



**CITY OF SAN JUAN**  
**LIFT STATION No. 6 RELOCATION PROJECT**  
**RFB NO. 25-005-04-09**  
**ADDENDUM NO. 5**

**Addendum Date: April 15, 2025**

**Notice to Bidders:**

The Request for Bid (RFB) is modified as set forth in this Addendum. The Original RFB documents and any previously issued Addenda remain in effect. This addendum will be part of the contract documents and shall be included with Bid submittal. Non-receipt of addendum by bidder under no circumstances relieves bidder of obligation of compliance with the terms and conditions stated in the addendum.

**Change To Contract Time:**

The contract time has changed from 548 calendar days to **365** calendar days.

**Revision To The Specifications:**

1. Section 00210 Instruction to Bidders: Remove and Replace Entire Section. Contractor to submit complete bid as shown on addendum No. 5.
2. Section 00300 Bid Proposal Form: Remove and Replace Entire Section. Contractor to submit complete bid as shown on addendum No. 5.
3. Section 00410 Agreement: Remove and Replace Entire Section. Contractor to submit complete bid as shown on addendum No. 5.
4. Section 312319 Dewatering has been removed from the specification.

**Revision To The Plans:**

1. Sheet C10 SW3P Detail Sheet. See attached sheet.
2. Sheet L03 Lift Station Site Plan Layout. See attached sheet.
3. Sheet L04 Lift Station Profile Plan Layout. See attached sheet.
4. Sheet L12 Lift Station Details. See attached sheet.
5. Sheet S1 Structural Plan. See attached sheet.
6. Sheet S2 Structural Plan. See attached sheet.
7. Sheet E4.1 Electrical Riser Diagram. See attached sheet.

## Questions:

---

1. Bid items row #4 shows Ground and Surface Water Control, but this item is missing in drawings, we didn't provide takeoff for this item, please clarify.
  - Water Level is given in plans; please see project manual specification Section 01578; submittals will require dewatering and groundwater removal plan signed and sealed by Engineer as part of the submittals. Item No. 4 is required for complete project.
2. Bid items row #25 shows VFD's installation for Self Priming T Series Pump (Circle One), we considered self priming pump price in row #20 and also we considered diesel standby pump cost for this row and we changed the quantity to (1) item, please clarify.
  - Bypass pump will be removed from bid proposal, including pipe manifold connection, placement of pump in vault pit; and be removed from plans. City will be utilizing their own backup diesel pump.
3. Spec, sheet #10 shows section 312319 dewatering, but this section is missing in drawings, we provided takeoff, but didn't apply cost for this item, please clarify.
  - Item No. 4 will address all dewatering for complete project. It will require an engineered dewatering & groundwater control plan signed and sealed by Engineer. Section 312319 will be removed from Project Manual and Section 01578 shall govern.
4. Spec, sheet #9 shows section 09800 painting and coating, but this section is missing in drawings, we assumed an allowance price for this item, please clarify.
  - Please see Section 09800 for paint and coating requirements. This item is to be included in Item No. 18 of Proposal Section 00300.
5. Sheet L04, profile view at grade shows grout bottom to pump intake, but scope of this item is missing in plans, we assumed an area for this item, please clarify.
  - Call out No. 8 on Sheet L04 requires the bottom of the wet well to be sloped with cementitious grout as per plans and is included in Item No. 18.
6. Sheet L12, detail storm runoff protection shows inside lift station site pavement, but type and scope of this pavement is missing in plans, we assumed an area for this item, please clarify.
  - Detail for Storm Runoff Project Detail is for the use of a hurricane fence only and shall be removed from Sheet L12.
7. Scale for structural drawings sheet is missing we calibrate the scale with one of given dimension in plans, please clarify.
  - Lengths of equipment and materials are utilized and called out in structural plans and all drawing are Not to Scale.
8. Sheet S-1, shows 18'x7' vault at the bottom of wet well and dry well, but details & section for this vault is missing in drawings, we assumed a slab on grade and 8'-6" h concrete wall and also grating for this vault, please clarify.

- The slab for the Odor Control (18'x7') is for the top portion of the slab on grade only and is not part of the bottom of the wet well or dry vault pit. This slab shall be constructed of concrete to a thickness of 6" supported with No. 4 rebar and subgrade shall be compacted utilizing caliche to a thickness of 11" to a proctor of 98%.
9. Sheet S-1, shows prop. Steel rung, but spacing or elevation for this rung is missing in drawings, we assumed a lumpsum price for this item, please clarify.
- As per rung design, it shall be placed in 12" segments from the top of slab.
10. Sheet S-1 shows concrete vault for wet well, but details and section for this vault is missing in drawings, we assumed 1'-6" thick and 28'h concrete wall with 2'x2' footing for this vault please clarify.
- All dimensions for wet well and vault pit are shown in Sheet S-2. Slab for wet well is 18" thickness and 12" footing. Vault Pit slab thickness is 18" in thickness. Soils and materials beneath slabs are called out on Sheet L04.
11. Sheet S-2 shows framing plan, but scale for this plan is missing we provided takeoff for this item in sheet S-1 on wet well, please clarify.
- This detail is for the use of a monorail crane; which is not being utilized for this project. The project requires an overhead bridge crane. All crane design shall be provided to Engineer from Manufacturer in submittals and requires an Engineer Plan signed and sealed for any and all types of cranes for this project.
12. Sheet S-2, shows slab in top and bottom of wet well, but scope of this slab is missing in plans, we assumed an area for this item, please clarify.
- Dimensions of Top Slab are given in Sheet L03.
13. Sheet S-2, shows flowable fill all around wet well, but thickness of this fill is missing in drawings, we assumed it 1'-6", please clarify.
- Please see Sheet L04 for dimension of the thickness of the flowable fill and reinforced concrete around the wet well.
14. Sheet S-2, shows 3000 psi reinforced concrete, but thickness of this concrete is missing in drawings, we assumed it 1'-6", please clarify.
- Please see Sheet L04 for dimension of the thickness of the flowable fill and reinforced concrete around the wet well.
15. Sheet S-2, details 1/S2 shows equipment support detail, but size and scope of this item is missing in plans, we assumed a lump sum price for this item, please clarify.
- 1/S2 is for pump support and is as per manufacturer requirements for support of chosen self priming pumps. The manufacturer shall provide their support for their pump in submittals.
16. Sheet S-2, on top of dry well note state: aluminum grating with all stainless-steel support s and panels, but scope of this item is not clear on plans? We assumed an area for grating and panel. And also type and size of steel support for this item is missing, we assumed a lump sum price for this item, please clarify.

- Aluminum grating shall cover the entire dry pit vault and shall be placed in segments for removal in order to service or work in dry vault pit. Contractor is to provide manufacturer drawing and details for submittals and Engineer approval.
17. Sheet S-3, detail #1 shows wall penetration, but size of pipe and also scope of this penetration is missing in plans, we assumed a lump sum price for this item, please clarify.
- Pipe penetration shall be the size of the force main and/or pipe required in plans.
18. Sheet S-3 detail 6/S3 shows joint between wet well and vault, but it is missing in plans we didn't provide takeoff for this item, please clarify.
- Please utilize the size of the top slab and the diameter of the required wet well. Take off will be as per plans required for dimensions.
19. Sheet S-3 detail 6/S3 shows expansion joint between wet well and pad, but it is missing in plans we didn't provide takeoff for this item, please clarify.
- Please utilize the size of the top slab and the diameter of the required wet well. Take off will be as per plans required for dimensions.
20. Sheet S-3 detail 8/S3, hatch frame section note state: see note B, but it is missing in plans we didn't provide takeoff for this item, please clarify.
- Note B shall be removed and the dimensions shall be per manufacturer's requirements for selected hatch.
21. Sheet S-3 detail 9/S3 shows manhole pipe connector, but it is missing in plans we didn't provide takeoff for this item, please clarify.
- This is detail for all size of pipes being placed in existing manhole.
22. Sheet S-5 shows details 13& 14, but these are missing in plans, we didn't provide takeoff for these items, please clarify.
- Detail 13/S5 shall be used for 24" pipe for entry into new wet well. Detail 14/S5 is the coupler used for pipe manifolds for the lift station.
23. What will be the tonnage the crane will support?
- It will be 2-tons.
24. Sheet C8 shows hay bail, but details for this item is missing in drawings, please clarify.
- Will add hay bail detail to sheet C10. See attached.
25. Sheet C10 shows details #2, #3 & #4, but these are missing in plans, we didn't provide takeoff for these items, please clarify.
- Details in SW3P detail sheet are generalized. If detail not needed do not consider part of your bid.
26. Sheet C29, shows demolition plan, but design drawings and details are missing, we assumed a lump sum price for the each item and price need to be confirmed.
- Demolition is included in revised Section 00300 Bid Proposal Form; Item No. 31. See attached.
27. Sheet C30, shows culvert, but type and size of this culvert is missing in drawings, we assumed an allowance for this item, please clarify.

- As discussed in the pre bid meeting, any existing structures that need to be removed and replaced need to be of equal material.
28. Sheet E3.0, key note #3 state: coordinate with local utility to provide new overhead secondary, but size of this overhead wire is missing in drawings, please clarify.
- Service drop shall be by local utility company (Magic Valley Electric Cooperative). Refer to utility electric service standards for details.
29. Sheet E4.1 riser diagram shows grounding, but it is missing in plans, we assumed an allowance price for this item, please clarify.
- For generator grounding, provide 1#1/0 copper in 3/4" conduit grounding electrode conductor and two 3/4" diameter x 8' copper clad grounding rods at a minimum of 6' apart. Rerer to NEC for grounding requirements of a separately derived system. If referring to keynote #21, grounding shall be per local utility company (MVEC) standards. #6 copper ground wire in 1/2" non metallic conduit from meter to ground rod (grounding electrode: 5/8" x 8' copper weld ground rod) to be verified with local utility company prior to installation.
30. Sheet E4.1 riser diagram shows proposed utility pole, but size and type of this pole is missing in drawings, we assumed an allowance price for this item, please clarify.
- Preferred pole is 18' class 6 or 7 wood pole. Refer to utility electric service standards for details. Verify with local utility company (MVEC) prior to bidding.

**Acknowledgement by Respondent:**

Respondents shall acknowledge receipt of this Addendum No. 4. Submit Completed Addendum with Statement of Bid. Failure to acknowledge receipt of this addendum may render your bid "Incomplete".



A handwritten signature in blue ink that reads "Ricardo Salazar".

Trimad Consultants, L.L.C.  
Texas Firm No. 18526

\_\_\_\_\_  
Signature of Respondent

\_\_\_\_\_  
Date

**END OF ADDENDUM**



**SECTION 00210**  
**INSTRUCTIONS TO BIDDERS**

**PART 1 – GENERAL**

**1.01 SECTION INCLUDES**

- A. This section contains the instructions to bidders for the project.

**1.02 DEFINITIONS**

- A. Refer to Section 00700

**1.03 DOCUMENTS**

- A. Contract documents, including Drawings and Specifications are provided by submitting a nonrefundable check for the amount of \$150.00 to Trimad Consultants, LLC located at 1803 Mozelle St., Pharr, Texas 78577 or by calling (956) 688-8860 or by emailing your request to [admin@trimadstx.com](mailto:admin@trimadstx.com).
- B. Bidder should thoroughly examine and become familiar with the Bid Solicitation/Contract Documents, including, but not limited to, the plans, specifications, and any issued addendum(s). By execution of the Contract, the Bidder (Contractor) shall be responsible for any and all obligations under the Contract and failure by Contractor to become acquainted with the Contract Documents will not relieve Contractor from such obligations.

**1.04 ADDENDA AND INTERPRETATIONS**

- A. No interpretations of the meaning of plans, specifications, or other bid solicitation documents will be made orally to any bidder. Every request for such interpretation should be emailed to [lmaldonado@sjtx.com](mailto:lmaldonado@sjtx.com) and must be received at least five (5) days prior to the date fixed for opening of bids to be given consideration. Any and all such interpretations and any supplemental information will be in the form of written addenda to the specifications which, if issued, will be sent via facsimile, mailed by regular mail, and/or emailed. All addenda shall be posted on our website and emailed to the respective bidder no later than two (2) days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addenda or interpretation shall not relieve such bidder from any obligation under this bid as submitted. All addenda so issued shall become part of the contract documents.

**1.05 NOTICES**

- A. The City of San Juan (Owner) reserves the right to accept or reject bids submitted waive formalities in bidding, accept the bid deemed most advantageous to the City of San Juan.
- B. Bids may be held by the Owner for a period not to exceed ninety (90) days from the date of the bid opening for the purpose of reviewing the bids and investigating the bidder's qualifications prior to the contract award.

- C. The Owner is an Affirmative Action and Equal Opportunity Employer.
- D. Small and Minority Firms are encouraged to submit bids for this project.

#### **1.06 PREPARATION OF BID AND USE OF SEPARATE BID FORMS:**

- A. These Contract and Specifications includes a complete set of bidding forms which are for the convenience of the bidders. Bid forms furnished in this document shall be copied by the bidder and should be filled in and submitted with all values completed in ink.
- B. The use of Subcontractors is allowed; however, the bidder is specifically advised that any person, firm, or other party to whom it is to award a subcontract under this contract must be acceptable to the owner.

#### **1.07 MODIFICATION**

- A. Bidder shall modify bid by fax or other method at any time prior to the scheduled closing time for receipt of bids.

#### **1.08 METHOD OF BIDDING (UNIT PRICES) WHERE APPLICABLE:**

- A. The unit prices for each of the several items in the proposal of each bidder shall include its pro-rata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price bid represents the total bid. Any bid not conforming to the requirement may be rejected as informal. The special attention of all bidders is called to this provision, for should conditions make it necessary to revise the quantities, no limit will be fixed for such increases or decreases in quantities, nor extra compensation allowed, provided the monetary value of all such additive and subtractive changes in quantities of such items for work (i.e. difference in cost) shall not increase or decrease the original contract price by more than twenty-five (25%) percent, except for work not covered in the drawings and technical specifications and Standard General Conditions for Construction Contract of agreement.

#### **1.09 BASIS OF PROPOSALS AND SELECTION CRITERIA**

- A. The City of San Juan, City Commission has authorized the use of the Competitive Sealed Proposal method of solicitation. The following criteria and scoring matrix is hereby incorporated: The City of San Juan reserves the right to apply all criteria as deemed appropriate and allowed in Texas Local Government Code 252 and 2269. Including but not limited to the below, and other relevant factors specifically denoted in the solicitation package. The City of San Juan specifically requests offerors to answer and provide information related to the following criteria. Questions left unanswered or omitted requested information may result in a partial or total reduction of allocated points.



