

**CITY OF MISSION
SOLICITATION, OFFER AND AWARD FORM**

**SOLICITATION INFORMATION
REQUEST FOR BIDS (RFB)**

1. BID NO.: 19-183-04-22	4. BRIEF DESCRIPTION: <h2 style="margin: 0;">Reconstruction of Lift Station No. 35</h2>
2. ISSUE DATE: April 08, 2019	
3. FOR INFORMATION CONTACT: (No collect calls) NAME: Crissy Cantu, Buyer TELEPHONE: (956) 580-8667 FAX: (956) 580-8798 E-MAIL: ccantu@missiontexas.us	
5. PRE-BID CONFERENCE/GENERAL CONTRACTORS MEETING: *** There will be a conference. *** LOCATION: CITY OF MISSION 1201 E. 8 TH STREET MISSION, TX 78572 DATE: April 15, 2019 TIME: 10:00 am	6. ADVERTISING DATES: 1 st Week of Advertisement Date: __04__ / __08__ / __19__ 2 nd Week of Advertisement Date: __04__ / __15__ / __19__
7. SUBMIT OFFER TO: <u>Mailing/Hand/Commercial Courier Delivery</u> City of Mission Purchasing Department 1201 E. 8 th Street Room R-101 Mission, TX 78572 Bid # 19-183-04-22	8. OFFER SUBMISSION DUE DATE AND TIME: DATE: April 22, 2019 TIME: 2:00 PM CST
9. No Facsimiles or late arrivals will be accepted. Any bids received after offer submission due date and time will not be opened and will be returned. City of Mission Purchasing Department time stamp clock will be the governing time for acceptability of bids. Overnight mail must also be properly labeled on the outside of the express envelope or package in reference to RFB.	
10. SUBMIT WITH OFFER: Original offer and 2 photocopies including documents and attachments so indicated on Page 2 of this form.	
11. Offers submitted in response to an RFB <u>will</u> be opened publicly by The City of Mission Purchasing Department, immediately after the submission due date and time. Offers submitted in response to an RFP will <u>NOT</u> be publicly opened.	
12. FIRM OFFER PERIOD: Offers submitted shall remain firm for a period of 60 calendar days from the final due date for bids.	
13. NOTE: For Invitation for Bids, "offer" and "offeror" mean "bid" and "bidder".	

OFFER
(To be completed by Offeror)

14. In compliance with the above, the undersigned agrees, if this offer is accepted within the period specified in Block 12, above, to furnish any or all items, or provide the service(s), upon which prices are offered in the Schedule at the price set opposite each item or service, and to deliver the item(s) and or perform the service(s) at the designated location(s) within the time specified.	
15. BIDDERS NAME, ADDRESS: (Type or Print)	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN THE OFFER: (Type or Print)
TELEPHONE: CELL PHONE:	17. BIDDERS SIGNATURE & DATE:
E-MAIL: FAX:	

AWARD
(To be completed by City of Mission)

18. TOTAL AMOUNT OF AWARD:
19. PURCHASING AGENT SIGNATURE & DATE OF AWARD:
Name: _____ Signature: _____ Date: ____/____/____

SOLICITATION INDEX

20. CONTENTS: (DOCUMENTS WITH A YES ARE TO BE SUBMITTED WITH OFFER)

	NAME	FORM DESCRIPTION	SUBMIT WITH OFFER?
●	Cover Sheet	Solicitation, Offer and Award Form (Complete in its entirety to include Sign and Date)	YES
●	Instructions to Bidders	General Terms & Conditions	YES
		Bid Bond of 5% of Total Amount of Bid	YES
		Delivery Terms	YES
		Insurance Certificate	NO
●	Specifications/Scope of Work	Description of Reconstruction of Lift Station No. 35	YES
●	Non-Collusive Bidding Certificate	Vendor Acknowledgement Form	YES
●	Pricing Schedule	Signed and Completed	YES
●	Addenda Checklist	Confirmation Receipt of Addendum(s)	YES
●	Disclosure of Interested Parties	Certificate of Interested Parties	NO
●	Bidder's General Questionnaire	General Questions (Supporting Documentations)	YES
●	Schedule of Subcontractor(s)/Subconsultant(s)	Attachment #1	YES
●	CIQ Questionnaire	Conflict of Interest Questionnaire	YES
●	Contractor Site Visit Checklist	Contractor Site Visit Checklist	YES

