GRID NUMBER
SYSTEM SYSTEM DESCRIPTOR

24" BW
PIPE SYSTEM
PIPE SIZE IN INCHES

TOP
MIDDLE
BOTTOM
AAABBBCCCCDD
EQUIPMENT TAG
(SEE EQUIPMENT ASSET
TAGGING STANDARD)
THREE DIGIT ITEM NUMBER
THREE DIGIT EQUIPMENT CODE
THREE DIGIT SYSTEM SERVICE CODE
THREE DIGIT PLANT ZONE NUMBER

MECHANICAL

CONNECTED

NOT
CONNECTED

MISCELLANEOUS

FLANGE

UNION

Y STRAINER

INLET FILTER

FLOW STRAIGHTENING VANE

TEE

SCREWED CAP

WELDED CAP

BLIND FLANGE

REDUCER

HOSE BIBB CONNECTION

CHEMICAL PIPING FLEXIBLE CONNECTION/
FLEXIBLE HOSE

FLEXIBLE TANK CONNECTION

BRAIDED METAL HOSE

METAL BELLOWS

EXPANSION JOINT

FLEXIBLE COUPLING

FLANGED COUPLING ADAPTER

SLIDE GATE

DRAIN

SPRAY NOZZLE

DIAPHRAGM SEAL

ANNULAR SEAL

RUPTURE DISK, PRESSURE

RUPTURE DISK, VACUUM

PURGE

THERMOMETER WELL

CALIBRATION CYLINDER

PULSATION DAMPER

AIR RELIEF VALVE

AIR RELEASE

LEVEL PROBE

CHEMICAL DIFFUSER

INJECTION MIXER

STATIC MIXER

EDUCTOR/INJECTOR

* AV - AIR VALVE

F - FILTER

T - TRAP

FH - FIRE HYDRANT

WATER LINE

GRAVITY FLOW

DIFFUSER

MISCELLANEOUS

VENT

FLAME ARRESTOR

BUBBLER

HEAT TRACE

SILENCER

SNUBBER

SONIC SENSOR

DISCONNECT

55 GAL DRUM

* DENOTES SUPPLIED BY MFR

STEEL TANK

PLASTIC TANK

FLAT TOP TANK

OPEN TOP TANK

PRESSURE VESSLES
(VERTICAL AND HORIZONTAL)

HORIZONTAL HEAT EXCHANGER

VERTICAL HEAT EXCHANGER

SPLITTER

EQUIPMENT

MIXER

VERTICAL TURBINE PUMP

SUBMERSIBLE PUMP

PUMP BLOWER

PUMP

METERING PUMP

ROTARY PUMP

PERISTALTIC PUMP

TURBINE PUMP

HORIZONTAL SCREW CONVEYOR

INCLINED SCREW CONVEYOR

BELT CONVEYOR

VERTICAL TURBINE PUMP HEAD

VERTICAL TURBINE PUMP T-HEAD

VERTICAL TURBINE PUMP CAN

VERTICAL TURBINE PUMP INTAKE

NOTES:

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TYPICAL CONNECTION

IN-LINE DEVICE

DIRECT CONNECTION TO PROCESS

FILLED SYSTEM, DIAPHRAGM
SEAL CONNECTION

EQUIPMENT CONTINUED

SUBMERSIBLE PUMP

DU DRIVE UNIT

GATE - NORMALLY CLOSED

GATE - NORMALLY OPEN

DUMPSTER

MANHOLE

ULTRA - SONIC LEVEL SENSOR

CLIENT

Rosamond Community Services District

ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

APPROVED BY
RCSD BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS DATE

RECOMMENDED FOR APPROVAL

GENERAL MANAGER DATE

AECOM
5001 E. Commercenter Dr. Suite 100
Bakersfield, CA 93309
661.283.2323 tel
www.aecom.com

CONSULTANT STAMP

DATE	REV	DESCRIPTION
6-15-26	A	ISSUED FOR 90% REVIEW
9-1-26	B	ISSUED FOR BID

DATE
5/18/2026

DESIGNED BY
IA

DRAWN BY
DG

CHECKED BY
AC

JOB NO.
60730277

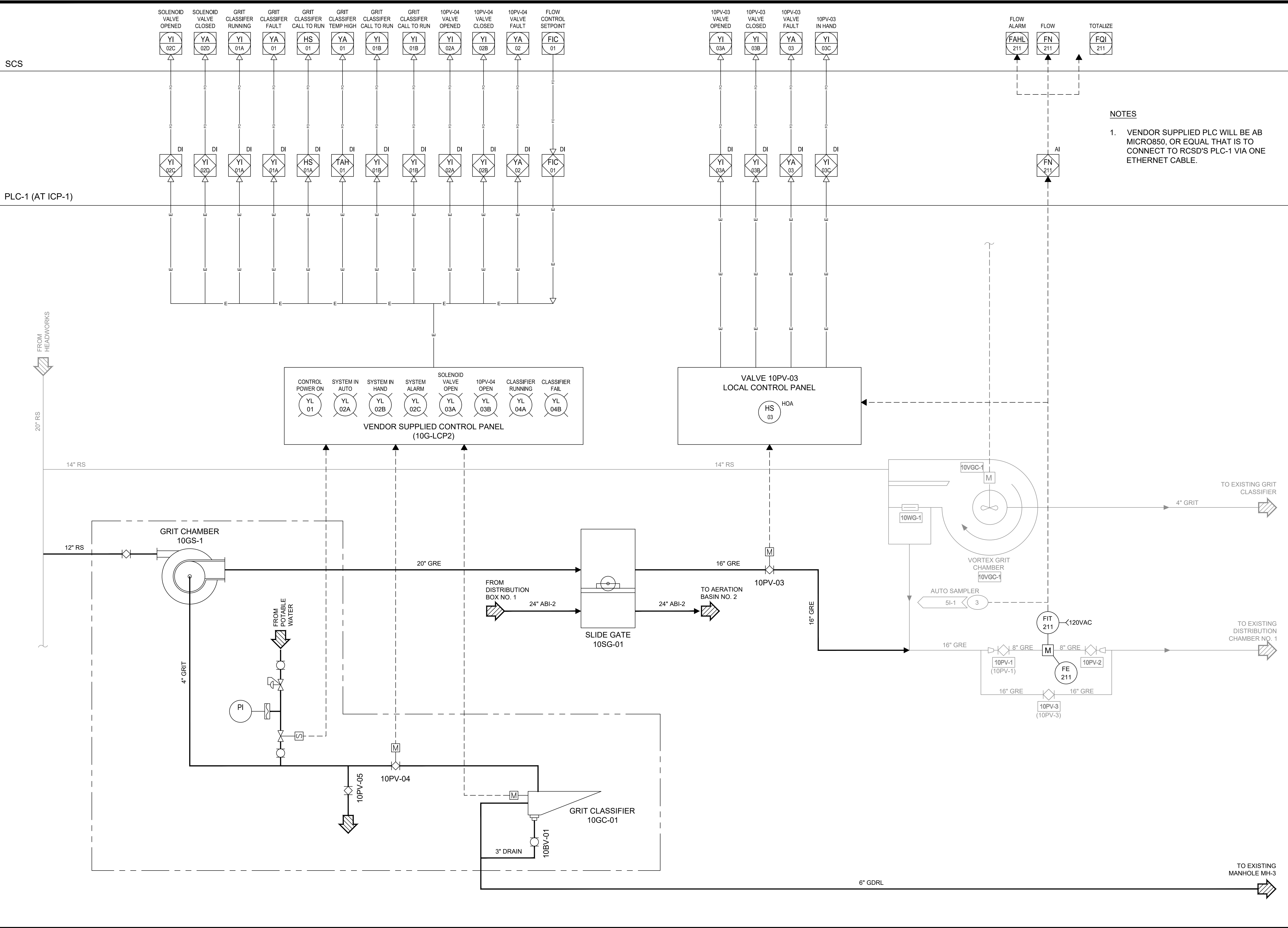
SHEET NO.
N02

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INSTRUMENTATION LEGEND

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- NOTES
- VENDOR SUPPLIED PLC WILL BE AB MICRO850, OR EQUAL THAT IS TO CONNECT TO RCSD'S PLC-1 VIA ONE ETHERNET CABLE.



Rosamond Community Services District

ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)
3179 35TH STREET WEST
ROSAMOND, CA 93560

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GENERAL MANAGER

DATE

AECOM

AECOM
5001 E. Commercecenter Dr. Suite 100
Bakersfield, CA 93309
661.283.2323 tel
www.aecom.com

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER
ANYONY CORTEZ
6/30/28
E16161
ELECTRICAL
STATE OF CALIFORNIA

DATE	REV	DESCRIPTION
6-15-26	A	ISSUED FOR 90% REVIEW
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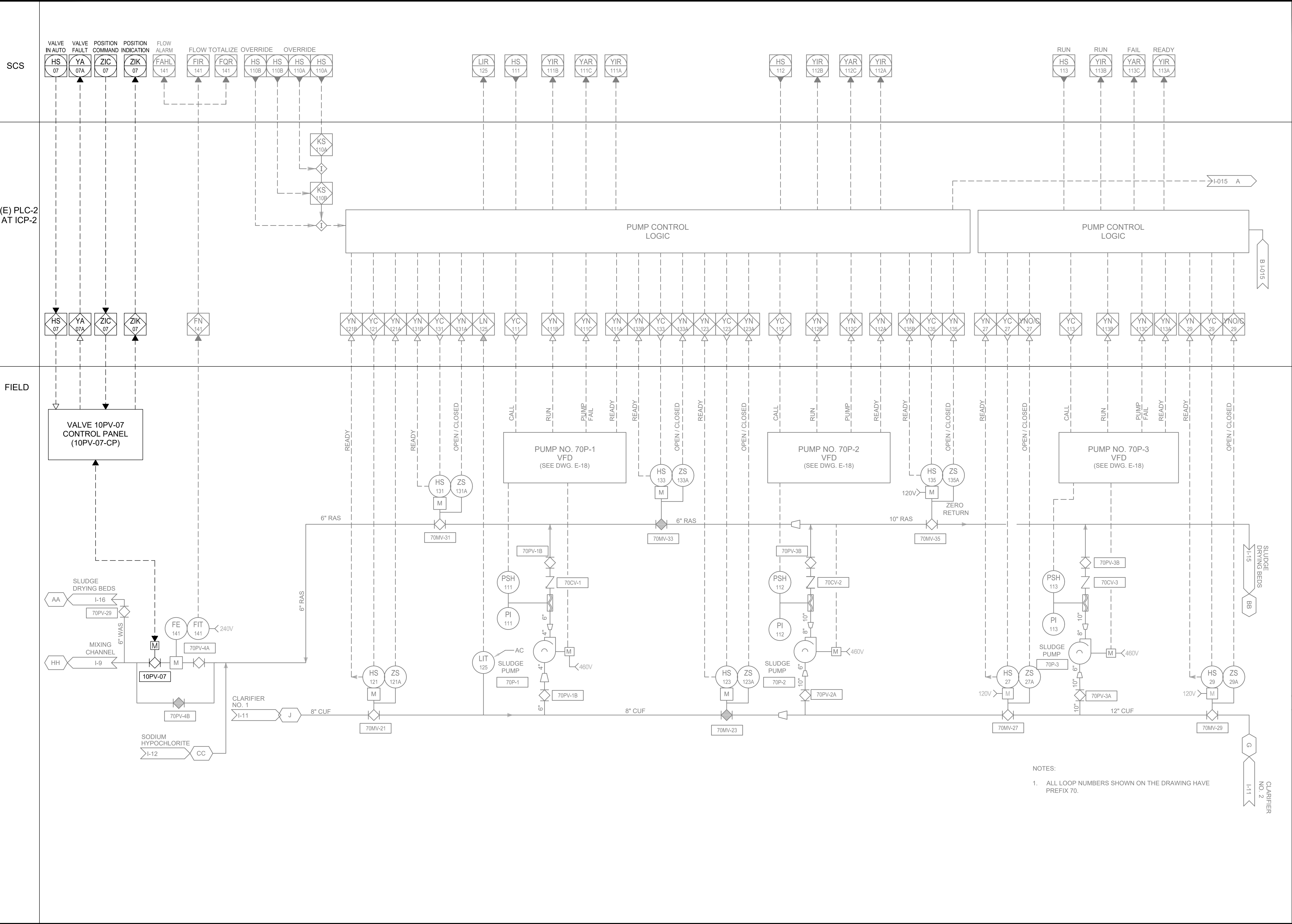
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GRIT CHAMBER P&ID