1. **(45 POINTS) - PRICE:** The quality of Offerors is not judged solely by a low initial cost proposal or, conversely, eliminated solely because of a high initial cost proposal. The following is the formula used when determining price as a factor for construction contract proposals. The lowest proposal price of all the proposals becomes the standard by which all price proposals are evaluated. One at a time, each proposal is evaluated by taking the lowest proposal price and dividing it by the price of the proposal being evaluated. That fraction is then multiplied by the maximum point value of the price factor for the price score. For Example:  $(\text{Lowest Price} / \text{Current Proposal Price}) \times \text{Maximum Point Value} = \text{Price Score}$ .
2. **(30 POINTS) - CONTRACTOR QUALIFICATIONS/REFERENCES:** When evaluating a contractor's qualifications, the City uses the "Contractor's Statement of Qualifications" and corresponding references attached within and past experience with the contractor. The City may also interview the job superintendent at a time to be named after receipt of proposals. This criterion is subjectively evaluated, and the formula is as follows: (Points = Score) with a maximum of thirty points allowable. Each evaluator assigns points based upon the responses the contractor provides in the "Contractor's Statement of Qualifications" And any past experience with the contractor. The "Contractor's Statement of Qualifications" is a minimum, and you may provide additional pertinent information relevant to the project for which you are submitting this proposal.
3. **(15 POINTS) - SAFETY INFORMATION FOR PRIME CONTRACTOR AND KEY SUBCONTRACTOR(S):** This criterion is also more subjectively evaluated, and the formula is as follows: (Points = Score) with a maximum of fifteen points allowable. Each evaluator assigns points based upon the responses you provide in your "Safety Record Questionnaire" and the Contractors Experience Modification Ratio (EMR). Contractors with an EMR greater than 1.0, as well as those Contractors not submitting EMRs, will receive zero points for this portion of the selection criteria. The City may consider any incidence involving worker safety or safety of San Juan residents, be it related or caused by environmental, mechanical, operational, supervision or any other cause or factor under the contractor's control. Evaluators base their rating primarily upon how well you document previous offenses with the date of the offense, location where the offense occurred, type of offense, final disposition of the offense, and any penalty assessed as well as the EMR.
  - A. PROVIDE records showing Total Recordable Incident Rate (TRIR) for each year for the past five (5) years for the Prime Contractor and Key Subcontractor(s).
  - B. Provide records showing the company's Experience Modification Rate (EMR) for the past three years for the Prime Contractor and Key Subcontractor(s).
  - C. List any fatalities in the company's safety history for the Prime Contractor and Key Subcontractor(s)

**4. (10 POINTS) - FINANCIAL STRENGTH**

- A. On a separate sheet, attach your company's current financial statement.
- B. Has your company ever filed bankruptcy?
- C. Are there any judgments, claims, mediation proceedings, arbitration proceedings or suits pending or outstanding against your organization or its officers? If yes, attach details.

**1.10 SELECTION**

- A. Selection shall be based on the responsible offeror whose proposal is determined to be the most advantageous to the City of San Juan considering the relative importance of evaluation factors included in this RFP.
- B. NO INDIVIDUAL OF ANY USING DEPARTMENT (CITY OF SAN JUAN UTILITIES OR OTHER) HAS THE AUTHORITY TO LEGALLY AND/OR FINANCIALLY COMMIT THE CITY TO ANY CONTRACT, AGREEMENT OR PURCHASE ORDER FOR GOODS OR SERVICES, UNLESS SPECIFICALLY SANCTIONED BY THE REQUIREMENTS OF THIS REQUEST FOR PROPOSAL.
- C. The City shall select the offeror the best value for the City based on the published section criteria and on its ranking evaluation. The City shall first attempt to negotiate the contract with the selected offeror. The City and its engineer or architect may discuss with the selected offeror options for a scope or time modification and any price change associated with the modification. If the City is unable to negotiate a contract with the selected offeror, the City shall, formally and in writing, end negotiations with that offeror and proceed to the next offeror in the order of the selection ranking until contract is reached or all proposals are rejected.
- D. In determining the best value for the City, the City is not restricted to considering the price alone but may consider any other factor stated in the selected criteria.
- E. Bidders must include all allowances, deductive, add, and/or alternative bid pricing as specified.
- F. If there is a discrepancy between prices quoted by written words or figures, the price quoted by words will govern.
- G. A Proposal will be subject to being considered irregular and may be rejected if it shows omissions, alterations of form, conditional alternate proposals, additions, or alternates in lieu of the items specified, if the unit prices are obviously unbalanced (either in excess of or below reasonable expected values), or irregularities of any kind.

**1.11 BID GUARANTEE**

- A. Each bidder shall furnish a bid guarantee equivalent to five (5) percent (%) of the bid price (Water Code 17.183) by certified check, certified cashier's check, or a bid bond. If a bid bond is provided, the Contractor shall utilize a surety company which is authorized to do business in Texas in accordance with Surety Bonds and Related Instruments, Chapter 3503 of the Insurance Code.
- B. Such certified checks, cashier's checks, or bid bonds will be returned to all except the three lowest bidders within five (5) days after the opening of the bids, and the remaining certified

checks, cashier's checks, and bid bonds will be returned promptly after the Owner and the accepted bidder have executed the contract or if no award has been made, within ninety (90) days after the date of the opening of the bids, upon demand of the bidder at any time thereafter, so long as he has not been notified of the acceptance of his bid.

- C. Liquidated damages for failure to enter this contract: The successful bidder, upon his failure or refusal to execute and deliver the contract and insurance certificates required within ten (10) days after he has received notice of the acceptance of his bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with his bid.

## **1.12 PROJECT BONDING**

- A. On all contracts that will equal to or exceed \$100,000.00, the performance bond and the payment bond must be provided from a surety that is licensed in the State of Texas.
- B. In the event that the contract amount total(s) \$50,000 or less, the successful contractor has the option to enter into a single payment with the City of San Juan in lieu of a Performance Bond, provided that no money shall be paid to the contractor until completion of the work by the contractor and acceptance of same by the City of San Juan. In the event that the total amount bid is \$25,000 or less, the successful contractor has the option to enter into a single payment contract with the City of San Juan in lieu of a Payment and Performance Bond(s).
- C. Required performance bond must be written in the amount of 100% of the Contract amount.
- D. Required payment bond must be written in the amount of 100% of the Contract amount.
- E. All project(s) stemming from this contract will require a warranty on maintenance and defects to begin at acceptance of the project(s) and for the duration of a minimum of one (1) year unless otherwise noted for a longer term.

## **1.13 TIME OF COMPLETION AND LIQUIDATED DAMAGES:**

- A. Bidder must agree to commence work within **ten (10) days** of the written "Notice to Proceed" from the Owner and to complete the project within **three hundred and sixty-five (365) calendar days** thereafter.
- B. Bidder must agree also to pay as liquidated damages the sum of **five hundred and fifty (\$550.00) dollars** per day for each consecutive calendar day thereafter as provided in the general conditions.

## **1.14 CONDITIONS OF WORK:**

- A. Each bidder must inform himself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of his contract. Insofar as possible, the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of, or interference with, the work of any other Contractor.

### **1.15 INSPECTION OF SITE:**

- A. Bidder should visit the site(s) of the proposed work and become fully acquainted with the existing conditions of the site and facilities involved, with a special consideration to the difficulties and restrictions attending the performance of the Contract.

### **1.16 PAYMENT REQUESTS**

- A. Contractor shall be expected to invoice the City of San Juan, at the awarded unit price(s), on a per project basis for completed items. All invoices shall reflect appropriate Purchase Order Number(s) as designated by the Purchasing Department.
- B. Contractor shall be expected to state on the request for payment (invoice) the Purchase Order Number, Project Number, Title of Project, the date(s) work was performed, the proper address where the work was performed, the type of work performed (line-item descriptions), the quantity of work as per unit of measure, the unit price, and extended cost.

### **1.17 AUDIT**

- A. The City of San Juan reserves the right to audit the bidder's books and records relating to the performance of this contract. The City of San Juan, at its own expense, shall have the right at all reasonable times during normal business hours and upon at least twenty-four (24) hours' advance notice, to audit, to examine, and to make copies of or extracts from the books of account and records maintained by the vendor(s) with respect to the Supply/Service and/or Purchase Contract. If such audit shall disclose overpayment by City to vendor, written notice of such overpayment shall be provided to the vendor and the amount of overpayment shall be promptly reimbursed by vendor to the City. In the event any such overpayment is not paid within ten (10) business working days after receipt of such notice, the unpaid amount of such overpayment shall bear interest at the rate of one percent (1%) per month from the date of such notice until paid.

### **1.18 WORKING DAYS**

- A. Working Days - working days, except Saturdays, Sundays and City recognized holidays, if weather or other conditions permit the performance of the principal unit of work underway, as determined by the Engineer, for a continuous period of at least 7 hours between 7:00 a.m. and 6:00 p.m.

### **1.19 RELATED DOCUMENTS**

- A. Form of proposal
- B. Schedule of unit price work
- C. Post bid procedures
- D. Agreement
- E. General conditions
- F. Supplementary conditions

### **1.20 CHAPTER 2252.12 TEXAS GOVERNMENT CODE**

**TEXAS GOVERNMENT CODE CHAPTER 2252.152 CONTRACTS WITH COMPANIES ENGAGED IN BUSINESS IN IRAN, SUDAN, OR FOREIGN TERRORIST ORGANIZATION PROHIBITED**

- A. In accordance with Chapter 2252.152 of the Texas Government Code, Bidder is to acknowledge that Bidder does not engage in business with Iran, Sudan or any foreign terrorist organization and Bidder is not listed by the Texas Comptroller as a terrorist organization.

**1.21 CHAPTER 2270 TEXAS GOVERNMENT CODE**

**TEXAS GOVERNMENT CODE CHAPTER 2270 PROHIBITION ON CONTRACTS WITH COMPANIES BOYCOTTING ISRAEL**

- A. "In accordance with Chapter 2270, Texas Government Code, a government entity may not enter into a contract with a company for goods and services unless the contract contains a written verification from the company that it: (1) does not boycott Israel; and (2) will not boycott Israel during the term of this contract.

Sample wording: "Bidder hereby Acknowledges the Prohibition of Contracts with Foreign Terrorist Organizations and with the Boycotting of Israel. The signatory executing this contract of behalf of the company hereby verifies that the company is not on the Texas Comptroller's list of terrorist organizations, is not engaged in the business with Iran, Sudan or any foreign terrorist organization and will not boycott Israel throughout the term of this contract." (To be submitted on company letterhead with authorized signor(s) signature(s)).

**1.22 CHAPTER 2253 TEXAS GOVERNMENT CODE – RETAINAGE**

- A. All Contract pay applications shall bear a retainage of five (5) percent (%) on each partial disbursement.

**1.23 CONDITIONS OF WORK**

- A. Each bidder must inform himself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of his contract. Insofar as possible, the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of, or interference with, the work of any other Contractor.

**1.24 EXPERIENCE AND WORKFORCE**

- A. Bidder shall have experience, human resources, and access to the equipment necessary for performing the project work. In addition, it is required that a minimum of 60% of the project be completed by the bidders' own workforce.

**1.25 SUBSTITUTIONS OF MERAIL/EQUIPMENT**

- A. No substitutions will be considered on this project during the bidding period, voluntary substitutions by the bidder will not be considered.

## **1.26 CHAPTER 2253 TEXAS GOVERNMENT CODE – RETAINAGE**

- A. All Contract pay applications shall bear a retainage of five (5) percent (%) on each partial disbursement.

## **1.27 CONDITIONS OF WORK**

- A. Each bidder must inform himself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of his contract. Insofar as possible, the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of, or interference with, the work of any other Contractor.

## **1.28 ADDENDA**

- A. Addenda issued to Bidding Requirements are applicable only during the bidding period. Addenda to the Post-Bid Procedures are applicable only through the issuance of the Notice to Proceed. Any Addenda used to Contract Forms, Conditions of the Contract, Specifications or Drawings become a part of the Contract Documents. Include resultant costs in the Total Bid Price.
- B. Addenda will be issued by the Engineer to potential Bidders of Record by email transmission. **Potential Bidders of Record are those that have purchased bid documents.**
- C. Each Bidder shall ascertain, prior to submitting a Bid, that the Bidder has received all Addenda issued. The Bidder shall acknowledge their receipt in the place indicated in Document 00300 – Bid Proposal Form.

**END OF SECTION**

**SECTION 00300  
BID PROPOSAL FORM**

**CITY OF SAN JUAN  
LIFT STATION NO.6 RELOCATION PROJECT  
PROJECT NO. 25-005-04-09**

**BID OPENING: APRIL 16, 2025 AT 3:00, P.M.**

TO: OWNER (CITY OF SAN JUAN)

The undersigned, as bidders, declares that the only person or parties interested in this proposal as principals are those named herein, that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the form of contract, Notice of Contractors, specifications and plans thereon referred to, and has carefully examined the plans, specifications, locations, and conditions and classes of materials of the proposed work; and agrees that he will provide all the necessary labor, machinery, tools, and apparatus, and other incidental to construction, and will do all the work and furnish all the materials called for in the contract and specifications in the manner prescribed therein and according to the requirements of the Engineer/Architect as therein set forth.

It is further agreed that quantities of work to be done at unit prices and materials to be furnished may be increased or diminished as may be considered necessary, in the opinion of the Engineer, to complete the contemplated, and that quantities of work, whether increased or decreased are to be performed at the unit price set forth below or as provided in the Specifications.

It is further agreed that the lump sum prices may be increased to cover additional work ordered by the Engineer and approved by the Owner, but not shown on the Plans or required by the Specifications, in accordance with the provisions of the General Conditions. Similarly, they may be decreased to cover deletion of work so ordered.

It is understood that the Owner reserves the right to reject any and all bids.

Bidders are advised that Formal Sealed Bids are to be submitted at the Purchasing Department of San Juan City Hall. As previously instructed via Invitation, Notice to Bidders, Instructions to Bidders, and at the Pre-Bid Conference, Bidders can go online to the City of San Juan web site address: [www.sjtx.us](http://www.sjtx.us) to download any and all related project documents, or may contain copies of same by contacting the office of Lori A. Maldonado, Purchasing Agent. Located at 709 S. Nebraska Avenue., San Juan, Texas 78589 or by calling (956) 223-2204 or by emailing your request to [lmaldonado@sjtx.us](mailto:lmaldonado@sjtx.us). Kindly submit your **Bid** Submittal to the Purchasing Department of San Juan City Hall on or before the Bid Opening date and time.

Accompanying this proposal is a five (5) percent (%) of the bid price by certified check, or cashier's check or bid bond payable to the City of San Juan.



## BID PROPOSAL

The bid security accompanying shall be returned to the bidder, unless in case of the acceptance of the proposal, the bidder shall fail to execute a Contract and file a performance and payment bond within ten (10) days after its acceptance, in which case the bid security shall become the property of the City of San Juan and shall be considered as payment for damages due to delay and other inconveniences suffered by the OWNER on account of such failure of the bidder.