21. ACKNOWLEDGMENT OF ADDENDUMS:		ADDENDUMS #	DATE	ADDENDUMS #	DATE
Offeror acknowledges receipt of the following addendum(s) to the solicitation:					
(Identify addendum number and date of each.)					

*****Firm name and authorized signature must appear on each page that calls For this information. Failure to do so may disqualify your Bid *****

City of Mission
Instructions to Bidder – General Terms & Conditions
Reconstruction of the Lift Station No. 35 Bid#19-183-04-22

Please read your scope of service thoroughly and be sure that the offered complies with all requirements. If you are the successful bidder, it will be required that **“Reconstruction of the Lift Station No. 35”** be provided as specified.

(1) Sealed bids will be received for **“Reconstruction of the Lift Station No. 35”** in accordance with the scope of service attached hereto.

(2) The Scope of Service are the minimum requirements. There is no intention to disqualify any bidder who can exceed the scope of service.

(3) **One (1) original and two (2) copies** of RFB **must** be enclosed in a **sealed envelope with vendor’s name and return address clearly typed/printed on upper left hand corner and proper notation clearly type/printed on the lower left hand corner “Request for Bids” –“Reconstruction of the Lift Station No. 35”** and delivered to City of Mission Purchasing Department, 1201 East 8th Street, R-101, Mission, Texas 78572 on or before 2:00 p.m., Monday, April 22, 2019. **No Facimiles or late arrivals will be accepted. Any RFB received after that time will not be opened and will be returned. Overnight mail must also be properly labeled on the outside of express envelope or package in reference to RFB.**

(4) Bids must give full firm name and address of bidder, and be manually signed. Failure to do so may disqualify your Bid. Person signing bid must show title or **AUTHORITY TO BIND HIS FIRM IN A CONTRACT.** Firm name and authorized signature must appear on each page that calls for this information.

(5) Acknowledgment of Addendums to Invitation for Bids

(a) If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.

(b) Bidders shall acknowledge receipt of any addendums to this solicitation: (1) by signing and returning the addendums; or (2) by identifying the addendums number and date in the space provided for this purpose on the bid form; or (3) by letter or telegram. The City must receive the acknowledgment by the time and at the place specified for receipt of bids.

(6) Interest of Public Officials

The offeror represents and warrants that no employee, official, or member of the Council (Executive Committee) of the City is or will be peculiarly interested in or benefited directly or indirectly as a result of this contract.

(7) Covenant Against Gratuities

The offeror represents as part of its offer that neither it nor any of its employees, representatives or agents have offered or given gratuities (in the form of entertainment, gifts or otherwise) to any director, officer or employee of the City with the view toward securing favorable treatment in the awarding, amending, or the making of any determination with respect to the performing of the contract.

(8) Preparation of Bids

(a) Bidders are expected to examine the Pricing Schedule, General Terms & Conditions, all drawings, specifications, the statement of work, and all other provisions of, and attachments to, the solicitation, whether incorporated by reference or otherwise, prior to the submission of bids. Failure to do so will be at the bidder's risk.

(b) Each bidder shall furnish the information required by the solicitation. Bids shall be submitted on the bid form contained in the solicitation. Bidders shall sign and print or type their name on the bid form and each continuation sheet on which they make an entry. Erasures or other changes must be initialed by the person

signing the bid. Bids signed by an agent of the bidder (other than an officer or a partner of the bidder) are to be accompanied by evidence of the agent's authority (unless such evidence has been previously furnished to the City).