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ROSAMOND COMMUNITY SERVICES DISTRICT (RCS D)
3179 35TH STREET WEST
ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

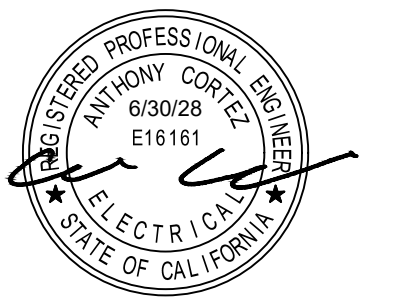
APPROVED BY
RCS D BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS _____ DATE _____

RECOMMENDED FOR APPROVAL

GENERAL MANAGER _____ DATE _____

CONSULTANT STAMP



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IA

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DG

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AC

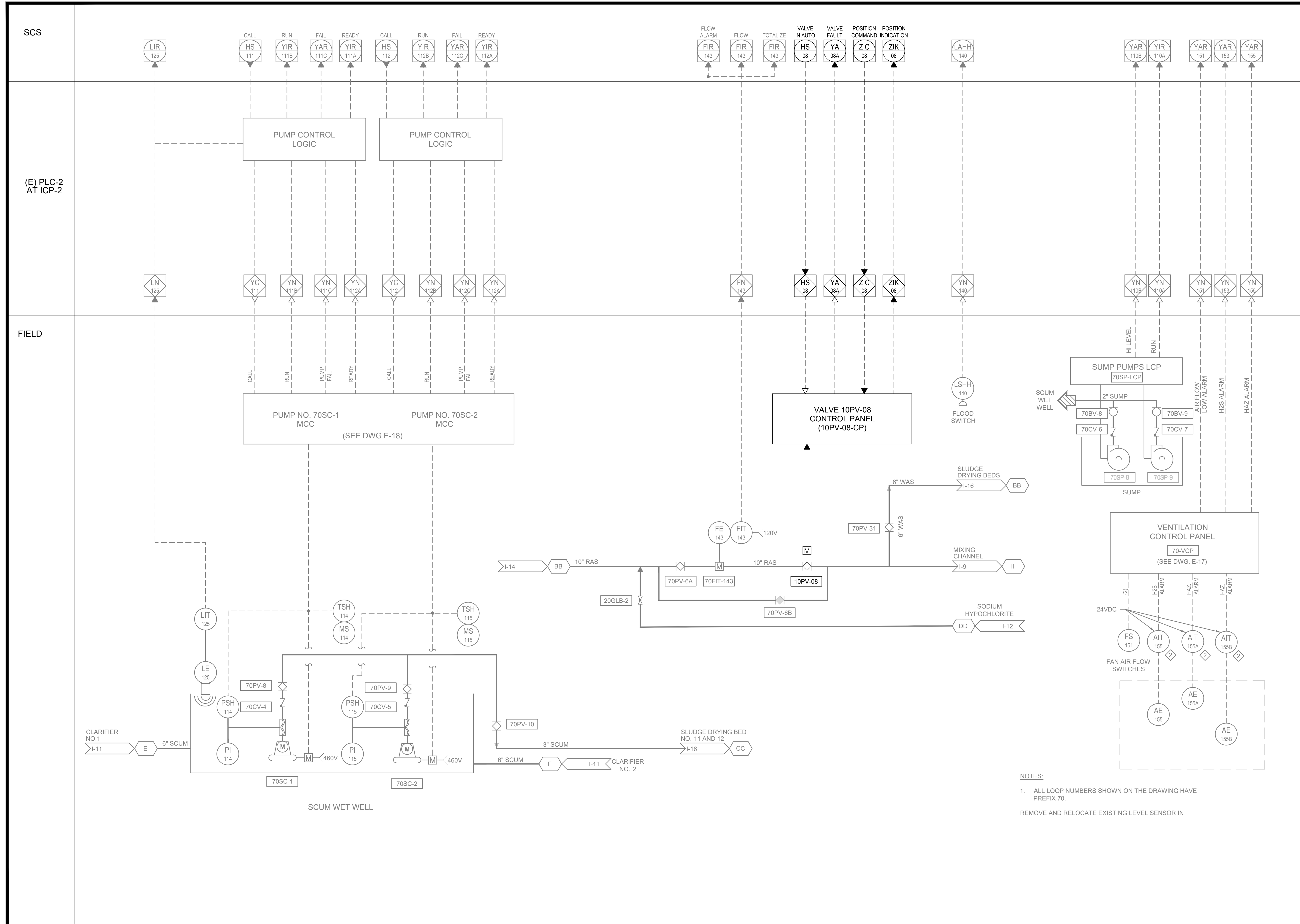
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60730277

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N04

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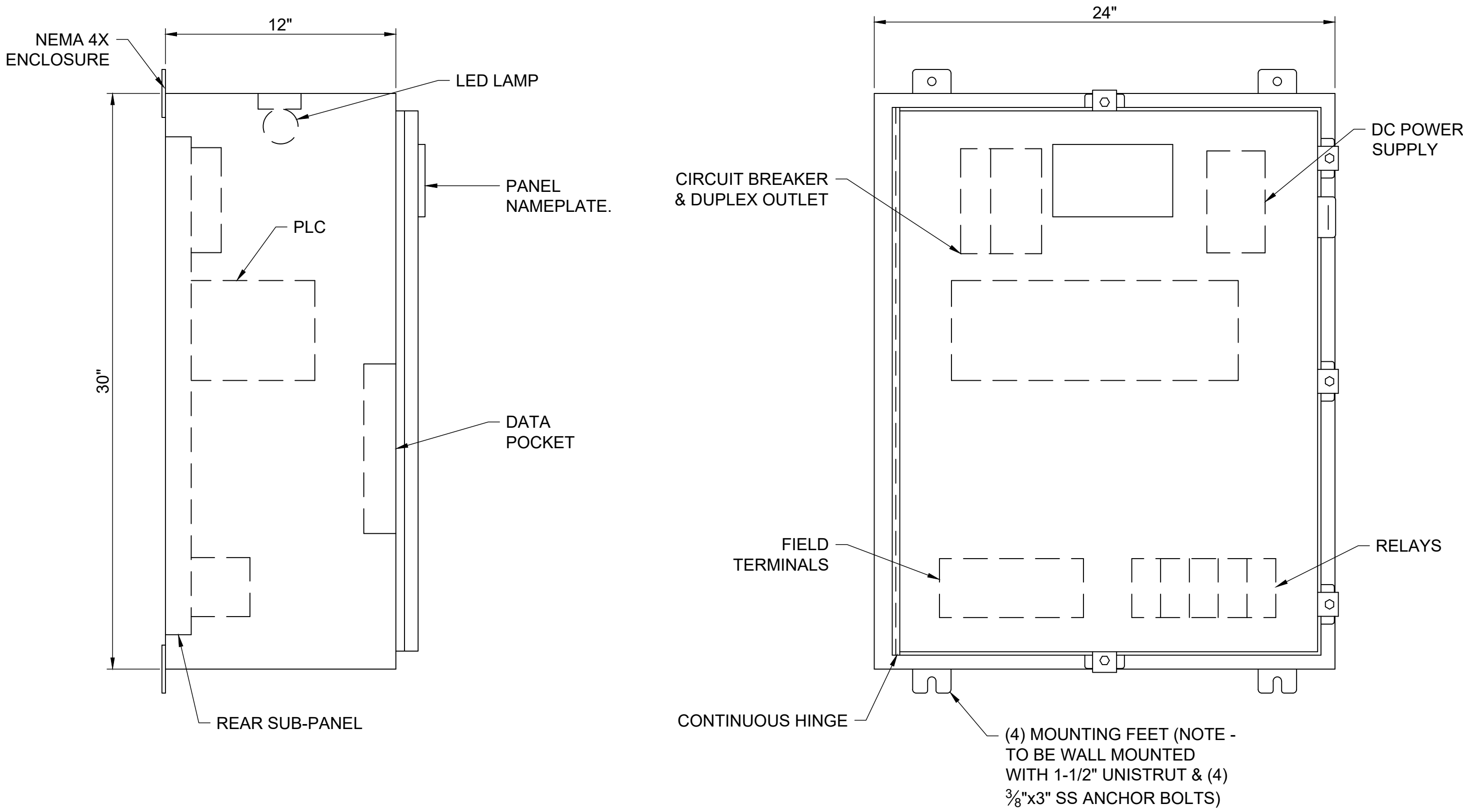
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SLUDGE PUMP STATION - 1



CLIENT

**ROSAMOND COMMUNITY
SERVICES DISTRICT (RCSD)
3179 35TH STREET WEST
ROSAMOND, CA 93560**



1 VALVE 10PV-03 LOCAL CONTROL PANEL LAYOUT
SCALE: NTS

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CLIENT



Rosamond Community Services District

ROSAMOND COMMUNITY SERVICES DISTRICT (RCSD)

3179 35TH STREET WEST

ROSAMOND, CA 93560

PROJECT

WWTP GRIT REMOVAL SYSTEM IMPROVEMENTS

APPROVED BY

RCSD BOARD OF DIRECTORS

PRESIDENT, BOARD OF DIRECTORS

DATE

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GENERAL MANAGER

DATE



AECOM

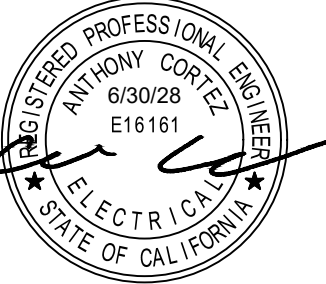
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DG

CHECKED BY

AC

JOB NO.

60730277

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N06

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INSTRUMENTATION DETAILS

STAFF REPORT

Rosamond Community Services District

DATE: November 3, 2026

TO: Board of Directors

FROM: Kim Domingo, General Manager

Subject: Approve Task Order 2026-11 (AECOM) with AECOM Technical Services, Inc. for Additional Design, Bidding, and Construction Phase Services – Wastewater Treatment Plant Grit Removal System Project

RECOMMENDATION:

Approve Task Order 2026-11 (AECOM) with AECOM Technical Services, Inc. for additional design, bidding, and construction phase engineering services for the Wastewater Treatment Plant (WWTP) Grit Removal System Project, on a time-and-materials basis for a not-to-exceed amount of \$260,000, and authorize the Board President to execute the Task Order.

BACKGROUND:

When the WWTP was upgraded to 1.27 million gallons per day (MGD), the existing 0.5 MGD grit removal system was not upgraded as a cost savings measure. As a result, plant peak throughput is limited to the hydraulic capacity of the grit channels, requiring untreated influent to be diverted to the emergency overflow pond during peak flows and adding operational labor costs. The project will upgrade the grit removal system to handle the full influent capacity, including peak events, and reduce the frequency of aeration pond dredging.

AECOM has prepared the design for this project under Task Order 2024-5, approved April 10, 2024; Task Order 2025-8, approved May 21, 2025; and Task Order 2026-4, approved May 27, 2026.

After the design reached 90% completion, staff requested a value engineering review of the grit removal process and equipment skid. Working with the equipment vendor, AECOM recommended retaining the existing grit chamber as a backup during maintenance of the new system; reconfiguring the inlet and outlet piping to avoid buried infrastructure not shown, or shown inaccurately, on record drawings; relocating the electrical equipment pad away from buried utilities and vehicle traffic; revising skid-mounted safety features such as ladders, platforms, handrails, safety cages, and lighting; and adding or relocating isolation valves to improve operability and maintenance access.

AECOM has submitted a proposal dated September 3, 2026 for the work needed to complete the project. Task 1 (\$53,000) covers the value engineering effort, which exceeded the remaining design budget, and completion of the Issue for Bid documents. Consistent with prior discussions with staff, it includes services performed between June 1, 2026 and September 4, 2026. Task 2 (\$14,690) covers bid phase services, including the pre-bid job walk, bidder RFIs, up to two addenda, and conformed Issue for Construction drawings. Task 3 (\$192,310) covers construction phase services, including the preconstruction conference, weekly progress meetings and biweekly status meetings with the District, change order review, construction RFIs, shop drawing and submittal review, review of monthly progress payments, part-time field observation, final walkthrough and punch list, and record drawings. The proposal assumes a construction duration of 160 working days. Staff has reviewed the proposal and recommends approval.

ANALYSIS:

The value engineering revisions keep the existing grit system available for redundancy, reduce the risk of change orders from poorly documented buried infrastructure, and improve operator safety and maintenance access. Continuing AECOM's involvement through the bidding and construction phases provides continuity with the design

and helps ensure the system is constructed as intended. Staff will return to the Board for authorization to advertise the project for bid once the bid documents are complete. Resident engineering and full-time inspection are excluded from this scope and, if needed, will be brought to the Board under separate action.