### ***ENGINEER'S/ARCHITECT ESTIMATE OF QUANTITIES – APPROXIMATELY ONLY***

Bidder agrees to perform all work described in the specifications and shown on the plans, for the following prices:

**TABLE 1 BID ITEMS:**

ITEM NO.	SECTION NO.	ITEM DESCRIPTION	UNIT	UNIT QTY	UNIT PRICE	TOTAL
1	02233	Clearing and Grubbing	LS	1		
2	01745	Site Restoration	LS	1		
3	01574, 01577	Erosion and Sedimentation Control	LS	1		
4	01578	Ground and Surface Water Control	LS	1		
5	01561	Trench Excavation Safety Protection (4' to 8')	LF	102		
6	01561	Trench Excavation Safety Protection (12' to 16')	LF	1162		
7	01561	Trench Excavation Safety Protection (20' to 24')	LF	1509		
8	02509	24-Inch PVC (SDR 26) Gravity Sanitary Sewer Line (12' to 14'), complete in place	LF	862		
9	02509	24-Inch PVC (SDR 26) Gravity Sanitary Sewer Line (14' to 16'), complete in place	LF	300		
10	02509	24-Inch PVC (SDR 26) Gravity Sanitary Sewer Line (20' to 22'), complete in place	LF	192		
11	02082	48-Inch Dia. Sanitary Sewer Manholes (8' to 12'), complete in place	EA	1		
12	02082	48-Inch Dia. Sanitary Sewer Manholes (12' to 16'), complete in place	EA	2		
13	02082	48-Inch Dia. Sanitary Sewer Manholes (20' to 22'), complete in place	EA	3		

14	02082	60-Inch Dia. Drop Sanitary Sewer Manholes (18' to 22'), complete in place	EA	2		
15	02082	Tie to Existing Manhole, complete in place	EA	1		
16		24-Inch Cap, complete in place	EA	1		
17		12-Inch Cap, complete in place	EA	1		
18		Installation of a new lift station. Lift Station to a depth of as per Plans and Specifications, power pole and electrical service, yellowmine discharge pipe and certalok plastic fittings to install yellowmine discharge pipe in wetwell, control panels, generator plug; 8' fencing and two (2) 12' wide galvanized gates per plans and specifications, fiberglass 19'-9" diameter wetwell with all penetrations made during manufacturing; with approved analog telemetry and service for 3 years transferable to the City of San Juan, electrical power (3-Phase) 480V and all panels (stainless) and racks; generator plug; safety hatches per pump manufacturer and per plans and specifications, steel pipe manifold with protective coatings and paint and air release valves, gate valves, ductile iron force main and fittings, gauges, as per plans and specifications; by pass pumping and dewatering included; any and all startup requirements for power, water, disposal, trucking to be included in pricing, complete in place	LS	1		
19		Self Priming Pumps (4) four, with discharge pipe and supports; complete in place.	EA	4		
20		VFD's installation for Self Priming Pump	EA	4		
21		Provide and install Biotrickling Odor Control System and all necessary components as per plans and specifications; including all labor,	LS	1		

		materials, and incidentals in order to construction and install fully operational odor control system; and items not on plans or specifications for fully operational system; complete in place.				
22	02509	12-Inch PVC (C-900) Force Main, complete in place	LF	102		
23		Bore & 24-Inch Steel Casing, complete in place	LF	30		
24	02509	12-Inch 45 Degree Elbow, complete in place	EA	2		
25	05105	2-Inch Air Release Valve, complete in place	EA	1		
26	02745	Hot Mix Asphalt (2-Inch), complete in place	SY	70		
27	02717	8-Inch Flex Base, complete in place	SY	70		
28		8-Inch Subgrade Lime Stabilized, complete in place	SY	70		
29	01555	Traffic Control, complete in place	LS	1		
30	01020	Mobilization and Demobilization	LS	1		
31		Demolition of Existing Lift Station. All appurtenances are included as per plans.	LS	1		

ITEM NO.	SECTION NO.	ITEM DESCRIPTION	UNIT	UNIT QTY	UNIT PRICE	TOTAL
ALLOWANCES						
32		Betterment	ALW	1	\$250,000	\$250,000

BID ITEMS (1-32) – BASE BID: \$\_\_\_\_\_ (IN FIGURES)

## **SUMMARY BID TABULATION**

**TABLE 1 – BID ITEMS 1-32**

**TOTAL AMOUNT OF BID (ITEMS 1-32) \$**\_\_\_\_\_

**TOTAL AMOUNT OF BID (ITEMS 1-32 WRITTEN):** \_\_\_\_\_

**TABLE 2 ALTERNATIVE BID ITEMS:**

ITEM NO.	SECTION NO.	ITEM DESCRIPTION	UNIT	UNIT QTY	UNIT PRICE	TOTAL
1	02509	24-Inch PVC (SDR 26) Gravity Sanitary Sewer Line (20' to 22'), complete in place. <i>*If 24-Inch PVC (SDR 26) Gravity Sewer Line is not awarded, a 20-foot segment of stub-out and cap will be installed at Manhole B3. No additional cost will be added for stub-out and cap as it will be part of the manhole installation.</i>	LF	1317		
2		Installation of Atlas Copco PAC F66 Diesel Self Priming Backup Pump with all fittings, full tank of diesel; startup; manuals, 3 year warranty, complete in place.	LS	1		
3		Provide and install Overhead Bridge Crane; 2-Ton Capacity; utilizing steel construction with paint for corrosive use as per manufacturer; including 2 trolleys; electric lift with cables (SS); cable controls; panels, electrical components, footings, anchors, all labor for installation; fully functional for 4 pumps; including items not mentioned for fully functional system; complete in place.	LS	1		

ALTERNATIVE BID ITEMS (1-3) – BASE BID: \$\_\_\_\_\_ (IN FIGURES)

## **SUMMARY BID TABULATION**

**TABLE 2 – ALTERNATIVE BID ITEMS 1-3**

**TOTAL AMOUNT OF BID (ITEMS 1-3) \$**\_\_\_\_\_

**TOTAL AMOUNT OF BID (ITEMS 1-3 WRITTEN):** \_\_\_\_\_

In the event of the award of a Contract to the undersigned, the undersigned will furnish a performance and payment bond for the full amount of the Contract, to secure proper compliance with the terms and provisions of the Contract, to insure and guarantee payment of all lawful claims for performed labor performed and materials furnished in the fulfillment of this Contract. The proposed work to be done shall be accepted when

fully completed and finished in accordance with the Plan and Specifications to the satisfaction of the Engineer.

The undersigned certifies that the bid prices contained in this Proposal have been carefully checked and are submitted as correct and final.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of ninety (90) days after the scheduled closing for receiving bids.

Unit and lump sum prices must be shown in figures for each item listed in the Bid Proposal form. Should bid prices on any item be omitted, the right is reserved to apply to the lowest prices submitted by and other bidders for the omitted items in payment for work done under this Proposal. In the event of discrepancies, the Owner reserves the right to accept or reject formalities.

The undersigned agrees, unless hereinafter stated otherwise to furnish all materials as shown on the Specification and Detail sheets.

Bidder hereby agrees to commence work under this contract within **ten (10) days** after the Notice to Proceed is issued and complete work within **three hundred and sixty-five (365) Calendar Days**.

Receipt is hereby acknowledged of the following agenda to the Contract Document.

Addendum No. 1 dated: \_\_\_\_\_

Received: \_\_\_\_\_

Addendum No. 2 dated: \_\_\_\_\_

Received: \_\_\_\_\_

Addendum No. 3 dated: \_\_\_\_\_

Received: \_\_\_\_\_

Addendum No. 4 dated: \_\_\_\_\_

Received: \_\_\_\_\_

Addendum No. 5 dated: \_\_\_\_\_

Received: \_\_\_\_\_

Bidder agrees that the Owner has the right to accept or reject any or all bids to waive any or all formalities.

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

Respectfully submitted:

\_\_\_\_\_

Authorized Signor:

\_\_\_\_\_

Type/Print Name (Authorized Signor):

\_\_\_\_\_

Title:

\_\_\_\_\_

Legal Company Name:

\_\_\_\_\_

Address:

\_\_\_\_\_

City, State and Zip Code:

\_\_\_\_\_

Business Phone:

\_\_\_\_\_

Cell Number:

\_\_\_\_\_

Email Address:

\_\_\_\_\_

(Seal – If bidder is a corporation)

**SECTION 00410  
AGREEMENT**

STATE OF TEXAS  
COUNTY OF HIDALGO

THIS AGREEMENT made and entered into this the \_\_\_\_ day of \_\_\_\_\_, 202\_\_, by and between **THE CITY OF SAN JUAN** of the State of Texas, acting through Mayor of the City of San Juan thereunto duly authorized to do so, Party of the First Part, hereinafter called OWNER, and \_\_\_\_\_, Party of the Second Part hereinafter termed CONTRACTOR.

WITNESSETH, that the Contractor and Owner for consideration hereinafter named agree as follows:

**ARTICLE 1. SCOPE OF WORK:**

The contractor shall under the terms stated in the general conditions furnish all materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories shown on the addendum's, drawings as described in the specifications for the following project:

**CITY OF SAN JUAN  
LIFT STATION NO. 6 RELOCATION PROJECT  
PROJECT NO. 25-005-04-09**

**ARTICLE 2. INSURANCE AND BONDS:**

The Contractor, according to the specifications, shall provide Performance and Payment Bonds and Insurance during the duration of the project.

**ARTICLE 3: TIME OF COMPLETION:**

The owner shall provide a Notice to Proceed in which a date of commencement of the work shall be stated; such commencement date shall be **ten (10) days** after the date of the notice. The Contractor shall achieve substantial completion of the work within **three hundred and sixty-five (365) Calendar Days** for initial task order after such commencement date (future task orders shall express commencement date & completion date "as needed") and completion within **three hundred and ninety-five (395) Calendar Days** after the substantial completion. The completion date may be extended by approved Change Orders.

If the Contractor fails to complete this contract on the calendar days specified, the time charge will be made for each calendar day thereafter.

The time set forth in the proposal for the completion of the work is an essential element of the contract. For each calendar day in addition to the calendar days herein before stated as extended by the Owner, the amount per day given in the following schedule will be deducted from the money due or to become due to the Contractor not as a penalty, but as an added expense for Engineering/Architectural supervision.



#### ARTICLE 4: SCOPE OF WORK AND CONTRACT SUM:

The Contractor hereby agrees to furnish all of the materials and all of the equipment and labor necessary and to perform all of the work shown on the drawing and described in the specifications for the:

**PROJECT NO. 25-005-04-09** project entitled **CITY OF SAN JUAN LIFT STATION NO. 6 RELOCATION** for

the contract amount of \_\_\_\_\_ (Written  
in Words) \$ \_\_\_\_\_ (Number).

(A) Drawings prepared for same by **Ricardo Salazar, P.E.**

(B) Specifications consisting of:

1. “Standard General Specifications” issued by the CITY OF SAN JUAN and is issued in the contract documents.
2. The “General Conditions for Engineering/Architectural Construction”.
3. Addenda

NO. \_\_\_\_\_ DATED: \_\_\_\_\_

NO. \_\_\_\_\_ DATED: \_\_\_\_\_

NO. \_\_\_\_\_ DATED: \_\_\_\_\_

NO. \_\_\_\_\_ DATED: \_\_\_\_\_

4. Acknowledgement and acceptance of “Supplemental Construction Contract Conditions of the Specification Manual.

## ARTICLE 5. AWARD OF CONTRACT

This Agreement is a contract of the services of Construction and Contractor's interest in this Agreement, duties hereunder and/or fees due hereunder may not be assigned or delegated to a third party.

This Agreement supersedes all prior agreements, written or oral, between Contractor and Owner and shall constitute the entire Agreement and understanding between parties with respect to the project. This Agreement and each of its provisions shall be binding upon the parties and may not be waived, modified, amended, or altered except in writing signed by Contractor and Owner.

BY SIGNING BELOW, the parties have executed and bound themselves to this Agreement as of the day and year first above written.

### CONTRACTOR

By: \_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Name – Title)

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

### ATTEST:

By: \_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Name – Title)

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

### CITY OF SAN JUAN

By: \_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Name – Title)

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

### ATTEST:

By: \_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Name – Title)

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

## END OF SECTION

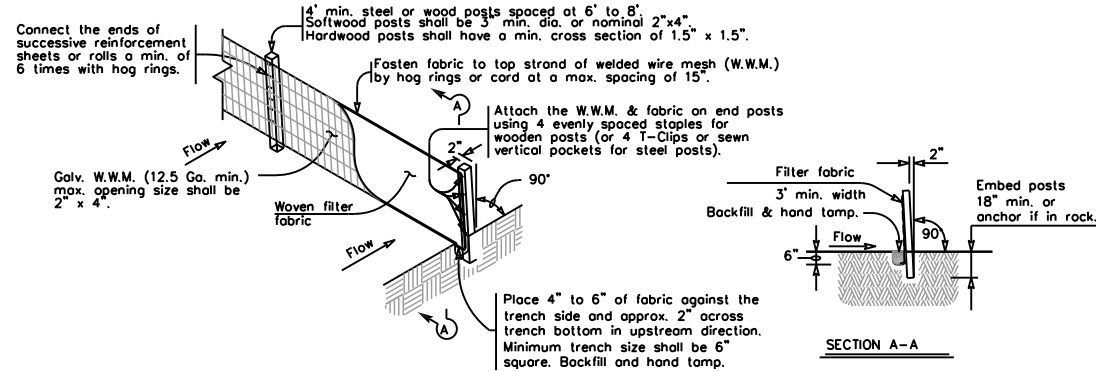
File: \\TS34-100F06\Trimad\CADD\CIVIL 3D\SAN JUAN\2023\ENG.23.016 - LIFT STATION #6 RELOCATION\DRAWINGS\10. SW3P-DETAILS.dwg  
Last saved by: Ricardo Salazar  
Last plotted by: Ricardo Salazar  
Plot Date: 4/15/2025 10:29 AM

#### PLAN SHEET LEGEND

Sediment Control Fence — SCF

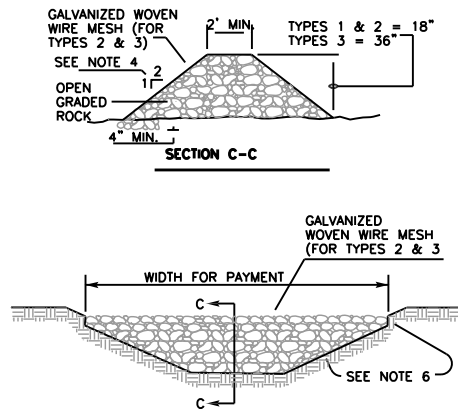
#### GENERAL NOTES

- The guidelines shown hereon are suggestions only and may be modified by the Engineer.



1 TEMPORARY SEDIMENT CONTROL FENCE

SCF



2 ROCK FILTER DAM AT CHANNEL SECTIONS

RFD1 OR RFD2 OR RFD3  
TYPE 1 OR TYPE 2

#### ROCK FILTER DAM USAGE GUIDELINES

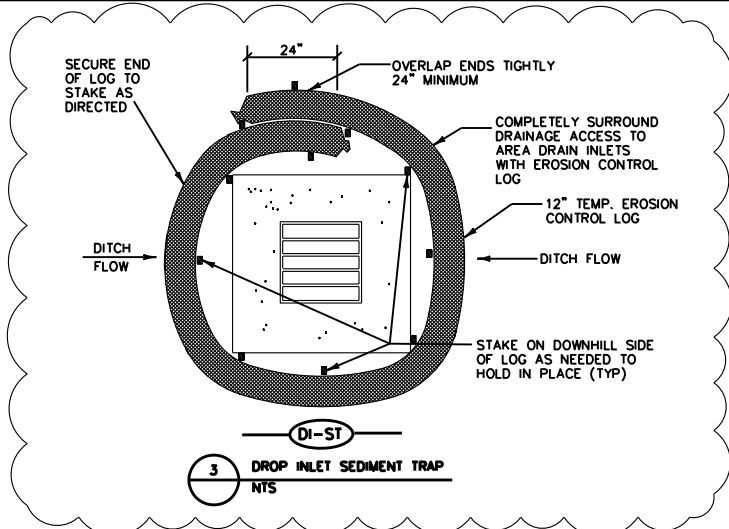
ROCK FILTER DAMS SHOULD BE CONSTRUCTED DOWNSTREAM FROM DISTURBED AREAS TO INTERCEPT SEDIMENT FROM OVERLOAD RUNOFF AND/OR CONCENTRATED FLOW. THE DAMS SHOULD BE SIZED TO FILTER A MAXIMUM FLOW THROUGH RATE OF 60 GPM/FT OF CROSS SECTIONAL AREA. A 2 YEAR STORM FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE.