(c) All blanks on the bid form shall be filled in by typewriter or printed in ink with a firm fixed unit price for items bid. Unit prices shall include packing unless otherwise specified. In case of any discrepancy between a unit price and any extended or total price required by the bid form, the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

(d) Bids for property or services other than those specified in the Schedule will not be considered unless specifically authorized in the solicitation. Any condition, qualification, or limitation of the bid may be a basis for rejection of the bid as nonresponsive.

(e) The bidder must state a definite time for delivery of property or for performance of services unless otherwise specified in the solicitation. All measurements shall be in the system of weights and measures in common usage in the United States, and pricing shall be in U.S. dollars.

(9) Submission of Bids

(a) Bids and modifications thereof shall be enclosed in sealed envelopes or sealed cartons and submitted to the Buyer of the City of Mission at the address specified in the solicitation. The bidder shall show the hour and date specified in the solicitation for receipt of bids, the solicitation number, and the bidder's name, address, and telephone number on the face of the envelope or carton.

(b) Telegraphic bids will not be considered unless authorized by the solicitation; however, bids may be modified or withdrawn by written or telegraphic notice, provided such notice is received prior to the hour and date specified for receipt of bids.

(c) Samples of items, when required, must be submitted within the time specified and, unless otherwise specified in the solicitation, at no expense to the City. If not destroyed by testing, samples will be returned at the bidder's request and expense, unless otherwise specified in the solicitation.

(d) Each copy of the bid shall include the legal name of the bidder and a statement whether the bidder is a sole proprietorship, a corporation, or any other legal entity. A bid for a corporation shall further give the state of incorporation and have the corporate seal affixed to it.

(10) Explanation to Bidders

Any explanation desired by a bidder regarding the meaning or interpretation of the solicitation, drawings, specifications, etc., must be requested in writing from the City's authorized representative and with sufficient time allowed for a reply to reach bidders before the submission of bids. **Any communication held with city employees, council members, or representatives other than the purchasing staff may be subject to rejection of bid.** Oral explanations or instructions given before the award of any contract, at any pre-bid conferences or otherwise, will not be binding on the City. Any information given to a bidder concerning an interpretation of the solicitation will be furnished to all bidders as an addendum to the solicitation, if such information is necessary to bidders in submitting bids on the solicitation or if the lack of such information would be prejudicial to uninformed bidders.

(11) Acknowledgment of Addendums to Invitation for Bids

(a) If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.

(b) Bidders shall acknowledge receipt of any addendums to this solicitation: (1) by signing and returning the addendums; or (2) by identifying the addendums number and date in the space provided for this purpose on the bid form; or (3) by letter or telegram. The City must receive the acknowledgment by the time and at the place specified for receipt of bids.

(12) Bids **cannot** be altered or amended after opening time. Alterations made before opening time must be initialed by bidder guaranteeing authenticity. No Bid may be withdrawn after opening time without acceptable reason in writing and only after approval by the City of Mission.

(13) STATE SALES TAX MUST NOT BE INCLUDED IN BID.

(14) No substitutions or cancellations permitted without written approval of the City of Mission.

(15) Any additions, deletions, or variations from the following specifications will not be allowed. Any parts not specifically mentioned which are necessary for the work to be complete and for use or which are normally furnished as standard equipment shall be furnished by the successful Bidder and shall confirm in strength, quality, and workmanship to the accepted standard of the industry.

(16) Number of days required to deliver **“Reconstruction of the Lift Station No. 35”** after receiving order must be stated in bid. Failure to so state will obligate bidder to complete the project within **ninety (90) calendar days.**

a) Completion/Acceptance of project should not exceed 90 calendar days. Exceeding the number of days shall result in rejection of bid.

Days to complete work as per scope of work/specs after receipt of notice to proceed: _____ calendar days.