FISCAL REVIEW:

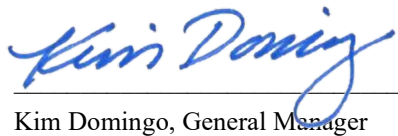
This task order is a not-to-exceed amount of \$260,000, billed on a time-and-materials basis under the District's existing Master Services Agreement with AECOM. With approval, the total design fee for the project will be \$307,300 and the total authorized for AECOM services on the project will be \$514,300. The project is budgeted in the Capital Budget under Project 22515, Grit Removal Expansion. Any budget adjustments will be presented for Board approval during the Mid-Year Budget process.

LEGAL REVIEW:

N/A

CONCLUSION:

Approval is recommended.



Kim Domingo, General Manager

Sherri Timm, Director of Administration

ATTACHMENTS:

Task Order 2026-11 (AECOM)

Attachment A

TASK ORDER 2026 – 11 (AECOM)

This Task Order is made this 3rd day of November, 2026, by and between the parties per the terms and conditions set forth in the Master Services Agreement executed between the parties with the effective date of December 14, 2023 (“Agreement”), which incorporated this Task Order by reference.

1. The Consultant Contract Number for this Task Order is _____. The Consultant Job Number for this Task Order is _____. The Consultant Contract Number and Job Number shall be referenced in each invoice submitted by Consultant to District under this Task Order.
2. The Services to be performed by Consultant under this Task Order are as follows:

Additional design, bidding, and construction phase engineering services for the Wastewater Treatment Plant Grit Removal System Project per the September 3, 2026 letter proposal

3. The Project Schedule is as follows:

Per attached September 3, 2026 letter proposal

4. The Compensation to be paid to Consultant for the performance of the Services under this Task Order is set forth as follows (appropriate rate sheet attached herein):

Time and Materials Fee not to exceed an amount of \$260,000

5. Deliverables to be provided under this Task Order are as follows:

Per attached September 3, 2026 letter proposal

DISTRICT

CONSULTANT

Gregory Washington, President

Eric Garibay, PE, Principal Engineer

Date

Date

September 3, 2026

Kim Domingo, P.E.
General Manager
Rosamond Community Services District
3179 35th St West
Rosamond, CA 93560

Proposal for Additional Design, Bidding, and Construction Phase Services for the WWTP Grit Removal System Project

AECOM Technical Services, Inc. (AECOM) is pleased to provide Rosamond Community Services District (RCSD or District) with this proposal to provide engineering services that include additional design efforts and services during the bidding and construction phases for the Grit Removal System Project. The following scope outlines the changes made based on decisions discussed with District and the requirements for AECOM to support the District during bidding and construction.

SCOPE OF WORK

The Scope of Work identified below is for additional design services and engineering during Construction Phase Services and does not cover testing, environmental, permitting, or other work not specifically called for in the scope description that follows. Should the District require further assistance, AECOM is available and qualified to assist the District with these and other efforts.

Task 1 – Value Engineering Review and Design Revisions

After the design advanced to the 90% completion stage, AECOM was requested to perform a value engineering review of the proposed grit removal process and equipment skid. In collaboration with the equipment vendor, AECOM evaluated opportunities to reduce construction and maintenance costs, improve operational flexibility, and enhance site safety. The following recommendations were presented to the District:

- Retain the existing grit chamber and incorporate functionality that allows Operations staff to utilize the existing system as a backup during maintenance activities affecting the new grit removal system.
- Reconfigure inlet and outlet piping to avoid conflicts with existing buried infrastructure that was either not identified or inaccurately depicted in available record drawings.
- Relocate the electrical equipment pad to avoid buried utilities, reduce conduit routing to the electrical room, and improve site safety by moving the equipment farther from potential vehicle traffic areas.
- Revise the skid-mounted safety features to improve operator access and working conditions, including the addition or relocation of ladders, platforms, handrails, safety cages, and lighting.
- Add isolation valves or revise valve locations as needed to improve system operability, maintenance access, and process isolation capabilities.

The engineering effort required to evaluate, develop, and coordinate these recommendations exceeded the remaining design budget established under the current contract. Accordingly, AECOM has prepared the attached budget identifying the additional effort required to revise the 90% design documents, incorporate the approved recommendations, and complete the final design deliverables.



Consistent with previous discussions with the District, the proposed budget includes engineering services performed between June 1, 2026, and September 4th, 2026, prior to execution of this amendment, as well as the remaining effort required to finalize the design and support project construction.

1.1 Design Plan Revision.

Value engineering recommendations approved by the District will be incorporated into the Plans. AECOM will provide District with one PDF set of the revised 90% drawings as a deliverable.

1.2 Specification and Cost Opinion Revision.

AECOM will revise the technical specifications and Opinion of Probable Construction Cost (OPCC) to reflect the approved value engineering recommendations incorporated into the revised 90% design documents. AECOM will provide the District one PDF set of technical specifications, front end documents, and opinion of probable cost as deliverables.

1.3 Final Design – Issue for Bid (IFB) Documents.

AECOM will host a meeting with the District to review District feedback on the 90% submittal package. Following receipt of District comments and completion of the review meeting, AECOM will incorporate District comments and prepare the Issue for Bid (IFB) documents. AECOM will provide the District one set of IFB plans, technical specifications with Front-end documents, and final opinion of probable cost in pdf format as deliverables.

1.4 Quality Control.

The Project Manager will implement AECOM's ISO certified Quality Management Program procedures for the project which includes a review of project deliverables by qualified engineers who did not work on the Project, but who have experience in the related scope of work.

1.5 Project Management.

AECOM's Project Manager will assign resources to complete the design within the given time and budget constraints and attend to other administrative duties, including but not limited to invoicing, and forecast and compare against baseline the budget and schedule.

Task 2 - Bid Phase Engineering Services

2.1 Mandatory Pre-bid Job Walk.

AECOM will attend the mandatory pre-bid job walk for the prospective bidders in person at the District office to answer questions regarding the Contact Documents and participate in the associate site visit.

2.2 Requests for Information (RFI's).

AECOM will prepare draft responses to up to six (6) RFIs submitted by prospective bidders. Draft responses will be provided to the District for review and comment. AECOM will not release responses directly to bidders unless specifically authorized by the District.

2.3 Prepare Addenda.

AECOM will prepare up to two Addenda for this project.

2.4 Issue for Construction (IFC) Drawings.

AECOM will conform all addenda and RFI responses to the bid drawings and reissue as the IFC drawings in pdf format to the District for distribution and their records.



Task 3 – Construction Phase Engineering Services

AECOM will assist the District during the construction phase with the following services.

3.1. Pre Construction Conference / Site Visit.

AECOM will attend the District hosted pre-construction meeting. Budget has been allocated for a site visit, should the District elect to conduct the pre-construction meeting at the project site instead.

3.2. Progress Meetings.

Attend up to forty-eight (48) weekly progress meetings with the District and Contractor. Meetings are assumed to be conducted virtually and not exceed 30 minutes in duration. The principal purpose of the project coordination meetings will be to discuss the following:

- Review work in progress and work planned for the next two weeks.
- Review status of critical path schedule activities and long-lead procurement items

3.3. Change Orders.

AECOM will analyze and make recommendations to District for up to four (4) contract change orders and prepare supporting plan revisions, specifications, or technical exhibits as required.

3.4. Requests for Information.

AECOM will review and coordinate with District staff and respond to up to eight (8) Contractor RFIs. AECOM will provide suggestions or alternatives as appropriate to the Contractors and District staff. AECOM will maintain an RFI Log throughout construction.

3.5. Shop Drawing Review.

AECOM will review technical submittals from the Contractor (up to 48). Submittal review will be limited to determining general conformance to the Contract Documents and shall not include verification of quantities, fabrication methods, means and methods of construction, or coordination of Contractor's work. AECOM will transmit responses to Contractor and District. After incorporation of District input, AECOM will return the submittal responses to the District. AECOM will maintain a log of shop drawings that have been submitted, and their disposition.

It is assumed that the Contractor will provide complete and coordinated submittals that generally conform to the Contract Documents upon first submission. Reviews of excessive resubmittals resulting from Contractor errors, omissions, incomplete information or deviations from the Contract Documents are not included in this scope and may reduce the number of submittals AECOM can review under this proposal or require additional authorization from the District.

3.6. Monthly Progress Payments.

AECOM will assist the District with a review of the Contractor's monthly payment requests, construction contract records, and reports specified to be submitted for compliance with contract documents. Compile recommendations and forward to District each month. AECOM will process up to 12 payments.

3.7. Field Observation.

AECOM will conduct periodic field observations to evaluate the Contractor's work for general conformance with the Contract Documents. These observations are not intended to constitute continuous inspection, construction management, or supervision of the Contractor's means, methods, techniques, sequences, procedures, or safety practices. These observations shall not relieve the Contractor of responsibility for construction means and methods, job-site safety, or compliance with applicable laws and regulations.



An associate will conduct part-time field observations and prepare documentation of construction tasks for general compliance with the Contract Documents. AECOM has allotted part-time observation, estimated at 8 hours (including travel time), weekly for 30 weeks. The task includes one site visit each for observations related to structural and to electrical components.

3.8. Final Walk-Through and Punch List.

AECOM will participate in the final walk-through and note items for and issue the punch list for the construction contract. It is assumed that the Consultant's participation at this event will consist of the lead designer and a civil engineer for the initial walk and one civil engineer to confirm punch list items were addressed.

3.9. Record Drawings.

Prepare record drawings in AutoCAD solely based on red-line markups supplied by the Contractor and provided to AECOM by the District.

3.10. Biweekly Status Meeting with District

AECOM will host a biweekly status meeting with District to provide update on project progress and schedule and to address developing issues for the duration of Construction Phase. It is assumed up to 26 meetings, each lasting 30 minutes. AECOM will publish the meeting notes and maintain a log.

3.11. Project Management.

Provide project management services throughout the duration of the construction phase. Services will include internal budget tracking, staffing coordination, and project administration, and communication with District staff regarding resource needs.

ITEMS EXCLUDED BUT OFFERED AS ADDITIONAL SERVICES.

1. Meetings beyond those stated above.
2. Meetings with RCSD board or other public agencies.
3. Stormwater Pollution Prevention Plan (SWPPP). – Assumed to be addressed by contractor.
4. Geotechnical, soils work, or materials and soils testing. AECOM assumes the District will hire the geotechnical firm directly. However, AECOM can increase their scope and hire the Geotechnical firm at District's request.
5. O&M manual preparation or review beyond shop drawing review.
6. Permitting – either conducting analysis or filing application
7. Preparation of multiple bid packages.
8. Services associated with delays extending construction beyond the assumed duration.
9. Construction Management Services
 - a. Resident engineering or full-time inspection services
 - b. Claims analysis, dispute resolution, mediation, or expert witness services.

SCHEDULE

AECOM will commence work and perform the services described herein, upon receipt of written authorization from the District Board. The proposed effort assumes a contract duration of approximately twelve (12) months, including approximately eight (8) months of active construction, corresponding to an estimated construction duration of 160 working days.

COMPENSATION

AECOM shall provide the services described herein on a time-and-materials basis for a total amount not to exceed \$260,000 without prior written authorization from the District.



Task Description	Fee
Task 1 - Value Engineering Assessment and Design Revisions	\$ 53,000
Task 2 - Bidding Phase Engineering Services	\$ 14,690
Task 3 - Construction Phase Engineering Services	\$192,310
Total Not-to-Exceed Fee	\$260,000

For a further cost breakdown, please refer to the attached staffing plan.

We look forward to working with you on this project and appreciate the opportunity to provide these services.

Very sincerely yours,

A handwritten signature in blue ink that reads "Amanda Parra".

Amanda Parra, PE
Project Manager

A handwritten signature in black ink that reads "Eric Garibay".