**TYPE 1 (18" HIGH WITH NO WIRE MESH):** TYPE 1 MAY BE USED AT THE TOE OF SLOPES, AROUND INLETS, IN SMALL DITCHES, AND AT DIKE OR SWALE OUTLETS. THIS TYPE OF DAM IS RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE AREA OF 5 ACRES OR LESS. TYPE 1 MAY NOT BE USED IN CONCENTRATED HIGH VELOCITY FLOWS (APPROX. 8 FT./SEC. OR MORE) IN WHICH AGGREGATE WASH OUT MAY OCCUR. SANDBAGS MAY BE USED AT THE EMBEDDED FOUNDATION (4" DEEP MIN.) FOR BETTER FILTERING EFFICIENCY OF LOW FLOWS IF CALLED FOR ON THE PLANS OR DIRECTED BY THE ENGINEER.

**TYPE 2 (18" HIGH WITH WIRE MESH):** TYPE 2 MAY BE USED IN DITCHES AND AT DIKE OR SWALE OUTLETS.

**TYPE 3 (36" HIGH WITH WIRE MESH):** TYPE 3 MAY BE USED IN STREAM FLOW AND SHOULD BE SECURED TO THE STREAM BED.

**TYPE 4 (SACK GABIONS):** TYPE 4 MAY BE USED IN DITCHES AND SMALLER CHANNELS TO FORM AN EROSION CONTROL DAM.

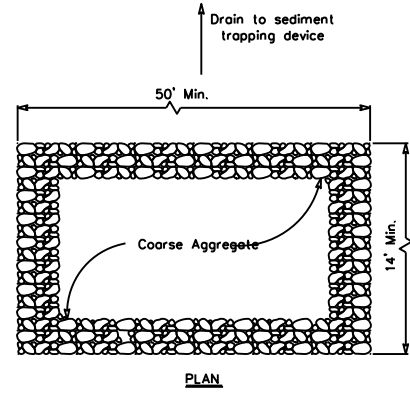


3 DROP INLET SEDIMENT TRAP

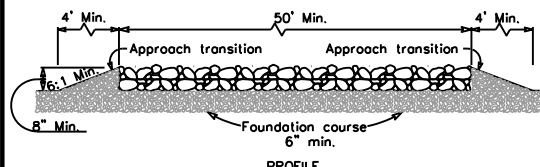
#### SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a max. flow through rate of 100 gpm/ft. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.



PLAN

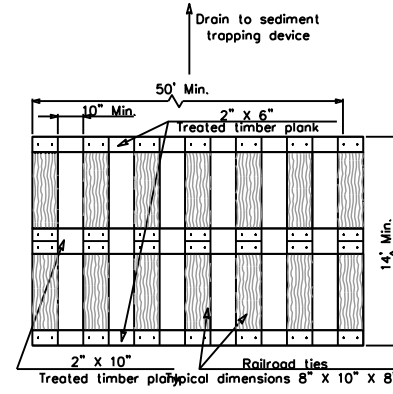


PROFILE

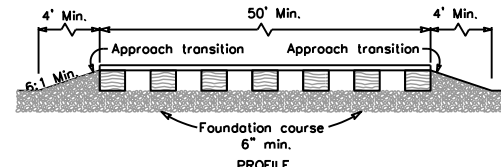
4 CONSTRUCTION EXIT (TYPE 1)

#### GENERAL NOTES

- THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.
- THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8". 6. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.
- THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.
- THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
- THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.
- THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.



PLAN

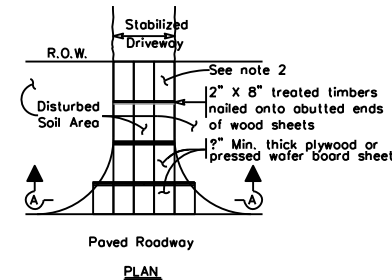


PROFILE

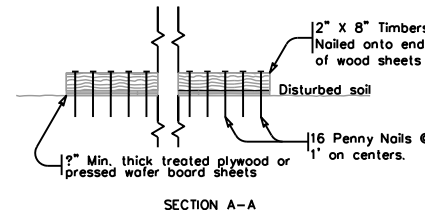
CONSTRUCTION EXIT (TYPE 2)

#### GENERAL NOTES

- THE LENGTH OF THE TYPE 2 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.
- THE TREATED TIMBER PLANKS SHALL BE ATTACHED TO THE RAILROAD TIES WITH 1/2" X 6" MIN. LAG BOLTS. OTHER FASTENERS MAY BE USED AS APPROVED BY THE ENGINEER.
- THE TREATED TIMBER PLANKS SHALL BE #2 GRADE MIN., AND SHOULD BE FREE FROM LARGE AND LOOSE KNOTS.
- THE APPROACH TRANSITIONS SHALL BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.
- THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
- THE CONSTRUCTION EXIT SHOULD BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.
- THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.



PLAN



SECTION A-A

CONSTRUCTION EXIT (TYPE 3)

#### GENERAL NOTES

- THE LENGTH OF THE TYPE 3 CONSTRUCTION EXIT SHALL BE AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- THE TYPE 3 CONSTRUCTION EXIT MAY BE CONSTRUCTED FROM OPEN GRADED CRUSHED STONE WITH A SIZE OF TWO TO FOUR INCHES SPREAD A MIN. OF 4" THICK TO THE LIMITS SHOWN ON THE PLANS.
- THE TREATED TIMBER PLANKS SHALL BE #2 GRADE MIN., AND SHOULD BE FREE FROM LARGE AND LOOSE KNOTS.
- THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

#### 1. GENERAL NOTES

- THE CONTRACTOR SHALL BE THE OPERATOR AS DEFINED BY TPDES GENERAL PERMIT. THE CONTRACTOR SHALL COMPLY WITH ALL TPDES GENERAL PERMIT REQUIREMENTS TO INCLUDE PREPARATION, MAINTENANCE, AND IMPLEMENTATION OF THE SWPPP.
- THE CONTRACTOR SHALL SUBMIT ALL NOTIFICATIONS AND PAY ALL ASSOCIATED FEES REQUIRED BY THE TPDES GENERAL PERMIT. THE CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF ANY SUBMITTED NOTIFICATIONS AND ASSOCIATED FEE CHECKS.
- THE CONTRACTOR'S TEMPORARY CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION CONTRACT AND COORDINATED WITH PROPOSED OR EXISTING PERMANENT POLLUTION CONTROL FEATURES TO ASSURE EFFECTIVE AND CONTINUOUS WATER POLLUTION CONTROL THROUGHOUT THE CONSTRUCTION AND POST CONSTRUCTION PERIOD. THE CONTRACTOR WILL MAINTAIN AND INSPECT THE TEMPORARY CONTROL MEASURES IN ACCORDANCE WITH THE TPDES GENERAL PERMIT REQUIREMENTS.
- THE CONTROL MEASURES MAY INCLUDE, BUT NOT LIMITED TO: SEDIMENT CONTROL FENCES, INLET PROTECTION, BALED HAY, ROCK FILTER DAMS, DIKES, SWALES, CONSTRUCTION EXITS, SOIL RETENTION BLANKET, SEDIMENT TRAPS AND BASINS, OR NON-STRUCTURAL WATER POLLUTION CONTROLS. THE CONTRACTOR IS RESPONSIBLE FOR ANY TYPE OF DISASTROUS EVENT RESULTING FROM NEGLIGENCE IN PROVIDING THE APPROPRIATE DEVICES TO PREVENT THE CONTAMINATION OF STORM WATER SEWERS, DRAINAGE CHANNELS, AND SURFACE AND GROUND WATERS, AND FLOODING ON THE ROADWAY AND PRIVATE AND PUBLIC PROPERTIES, IN THE EVENT OF A RAIN STORM.

#### 2. CONSTRUCTION NOTES

- THE CONTRACTOR SHALL PROVIDE CONTROL MEASURES TO PREVENT OR MINIMIZE THE IMPACT TO THE EXISTING STORM WATER SYSTEM, INCLUDING SEWERS AND CHANNELS. THIS SWPPP IS TO BE ADJUSTED AND UPDATED AS THE PROJECT PROGRESSES TO MEET COMPLIANCE WITH THE PERMIT AND ORDINANCE.

#### 3. POST CONSTRUCTION NOTES

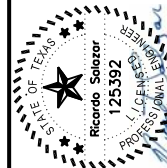
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND APPROPRIATE DISPOSAL OF ANY PROJECT CONTROL MEASURES NOT INCORPORATED AS A PERMANENT CONTROL WHEN FINAL STABILIZATION HAS BEEN OBTAINED ON THE PROJECT.

#### 4. EROSION AND SEDIMENTATION CONTROL NOTES:

- MAINTENANCE:**  
ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN 7 CALENDAR DAY AFTER THE SURROUNDING EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT. THE AREAS ADJACENT TO CREEKS AND DRAINAGE WAYS SHALL HAVE PRIORITY, FOLLOWED BY DEVICES PROTECTING STORM SEWER INLETS.
- INSPECTION:**  
AN INSPECTION WILL BE PERFORMED BY THE CONTRACTOR EVERY 14 DAYS AS WELL AS WITHIN 24 HOURS AFTER EVERY 1/2" OR MORE OF RAIN (RECORDED ON A NON-FREEZING RAIN GAUGE TO BE LOCATED AT THE PROJECT SITE). AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER INSPECTION. BASED ON THE INSPECTION RESULTS, THE CONTROL SHALL BE CORRECTED BEFORE THE NEXT SCHEDULED INSPECTION.
- WASTE MATERIALS:**  
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL STATE AND LOCAL CITY SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY ORAS REQUIRED BY LOCAL REGULATION AND THE TRASH WILL BE HAULED TO A LOCAL DUMP. NO CONSTRUCTION MATERIALS WILL BE BURIED ON SITE.
- HAZARDOUS WASTE (INCLUDING SPILL REPORTING)**  
AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES ARE CONSIDERED TO BE HAZARDOUS: PAINTS, ACIDS FOR CLEANING MASONRY SURFACES, GASOLINE, MOTOR OIL, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SOIL STABILIZATION OR CONCRETE CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS AND MEETS REPORTING REQUIREMENTS, THE NATIONAL RESPONSE CENTER SHOULD BE CONTACTED AT 800-424-8802, AND ANY REQUIRED CHANGES MADE TO THE SWPPP. IN THE EVENT OF A LIFE THREATENING SPILL THE SAN ANTONIO FIRE DEPARTMENT SHOULD BE NOTIFIED AS WELL AS THE APPROPRIATE CITY INSPECTOR.
- REMARKS:**  
DISPOSAL AREAS, STOCKPILES AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT ENTERS RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, BODY OF WATER, STREAMBED OR FLOODPLAIN. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEARED AS SOON AS POSSIBLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSE WORK, PILING DEBRIS OR OTHER OBSTRUCTION PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.



Texas Firm No. F-18526  
1903 Mozelle St., Pharr, Texas 78577  
Ph. (361) 688-8860  
RSALAZAR@TRIMADSTX.COM  
JPerez@TRIMADSTX.COM  
FCARMONA@TRIMADSTX.COM



CITY OF SAN JUAN  
709 S NEBRASKA AVE.,  
SAN JUAN, TEXAS  
78589

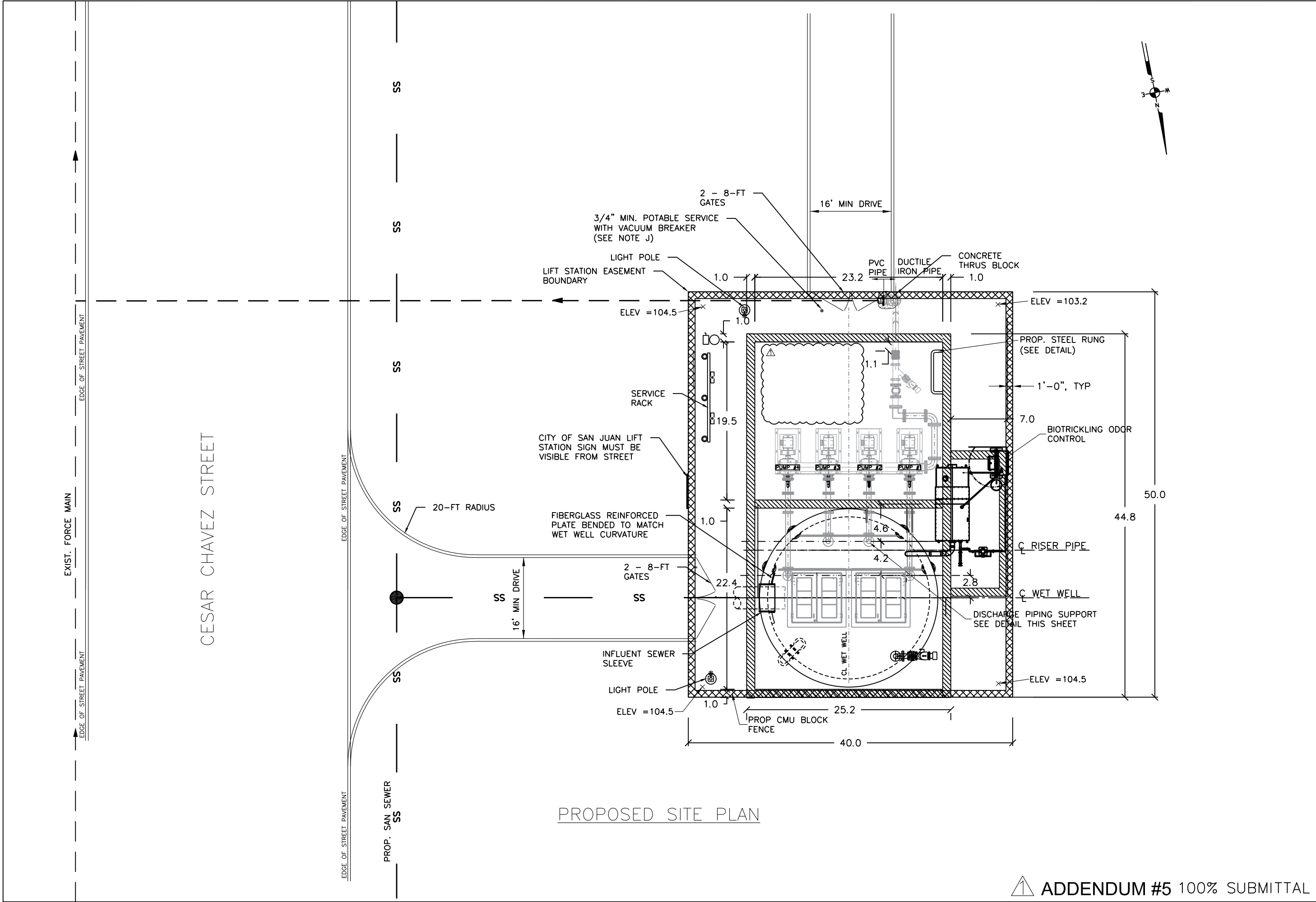


CITY OF SAN JUAN  
LIFT STATION NO.6 RELOCATION PROJECT  
STORM WATER POLLUTION  
PREVENTION PLANS (SW3P)  
DETAILS SHEET