(17) When delay can be foreseen, bidder shall give prior notice to the City of Mission. Bidder must keep City of Mission advised at all times of status of order. Default in promised delivery (without acceptable reasons) or failure to meet specifications, authorizes the City of Mission to purchase such deliver **“Reconstruction of the Lift Station No. 35”** off contract. The contractor will be liable for any increase in cost incurred due to defaulting for **“Reconstruction of the Lift Station No. 35”.**

a. Acceptable reasons for delayed delivery(ies) are as follows; Act of God (floods, tornadoes, hurricanes, etc.), acts of government, fire strikes, war or any actions beyond the control of the successful Bidder.

(18) The City may hold Bids **60 days** after Bid opening without taking action. Bidders are required to hold their Bids firm for same period of time.

(19) Construction Schedule

(a) Promptly after contract award within seven (7) calendar days, the Contractor shall meet with the City Engineer and Purchasing Staff to discuss project scheduling and, at that meeting, shall submit a practicable schedule showing the order in which the Contractor proposes to perform the work and the dates on which the Contractor contemplates starting and completing the several salient features of the work (including acquiring materials, plant, and equipment). The schedule shall be in the form of a network analysis of suitable scale to indicate appropriately the percentage of the Contractor's work breakdown schedule which will be completed by any given date during the period. If the Contractor fails to submit a schedule within the time prescribed, Purchasing may proceed with termination and collection on bonds.

(b) The Contractor shall enter the actual progress on the schedule as directed by the City Engineer and, upon doing so, immediately shall deliver a copy of the annotated schedule to the City Engineer. If, in the opinion of the City Engineer, the Contractor falls behind the approved schedule, the Contractor shall take steps necessary to improve its progress, including those that may be required by the City Engineer, without additional cost to the City. In this circumstance, the City Engineer may require the Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction plant, and to submit for approval any supplementary schedule or schedules in chart form as the City Engineer deems necessary to demonstrate how the approved rate of progress will be regained.

(c) Failure of the Contractor to comply with the requirements of the City Engineer under this clause shall be grounds for a determination by the City Engineer that the Contractor is not prosecuting the work with sufficient diligence to ensure completion within the time specified in the contract. Upon making this determination, the City Engineer and Purchasing Director may terminate the Contractor's right to proceed with the work, or any separable part of it, in accordance with the terms of this contract.

(20) Default

(a) If the Contractor refuses or fails (i) to commence the work within the time required by this contract, (ii) to prosecute the work or any separable part with the diligence that will ensure its completion within the time specified in this contract, including any extension, (iii) to provide sufficient and properly skilled workmen or proper materials or equipment to complete the work in an acceptable manner and without delay, (iv) to promptly pay its subcontractors, laborers, and materialmen, (v) to perform any of its other obligations under this contract, or (vi) to complete the work within the time specified in this contract ("events of default"), the City may, by written notice to the Contractor, terminate the right to proceed with the work (or the separable part of the work). In this event, the City may take over the work and complete it by contract or otherwise, and may take possession of and use any materials, appliances, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to the City resulting from events of default, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the City in completing the work.

(b) The Contractor's right to proceed shall not be terminated because of delays nor the Contractor charged with damages under this clause, if --

(1) the delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor (examples of such causes include (i) acts of God or of the public enemy, (ii) acts of the City in either its public or contractual capacity, (iii) acts of another Contractor in the performance of a contract with the City, (iv) fires, (v) floods, (vi) epidemics, (vii) quarantine restrictions, (viii) strikes, (ix) freight embargoes, (x) unusually severe weather, or (xi) delays of subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both the Contractor and the subcontractors or suppliers); and

(2) the Contractor, within 10 days from the beginning of any delay (unless extended by the City Engineer), notifies the City Engineer and Purchasing Staff in writing of the causes of delay. The City Engineer shall ascertain the facts and the extent of the delay. If, in the judgment of the City Engineer, the findings of fact warrant such action, the time for completing the work shall be extended.