Eric Garibay, PE
Managing Engineer

Attachment: Staffing Plan

Staffing Plan - Grit Removal Bid & Construction Phase Services

		Personnel Hours													Budget			
Rosamond Community Services District		Principal Engineer II	Senior Engineer III	Senior Engineer I	Associate II	Associate I	Specialty Electrical Principal Engineer	Inst. Principal Engineer III	Electrical Senior Engineer II	Structural Principal Engineer III	Structural Senior Engineer II	Design CADD Supervisor	CAD Operator	Admin Specialist	Total Hours	Labor	Other Direct Cost	Total
	Hourly Rate -	\$290	\$240	\$195	\$165	\$130	\$350	\$335	\$220	\$335	\$220	\$200	\$125	\$125				
Task 1 - Value Engineer																		
1	Design Plan Revisions	24	4	20	40		2	16	2	12		40			160	\$ 36,940	\$ 1,847	\$ 38,787
2	Specification & Cost Opinion Revisions	1		6	4	6	1		2	1	2				23	\$ 4,465	\$ 223	\$ 4,688
3	Final Design - Issue for Bid Documents														0	\$ -	\$ -	\$ -
	Review meeting with District	1		2											3	\$ 680	\$ 82	\$ 762
	Incorporate Comments & Finalize Front End Docs		2	2	8								16		28	\$ 4,190	\$ 210	\$ 4,400
4	Quality Control	1	1		2		2			1		1			8	\$ 2,095	\$ 105	\$ 2,200
5	Project Management			8										4	12	\$ 2,060	\$ 103	\$ 2,163
Subtotal		27	7	38	54	6	5	16	4	14	2	41	16	4	234	\$ 50,430	\$ 2,570	\$ 53,000
Task 2 - Bid Support Services																		
1	Attend mandatory pre-bid job walk			6											6	\$ 1,170	\$ 153	\$ 1,323
2	Responses to RFIs (up to 6 assumed)	4		3	12		1			1					21	\$ 4,410	\$ 221	\$ 4,631
3	Prepare Addenda (up to 2)	2	2	4	8		1			1			6		24	\$ 4,595	\$ 230	\$ 4,825
4	Prepare IFC (conformed) drawings		1	1	4	1							20		27	\$ 3,725	\$ 186	\$ 3,911
Subtotal		6	3	14	24	1	2	-	-	2	-	-	26	-	78	\$ 13,900	\$ 790	\$ 14,690
Task 3 -Construction Phase																		
1	Attend Pre-Con Conf. & one Site Visit			8		1									9	\$ 1,690	\$ 95	\$ 1,785
2	Weekly Progress Meeting (48 mtg @ 30 min ea)			48											48	\$ 9,360	\$ 468	\$ 9,828
3	Review/Prepare Change Orders (4 assumed)	2		16		4	1	8		1	8	16			56	\$ 12,545	\$ 627	\$ 13,172
4	Request for Information - RFI (8 assumed)	6	6		18	12		3	9	3	9				66	\$ 13,680	\$ 684	\$ 14,364
5	Shop Drawings (48 assumed)	24	8		48	48		16	32	8	16				200	\$ 41,640	\$ 2,082	\$ 43,722
6	Monthly Progress Payments (12 assumed)			12	24										36	\$ 6,300	\$ 315	\$ 6,615
7	Field Observation & Acceptance (30 wks, 8hr/wk)	16	8	16	240		16	8		16					320	\$ 62,920	\$ 3,146	\$ 66,066
8	Final Walk and Punch List (2 visits)	8	4	8	40										60	\$ 11,440	\$ 572	\$ 12,012
9	Record Drawings	2	4	4	9	1						4	40		64	\$ 9,735	\$ 487	\$ 10,222
10	Biweekly Status Meeting w/ District (26 mtg/30 min ea)			26		13									39	\$ 6,760	\$ 338	\$ 7,098
11	Project Management			26		4								12	42	\$ 7,090	\$ 336	\$ 7,426
Subtotal		58	30	164	379	83	17	35	41	28	33	20	40	12	940	\$ 183,160	\$ 9,150	\$ 192,310
Total		91	40	216	457	90	24	51	45	44	35	61	82	16	1,252	\$ 247,490	\$ 12,510	\$ 260,000

STAFF REPORT

Rosamond Community Services District

DATE: November 3, 2026
TO: Board of Directors
FROM: Kim Domingo, General Manager
Subject: Approval of Consultant Fees Reimbursement Agreement with SSV Properties for the Willow Springs Development Project – Water Study

Strategic Plan Element Addressed: 5.0 Maintain our Water and Wastewater Systems

RECOMMENDATION:

Approve the Consultant Fees Reimbursement Agreement with SSV Properties for the Willow Springs Development Project – Water Study, and authorize the General Manager to execute.

BACKGROUND:

SSV Properties (Applicant) proposes to redevelop the Willow Springs Raceway property as the Willow Springs Development Project and has requested that the District evaluate whether it can provide water service to the project. The raceway is currently served by two onsite wells that are not permitted for potable use. The Applicant's engineer, Kimley-Horn and Associates, Inc. (KHA), provided an August 11, 2026 technical memorandum describing a two-phase redevelopment and a conceptual water main extension of approximately 2.5 miles along Rosamond Boulevard that would connect the site to the District's public water system.

The proposed development is not located within the District's existing service area. An annexation would be required for the District to provide water service.

Kennedy/Jenks Consultants, Inc. (KJ) submitted a letter proposal dated September 25, 2026 to perform the Water Main Extension and Capacity Analysis using the District's existing hydraulic model. Task Order 2026-1 (KJ) for this work is presented for consideration under a separate agenda item. Because the analysis is being performed at the Applicant's request and for the benefit of the Applicant's project, staff recommends that the Applicant reimburse the District for its full cost.

ANALYSIS:

Under the Agreement, the Applicant will reimburse the District for 100% of all costs incurred in connection with the Water Study, including KJ's fees, District legal counsel and other outside consultant fees, and District staff time. The obligation applies regardless of whether costs exceed the estimate or of the conclusions of the study. The fees in the KJ proposal are estimates only and do not cap the Applicant's obligation.

Within ten (10) business days of the Effective Date, the Applicant will deposit the total estimated fee, including optional services. The District will not issue a Notice to Proceed to KJ until the Agreement is fully executed and the deposit is received. If the deposit becomes insufficient, the

Applicant must replenish it within fifteen (15) days of notice, or the District may suspend the work. The District will provide monthly statements and, within sixty (60) days after the final deliverable, a final accounting and refund of any unexpended balance.

The District may approve a revised or supplemental KJ proposal after providing a copy to the Applicant, who may then terminate the Agreement if it does not wish to fund the change. Either party may terminate on ten (10) days' written notice, with the Applicant responsible for costs incurred through termination. The Applicant will also defend and indemnify the District from claims arising from the Agreement, the Water Study or the project.

KJ is engaged by and works solely for the District, and all work product is District property. Approval of the Agreement does not commit the District to approve annexation, issue a will-serve letter, approve a water main extension, or take any other action on the project. Any annexation would also be subject to approval by the Kern Local Agency Formation Commission.

FISCAL REVIEW:

There is no net fiscal impact to the District. The Applicant will deposit \$35,824, equal to KJ's total estimated fee under Task Order 2026-1 (KJ), before work begins. District legal and staff costs are also reimbursable and will be charged against the deposit, which the Applicant must replenish as needed.

LEGAL REVIEW:

The Agreement will be approved as to form by District Counsel prior to execution.

CONCLUSION:

The Agreement allows the District to evaluate the Applicant's request at no cost to District ratepayers, while preserving the Board's full discretion over any future annexation or water service decision. Staff recommends approval of the Consultant Fees Reimbursement Agreement with SSV Properties.



Kim Domingo, General Manager



Sherri Timm, Director of Administration

ATTACHMENTS:

Consultant Fees Reimbursement Agreement – SSV Properties
Kennedy/Jenks Consultants, Inc. Proposal dated September 25, 2026 (Exhibit A)

**ROSAMOND COMMUNITY SERVICES DISTRICT
CONSULTANT FEES REIMBURSEMENT AGREEMENT**

Willow Springs Development Project – Water Study

THIS CONSULTANT FEES REIMBURSEMENT AGREEMENT (“**Agreement**”) is entered into as of November 3, 2026 (the “**Effective Date**”) by and between the **ROSAMOND COMMUNITY SERVICES DISTRICT**, a California community services district organized under Government Code Section 61000 et seq. (the “**District**”), and **SSV PROPERTIES**, a [California limited liability company / corporation / partnership] (the “**Applicant**”). The District and the Applicant are each referred to as a “**Party**” and collectively as the “**Parties**.”

RECITALS

A. The Applicant proposes the redevelopment of the Willow Springs Raceway property (the “**Property**”) as the Willow Springs Development Project (the “**Project**”) and has requested that the District evaluate whether it can provide water service to the Project.

B. The Property is not located within the District’s existing service area, and annexation of the Property to the District would be required before the District could provide water service to the Project.

C. Kennedy/Jenks Consultants, Inc. (the “**Consultant**”) has submitted to the District a proposal to perform a water main extension and capacity analysis for the Project (as amended or supplemented from time to time in accordance with Section 3, the “**Proposal**”). The Proposal is attached hereto as Exhibit A and incorporated herein by reference. The work described in the Proposal is referred to herein as the “**Water Study**.”

D. The District is willing to engage the Consultant to perform the Water Study only on the condition that the Applicant reimburse the District for all costs the District incurs in connection with the Water Study, and the Applicant is willing to do so on the terms set forth in this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants set forth herein, the Parties agree as follows:

1. REIMBURSABLE COSTS

1.1 Reimbursable Costs Defined. “Reimbursable Costs” means all costs, fees, expenses and charges incurred by the District in connection with the Water Study, including without limitation: (a) all fees and charges invoiced to the District by the Consultant for the Water Study, at the rates and charges set forth in the Proposal; (b) fees of the District’s legal counsel and any other outside consultants incurred in reviewing, administering or implementing the Water Study or this Agreement; and (c) District staff time spent

administering the Water Study and this Agreement (collectively, the “Reimbursable Costs”).

1.2 Obligation to Reimburse. The Applicant shall reimburse the District for one hundred percent (100%) of all Reimbursable Costs, whether or not such costs exceed the estimated fees set forth in the Proposal, and regardless of the conclusions of the Water Study or any subsequent action taken by the District on the Project.

2. SCOPE AND ESTIMATED COST

2.1 Scope. The scope, deliverables, schedule and estimated fees for the Water Study are as set forth in the Proposal attached as Exhibit A, as it may be amended or supplemented under Section 3.

2.2 Estimates Only. The fees stated in the Proposal are estimates only and do not constitute a cap on the Applicant’s reimbursement obligation. Any increase in the Consultant’s rates under the terms of the Proposal, and any additional cost arising from changes in scope, shall be a Reimbursable Cost.

3. CHANGES IN SCOPE

3.1 Revised or Supplemental Proposals. The District may approve a revised, amended or supplemental proposal from the Consultant, or authorize optional or additional services described in the Proposal, without amending this Agreement. Before authorizing any such change, the District shall provide the Applicant with a copy of the revised or supplemental proposal and its estimated fee. Upon such notice, the revised or supplemental proposal shall be attached to and become part of Exhibit A, and all costs incurred under it shall be Reimbursable Costs.

3.2 Applicant’s Right to Terminate. If the Applicant does not wish to fund a change in scope, the Applicant may terminate this Agreement under Section 8 by written notice delivered within ten (10) days after receipt of the District’s notice under Section 3.1.

3.3 Additional Deposit. If a change in scope increases the total estimated fee, the District may require the Applicant to increase the Deposit under Section 4.3 before the Consultant begins the additional work.

4. DEPOSIT AND REPLENISHMENT

4.1 Initial Deposit. Within ten (10) business days after the Effective Date, the Applicant shall deposit with the District an amount equal to the total estimated fee set forth in the Proposal, including any optional services, plus the administrative fee described in Section 1.1(d), if applicable (the “Deposit”). The District shall hold the Deposit in a separate account or ledger and shall draw upon it to pay Reimbursable Costs. No interest shall accrue or be payable to the Applicant on the Deposit.

4.2 Notice to Proceed. The District shall have no obligation to authorize the Consultant to begin work on the Water Study until this Agreement has been fully executed and the Deposit has been received by the District in immediately available funds.

4.3 Replenishment. If at any time the balance of the Deposit is insufficient to pay Reimbursable Costs incurred or reasonably anticipated to be incurred to complete the Water Study, the District shall notify the Applicant in writing of the additional amount required, together with documentation supporting the request. The Applicant shall deposit the additional amount with the District within fifteen (15) calendar days after the date of the District's notice.

4.4 Failure to Pay. If the Applicant fails to timely make any deposit required by this Agreement, the District may, in its sole discretion and without liability to the Applicant, direct the Consultant to suspend or stop all work on the Water Study until the required funds are received, and may suspend processing of any other application or request relating to the Project. The Applicant shall remain responsible for all Reimbursable Costs incurred through the date of any such suspension.

5. ACCOUNTING AND REFUND

5.1 Periodic Statements. The District shall provide the Applicant, on a monthly basis or upon the Applicant's reasonable request, a statement of the Reimbursable Costs charged against the Deposit, together with copies of the Consultant's invoices.