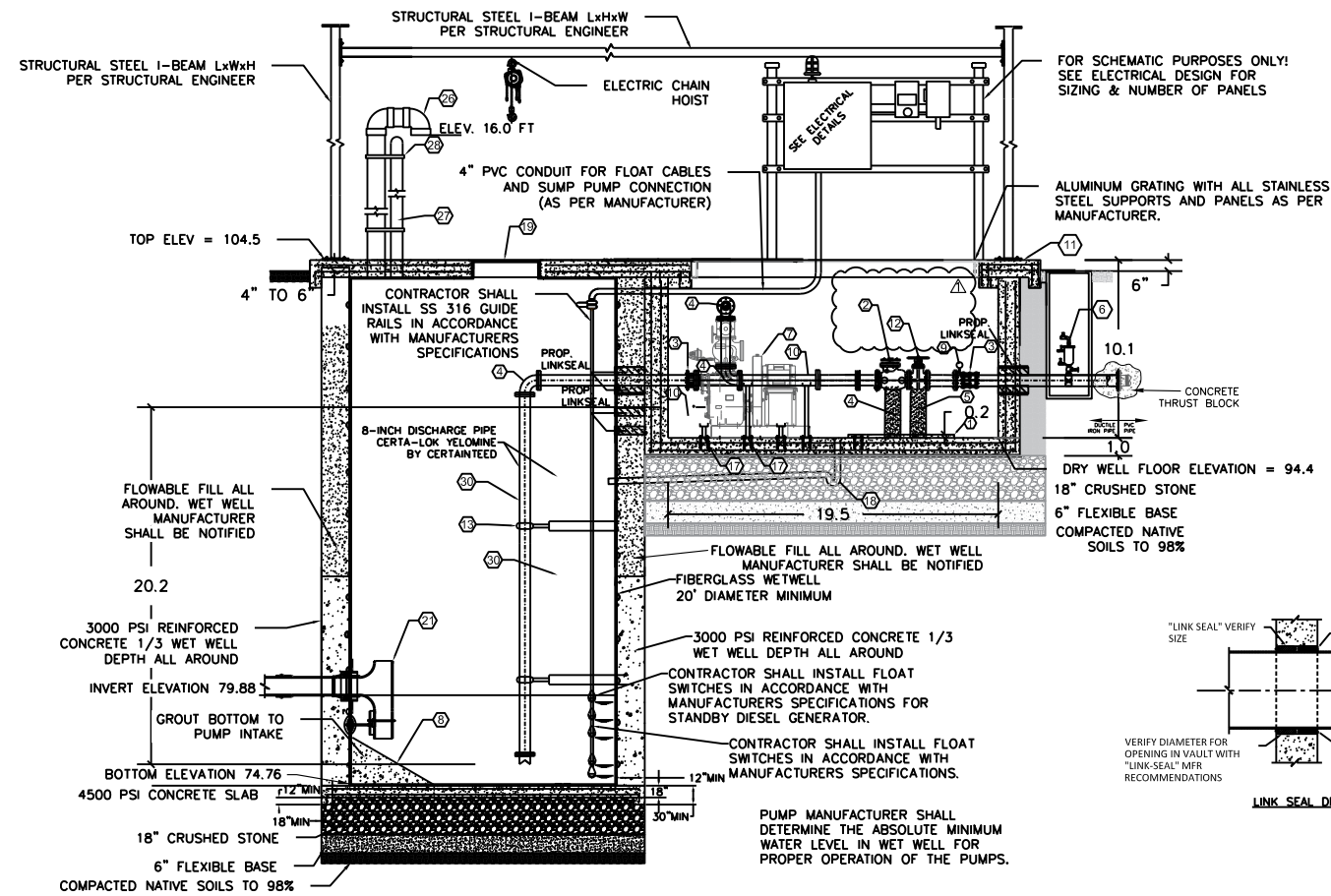
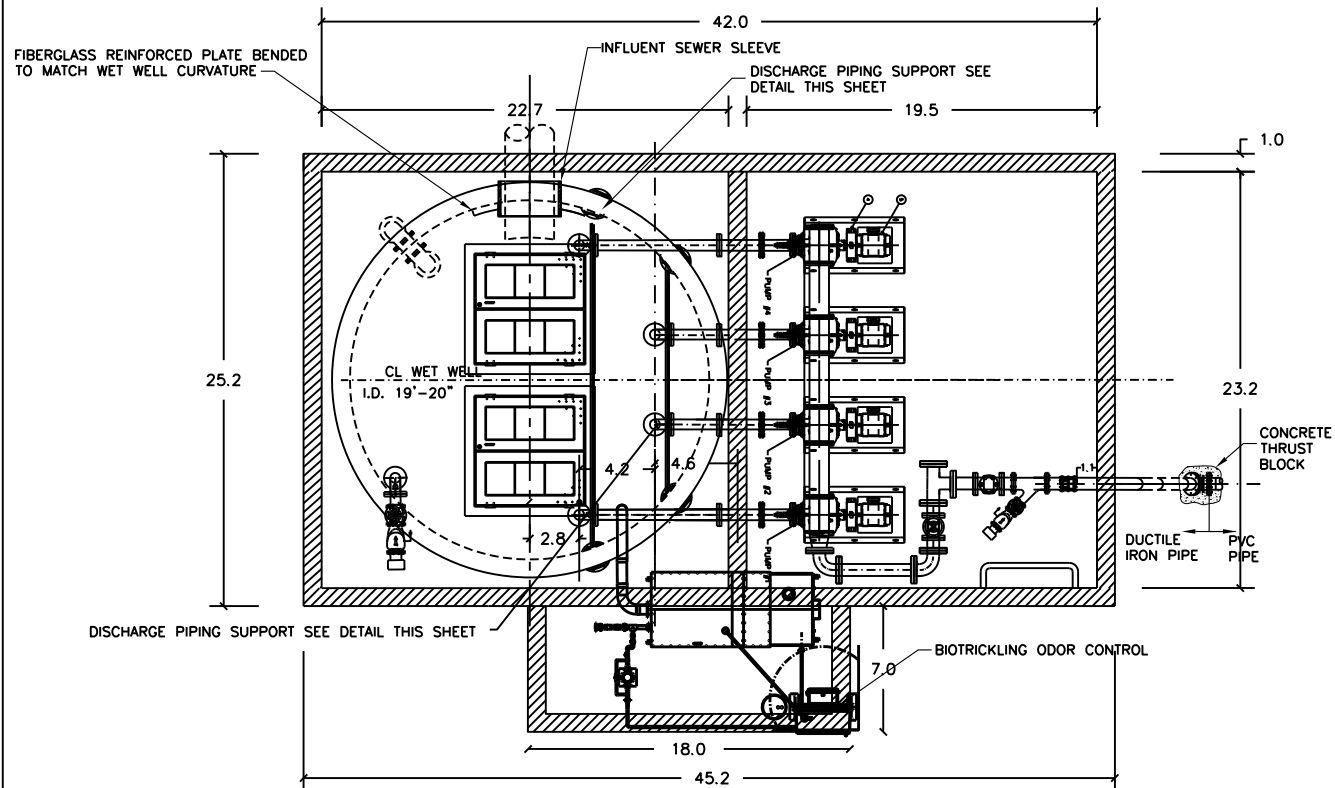
PROJ. NO.: 23.016  
DESIGNED: RS  
DRAWN: CF/JP  
DRAWING NUMBER C10  
SHEET NUMBER 13 OF 72



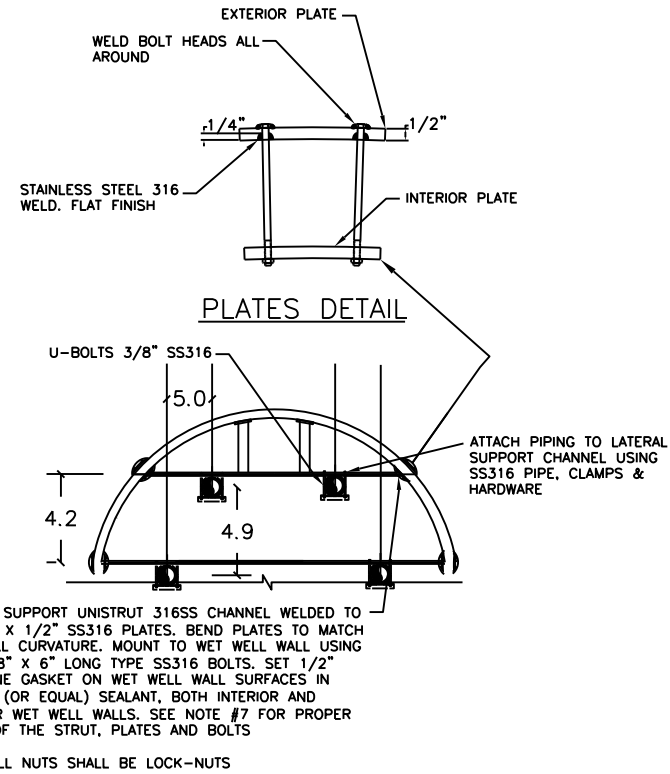
ADDENDUM #5 100% SUBMITTAL





PROFILE VIEW @ GRADE

PLAN VIEW @ GRADE



WET WELL PIPING SUPPORT DETAIL

### STATION OPERATION TABLES

SELF PRIMING PUMPS REQUIRED TO RUN IN PARALLEL APPLICATION ONLY		
RISING LEVEL CYCLE		
WATER LEVEL ELEVATION	ACTION	PUMP(S) IN OPERATION
76.26	PUMPS OFF LEVEL	ALL PUMPS ARE OFF
77.38	PUMP 1 + PUMP 2 LEVEL	LEAD PUMP ON
78.38	PUMP 3 + PUMP 2 + PUMP 1	LEAD & LAG PUMPS ON
79.58	LAG PUMP LEVEL (EMERG. ONLY)	LEAD & LAG PUMPS
79.38	HIGH LEVEL ALARM LEVEL	HIGH LEVEL ALARM ACTIVATES
75.76	LOW LEVEL ALARM	LOW LEVEL ALARM ACTIVATES

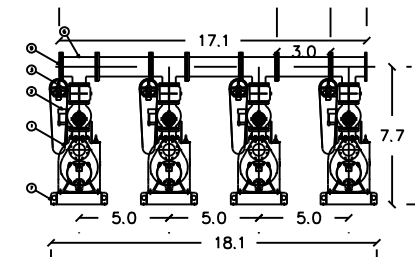
SELF PRIMING PUMP INFORMATION SINGLE PUMP	
MANUFACTURER	
MODEL	<b>T8A-B-3</b>
MOTOR RATED POWER	<b>46.9 HP</b>
DISCHARGE DIAMETER	<b>6 in</b>
IMPELLER SIZE OR MODEL	<b>12349</b>
SPEED	<b>ADJUSTABLE rpm</b>
FLOW	<b>804 gal/min</b>
TOTAL HEAD	<b>123 FT</b>
PUMP EFFICIENCY	<b>53</b>
NPSH REQUIRED	<b>8.02</b>
SPHERE PASS	<b>4"</b>
MOTOR EFFICIENCY @ FULL LOAD	<b>62.0</b>
MOTOR POWER FACTOR @ FULL LOAD	<b>40.3</b>

SELF PRIMING PUMP INFORMATION		PARALELL OPERATION
MANUFACTURER	GORMAN RUPP	
MODEL	TBA-B-3	
MOTOR RATED POWER	46.9 HP	
DISCHARGE DIAMETER	6 in	
IMPELLER SIZE OR MODEL	12349	
SPEED	ADJUSTABLE rpm	
FLOW	1608 gal/min	
TOTAL HEAD	123 FT	
PUMP EFFICIENCY	53	
NPSH REQUIRED	8.02	
SPHERE PASS	4"	
MOTOR EFFICIENCY @ FULL LOAD	62.0	
MOTOR POWER FACTOR @ FULL LOAD	40.3	

### STATION OPERATION TABLES

DIESEL STANDBY PUMP		
RISING LEVEL CYCLE		
WATER LEVEL ELEVATION	ACTION	PUMP(S) IN OPERATION
76.26	PUMPS OFF LEVEL	ALL PUMPS ARE OFF
77.38	LEAD PUMP LEVEL	LEAD PUMP ON

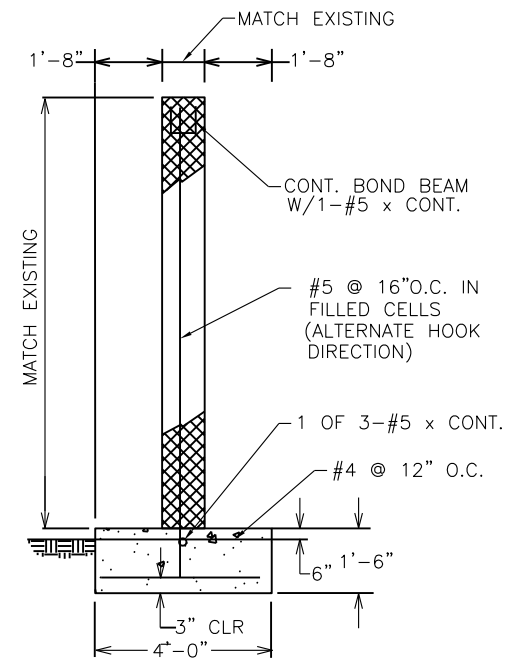
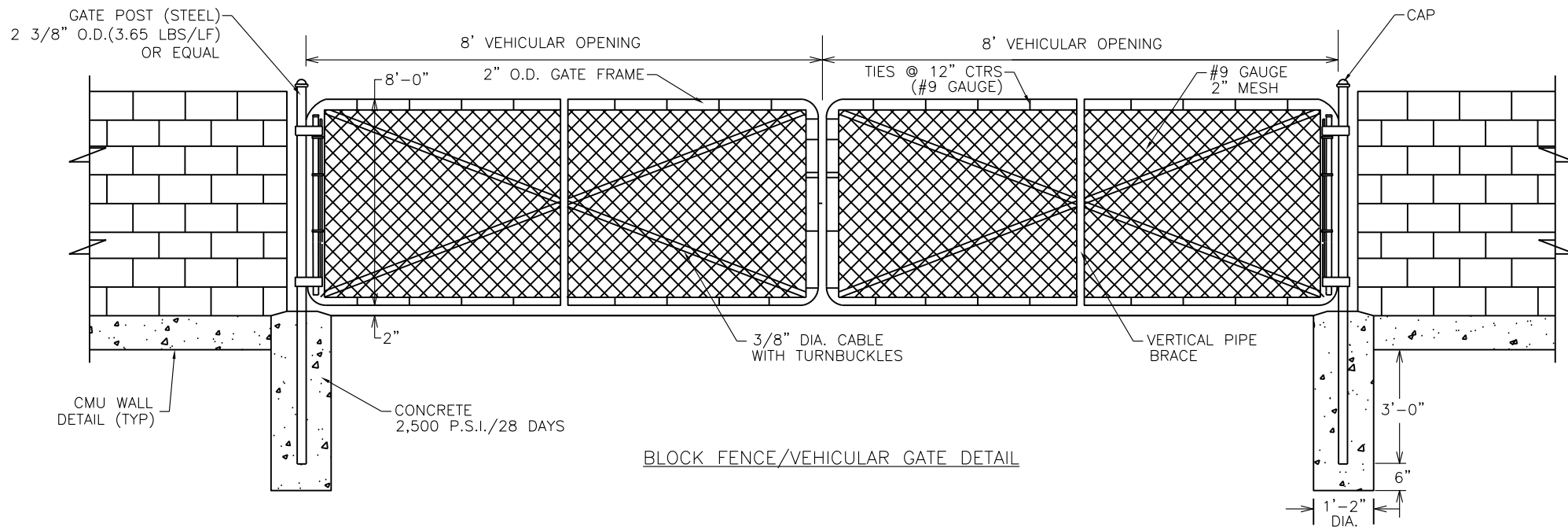
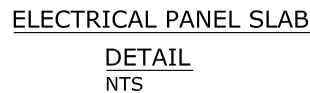
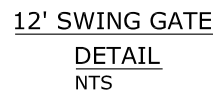
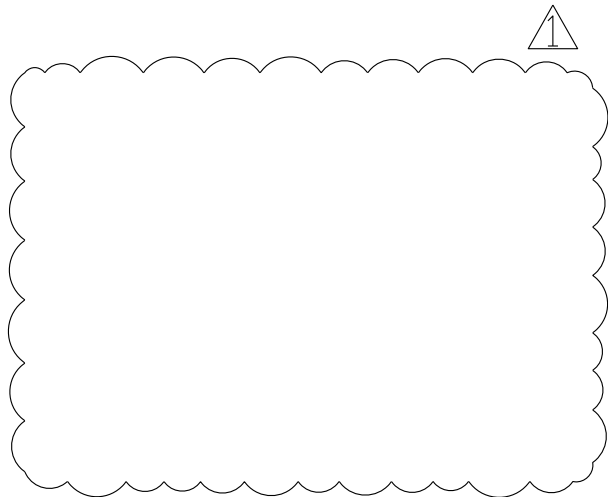
SELF PRIMING PUMP INFORMATION	
MANUFACTURER	ATLAS COPCO
MODEL	PAC F66 SKID
MOTOR RATED POWER	74 HP
DISCHARGE DIAMETER	6 in
IMPELLER SIZE OR MODEL	12"
SPEED	1800 rpm
TOTAL HEAD	2010 gal/min
PUMP EFFICIENCY	114 FT
NPSH REQUIRED	70 %
SPHERE PASS	5
MOTOR EFFICIENCY @ FULL LOAD	3"
	70.0