(c) The rights and remedies of the City in this clause are in addition to any other rights and remedies provided by law or under this contract. Time is of the essence for all delivery, performance, submittal, and completion dates in this contract.

(21) Evaluation and Basis for Award

(A) Award of Contract

(a) If the competitive sealed bidding requirement applies to the contract for goods or services, the contract must be awarded to the lowest responsible bidder or to the bidder who provides goods or services at the best value for the municipality.

(b) In determining the best value for the municipality, the municipality may consider:

- 1) the purchase price;
- 2) the reputation of the bidder and of the bidder's goods or services;
- 3) the quality of the bidder's goods or services;
- 4) the extent to which the goods or services meet the municipality's needs;
- 5) the bidder's past relationship with the municipality;
- 6) the impact on the ability of the municipality to comply with laws and rules relating to contracting with historically underutilized businesses and nonprofit organizations employing persons with disabilities;
- 7) the total long-term cost to the municipality to acquire the bidder's goods or services; and
- 8) any relevant criteria specifically listed in the request for bids or proposals

(B) One Award

One contract award will be made under this Request for Bids. Multiple contract awards shall not be made.

- (22) The City of Mission reserves the right to reject any or all bids, to waive any or all formalities or technicalities, and to make such awards of contract as may be deemed to be the best and most advantageous to the City of Mission.
- (23) Unless otherwise specified, any catalog or manufacturer's reference or brand name used in describing an item is merely descriptive, and not restrictive, and is used only to indicate type, style or quality of material desired. If a bidder quotes on an article other than the one specified, which he/she considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. In the absence of these qualifications, he/she will be expected to furnish the article called for.
- (24) The Bidder agrees to indemnify and save harmless the City, the Purchasing Agent and any assistants from all suits and actions of every nature and descriptive brought against them or any of them, for or on account of the use of patented appliances, products or processes, and he/she shall pay all royalties and charges which are legal and equitable. Evidence of such payment or satisfaction shall be submitted upon request of the Purchasing Agent, as a necessary requirement in connection with the final estimate for payment in which such patented appliance, products or processes are used.
- (25) Bidder shall carefully examine the bid forms, specifications, and instructions to Bidder. Should the Bidder find discrepancies in, or omissions from Bid forms, specifications, or other documents, or should he/she be in doubt as to their meaning, he/she should at once notify the Purchasing Agent (Mission City Hall, (956) 580-8667) and obtain clarification by addendum prior to submitting any Bid.

(26) BILLING AND PAYMENT INSTRUCTIONS:

Invoices must include:

- a. Name and address of successful vendor
- b. Name and address of receiving department or official
- c. Purchase Order Number (if any)
- d. Notation - **"Reconstruction of the Lift Station No. 35"**
- e. Descriptive information as to the items or services delivered, including product code, item number, quantity etc.

The City of Mission will execute payment by mail within thirty (30) working days after each percentage of work has been completed and found to meet specifications for **"Reconstruction of the Lift Station No. 35"** as indicated below. No other method of payment will be considered. Payment will be authorized in the following manner:

Payment #1:	45% of price at 50% completion
Payment #2:	45% of price at 100% completion
Payment #3: (10% Retainage)	31 days after completion of project

The City of Mission will execute payment by mail within thirty (30) working days after **"Reconstruction of the Lift Station No. 35"** have (has) been received/completed and found to meet the City of Mission requirements. No other method of payment will be considered.

- (27) The geographical location(s) of bidder's facilities referenced **"Reconstruction of the Lift Station No. 35"** are given due consideration in determining the lowest responsible bidder. All items will be evaluated and awarded individually on in any combination thereof.
- (28) Funds for this procurement have been provided through the City budget for this fiscal year only. City, on an annual basis, has the right to reconsider a contract during the budget process for the ensuing years if financial resources of City are insufficient to meet the liabilities of said contract. The award of a bid or contract hereunder will not be construed to create a debt of the City which is payable out of funds beyond the current fiscal year.
- (29) The bidder is specifically advised that the bid must be accompanied by a bid bond from a reliable surety company licensed to operate in the State of Texas, totaling five percent (5%) of the total amount of the bid for each project, as a guaranty that if awarded the bid, the bidder shall meet all specification requirements and delivery date(s). A certified cashier's check will be allowed in lieu of a bid bond for five (5%) of the total amount for each project.