5.2 Final Accounting and Refund. Within sixty (60) days after delivery of the Consultant's final deliverable under the Proposal, or the earlier termination of this Agreement, and after payment of all Reimbursable Costs, the District shall provide the Applicant a final accounting and refund to the Applicant any unexpended balance of the Deposit, without interest. If the Reimbursable Costs exceed the Deposit, the Applicant shall pay the difference within thirty (30) days after receipt of the final accounting.

6. DISPUTED CHARGES

6.1 If the Applicant disputes any Reimbursable Cost, the Applicant shall notify the District's General Manager in writing within thirty (30) days after receipt of the statement containing the disputed charge, specifying the particular charges disputed and the basis for the dispute. The General Manager shall review the disputed charges and either confirm them as invoiced or make such adjustments as the General Manager determines are appropriate. The General Manager's determination shall be final. The existence of a dispute shall not relieve the Applicant of the obligation to maintain the Deposit or to pay undisputed Reimbursable Costs.

7. NO COMMITMENT BY THE DISTRICT

7.1 Independent Discretion. The Applicant acknowledges and agrees that the District's engagement of the Consultant and its acceptance of reimbursement under this Agreement do not obligate the District to approve, support or initiate annexation of the Property; to issue any will-serve letter, can-and-will-serve letter or other commitment of water service; to approve any water main extension, facility, or development agreement; or to take any other action with respect to the Project. The District retains full legislative and discretionary authority over all such matters, and any annexation will also be subject to the approval of the Kern Local Agency Formation Commission and any other agency with jurisdiction.

7.2 No Guaranteed Outcome. Payment of Reimbursable Costs shall not entitle the Applicant to any particular conclusion in the Water Study. The Applicant's obligation to reimburse the District is not contingent upon the results of the Water Study.

7.3 Consultant Relationship. The Consultant is engaged by, and works solely for, the District. Nothing in this Agreement creates a contractual or professional relationship between the Consultant and the Applicant, and the Applicant shall not direct the Consultant's work. Communications between the Applicant (or its consultants) and the Consultant regarding the Water Study shall be coordinated through the District.

7.4 Work Product. All work product prepared by the Consultant, including all models, data and reports, shall be the property of the District. Upon completion, the District will provide the Applicant with a copy of the final report. The Applicant may not rely on the Water Study for any purpose other than its discussions with the District concerning the Project, and the District makes no representation or warranty regarding the accuracy or completeness of the Water Study.

7.5 Applicant Information. The Applicant shall promptly provide, or cause its consultants to provide, all information regarding the Project reasonably requested by the District or the Consultant for the Water Study. Delays or changes in such information may increase Reimbursable Costs.

8. TERMINATION

8.1 Either Party may terminate this Agreement upon ten (10) days' written notice to the other Party. Upon termination, the District shall direct the Consultant to stop work. The Applicant shall remain responsible for all Reimbursable Costs incurred through the effective date of termination, including any costs reasonably incurred by the Consultant in closing out its work, and the provisions of Section 5.2 shall apply to the final accounting and any refund.

9. INDEMNIFICATION

9.1 To the fullest extent permitted by law, the Applicant shall defend, indemnify and hold harmless the District and its directors, officers, employees, agents and consultants from and against any and all claims, actions, liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees) arising out of or relating to this Agreement, the Water Study, or the Project, except to the extent caused by the sole negligence or willful misconduct of the District. This Section 9.1 shall survive the expiration or termination of this Agreement.

10. GENERAL PROVISIONS

10.1 Notices. All notices under this Agreement shall be in writing and delivered personally, by recognized overnight courier, or by email with a confirming copy sent by first-class mail, to the addresses set forth on the signature page. Notices shall be deemed given upon delivery or, if by email, upon transmission during normal business hours.

10.2 Governing Law; Venue. This Agreement shall be governed by the laws of the State of California. Any action arising out of this Agreement shall be brought in the Superior Court of California, County of Kern.

10.3 Attorneys' Fees. In any action to enforce or interpret this Agreement, the prevailing Party shall be entitled to recover its reasonable attorneys' fees and costs.

10.4 Entire Agreement; Amendment. This Agreement, including Exhibit A as amended or supplemented under Section 3, constitutes the entire agreement of the Parties regarding its subject matter and supersedes all prior understandings. Except as provided in Section 3, this Agreement may be amended only by a written instrument signed by both Parties.

10.5 Assignment; Successors. The Applicant may not assign this Agreement without the prior written consent of the District. Subject to the foregoing, this Agreement shall be binding upon and inure to the benefit of the Parties and their respective heirs, successors and assigns.

10.6 Severability. If any provision of this Agreement is held invalid or unenforceable, the remaining provisions shall continue in full force and effect.

10.7 Authority. Each person signing this Agreement represents and warrants that he or she is duly authorized to execute this Agreement on behalf of the Party for which he or she signs, and that such Party is bound by this Agreement.

10.8 Counterparts; Electronic Signatures. This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which together shall constitute one instrument. Electronic and scanned signatures shall be treated as originals.

[Signature page follows]

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the Effective Date.

DISTRICT:

ROSAMOND COMMUNITY SERVICES DISTRICT

By: _____

Name: Kim Domingo

Title: General Manager

Date: November 3, 2026

Address: 3179 35th Street West, Rosamond, CA 93560

Email: kdomingo@rosamondcsd.com

APPROVED AS TO FORM:

By: _____

District Legal Counsel

APPLICANT:

SSV PROPERTIES, a [entity type]

By: _____

Name: _____

Title: _____

Date: _____

Address: _____

Email: _____

Phone: _____

EXHIBIT A
CONSULTANT PROPOSAL

Kennedy/Jenks Consultants, Inc., Proposal for Willow Springs Raceway – Water Main Extension and Capacity Analysis Request, dated September 25, 2026 (Proposal/Job No. B070659), including all attachments, together with any revised or supplemental proposals added under Section 3 of the Agreement.

[Attach complete copy of Proposal]

25 September 2026

Mr. Kim Domingo
General Manager
Rosamond Community Services District
3179 35th St W
Rosamond, CA 93560 999

Subject: Proposal for Willow Springs Raceway – Water Main Extension and Capacity Analysis Request

Dear Mr. Domingo:

Kennedy/Jenks Consultants, Inc. (KJ) is pleased to submit this proposal for Rosamond Community Services District (RCSD) for the Willow Springs Raceway – Water Main Extension and Capacity Analysis (Project) for Kimley-Horn and Associates, Inc. (KHA) following KHA's memorandum of August 11, 2026.

Purpose and Understanding

Willow Springs Raceway is currently served by two onsite wells that are not permitted for potable use. KHA requested RCSD evaluate the capacity of the existing RCSD water supply and water distribution system to meet the estimated demands at Willow Springs Raceway which typically occur during weekend events. KHA provided an August 11, 2026 technical memorandum (KHA TM) that described the proposed Phase 1 redevelopment with a clubhouse and community garage while Phase 2 includes additional garages, residential, hotel and public buildings. A proposed water main extension has been conceptualized that would be approximately 2.5 miles long and connect the project site to the RCSD public water system. The KHA TM has estimated existing and proposed water demands, fire flow requirements, and a preliminary water main extension route and sizing.

KJ will utilize the existing hydraulic model, developed by KJ for the 2019 RCSD Water Master Plan (WMP), to evaluate the hydraulic impacts of the proposed Phase 1 and 2 Willow Springs Raceway to the existing RCSD water system. The main purpose of the hydraulic evaluation is to determine if the proposed development meets the following criteria:

1. Whether the RCSD wells and distribution system can handle the additional water demands and fire flow requirements
2. Whether the water main extension route and sizing is adequate to deliver the anticipated flow under average day, maximum day with and without fire flow, and peak hour conditions.

It should be noted that the proposed development is not located within RCSD's existing service area and an annexation is required if RCSD were to provide water service.

The results of this analysis will be summarized in a brief technical memorandum (TM). The following tasks are planned under this scope of work:

- Task 1 – Data Review and Model Update
- Task 2 – Hydraulic Model and System Evaluation
- Task 3 – Technical Memorandum (TM)
- Task 4 – Project Management

The following sections detail the scope, requested data, assumptions, and deliverables for each listed task.

Task 1 – Data Review and Model Update

Task 1.1 – Data Review and Model Update

This task includes review of the existing model, the 2019 WMP report, the pipe network, and the future supply and demand scenarios previously modeled and the KHA TM. This task includes identifying any additional improvements made to the RCSD system since the model was prepared for the 2019 WMP; RCSD will provide As-Built drawings of any improvements since the last model update and current water demands and available supplies. The proposed Water Main Extension along Rosamond Blvd to serve Willow Springs will be incorporated into the model as will the estimated Phase 1 and 2 demands from the KHA TM for Willow Springs Raceway for the flow scenarios.

All waterlines will be assigned a material (roughness coefficient) based on the proposed piping. KJ will also assign elevations to the new model nodes based on Google Earth spot elevations.

Assumptions:

- The most recent RCSD hydraulic model is generally accurate and that model updates will be limited to review of new facilities (e.g. pipelines, wells, storage) and global scaling of demands to reflect current conditions since the 2019 WMP model.
- No new model calibration is included which could limit model accuracy.
- RCSD will provide CAD file or PDF drawings of any system upgrades since last hydraulic model update.
- RCSD will provide monthly water delivery data since the last hydraulic model update, a summary of existing demands, and a summary of existing well capacities to bring the existing model to reflect current and planned future conditions.
- The Willow Springs Raceway demand is to be applied at the end of the proposed pipeline; no modeling of infrastructure within the Willow Springs Raceway site is included.
- Hydrants every 2,000 feet will be included for the proposed pipeline along Rosamond Boulevard.

Deliverables:

- A figure with the RCSD existing distribution, supply and storage facilities for Task 3 TM.

Task 2 – Hydraulic Model and System Evaluations

The purpose of this task is to evaluate RCSD's distribution system under the existing peak hour day (PHD) with the addition of demands and maximum day demand (MDD) plus fire flow from the proposed Willow Springs Raceway Phase 1 and Phase 2 Development as defined in the KHA TM. Pipe sizing and fire flow storage volumes provided by KHA will be evaluated to determine whether the sizing is sufficient for RCSD water delivery during PHD conditions and MDD with fire flow conditions. RCSD's existing facilities (wells, storage, and pump stations) will be evaluated to meet the Willow Springs demand.

Task 2.1 – Hydraulic Model Maximum Day Demand Run With and Without Fire Flow

KJ will run up to two hydraulic model scenarios in the hydraulic model updated in Task 1.1 that reflects existing RCSD PHD conditions with both Phase 1 of the proposed development and Phase 2 both of which are outlined in the KHA TM. The initial PHD scenario will include both Phase 1 and Phase 2 utilize existing demands developed by the developer. A second PHD scenario is budgeted so that adjustments to the initial scenario can be made based on the results (e.g. existing RCSD PHD with only Phase 1 or only Phase 2, future RCSD PHD with both Phase 1 and/or Phase 2, etc).

In addition, KJ will run up to hydraulic model MDD plus fire flow scenarios with the Phase 1 and Phase 2 fire flow and Willow Springs Raceway storage assumptions outlined in the KHA TM. The hydraulic model simulations will evaluate the capacity of the RCSD distribution network to deliver the MDD with and without fire flow while meeting pressure and velocity criteria outlined in the 2019 WMP. The initial MDD plus fire scenario will use RCSD's existing MDD plus fire flow and add both Phase 1 and Phase 2 Willow Springs MDD plus fire flow. A second MDD plus fire flow scenario is budgeted so that adjustments to the initial scenario can be made based on the results from the first model run.

Task 2.2 – RCSD System Evaluation

In addition to the distribution system capacity evaluation in Task 2.1, KJ will prepare a summary of RCSD wells, storage and pump stations facilities using the 2019 WMP with RCSD updates and evaluate capacity of wells, storage, and pump stations to meet the RCSD existing and future demand with the addition of the Phase 1 and Phase 2 Willow Springs demand.

Task 2.3 – Summarize Evaluation and Model Outputs

KJ will provide RCSD with four figures presenting the pressures in the RCSD system during PHD conditions and MDD with fire flow with the demands from the proposed development.

Assumptions:

- All model runs will be steady state.

- All model runs will be for existing RCSD demand conditions. Future demand conditions can be modeled under Task 5 – Optional Services.
- RCSD system evaluation will be based on existing RCSD facility and demand information provided by RCSD. No new facility or demand analysis is included.

Deliverables:

- Four (4) summary figures of the pressure in the system under PHD and MDD plus fire flow conditions with the proposed development for Task 3 TM.
- Summary table of RCSD facilities and demands with and without Willow Springs added for Task 3 TM.