ITEM	DESCRIPTION	MATERIAL & SIZE
1	PUMP	CAST IRON TB-8
2	DISCHARGE CHECK VALVE	CAST IRON 8"
3	DISCHARGE PLUG VALVE	CAST IRON 8" 2-WAY C.W.
4	BELT GUARD ASSY	ALUMINUM
5	MOTOR	CAST IRON
6	DISCHARGE TEE	CAST IRON 8" x 8" x 8"
7	PUMP & MOTOR BASE ASSY	STEEL
8	AIR RELEASE VALVE	CAST IRON 1" (SHIPPED LOOSE)
9	BLIND FLANGE	CAST IRON 8"

## KEY NOTES#

- 1 CONCRETE FLOOR PEDESTAL FOR BACKUP PUMP.
- 2 INSTALL 8" SWING CHECK VALVE, DI (FLG).
- 3 INSTALL 8" DISMANTLING JOINT, DI.
- 4 INSTALL 8" 90° BEND, DI (FLG).
- 5 INSTALL CONCRETE PIPING SUPPORT.
- 6 INSTALL COMBINATION AIR/VACUUM VALVE ASSEMBLY (AIR RELEASE VALVE).
- 7 INSTALL SELF-PRIMING PUMPS (GORMAN RUPP).
- 8 PROPOSED CONCRETE FILL FOR SLOPE OF WET WELL FLOOR.
- 9 INSTALL PRESSURE GAUGE WITH DIAPHRAGM SEAL AND ISOLATION VALVE.
- 10 INSTALL 8" DISCHARGE PIPING, DI (FLG).
- 11 PROPOSED CONCRETE VALVE SLAB, SEE STRUCTURAL SHEETS.
- 12 INSTALL 8" GATE VALVE, DI (FLG).
- 13 GUIDE BAR SUPPORTS (316L SS) INSTALLED IN ACCORDANCE WITH SELECTED PUMP MANUFACTURER'S REQUIREMENTS.
- 14 NOT USED.
- 15 NOT USED.
- 16 NOT USED.
- 17 INSTALL SS 316 PIPE SUPPORT.
- 18 INSTALL 4" DRAIN PIPE WITH P-TRAP, P-TRAP TO BE SEALED WITH MINERAL OIL.
- 19 INSTALL PUMP ACCESS HATCH HALLIDAY MODEL S1S3042 FR SERIES (WATER TIGHT) WITH SAFETY GRATE, OR APPROVED EQUAL.
- 20 NOT USED.
- 21 INSTALL 24" INFLUENT SEWER LINE.
- 22 NOT USED.
- 23 NOT USED.
- 24 NOT USED.
- 25 NOT USED.
- 26 INSTALL 12" AIR VENT.
- 27 INSTALL 316 SS POST FOR VENT PIPE SUPPORT.
- 28 INSTALL 316 SS PIPE CLAMPS SPACED AT 4'-0" MAX.
- 29 NOT USED.
- 30 INSTALL USE CERT-LOK YELOMINE BY CERTAINEED.



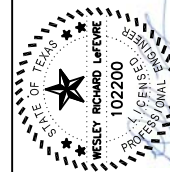
- NOTES:
1. ALL CONCRETE FOOTINGS SHALL BE CROWNED A MINIMUM OF 1" ABOVE THE EXISTING GROUND, WHERE FOOTINGS ARE REQUIRED ONLY.
  2. CONCRETE FOOTINGS TO BE DESIGNED BY STRUCTURAL ENGINEER.



 **ADDENDUM #5** 100% SUBMITTAL



Texas Firm No. F-18526  
1803 Mazelle St., Pharr,  
Texas 78577  
Ph. (956) 688-8860  
RSALAZAR@TRIMADTX.COM  
JPEREZ@TRIMADTX.COM  
FCARMONA@TRIMADTX.COM



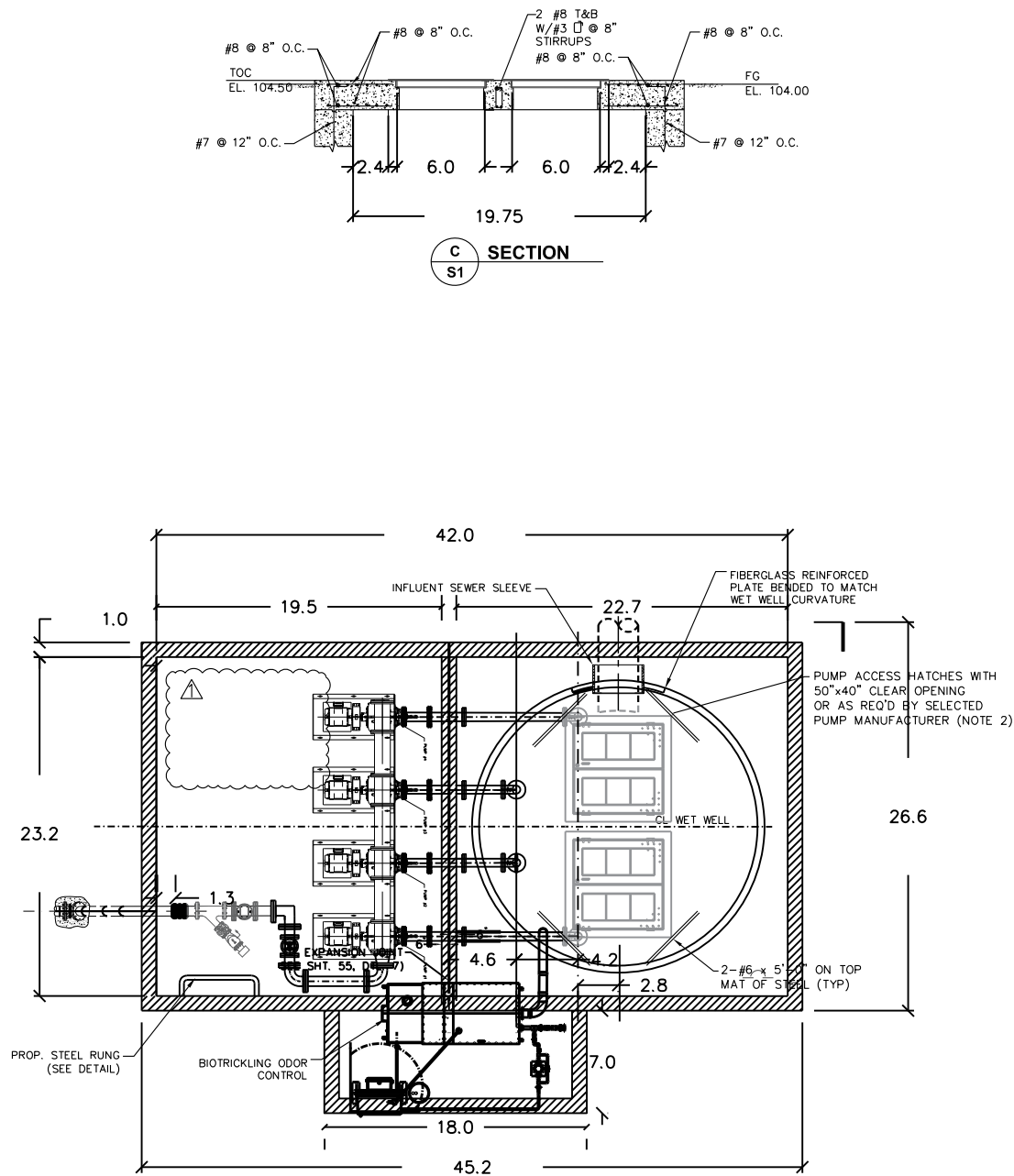
2008/09

CITY OF SAN JUAN  
709 S NEBRASKA AVE,  
SAN JUAN, TEXAS  
78589



CITY OF SAN JUAN  
LIFT STATION NO.6 RELOCATION PROJECT  
LIFTSTATION DETAILS

PROJ. NO.:	23.016
DESIGNED:	RS
DRAWN:	CF/JP
DRAWING NUMBER	L12
SHEET NUMBER	54 OF 7



PLAN VIEW @ GRADE

GENERAL NOTES

1. FOR ADDITIONAL REINFORCEMENT AT OPENINGS NOT SHOWN, SEE SHEET S-4 DETAIL 4.
2. CONFIRM SIZE AND LOCATION OF THE ACCESS HATCH OPENINGS PER SELECTED HATCH AND MANUFACTURER'S REQUIREMENTS.
3. SEE DETAIL AND CIVIL DRAWINGS FOR DIMENSIONS AND INFORMATION NOT SHOWN.
4. WET WELL TO BE CONSTRUCTED OF FIBERGLASS AND ALL PENETRATIONS SHALL BE PERFORMED BY MANUFACTURER.

GENERAL NOTES:

1. THIS FOUNDATION IS DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF SAN JUAN.
2. GRAVITY DESIGN LIVE LOADS USED ARE AS FOLLOWS:
  - A. FLOOR LIVE LOAD: 150 PSF
  - B. GROUND SNOW LOAD: 5 PSF
  - C. WIND LOAD CRITERIA: ULTIMATE WIND SPEED (3-SECOND GUST): 120 MPH RISK CATEGORY III
  - D. SEISMIC LOAD CRITERIA: MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION: 0.10g
  - E. SITE CLASS: D
3. THE GENERAL CONTRACTOR SHALL REFER TO MECHANICAL, ELECTRICAL, AND EQUIPMENT SUPPLIER DRAWINGS FOR LOCATION AND SIZES OF FLOOR DEPRESSIONS, OPENINGS, INSERTS, SLEEVES, ANCHOR BOLTS, AND EMBEDDED ITEMS.
4. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY AND ALL EXPENSES, REAL OR IMPLIED ARISING FROM SUCH ACCEPTANCE. THE CONTRACTOR SHALL MAINTAIN THESE DRAWINGS AT A CURRENT STATUS, INCLUDING ALL ADDENDA AND REVISIONS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SIZING AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS NOT TO PROCEED UNTIL ENGINEER AND/OR OWNER HAS AUTHORIZED TO PROCEED WITH CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NEEDED FOR DESIGN TO PROVIDE A FUNCTIONAL SYSTEM EVEN IF ITEMS ARE NOT SHOWN OR ADDRESSED ON PLANS OR SPECIFICATIONS.

FOUNDATION EARTHWORK NOTES:

1. CONTRACTOR SHALL ROUGH GRADE AND CUT SWALES SO THAT SURFACE WATER WILL DRAIN AWAY FROM BUILDING SITE. MAINTAIN DRAINAGE PROGRAM SO THAT WATER WILL DRAIN AWAY FROM BUILDING SITE DURING ALL PHASES OF CONSTRUCTION. WATER WHICH ACCUMULATES IN TRENCHES AND EXCAVATIONS SHALL BE IMMEDIATELY PUMPED OUT.
2. IN THE AREA FOR THE CONCRETE SLAB-ON-GRADE:
  - a) REMOVE ALL ORGANICS (i.e. ROOTS, TREES, GRASS, AND OTHER HUMUS MATERIALS) AND ANY OTHER DELETERIOUS MATERIALS. REMOVE A MINIMUM OF 2.5 FT. OF THE EXISTING MATERIAL AND ANY ADDITIONAL AMOUNT OF MATERIAL TO ENSURE THAT THE INERT PAD THICKNESS IS A MINIMUM OF 2.5 FEET (COMPRISED OF THE FLOOR SLAB AND SELECT FILL COMPONENTS OUTLINED SUSEQUENTLY). DO NOT EXCAVATE BENEATH SOFFIT OF EXISTING GRADE BEAMS.
  - b) AFTER STRIPPING AND EXCAVATING TO THE PROPOSED SUBGRADE LEVEL, THE EXPOSED SUBGRADE SHOULD BE PROOF-ROLLED WITH A TANDEM AXLE DUMP TRUCK OR SIMILAR RUBBER Tired VEHICLE. SOILS THAT ARE OBSERVED TO RUT OR DEFLECT EXCESSIVELY UNDER THE MOVING LOAD SHOULD BE UNDERCUT AND REPLACED WITH PROPERLY COMPACTED FILL.
  - c) THE SUBGRADE SOILS SHOULD BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY BY TEX-114-E FOR A DEPTH OF AT LEAST (6) INCHES AT A MOISTURE CONTENT BETWEEN OPTIMUM AND PLUS THREE (+3) PERCENT OF OPTIMUM.
  - d) BRING THE FOUNDATION PAD TO THE UNDERSIDE OF THE SLAB WITH SELECT FILL. SELECT FILL MATERIALS SHOULD CRUSHED STONE, CONFIRMATION TO TxDOT 1993 STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES, ITEM 247, TYPE A, B OR C, GRADES 1 THROUGH 5.
  - e) SELECT FILL SHOULD BE PLACED IN MAXIMUM LOOSE LIFTS OF EIGHT (8) INCHES OF COMPACTED MATERIAL. EACH LIFT SHOULD BE COMPACTED WITHIN RANGE OF ZERO (0) PERCENTAGE POINT BELOW TO TWO (2) PERCENTAGE POINTS ABOVE THE OPTIMUM MOUSTURE CONTENT VALUE. FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE TxDOT, TEX-113-E COMPACTION TEST.
3. TRENCHING FOR GRADE BEAMS AND MECHANICAL LINES SHALL BE PERFORMED AFTER ALL EARTHWORK ABOVE HAS BEEN COMPLETED. TRENCHING SHALL BE CONDUCTED USING A SMOOTH-MOUTHED BUCKET. IF A TOOTHED BUCKET IS USED, EXCAVATION SHALL BE STOPPED AT 12" ABOVE FINAL GRADE AND THE REMAINING EXCAVATION ACCOMPLISHED WITH A SMOOTH-MOUTHED BUCKET OR BY HAND LABOR TO REMOVE ALL LOOSE SOILS DISTURBED BY THE BUCKET TEETH. TRENCHES SHALL BE VERIFIED FOR SIZE TO MAINTAIN CLEARANCES AROUND REINFORCEMENT.
4. PLACE A POLYETHYLENE VAPOR BARRIER, MINIMUM 6 MIL IN THICKNESS. VAPOR BARRIER SHALL NOT EXTEND BELOW MID-DEPTH OF BEAM TRENCHES.
5. EMPLOY AN INDEPENDENT TESTING LABORATORY TO TAKE 3 DENSITY TESTS OF RECOMPACTED ON SITE MATERIAL AND 3 DENSITY TESTS OF EACH LIFT OF FILL FOR EACH 5000 SQUARE FEET.
6. NO PLASTIC CHAIRS SHALL BE USED TO SUPPORT REBAR IN DESIGN.