- a) Bidder's failure to comply with specification requirements and delivery date(s) shall forfeit the check(s) or bid bond(s) as identified in this paragraph of these general terms and conditions to bidders. Such check(s) or bid bond(s) will be returned to all except three lowest bidders within ten(10) business days after opening of bids, and the remaining check(s) or bid bond(s) to exclude the successful bidders will be returned promptly after an official awarded of contract.
- b) Certified cashier's check or bid bond from a reliable surety company of the awarded bidder shall be returned upon receipt of final delivery/acceptance of said goods or services along with payment/performance bond(s) by the Owner. If no award has been made within (60) days after opening of bids, check(s) and/or bid bond(s) will be returned accordingly.

(30) All contracts shall require the contractor, before beginning the work, to execute to the City a payment of bond of the contract amount if in excess of \$25,000.00 and a performance bond if the contract is in excess of \$100,000.00.

(31) Bidders are advised that any part of the scope of service/specifications that are not met within the time of delivery regardless of how major or minor it might be or shall be grounds for none acceptance of delivery and forfeiture of bid bond.

(32) The City of Mission reserves the right to waive or take exception to any part of the specifications when in the best interest of the City of Mission.

(33) LIQUIDATED DAMAGES FOR DELAY: And the CONTRACTOR agrees that time is the essence of this contract, and that for each day of delay beyond the number of working days herein agreed upon for the completion of the work herein specified and contracted for (after due allowance for such extension of time as is provided for under Extension of Time herein) above the OWNER may withhold permanently for the CONTRACTOR'S total compensation, the sum of two hundred per day Dollars \$200.00/day as stipulated damages for such delay.

(34) Accident Prevention

(a) In performing this contract, the Contractor shall provide for protecting the lives and health of employees and other persons; preventing damage to property, materials, supplies, and equipment; and avoiding work interruptions. For these purposes, the Contractor shall: (1) provide appropriate safety barricades, signs, and signal lights; (2) comply with all safety standards required by federal, state, or local law and any additional standards customarily employed in connection with the type of work being performed or the conditions at the site; and (3) ensure that any additional measures the City Engineer determines to be reasonably necessary for this purpose are taken.

(b) The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment. The Contractor shall report this data in the manner prescribed by the Purchasing Staff.

(c) The Contracting Officer shall notify the Buyer of any noncompliance with these requirements and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's representative at the site of the work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to take corrective action promptly, the City Engineer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop order issued under these circumstances.

(d) The Contractor shall be responsible for its subcontractors' compliance with this clause.

(35) Permits and Responsibilities

The Contractor shall, without additional expense to the City, be responsible for obtaining any necessary licenses and permits and for complying with any federal, state, county, and municipal laws, codes, and regulations applicable to the performance of the work, including, but not limited to, any laws or regulations requiring the use of licensed contractors to perform parts of the work. The Contractor also shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence and shall take proper safety and health precautions

to protect the work, the workers, the public, and the property of others. The Contractor also shall be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.

(36) Insurance Requirements for Supply/Services and/or Construction

(a) Required Coverage. The Contractor shall, at all times during the term of this contract and extended terms thereof, provide and maintain the following types of insurance protecting the interests of the City of Mission and the Contractor with limits of liability not less than those specified below.