Task 3 – Technical Memorandum**Task 3.1 – Draft Technical Memorandum**

KJ will develop a brief TM summarizing the model assumptions and inputs, model scenarios, model outputs, and key conclusions of the analysis. An evaluation will be made of whether the increased demands from the Willow Springs Raceway Development can be met with the existing RCSD supplies and pipelines while also serving current RCSD demands and identify improvements that are needed, if any, to RCSD supplies and pipelines to deliver the Willow Springs Raceway Development demand .

A total of up to four (4) maps will be created of the RCSD system with the proposed pipeline to visualize model output results, focusing on pipeline velocity and system pressures during MDD conditions with and without fire flow.

Task 3.2 – Final Technical Memorandum

KJ will incorporate any comments provided by RCSD staff and produce a final TM for submission to RCSD.

Assumptions:

- RCSD will provide comments within 2 weeks of receiving the Draft TM.

Deliverables:

- Draft TM (PDF)
- Final TM (PDF)

Task 4 – Project Management**Task 4.1 – Project Management**

Project management activities will be performed to maintain the project schedule and budget and communicate progress and issues with RCSD staff. Invoices will be prepared and

submitted to the RCSD monthly. This proposed scope of work assumes a project duration of **3 months**.

Task 4.2 – QA/QC

Quality assurance and quality control (QA/QC) reviews will be performed throughout the course of this project. Work products will be reviewed prior to submittal to RCSD.

Task 4.3 – Meetings

KJ will attend up to two virtual meetings with RCSD staff to kickoff the project and align on assumptions and then to review model results. An agenda, meeting materials, and meeting notes will be prepared for each meeting. Up to three KJ staff will be present at each meeting.

Deliverables:

- Monthly invoice (PDF)
- Meeting agendas, materials, and notes (PDF)

Assumptions:

- It is assumed that the project will be completed within three months of Notice to Proceed.

Task 5 – Optional Services

Task 5.1 – Optional Services

This task is for services not within the above Tasks 1-4 and can include services such as additional meetings, detailed redistribution of existing demands to model nodes, additional model runs, and additional drafts of the TM. A mutually agreed upon scope and budget for optional services will be prepared and authorized by RCSD prior to initiating additional work. A budget of 20 hours is included at this time.

Mr. K. Domingo
Rosamond Community Services District
25 September 2026
Page 6

FEE ESTIMATE

The fee for the proposed scope of work is \$30,729 for Tasks 1-4 and \$5,095 for Task 5 and is based on our January 1, 2026 Schedule of Charges found in Attachment A; a detailed breakdown of the fee is provided in Attachment B. This proposal is valid through December 31, 2026 at which time our schedule of charges will increase.

Thank you for considering us for this work. Please contact me at 650-852-2817 if you have any questions. We look forward to working with you.

Very truly yours,

KENNEDY/JENKS CONSULTANTS, INC.



Sachiko Itagaki, P.E.
Principal in Charge

Attachment A: January 1, 2026 Schedule of Charges
Attachment B: Detailed Fee Breakdown

Client/Address: Rosamond Community Services District
3179 35th Street W
Rosamond, CA 93560-999

Contract/Proposal Date: 9/25/2026

Schedule of Charges

January 1, 2026

PERSONNEL COMPENSATION

Classification	Hourly Rate
Engineer-Scientist-Specialist 1	\$170
Engineer-Scientist-Specialist 2	\$200
Engineer-Scientist-Specialist 3	\$230
Engineer-Scientist-Specialist 4	\$250
Engineer-Scientist-Specialist 5	\$270
Engineer-Scientist-Specialist 6	\$290
Engineer-Scientist-Specialist 7	\$315
Engineer-Scientist-Specialist 8	\$340
Engineer-Scientist-Specialist 9	\$360
Senior CAD-Designer	\$210
CAD-Designer	\$200
Senior CAD-Technician	\$195
CAD-Technician	\$180
Project Assistant	\$145
Administrative Assistant	\$135

In addition to the above Hourly Rates, an Associated Project Cost charge of \$9.74 per hour will be added to Personnel Compensation for costs supporting projects including telecommunications, software, information technology, internal photocopying, shipping, and other support activity costs related to the support of projects.

Direct Expenses

Reimbursement for direct expenses, as listed below, incurred in connection with the work, will be at cost plus ten percent for items such as:

- Maps, photographs, 3rd party reproductions, 3rd party printing, equipment rental, and special supplies related to the work.
- Consultants, soils engineers, surveyors, contractors, and other outside services.
- Rented vehicles, local public transportation and taxis, travel and subsistence.
- Project specific telecommunications and delivery charges.
- Special fees, insurance, permits, and licenses applicable to the work.
- Outside computer processing, computation, and proprietary programs purchased for the work.

Reimbursement for vehicles used in connection with the work will be at the federally approved mileage rates or at a negotiated monthly rate.

If prevailing wage rates apply, the above billing rates will be adjusted as appropriate.

Overtime for non-exempt employees will be billed at one and a half times the Hourly Rates specified above.

Rates for professional staff for legal proceedings or as expert witnesses will be at rates one and one-half times the Hourly Rates specified above.

Excise and gross receipts taxes, if any, will be added as a direct expense.

The foregoing Schedule of Charges is incorporated into the agreement for the services provided, effective January 1, 2026 through December 31, 2026. After December 31, 2026, invoices will reflect the Schedule of Charges currently in effect.

Exhibit B - Fee Estimate

Proposal Fee Estimate



CLIENT Name: Rosamond Community Services District

PROJECT Description: Hydraulic Modeling Support - Willow Springs Raceway

Proposal/Job Number: B070659

Date: 9/25/2026

January 1, 2026 Rates							
	Eng-Sci-8	Eng-Sci-4	Eng-Sci-3	Project Assistant			
Classification:					Total	Total Labor	Total Labor + Subs + Expenses
Hourly Rate:	\$340	\$250	\$230	\$145	Hours		Fees
Task 1 - Data Review and Model Update							
1.1 Data Review and Model Update	2	4	10		16	\$4,136	\$4,136
Task 1 - Subtotal	2	4	10	0	16	\$4,136	\$4,136
Task 2 - Hydraulic Model Evaluations							
2.1 Hydraulic Model With and without Fire Flow Run	2	8	14		24	\$6,134	\$6,134
2.2 RCSD System Evaluation	2	4	10		16	\$4,136	\$4,136
2.3 Summarize Evaluation and Model Outputs	1	2	6		9	\$2,308	\$2,308
Task 2 - Subtotal	4	14	30	0	40	\$12,577	\$12,577
Task 3 - Technical Memorandum							
3.1 Draft TM	2	6	18	2	28	\$6,883	\$6,883
3.2 Final TM	1	1	6		8	\$2,048	\$2,048
Task 3 - Subtotal	3	7	24	2	36	\$8,931	\$8,931
Task 4 - Project Management							
4.1 Project Management	1	2		4	7	\$1,488	\$1,488
4.2 QA/QC	4				4	\$1,399	\$1,399
4.3 Meetings	2	3	3		8	\$2,198	\$2,198
Task 4 - Subtotal	7	5	3	4	19	\$5,085	\$5,085
Task 5 - As-Needed							
5.1 Optional Services	2	4	14		20	\$5,095	\$5,095
Task 5 - Subtotal	2	4	14	0	20	\$5,095	\$5,095
Tasks 1-4 Total	17	30	67	6	120	\$30,729	\$30,729
Tasks 1-5 Total	19	34	81	6	140	\$35,824	\$35,824

STAFF REPORT

Rosamond Community Services District

DATE: November 3, 2026
TO: Board of Directors
FROM: Kim Domingo, General Manager
Subject: Approval of Task Order 2026-1 (KJ) with Kennedy/Jenks Consultants, Inc. for the Willow Springs Raceway – Water Main Extension and Capacity Analysis

Strategic Plan Element Addressed: 5.0 Maintain our Water and Wastewater Systems

RECOMMENDATION:

Approve Task Order 2026-1 (KJ) with Kennedy/Jenks Consultants, Inc. (KJ) for the Willow Springs Raceway – Water Main Extension and Capacity Analysis in an amount not to exceed \$35,824, and authorize the President to execute.

BACKGROUND:

On July 28, 2023, the District executed a Master Services Agreement (MSA) with KJ for consultant services to be performed on a Task Order basis. The terms of the agreement are memorialized during the contract life, streamlining the authorization process for the consultant and staff. KJ developed the District's water system hydraulic model for the 2019 Water Master Plan (WMP) and most recently assisted the District with the 2025 Urban Water Management Plan and Water Shortage Contingency Plan presented to the Board on June 10, 2026.

Willow Springs Raceway is currently served by two onsite wells that are not permitted for potable use. Kimley-Horn and Associates, Inc. (KHA), on behalf of the property owner, has requested that the District evaluate the capacity of the existing RCSD water supply and distribution system to meet the estimated demands at the raceway, which typically peak during weekend events. KHA provided an August 11, 2026 technical memorandum describing a proposed Phase 1 redevelopment with a clubhouse and community garage, and a Phase 2 that includes additional garages, residential, hotel and public buildings. The memorandum also estimates existing and proposed water demands and fire flow requirements, and presents a conceptual water main extension of approximately 2.5 miles along Rosamond Boulevard that would connect the site to the District's public water system.

The proposed development is not located within the District's existing service area. An annexation would be required for the District to provide water service.

Staff requested a proposal to perform the capacity analysis using the District's existing hydraulic model maintained by Kennedy/Jenks. KJ submitted the letter proposal dated September 25, 2026 attached to the proposed Task Order.

ANALYSIS:

The analysis will determine whether the District's wells and distribution system can handle the additional demands and fire flow requirements of the proposed development, and whether the proposed water main extension route and sizing are adequate under average day, maximum day with and without fire flow, and peak hour conditions. It will also identify any improvements required so that service to the development would not diminish service to the District's existing customers.

The results will provide the Board and staff with the technical information needed to evaluate a future annexation and service request. Approval of the Task Order does not commit the District to provide water service to the development.

FISCAL REVIEW:

The time-and-expense fee is for a total not to exceed \$35,824, based on KJ's January 1, 2026 Schedule of Charges. The costs for the analysis are to be reimbursed by the developer through an agreement for consideration under a separate agenda item.

LEGAL REVIEW:

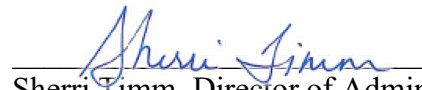
The Task Order falls under the Master Services Agreement that was executed using the District template.

CONCLUSION:

The capacity analysis will provide an objective evaluation of the District's ability to serve the Willow Springs Raceway development and the improvements that would be required. Staff recommends approval of Task Order 2026-1 (KJ).



Kim Domingo, General Manager



Sherri Timm, Director of Administration

ATTACHMENTS:

Task Order 2026-1 (KJ)

Attachment A

TASK ORDER 2026-1 (KJ)

This Task Order is made this 3rd day of November, 2026 by and between the parties per the terms and conditions set forth in the Master Services Agreement executed between the parties on the 28th day of July, 2023. ("Agreement"), which incorporated this Task Order by reference.

1. The Consultant Contract Number for this Task Order is _____. The Consultant Job Number for this Task Order is _____. The Consultant Contract Number and Job Number shall be referenced in each invoice submitted by Consultant to District under this Task Order.

2. The Services to be performed by Consultant under this Task Order are as follows:

Professional consulting services to prepare the Willow Springs Raceway – Water Main Extension and Capacity Analysis per the attached September 25, 2026 letter proposal

3. The Project Schedule is as follows:

In accordance with the attached September 25, 2026 letter proposal.

4. The Compensation to be paid to Consultant for the performance of the Services under this Task Order is set forth as follows (appropriate rate sheet attached herein):

On a time-and-expense reimbursement basis not to exceed \$35,824 in accordance with the attached September 25, 2026 letter proposal.

5. Deliverables to be provided under this Task Order are as follows:

In accordance with the attached September 25, 2026 letter proposal.

DISTRICT

CONSULTANT

Gregory Washington, President of the Board

Date

Date

25 September 2026

Mr. Kim Domingo
General Manager
Rosamond Community Services District
3179 35th St W
Rosamond, CA 93560 999

Subject: Proposal for Willow Springs Raceway – Water Main Extension and Capacity Analysis Request

Dear Mr. Domingo:

Kennedy/Jenks Consultants, Inc. (KJ) is pleased to submit this proposal for Rosamond Community Services District (RCSD) for the Willow Springs Raceway – Water Main Extension and Capacity Analysis (Project) for Kimley-Horn and Associates, Inc. (KHA) following KHA's memorandum of August 11, 2026.