FOUNDATION NOTES:

1. FOUNDATION SLAB SHALL BE 18" THICK AND REINFORCED WITH TWO LAYERS OF #8 @ 8" O.C. EACH WAY PLACED 1-1/2" CLR. FROM TOP AND BOTTOM. REINFORCING SHALL BE SUPPORTED AT 4"-O" O.C. EACH WAY USING CONCRETE BLOCKS OR BRICKS. DO NOT UE METAL OR PLASTIC CHAIRS.
2. GRADE BEAM DEPTH SCHEDULED IS A MINIMUM. INCREASE BEAM DEPTH AT BUILDING PERIMETER SO THAT THE BEAM SOFFIT BEARS A MINIMUM OF 18" BELOW FINAL GRADE. GRADE BEAM REINFORCING SHALL BE SUPPORTED AT BOTTOM USING CONCRETE BLOCK OR BRICKS @ 4'-0" O.C.
3. EXPOSED FACES OF FOUNDATION SHALL BE WOOD FORMED TO A DEPTH OF 8" BELOW FINAL GRADE.
4. PROVIDE 4-#7 x 7'-0" CORNER BARS (2 TOP, 2 BOTTOM) AT ALL BEAM CORNERS AND "T" - INTERSECTIONS.
5. IN LOCATIONS WHERE GRADE BEAM DEPTH EXCEEDS 36", ADD CONTINUOUS #4 @ 12" O.C. HORIZONTALLY IN EACH BEAM FACE.

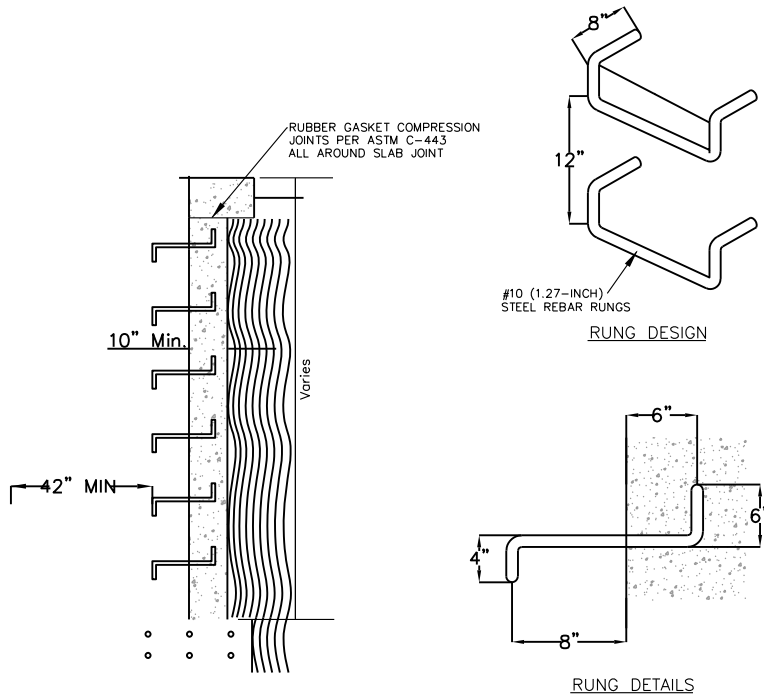
CONCRETE/REINFORCING NOTES:

1. CONCRETE SHALL BE LABORATORY DESIGNED TO DEVELOP A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI. USE OF FLY ASH WILL BE PERMITTED UP 20% CEMENT REPLACEMENT BY WEIGHT.
2. CONCRETE MIX DESIGN SHALL MEET THE FOLLOWING REQUIREMENTS:

-CEMENT TYPE:	ASTM C150, TYPE I (5 SACKS MIN)
-FLY ASH:	ASTM C618, TYPE C OR F
-AGGREGATES:	ASTM C33
-SLUMP LIMITS:	NO LESS THAN 3", NOT MORE THAN 5"

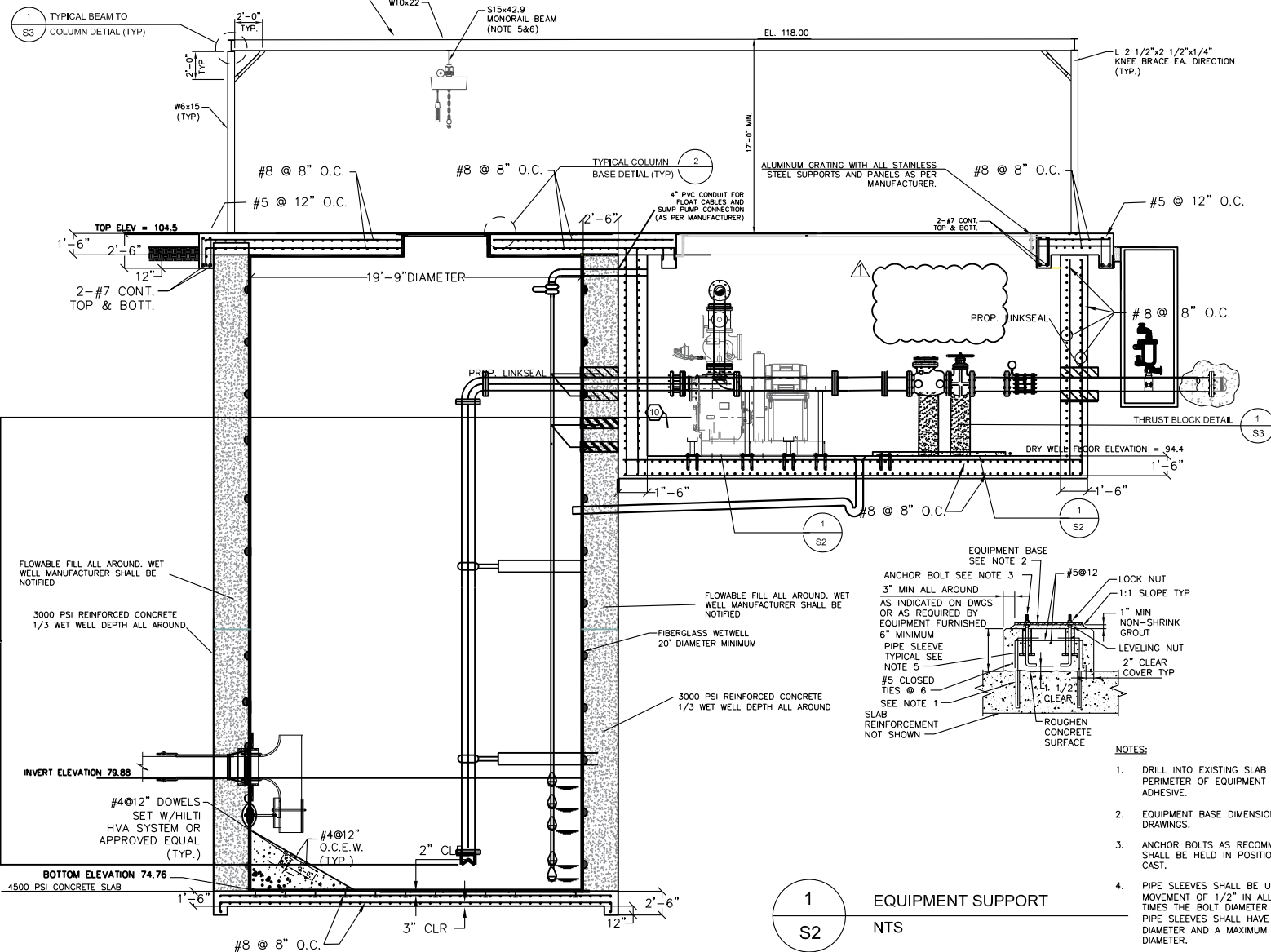
GENERAL CONTRACTOR SHALL SUBMIT WRITTEN REPORT FOR THE PROPOSED MIX DESIGN AT LEAST 7 DAYS PRIOR TO START OF CONCRETE WORK.
3. GENERAL CONTRACTOR IS TO EMPLOY A TESTING LABORATORY TO PERFORM SAMPLING TESTING DURING CONCRETE PLACEMENT AS FOLLOWS:

-AGGREGATES:	ASTM C33, ONE TEST THE FIRST DAY
-COMPRESSIVE STRENGTH:	ASTM C39, ONE SET OF 5 CYLINDERS, FOR EACH 150 CUBIC YARDS OF CONCRETE. TWO CYLINDERS TESTED AT 7 DAYS, TWO TESTS AT 28 DAYS, REMAINING ONE TO BE TESTED AT 56 DAYS IF NECESSARY. ASTM C143, AT LEAST TWO TEST SHALL BE MADE RANDOMLY DURING EACH DAY OF PLACEMENT.
-SLUMP:	
4. REINFORCING STEEL SHALL BE, NEW BILLET AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615. ALL REINFORCING STEEL SHALL BE GRADE 60. EXCEPT BEAM STIRRUPS MAY BE GRADE 40.
5. ALL ITEMS EMBEDDED IN CONCRETE MUST BE TIED AND SECURED PRIOR TO PLACEMENT OF CONCRETE.
6. MECHANICAL VIBRATOR, HAND RODDING AND TAMPING MUST BE USED TO CONSOLIDATE CONCRETE AND TO INSURE THAT CONCRETE IS WORKED AROUND REINFORCEMENT, OTHER EMBEDDED ITEMS AND INTO FORMS.
7. ABSOLUTELY NO WELDING OF REINFORCEMENT BARS OR TORCHING TO BEND REINFORCEMENT BARS SHALL BE ALLOWED WITHOUT THE SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
8. DETAILING OF REINFORCEMENT BARS AND ACCESSORIES SHALL BE IN ACCORDANCE WITH LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315). BAR SPLICES SHALL BE A LENGTH EQUAL TO A MINIMUM OF 55 BAR DIAMETERS.

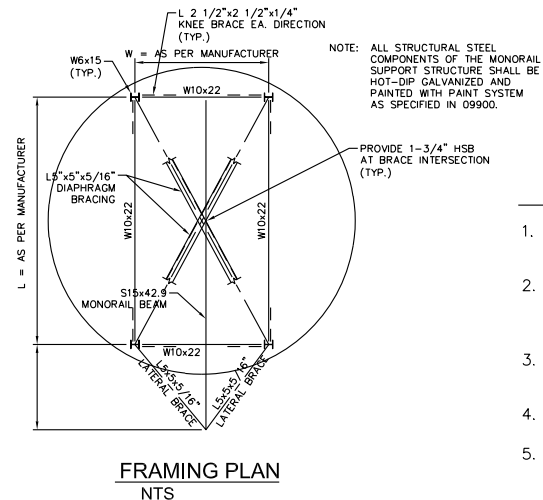




OVERHEAD BRIDGE CRANE DIMENSIONS ARE SUGGESTED AND FINAL BEAM SIZES AND FOOTINGS WILL NEED TO BE SIZED AND PROVIDED BY MANUFACTURER.



SECTION  
S2 NTS



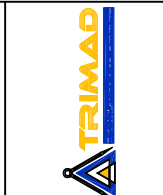
FRAMING PLAN  
NTS

### GENERAL NOTES

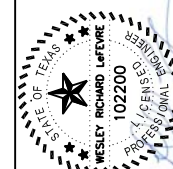
1. FOR ADDITIONAL REINFORCEMENT AT OPENINGS NOT SHOWN, SEE SHEET , DETAIL 4.
2. CONFIRM SIZE AND LOCATION OF THE ACCESS HATCH OPENINGS PER SELECTED HATCH AND PUMP MANUFACTURER'S REQUIREMENTS.
3. SEE DETAIL AND CIVIL DRAWINGS FOR DIMENSIONS AND INFORMATION NOT SHOWN.
4. WET WELL TO BE CONSTRUCTED OF FIBERGLASS
5. ALL STRUCTURAL STEEL OF THE MONORAIL SUPPORT STRUCTURE SHALL BE HOT-DIP GALVANIZED AND PAINTED AS SPECIFIED IN SECTION 09900. APPLY AFTER CONCRETE HAS CURED TO FULL STRENGTH.
6. CONTRACTOR IS RESPONSIBLE FOR ALIGNING MONORAIL SYSTEM DIRECTLY ABOVE THE PUMP TO ALLOW REMOVAL.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING GROUND WATER ELEVATIONS AND FOR MAKING PROVISIONS TO PREVENT THE STRUCTURE FROM BECOMING BUOYANT DURING ALL STAGES OF CONSTRUCTION.