Commercial General Liability insurance or its equivalent, **listing City of Mission as an additional insured**, providing limits of not less than \$500,000 for bodily injury and property damage per occurrence, consistent with potential exposure to City under the Texas Tort Claims Act. Coverage should include injury to or death of persons and property damage claims arising out of the services, construction, etc. provided with a general aggregate of \$1,000,000, and a products and completed operations aggregate of \$1,000,000. Coverage should include: Damaged to rented premises at a minimum of \$100,000 per occurrence. There shall not be any policy exclusions or limitations for the following as well:

- Contractual Liability covering Contractor's obligations herein
- Personal Injury Advertising Liability
- Medical Payments
- Fire Damage Legal Liability
- Broad Form Property Damage
- Liability for Independent Contractors

(b) Automobile liability insurance policy with combined single limit of at least Five Hundred Thousand Dollars (\$500,000.00) per occurrence, consistent with potential exposure to City under the Texas Tort Claims Act.

(c) Uninsured/Underinsured motorist coverage in an amount equal to the bodily injury limits set forth immediately above;

(d) A Five Hundred Thousand Dollar (\$500,000.00) Comprehensive General Liability insurance policy providing additional coverage to all underlying liabilities of City consistent with potential exposure of City under the Texas Tort Claims Act;

(e) Workers' Compensation and Employers' Liability- insurance is equivalent to State of Texas Workers' Compensation Statutory Limits, providing limits of not less than \$1,000,000 for each accident, each disease per employee \$1,000,000, and policy limit of no less than \$1,000,000. There shall not be any policy exclusions or limitations.

(f) Certificates of Insurance. Before commencing execution of this contract, and within 7 calendar days from date of award of contract, the Contractor shall furnish Original proof of insurance via Certificates of Insurance satisfactory to the City of Mission at the following addresses,

City of Mission
Crissy Cantu, Purchasing Buyer
1201 E. 8th Street, R-101
Mission, TX 78572
Bid # 19-183-04-22

evidencing that insurance as required by paragraph (a) above is in force, stating policy number dates of expiration and limits of liability thereunder. All copies of policies and Certificates of Insurance submitted to the City shall be in a form and content acceptable to the City.

(g) Approval of Forms and Companies. All coverage described in this contract shall be in a form and content satisfactory to the Purchasing Agent. No party subject to the provisions of this contract shall violate or knowingly permit to be violated any of the provisions of the policies of insurance described herein. All insurance should be

provided by insurance companies with a Best's rating of A- or better. Please include proof of such rating with your coverage documents.

(h) Additional Insured Endorsement. The policy or policies providing Commercial General Liability, and as otherwise required above, shall be endorsed to name City of Mission, their directors, officers, representatives, agents, and employees as Additional Insurers with respects to operations performed by or on behalf of the Contractor in the performance of this contract via ISO endorsements CG 2037 or its equivalent. The policy shall also be endorsed to name other interests as directed by City of Mission.

(i) Notice of Cancellation or Material Changes. Policies and/or Certificates shall **specifically** provide that a thirty (30) day notice of cancellation, non-renewal, or material change be sent to the City.

(j) Multiple Policies. The limits of liability as required above may be provided by a single policy of insurance or a combination of primary, excess, or umbrella liability policies. But in no event shall the total limit of liability of any one occurrence or accident be less than the amount shown above.

(k) Deductibles. Companies issuing the insurance policies and the Contractor shall have no recourse against the City for payment of any premiums or assessments for any deductibles, as all such premiums and deductibles are the sole responsibility and risk of the Contractor.

(l) Subcontractors. If any part of the work is sublet, the Contractor shall require any and all subcontractors performing work under this contract to carry General Liability and Products, and Construction Liability Insurance, with limits of liability that Contractor shall deem appropriate and adequate to protect the interests of the City. In the event a subcontractor is unable to furnish insurance in accordance to section (a) above, the Contractor shall endorse the subcontractor as an Additional Insured. Insurance certificates for subcontractors shall be furnished to the City of Mission upon request.