Purpose and Understanding

Willow Springs Raceway is currently served by two onsite wells that are not permitted for potable use. KHA requested RCSD evaluate the capacity of the existing RCSD water supply and water distribution system to meet the estimated demands at Willow Springs Raceway which typically occur during weekend events. KHA provided an August 11, 2026 technical memorandum (KHA TM) that described the proposed Phase 1 redevelopment with a clubhouse and community garage while Phase 2 includes additional garages, residential, hotel and public buildings. A proposed water main extension has been conceptualized that would be approximately 2.5 miles long and connect the project site to the RCSD public water system. The KHA TM has estimated existing and proposed water demands, fire flow requirements, and a preliminary water main extension route and sizing.

KJ will utilize the existing hydraulic model, developed by KJ for the 2019 RCSD Water Master Plan (WMP), to evaluate the hydraulic impacts of the proposed Phase 1 and 2 Willow Springs Raceway to the existing RCSD water system. The main purpose of the hydraulic evaluation is to determine if the proposed development meets the following criteria:

1. Whether the RCSD wells and distribution system can handle the additional water demands and fire flow requirements
2. Whether the water main extension route and sizing is adequate to deliver the anticipated flow under average day, maximum day with and without fire flow, and peak hour conditions.

It should be noted that the proposed development is not located within RCSD's existing service area and an annexation is required if RCSD were to provide water service.

The results of this analysis will be summarized in a brief technical memorandum (TM). The following tasks are planned under this scope of work:

- Task 1 – Data Review and Model Update
- Task 2 – Hydraulic Model and System Evaluation
- Task 3 – Technical Memorandum (TM)
- Task 4 – Project Management

The following sections detail the scope, requested data, assumptions, and deliverables for each listed task.

Task 1 – Data Review and Model Update

Task 1.1 – Data Review and Model Update

This task includes review of the existing model, the 2019 WMP report, the pipe network, and the future supply and demand scenarios previously modeled and the KHA TM. This task includes identifying any additional improvements made to the RCSD system since the model was prepared for the 2019 WMP; RCSD will provide As-Built drawings of any improvements since the last model update and current water demands and available supplies. The proposed Water Main Extension along Rosamond Blvd to serve Willow Springs will be incorporated into the model as will the estimated Phase 1 and 2 demands from the KHA TM for Willow Springs Raceway for the flow scenarios.

All waterlines will be assigned a material (roughness coefficient) based on the proposed piping. KJ will also assign elevations to the new model nodes based on Google Earth spot elevations.

Assumptions:

- The most recent RCSD hydraulic model is generally accurate and that model updates will be limited to review of new facilities (e.g. pipelines, wells, storage) and global scaling of demands to reflect current conditions since the 2019 WMP model.
- No new model calibration is included which could limit model accuracy.
- RCSD will provide CAD file or PDF drawings of any system upgrades since last hydraulic model update.
- RCSD will provide monthly water delivery data since the last hydraulic model update, a summary of existing demands, and a summary of existing well capacities to bring the existing model to reflect current and planned future conditions.
- The Willow Springs Raceway demand is to be applied at the end of the proposed pipeline; no modeling of infrastructure within the Willow Springs Raceway site is included.
- Hydrants every 2,000 feet will be included for the proposed pipeline along Rosamond Boulevard.

Deliverables:

- A figure with the RCSD existing distribution, supply and storage facilities for Task 3 TM.

Task 2 – Hydraulic Model and System Evaluations

The purpose of this task is to evaluate RCSD's distribution system under the existing peak hour day (PHD) with the addition of demands and maximum day demand (MDD) plus fire flow from the proposed Willow Springs Raceway Phase 1 and Phase 2 Development as defined in the KHA TM. Pipe sizing and fire flow storage volumes provided by KHA will be evaluated to determine whether the sizing is sufficient for RCSD water delivery during PHD conditions and MDD with fire flow conditions. RCSD's existing facilities (wells, storage, and pump stations) will be evaluated to meet the Willow Springs demand.

Task 2.1 – Hydraulic Model Maximum Day Demand Run With and Without Fire Flow

KJ will run up to two hydraulic model scenarios in the hydraulic model updated in Task 1.1 that reflects existing RCSD PHD conditions with both Phase 1 of the proposed development and Phase 2 both of which are outlined in the KHA TM. The initial PHD scenario will include both Phase 1 and Phase 2 utilize existing demands developed by the developer. A second PHD scenario is budgeted so that adjustments to the initial scenario can be made based on the results (e.g. existing RCSD PHD with only Phase 1 or only Phase 2, future RCSD PHD with both Phase 1 and/or Phase 2, etc).

In addition, KJ will run up to hydraulic model MDD plus fire flow scenarios with the Phase 1 and Phase 2 fire flow and Willow Springs Raceway storage assumptions outlined in the KHA TM. The hydraulic model simulations will evaluate the capacity of the RCSD distribution network to deliver the MDD with and without fire flow while meeting pressure and velocity criteria outlined in the 2019 WMP. The initial MDD plus fire scenario will use RCSD's existing MDD plus fire flow and add both Phase 1 and Phase 2 Willow Springs MDD plus fire flow. A second MDD plus fire flow scenario is budgeted so that adjustments to the initial scenario can be made based on the results from the first model run.

Task 2.2 – RCSD System Evaluation

In addition to the distribution system capacity evaluation in Task 2.1, KJ will prepare a summary of RCSD wells, storage and pump stations facilities using the 2019 WMP with RCSD updates and evaluate capacity of wells, storage, and pump stations to meet the RCSD existing and future demand with the addition of the Phase 1 and Phase 2 Willow Springs demand.

Task 2.3 – Summarize Evaluation and Model Outputs

KJ will provide RCSD with four figures presenting the pressures in the RCSD system during PHD conditions and MDD with fire flow with the demands from the proposed development.

Assumptions:

- All model runs will be steady state.

- All model runs will be for existing RCSD demand conditions. Future demand conditions can be modeled under Task 5 – Optional Services.
- RCSD system evaluation will be based on existing RCSD facility and demand information provided by RCSD. No new facility or demand analysis is included.

Deliverables:

- Four (4) summary figures of the pressure in the system under PHD and MDD plus fire flow conditions with the proposed development for Task 3 TM.
- Summary table of RCSD facilities and demands with and without Willow Springs added for Task 3 TM.

Task 3 – Technical Memorandum**Task 3.1 – Draft Technical Memorandum**

KJ will develop a brief TM summarizing the model assumptions and inputs, model scenarios, model outputs, and key conclusions of the analysis. An evaluation will be made of whether the increased demands from the Willow Springs Raceway Development can be met with the existing RCSD supplies and pipelines while also serving current RCSD demands and identify improvements that are needed, if any, to RCSD supplies and pipelines to deliver the Willow Springs Raceway Development demand .

A total of up to four (4) maps will be created of the RCSD system with the proposed pipeline to visualize model output results, focusing on pipeline velocity and system pressures during MDD conditions with and without fire flow.

Task 3.2 – Final Technical Memorandum

KJ will incorporate any comments provided by RCSD staff and produce a final TM for submission to RCSD.

Assumptions:

- RCSD will provide comments within 2 weeks of receiving the Draft TM.

Deliverables:

- Draft TM (PDF)
- Final TM (PDF)

Task 4 – Project Management**Task 4.1 – Project Management**

Project management activities will be performed to maintain the project schedule and budget and communicate progress and issues with RCSD staff. Invoices will be prepared and

submitted to the RCSD monthly. This proposed scope of work assumes a project duration of **3 months**.

Task 4.2 – QA/QC

Quality assurance and quality control (QA/QC) reviews will be performed throughout the course of this project. Work products will be reviewed prior to submittal to RCSD.

Task 4.3 – Meetings

KJ will attend up to two virtual meetings with RCSD staff to kickoff the project and align on assumptions and then to review model results. An agenda, meeting materials, and meeting notes will be prepared for each meeting. Up to three KJ staff will be present at each meeting.

Deliverables:

- Monthly invoice (PDF)
- Meeting agendas, materials, and notes (PDF)

Assumptions:

- It is assumed that the project will be completed within three months of Notice to Proceed.

Task 5 – Optional Services

Task 5.1 – Optional Services

This task is for services not within the above Tasks 1-4 and can include services such as additional meetings, detailed redistribution of existing demands to model nodes, additional model runs, and additional drafts of the TM. A mutually agreed upon scope and budget for optional services will be prepared and authorized by RCSD prior to initiating additional work. A budget of 20 hours is included at this time.

Mr. K. Domingo
Rosamond Community Services District
25 September 2026
Page 6

FEE ESTIMATE

The fee for the proposed scope of work is \$30,729 for Tasks 1-4 and \$5,095 for Task 5 and is based on our January 1, 2026 Schedule of Charges found in Attachment A; a detailed breakdown of the fee is provided in Attachment B. This proposal is valid through December 31, 2026 at which time our schedule of charges will increase.

Thank you for considering us for this work. Please contact me at 650-852-2817 if you have any questions. We look forward to working with you.

Very truly yours,

KENNEDY/JENKS CONSULTANTS, INC.



Sachiko Itagaki, P.E.
Principal in Charge

Attachment A: January 1, 2026 Schedule of Charges
Attachment B: Detailed Fee Breakdown

Client/Address: Rosamond Community Services District
3179 35th Street W
Rosamond, CA 93560-999

Contract/Proposal Date: 9/25/2026

Schedule of Charges

January 1, 2026

PERSONNEL COMPENSATION

Classification	Hourly Rate
Engineer-Scientist-Specialist 1	\$170
Engineer-Scientist-Specialist 2	\$200
Engineer-Scientist-Specialist 3	\$230
Engineer-Scientist-Specialist 4	\$250
Engineer-Scientist-Specialist 5	\$270
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Senior CAD-Designer	\$210
CAD-Designer	\$200
Senior CAD-Technician	\$195
CAD-Technician	\$180
Project Assistant	\$145
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- Maps, photographs, 3rd party reproductions, 3rd party printing, equipment rental, and special supplies related to the work.
- Consultants, soils engineers, surveyors, contractors, and other outside services.
- Rented vehicles, local public transportation and taxis, travel and subsistence.
- Project specific telecommunications and delivery charges.
- Special fees, insurance, permits, and licenses applicable to the work.
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Reimbursement for vehicles used in connection with the work will be at the federally approved mileage rates or at a negotiated monthly rate.

If prevailing wage rates apply, the above billing rates will be adjusted as appropriate.

Overtime for non-exempt employees will be billed at one and a half times the Hourly Rates specified above.

Rates for professional staff for legal proceedings or as expert witnesses will be at rates one and one-half times the Hourly Rates specified above.

Excise and gross receipts taxes, if any, will be added as a direct expense.

The foregoing Schedule of Charges is incorporated into the agreement for the services provided, effective January 1, 2026 through December 31, 2026. After December 31, 2026, invoices will reflect the Schedule of Charges currently in effect.

Exhibit B - Fee Estimate

Proposal Fee Estimate



CLIENT Name: Rosamond Community Services District

PROJECT Description: Hydraulic Modeling Support - Willow Springs Raceway

Proposal/Job Number: B070659

Date: 9/25/2026

January 1, 2026 Rates							
	Eng-Sci-8	Eng-Sci-4	Eng-Sci-3	Project Assistant			
Classification:					Total	Total Labor	Total Labor + Subs + Expenses
Hourly Rate:	\$340	\$250	\$230	\$145	Hours		Fees
Task 1 - Data Review and Model Update							
1.1 Data Review and Model Update	2	4	10		16	\$4,136	\$4,136
Task 1 - Subtotal	2	4	10	0	16	\$4,136	\$4,136
Task 2 - Hydraulic Model Evaluations							
2.1 Hydraulic Model With and without Fire Flow Run	2	8	14		24	\$6,134	\$6,134
2.2 RCSD System Evaluation	2	4	10		16	\$4,136	\$4,136
2.3 Summarize Evaluation and Model Outputs	1	2	6		9	\$2,308	\$2,308
Task 2 - Subtotal	4	14	30	0	40	\$12,577	\$12,577
Task 3 - Technical Memorandum							
3.1 Draft TM	2	6	18	2	28	\$6,883	\$6,883
3.2 Final TM	1	1	6		8	\$2,048	\$2,048
Task 3 - Subtotal	3	7	24	2	36	\$8,931	\$8,931
Task 4 - Project Management							
4.1 Project Management	1	2		4	7	\$1,488	\$1,488
4.2 QA/QC	4				4	\$1,399	\$1,399
4.3 Meetings	2	3	3		8	\$2,198	\$2,198
Task 4 - Subtotal	7	5	3	4	19	\$5,085	\$5,085
Task 5 - As-Needed							
5.1 Optional Services	2	4	14		20	\$5,095	\$5,095
Task 5 - Subtotal	2	4	14	0	20	\$5,095	\$5,095
Tasks 1-4 Total	17	30	67	6	120	\$30,729	\$30,729
Tasks 1-5 Total	19	34	81	6	140	\$35,824	\$35,824

STAFF REPORT

Rosamond Community Services District

DATE: November 3, 2026
TO: Board of Directors
FROM: Kim Domingo, General Manager
Subject: Approve Change Order No. 3 to Mike Bubalo Construction for the WWTP Biosolids Removal Project – Phase 1

Strategic Plan Element Addressed: 5.0 Maintain our Water and Wastewater Systems

RECOMMENDATION:

Approve Change Order No. 3 to Mike Bubalo Construction for the WWTP Biosolids Removal Project – Phase 1 in the amount of \$175,000.00 with a 21-day time extension, and Authorize the President to Execute.