1  
S2 EQUIPMENT SUPPORT  
NTS

- NOTES:
1. DRILL INTO EXISTING SLAB TO DEVELOPMENT DEPTH AT 12" CENTERS AROUND PERIMETER OF EQUIPMENT BASE AND SET #5 HOOKED DOWELS IN HILT HY-150 ADHESIVE.
  2. EQUIPMENT BASE DIMENSIONS SHALL BE AS REQUIRED BY THE APPROVED SHOP DRAWINGS.
  3. ANCHOR BOLTS AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. BOLTS SHALL BE HELD IN POSITION WITH A TEMPLATE WHILE EQUIPMENT BASE IS BEING CAST.
  4. PIPE SLEEVES SHALL BE USED TO PROVIDE THE ANCHOR BOLT A MINIMUM MOVEMENT OF 1/2" IN ALL DIRECTIONS. MINIMUM SLEEVE LENGTH SHALL BE 8 TIMES THE BOLT DIAMETER. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT. PIPE SLEEVES SHALL HAVE A MINIMUM INTERNAL DIAMETER 1" GREATER THAN BOLT DIAMETER AND A MAXIMUM INTERNAL DIAMETER OF 3" GREATER THAN BOLT DIAMETER.
  5. EQUIPMENT BASES SHALL BE INSTALLED LEVEL. TOLERANCE IS 1/16"



Texas Firm No. F-18526  
1803 Mozelle St., Pharr, Texas  
78577  
Ph. (956) 688-8860  
RSALAZAR@TRIMADTX.COM  
JPerez@TRIMADTX.COM  
FCARMONA@TRIMADTX.COM



2/28/2025

CITY OF SAN JUAN  
709 S NEBRASKA AVE,  
SAN JUAN, TEXAS  
78589



CITY OF SAN JUAN  
LIFT STATION NO.6 RELOCATION PROJECT  
STRUCTURAL PLANS

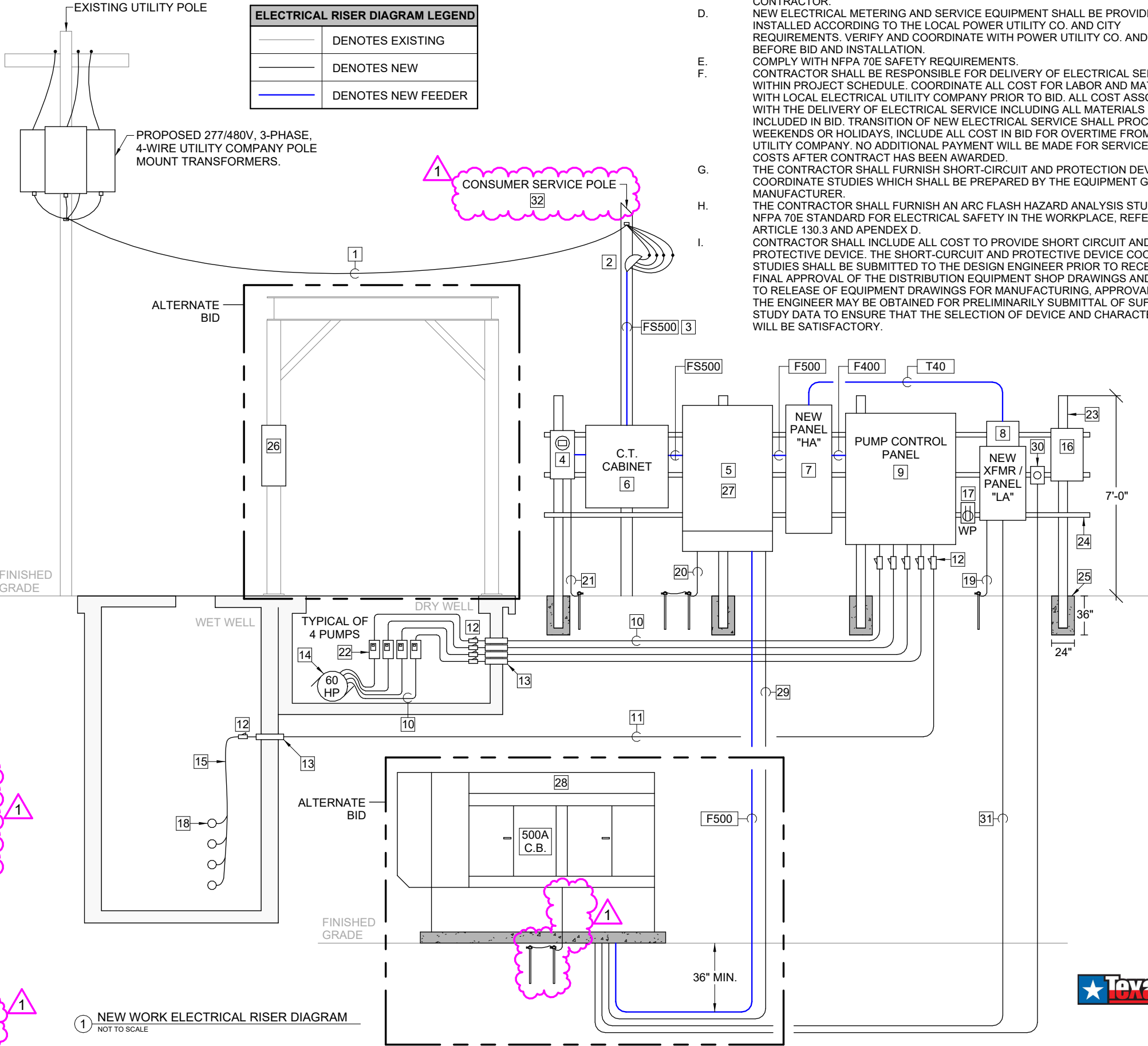
PROJ. NO.: 23.016  
DESIGNED: RS  
DRAWN: CF/JP  
DRAWING NUMBER S-2  
SHEET NUMBER 56 OF 72



ADDENDUM #5 100% SUBMITTAL

NEW WORK ELECTRICAL  
RISER KEYED NOTES:

1. SERVICE DROP BY UTILITY COMPANY. COORDINATE WITH UTILITY COMPANY FOR INSTALLATION.
2. PROVIDE SERVICE ENTRANCE CAB FOR OVERHEAD SECONDARY AS PER UTILITY COMPANY STANDARDS.
3. PROVIDE NEW FEEDER. REFER TO FEEDER SCHEDULE - TYPICAL.
4. ELECTRIC METER PER UTILITY COMPANY. COORDINATE METER SOCKET CONFIGURATION WITH LOCAL UTILITY COMPANY.
5. PROVIDE NEW 600A, 4-POLE, 480/277V, THREE PHASE, 500AF, NEMA 4X SS, SERVICE ENTRANCE RATED DOUBLE THROW SWITCH WITH CAM LOCKS FOR CONNECTION OF A PORTABLE DIESEL GENERATOR.
6. PROVIDE CURRENT TRANSFORMER CABINET PER UTILITY STANDARDS.
7. PROVIDE LISTED FOR USE IN CORROSIVE ENVIROMENTS.
8. PROVIDE NEW PANELBOARD. REFER TO PANEL SCHEDULES FOR DETAILS.
9. PROVIDE NEW SINGLE PHASE, 480V PRIMARY, 120/240V SECONDARY PRE-WIRED TRANSFORMER/PANEL POWER CENTER SQUARE D MODEL "MPZB15S40FSS" OR APPROVED EQUAL. PROVIDE WITH PRIMARY MAIN CIRCUIT BREAKER, 15KVA TRANSFORMER, MAIN BREAKER SECONDARY PANEL, AND NEMA 3R STAINLESS STEEL ENCLOSURE. REFER TO PANEL SCHEDULE FOR MORE DETAILS.
10. NEW PUMP CONTROLLER FURNISHED BY OTHERS AND INSTALLED BY ELECTRICAL CONTRACTOR.
11. PROVIDE UNDERGROUND RACEWAY WITH GALVANIZED PULLWIRE FOR PUMP POWER CABLING. COORDINATE RACEWAY REQUIREMENTS WITH PUMP SUPPLIER. TYPICAL.
12. PROVIDE (1) 4" UNDERGROUND RACEWAY WITH GALVANIZED PULLWIRE FROM PUMP CONTROLLER TO WET WELL FOR FLOAT SWITCHES CABLING.
13. PROVIDE SEALING FITTING. TYPICAL.
14. COORDINATE WELL PENETRATIONS WITH GENERAL CONTRACTOR.
15. PROVIDE SLEEVES. TYPICAL.
16. INSTALL NEW PUMP MOTOR (FURNISHED BY OTHERS). REFER TO EQUIPMENT CONNECTION SCHEDULE. TYPICAL.
17. PUMP CONTROL FLOAT SWITCHES CABLING TO BE FURNISHED BY PUMP SUPPLIER AND INSTALLED BY ELECTRICAL CONTRACTOR. TERMINATE ALL CABLING AT PUMP CONTROLLER. COORDINATE LENGTH REQUIRED WITH SUPPLIER.
18. PROVIDE NEW PRIMEX PUMP WATCH EXPRESS MODEL "LIGHT 1051730" MONITOR WITH OUTDOOR RATED ENCLOSURE AND BATTERY BACKUP OR APPROVED EQUAL. PROVIDE 120V, 20A BRANCH CIRCUIT: 1/2" - 2#12 AND #12 GND, AND COMMUNICATION CABLING FROM PUMP CONTROLLER.
19. PROVIDE GFCI DUPLEX RECEPTACLE IN WEATHERPROOF BOX / COVERPLATE.
20. FLOAT SWITCHES, SENSORS AND CABLING FURNISHED BY PUMP SUPPLIER AND INSTALLED BY ELECTRICAL CONTRACTOR.
21. PROVIDE 1#8 IN 3/4"C GROUNDING ELECTRODE CONDUCTOR, AND A 3/4" DIAMETER X 10' COPPER CLAD GROUNDING ROD. REFER TO LATEST NEC FOR REQUIREMENTS. REFER TO GROUNDING DETAIL.
22. REFER TO GROUNDING DETAIL.
23. PROVIDE GROUNDING PER UTILITY STANDARDS.
24. INSTALL NEW PUMP MOTOR VFD (FURNISHED BY OTHERS). TYPICAL.
25. PROVIDE 4" GALVANIZED POST AND CAP. TYPICAL.
26. PROVIDE 316 STAINLESS STEEL STRUT SUPPORT AND STAINLESS STEEL STRAPS / MOUNTING HARDWARE. TYPICAL.
27. PROVIDE POST CONCRETE FOOTING. TYPICAL.
28. **ALTERNATE BID** - IF BRIDGE CRANE ALTERNATE IS ACCEPTED, PROVIDE BRANCH CIRCUIT FOR HOIST/TROLLEY CONTROL PANEL. CONTRACTOR SHALL REVIEW THE ELECTRICAL CONNECTION REQUIREMENTS OF EQUIPMENT WITH OWNER PRIOR TO BID.
29. **ALTERNATE BID** - IF GENERATOR ALTERNATE IS ACCEPTED, PROVIDE GENERAC 'TX301' 600A, 480V, THREE PHASE, 4-POLE, NEMA 3R, SERVICE ENTRANCE RATED, OPEN DELAYED TRANSITION, AUTOMATIC TRANSFER SWITCH OR APPROVED EQUAL IN LIEU OF DOUBLE THROW DISCONNECT WITH CAM LOCKS. PROVIDE CONCRETE PAD FOR MOUNTING OF TRANSFER SWITCH.
30. **ALTERNATE BID** - IF GENERATOR ALTERNATE IS ACCEPTED, PROVIDE GENERAC 'SD300' 300KW, 375KVA, 60HZ, 480/277V, 3-PHASE, 4-WIRE, STAND-BY DIESEL GENERATOR SET WITH LEVEL 2 ACOUSTIC ALUMINUM ENCLOSURE AND 693 GALLON, UL142 BASE TANK (FOR 24HR RUNTIME MINIMUM) OR APPROVED EQUAL. PROVIDE 1#1/0 COPPER IN 3/4"C GROUNDING ELECTRODE CONDUCTOR, AND TWO 3/4" DIAMETER X 8' COPPER CLAD GROUNDING RODS AT A MINIMUM OF 6' APART. REFER TO NEC FOR GROUNDING REQUIREMENTS OF A SEPARATELY DERIVED SYSTEM.
31. **ALTERNATE BID** - PROVIDE 2#14 STRANDED COPPER CONDUCTORS IN 4" RACEWAY FROM AUTOMATIC TRANSFER SWITCH TO GENERATOR FOR 2-WIRE START AND ATS POSITION. VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
32. **ALTERNATE BID** - PROVIDE REMOTE EMERGENCY STOP BUTTON TO COMPLY WITH NEC 445.18. PROVIDE 1" RACEWAY. COORDINATE WIRING WITH EQUIPMENT SUPPLIER.
33. **ALTERNATE BID** - PROVIDE BRANCH CIRCUITS TO GENERATOR BATTERY CHARGER AND BLOCK HEATER FROM PANEL 'LA'. BRANCH CIRCUITS: 3/4" C - 2#10 + #10 GND EACH. VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
34. PROVIDE CONSUMER SERVICE POLE PER UTILITY STANDARDS. PREFERRED POLE IS 18" CLASS 6 OR 7 WOOD POLE. VERIFY WITH LOCAL UTILITY COMPANY PRIOR TO BIDDING.



GENERAL NOTES:

- A. GROUNDING SHALL BE ESTABLISHED PER NEC 250.24(A)(1).
- B. PROVIDE GROUNDING / BONDING AS INDICATED ON THE NATIONAL ELECTRICAL CODE.
- C. NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL GEAR BY ELECTRICAL CONTRACTOR.
- D. NEW ELECTRICAL METERING AND SERVICE EQUIPMENT SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE LOCAL POWER UTILITY CO. AND CITY REQUIREMENTS. VERIFY AND COORDINATE WITH POWER UTILITY CO. AND AHJ BEFORE BID AND INSTALLATION.
- E. COMPLY WITH NFPA 70E SAFETY REQUIREMENTS.
- F. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF ELECTRICAL SERVICE WITHIN PROJECT SCHEDULE. COORDINATE ALL COST FOR LABOR AND MATERIALS WITH LOCAL ELECTRICAL UTILITY COMPANY PRIOR TO BID. ALL COST ASSOCIATED WITH THE DELIVERY OF ELECTRICAL SERVICE INCLUDING ALL MATERIALS SHALL BE INCLUDED IN BID. TRANSITION OF NEW ELECTRICAL SERVICE SHALL PROCEED IN WEEKENDS OR HOLIDAYS, INCLUDE ALL COST IN BID FOR OVERTIME FROM ELECTRIC UTILITY COMPANY. NO ADDITIONAL PAYMENT WILL BE MADE FOR SERVICE DELIVERY COSTS AFTER CONTRACT HAS BEEN AWARDED.
- G. THE CONTRACTOR SHALL FURNISH SHORT-CIRCUIT AND PROTECTION DEVICE COORDINATE STUDIES WHICH SHALL BE PREPARED BY THE EQUIPMENT GEAR MANUFACTURER.
- H. THE CONTRACTOR SHALL FURNISH AN ARC FLASH HAZARD ANALYSIS STUDY PER NFPA 70E STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE, REFERENCE ARTICLE 130.3 AND APENDEX D.
- I. CONTRACTOR SHALL INCLUDE ALL COST TO PROVIDE SHORT CIRCUIT AND PROTECTIVE DEVICE. THE SHORT-CURCUIT AND PROTECTIVE DEVICE COORDINATE STUDIES SHALL BE SUBMITTED TO THE DESIGN ENGINEER PRIOR TO RECEIVING FINAL APPROVAL OF THE DISTRIBUTION EQUIPMENT SHOP DRAWINGS AND/OR PRIOR TO RELEASE OF EQUIPMENT DRAWINGS FOR MANUFACTURING, APPROVAL FROM THE ENGINEER MAY BE OBTAINED FOR PRELIMINARILY SUBMITTAL OF SUFFICIENT STUDY DATA TO ENSURE THAT THE SELECTION OF DEVICE AND CHARACTERISTICS WILL BE SATISFACTORY.

Texas Firm No. F-18526  
1803 Mozelle St., Pharr, Texas  
78577  
Ph: (936) 688-8860  
RSALAZAR@TRIMADSTX.COM  
JPerez@TRIMADSTX.COM  
FCARMONA@TRIMADSTX.COM

Luis Eduardo Rodriguez  
23047  
124403  
LICENSED PROFESSIONAL ENGINEER

25 FEB 2025

CITY OF SAN JUAN  
709 S NEBRASKA AVE.  
SAN JUAN, TEXAS  
78589

CITY OF SAN JUAN  
LIFT STATION NO.6 RELOCATION PROJECT

Revision	Description	Date
1	Addendum #5	2025-04-15

PROJ. NO.: 23 04 71  
DESIGNED: J.M.P.  
DRAWN: J.M.P.

DRAWING NUMBER  
SHEET NUMBER E4.1