BACKGROUND:

The District Wastewater Treatment Plant operates under Regional Water Quality Control Board, Lahontan Region (Lahontan) Board Order No. R6V-2019-0251 (Order), which includes a time schedule requirement to submit a Work Plan to remove and dispose sludge from the existing evaporation/oxidation ponds by March 1, 2021. A Work Plan was submitted to Lahontan on May 2, 2023 in compliance with the Order. The Work Plan included a time schedule in which the District would complete the removal of the sludge.

A revised Work Plan was submitted to Lahontan on February 6, 2024, modifying the alternatives to be considered and extending the sludge removal deadline to January 31, 2026. An updated Work Plan was submitted to Lahontan on March 24, 2026 extending the sludge removal deadline to September 30, 2027.

On July 23, 2025, the Board adopted Resolution 2025-11, authorizing the solicitation of private financing proposals to fund the project. On October 8, 2025, the Board adopted Resolution 2025-15, approving the execution of loan documents to fund the project. The borrowed amount is \$10,200,000.

On April 8, 2026, the Board approved the bid documents for the project and authorized the advertisement to bid. On June 24, 2026, the Board awarded the construction contract to Mike Bubalo Construction in the amount of \$5,799,000.00, under Capital Project No. 22600.

Change Order No. 1, in the amount of \$502,077.00, was approved by your Board on September 9, 2026. Change Order No. 2, in the amount of \$210,000.00, was approved by your Board on September 23, 2026. Neither change order added time to the contract.

Change Order No. 3 is for the rehabilitation of the embankments of the Overflow Pond at the Wastewater Treatment Plant, which was not included in the original project scope. The Overflow

Pond receives diverted influent during peak flows for return to the plant during off-peak periods. The work consists of moving debris from the Overflow Pond, removing concrete, grubbing the pond invert and removing weeds, with all materials hauled to locations on site designated by the District. No off-site hauling or disposal is included. The contractor anticipates the work can begin the second week of November 2026 and will take three (3) weeks to complete.

The work scope changes amount to an increase in the contract by \$175,000.00 and an extension of 21 days, resulting in a revised contract completion date of February 3, 2027.

ANALYSIS:

Change orders are generally negotiated between the Owner and Contractor. Because Mike Bubalo Construction is mobilized at the plant with the equipment and personnel needed for this type of work, adding the Overflow Pond embankment repairs to the existing contract allows the work to be completed efficiently while the contractor is on site. Staff has reviewed the contractor's proposal and recommends approval of the change order.

FISCAL REVIEW:

The Change Order results in an increase in the contract by \$175,000.00 from \$6,511,077.00 to \$6,686,077.00. There will be an additional change order reducing the contract price due to the bid quantity being approximately half of what was originally estimated. The costs for the project are funded under Capital Project No. 22600 from the secured loan proceeds, and funds are available in the Capital Projects budget to cover this increase in cost.

LEGAL REVIEW:

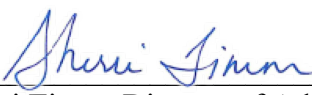
N/A

CONCLUSION:

Approval of Change Order No. 3 is recommended.



Kim Domingo, General Manager



Sherri Timm, Director of Administration

ATTACHMENTS:

Change Order No. 3

CHANGE ORDER

PROJECT:
WWTP Biosolids Removal Project - Phase 1

DATE: 11/3/2026

PROJECT NO.: 22600

CHANGE ORDER NO.: 3

CONTRACTOR:
Mike Bubalo Construction, Inc.
5102 Gayhurst Ave.
Baldwin Park, CA 91706

DESCRIPTION OF CHANGE	ADD	DEDUCT
1. Move debris on site from the Overflow Pond. Remove concrete and haul to location on site. Grub invert and remove weeds to location on site.	\$175,000.00	
CHANGE ORDER NO. 3 TOTAL (ADD)	\$175,000.00	
CHANGE ORDER NO. 2 TOTAL (ADD)	\$210,000.00	
CHANGE ORDER NO. 1 TOTAL (ADD)	\$502,077.00	
ORIGINAL CONTRACT PRICE	\$5,799,000.00	
NEW CONTRACT AMOUNT	\$6,686,077.00	
ORIGINAL CONTRACT COMPLETION DATE	January 13, 2027	
CHANGE ORDER NO. 1	Zero Days	
CHANGE ORDER NO. 2	Zero Days	
CHANGE ORDER NO. 3	21 Days	
REVISED CONTRACT COMPLETION DATE	February 3, 2027	

REASON FOR CHANGE

1. Overflow Pond rehabilitation was not in original scope; Owner directs this scope addition.

Funds are available in the Capital Projects budget to cover this increase in cost.

CONFORMANCE WITH SPECIFICATIONS:

All work shall be done in conformance with the specifications as applied to work of a similar nature.

If the contractor refuses to sign this document, the work listed herein shall be performed on a force account basis.

SUBMITTED BY:

APPROVED BY:

BY: _____
Mike Bubalo Construction, Inc.
Dave Sorem, President

BY: _____
Rosamond Community Services District
Gregory Washington, President, Board of Directors

RECOMMENDED BY:

BY: _____
Rosamond Community Services District
Kim Domingo, General Manager

STAFF REPORT

Rosamond Community Services District

DATE: November 3, 2026
TO: Board of Directors
FROM: Kim Domingo, General Manager
Subject: Approve Indemnity Agreement with the Antelope Valley Watermaster for Approval of a New Point of Groundwater Extraction (Well 10)

Strategic Plan Element Addressed: 5.0 Maintain our Water and Wastewater Systems

RECOMMENDATION:

Approve the Indemnity Agreement in favor of the Antelope Valley Watermaster, required as a condition of the Watermaster's approval of the District's application for a new point of extraction at proposed Well 10 for production of its groundwater rights, and authorize the President to execute the Agreement.

BACKGROUND:

The Antelope Valley Watermaster administers the Antelope Valley Groundwater Cases Final Judgment, Santa Clara Case No. 1-05-CV-049053, signed December 23, 2015 (the "Judgment"). Among its responsibilities, the Watermaster reviews applications for new points of extraction of groundwater in accordance with the Judgment and the Watermaster Rules and Regulations. The District holds groundwater production rights under the Judgment that are documented with the Watermaster.

While the District has adequate water rights and carry-over water storage to supply the community, it currently has only one viable means to withdraw its groundwater supply: Well 9. Well 8 cannot be used alone due to arsenic MCL exceedance, and Wells 8 and 9 both exceed the new Hexavalent Chromium (Cr6) MCL of 10 parts per billion, with compliance required by October 1, 2027. On August 12, 2026, the Board approved Task Order 2026-7 with AECOM for design services for the Well 10 and Interconnection Project, which will equip an existing productive well with excellent water quality and connect it to the District's distribution system. The project will provide groundwater access redundancy and the ability to blend with Well 9 to meet the Cr6 MCL.

In order to produce its groundwater rights from the new well, the District submitted an application to the Watermaster for a new point of extraction (the "Application"). The Watermaster approved the Application as of October 28, 2026, subject to certain conditions, including the requirement that the District execute and deliver an Indemnity Agreement to the Watermaster.

ANALYSIS:

The Agreement is effective as of October 28, 2026, the date of the Watermaster's approval of the Application. Execution of the Agreement is a condition of the Watermaster's approval and is necessary for the District to produce its groundwater rights from the new point of extraction and proceed with the Well 10 and Interconnection Project.

FISCAL REVIEW:

There is no cost associated with the execution of the Agreement unless a claim is brought against the Watermaster related to approving the District's application.

LEGAL REVIEW:

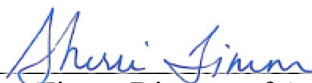
The Agreement has or will be reviewed by District Counsel prior to execution.

CONCLUSION:

The Indemnity Agreement is required by the Watermaster to complete approval of the District's new point of extraction, which supports groundwater supply redundancy and compliance with the Cr6 drinking water standard. Approval is recommended.



Kim Domingo, General Manager



Sherri Timm, Director of Administration

ATTACHMENTS:

Indemnity Agreement – Antelope Valley Watermaster (New Point of Extraction)

INDEMNITY AGREEMENT

THIS INDEMNITY AGREEMENT (this “Agreement”) is made effective as of October 28, 2026, by **Rosamond Community Services District** (“Indemnitor”), TO AND IN FAVOR OF the **Antelope Valley Watermaster** (“Watermaster”).

RECITALS

A. The Watermaster is tasked with administering the Antelope Valley Groundwater Cases Final Judgment, Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015 (the “Judgment”), including but not limited to reviewing applications for new points of extraction of Groundwater as set forth in the Judgment and the Watermaster Rules and Regulations. Capitalized terms used but not defined in this Agreement will have the meanings given to those terms in the Judgment.

B. Indemnitor has requested Watermaster approval of a new point of extraction for Production of its groundwater rights under the Judgment (the “Application”).

C. The Watermaster has approved the Application as of October 28, 2026, subject to certain conditions, including but not limited to the requirement that Indemnitor execute and deliver this Agreement to the Watermaster.

AGREEMENTS

NOW THEREFORE, in consideration of the Watermaster’s approval of the Application, and in consideration of the matters described in the foregoing Recitals, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Indemnitor hereby certifies and agrees as follows:

1. Indemnification. Indemnitor agrees to hold harmless, defend, and indemnify the Watermaster, its directors, officers, agents, attorneys or employees, at Indemnitor’s sole expense, from and against any and all claims, demands, actions, suits or other proceedings brought against the Watermaster, its directors, officers, agents, attorneys or employees arising out of the Watermaster’s approval of the Application (the “Claims.”). Indemnitor’s indemnity obligations provided for hereunder shall apply whenever any claim, action, complaint or suit asserts liability against the Watermaster, its directors, officers, agents, attorneys or employees based upon the Watermaster’s approval of the Application, whether or not Indemnitor is specifically named or otherwise asserted to be liable.

2. Payment of Watermaster’s Expenses. In the event the Claims are pursued against the Watermaster, the Watermaster shall so notify Indemnitor in writing. The Watermaster shall have sole discretion to select the legal counsel to defend the Watermaster in connection with the Claims, at Indemnitor’s sole expense. The parties shall mutually cooperate in good faith to pursue all available defenses to the Claims. Indemnitor shall keep the Watermaster fully informed regarding all activities in the Claims, and the Watermaster shall reasonably cooperate in the defense of such Claims, including the execution of all legal documents reasonably

necessary to properly defend against the Claims. Without limiting the foregoing, Indemnitor acknowledges and agrees that the Watermaster may retain the law firm currently serving as the Watermaster's General Counsel, Price, Postel & Parma, LLP ("PPP"), as legal counsel to defend the Watermaster in connection with the Claims, and that PPP may charge its standard litigation rates in connection with such defense, all of which shall be at Indemnitor's sole expense pursuant to this Agreement.

3. Successors and Assigns. The indemnification contained in this Agreement shall be continuing, irrevocable and binding on Indemnitor and Indemnitor's successors and assigns; and this Agreement shall be binding upon and shall inure to the benefit of Watermaster and Watermaster's successors and assigns.

4. Entire Agreement. This Agreement constitutes the entire Agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements and understandings, both written and oral, between the parties with respect to the subject matter contained in this Agreement.

5. Amendment and Waiver. This Agreement may not be amended except by a writing signed by all parties hereto nor shall observance of any term of this Agreement be waived except with the written consent of the Watermaster.

IN WITNESS WHEREOF, this Agreement has been executed effective as of the date first above written.

INDEMNITOR:

By: _____