(m) No Release. The carrying of the above-described coverage shall in no way be interpreted as relieving the Contractor of any other responsibility or liability under this agreement, or any applicable law, statute, regulation, or order.

(37) Inspection of Construction

(a) The word "work" includes, but is not limited to, materials, workmanship, and manufacture and fabrication of components.

(b) The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work called for by this contract conforms to contract requirements. The Contractor shall maintain complete inspection records and make them available to the City. All work shall be conducted under the general direction of the Engineer and is subject to inspection and testing by the City at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.

(c) Inspections and tests by the City are for the sole benefit of the City and do not: (1) relieve the Contractor of responsibility for providing adequate quality control measures; (2) relieve the Contractor of responsibility for damage to or loss of the material before acceptance; (3) constitute or imply acceptance; or (4) affect the continuing rights of the City after acceptance of the completed work under paragraph (i) below.

(d) The presence or absence of an inspector from the City does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specifications without the Engineers written authorization.

(e) The Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Engineer. The City may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes reinspection or retest necessary. The City shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the contract.

(f) The Contractor shall, without charge, replace or correct work found by the Engineer not to conform to contract requirements, unless in the public interest the City consents to accept the work with an appropriate downward adjustment in contract price. The Contractor shall promptly segregate and remove rejected material from the premises.

(g) If the Contractor does not promptly replace or correct rejected work, the City may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor or (2) terminate for default the Contractor's right to proceed.

(h) If, before acceptance of the entire work, the City decides to examine already completed work by removing it or tearing it out, the Contractor, on request, shall promptly furnish all necessary facilities, labor, and material. If the work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its subcontractors, the Contractor shall defray the expenses of the examination and of satisfactory reconstruction. However, if the work is found to meet contract requirements, the Engineer shall make an equitable adjustment for the additional services involved in the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.

(i) Unless otherwise specified in the contract, the City shall accept, as promptly as practicable after completion and inspection, all work required by the contract or that portion of the work the Engineer determines can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the City's rights under any warranty or guarantee.

(38) Municipality's Right to Carry Out the Work

If the Contractor fails or refuses to carry out all or any part of the work in accordance with the contract requirements or within the contract schedule and fails or refuses to correct such deficiency within seven (7) days of receipt of written or verbal notice thereof from the City of Mission, the City, in its sole discretion and without waiving any other rights it may have, may elect to correct such deficiencies and charge the Contractor the cost of such corrections. Nothing in this clause shall relieve the Contractor of its obligation to perform the remainder of the work in accordance with the contract.

(39) Bidders must comply with all applicable federal, state, and local laws, rules, regulations and ordinances and statues relating to purchasing in the State of Texas in addition to the requirements of this form.

(40) **Bidders are advised that they must be in compliance with the below mentioned law:**

CHAPTER 176 OF THE TEXAS LOCAL GOVERNMENT CODE

Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that any vendor or person considering doing business with a local government entity disclose in the Questionnaire Form CIQ, the vendor or person's affiliation or business relationship that might cause a conflict of interest with a local government entity. By law, this questionnaire must be filed with the records administrator of the City of Mission not later than the 7th business day after the date the person becomes aware of facts that require the statement be filed. See Section 176.006, Local Government Code. A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

For more information or to obtain Questionnaire CIQ go to the Texas Ethics Commission web page at www.ethics.state.tx.us/forms/CIQ.pdf.

IF YOU HAVE ANY QUESTIONS ABOUT COMPLIANCE, PLEASE CONSULT YOUR OWN LEGAL COUNSEL. COMPLIANCE IS THE INDIVIDUAL RESPONSIBILITY OF EACH PERSON OR AGENT OF A PERSON WHO IS SUBJECT TO THE FILING REQUIREMENT. AN OFFENSE UNDER CHAPTER 176 IS A CLASS "C" MISDEMEANOR.

(41) **Disclosure of Interested Parties**

Contractor is to comply with Government Code Section 2252.908 enacted by H.B. 1295, which prohibits a government entity or state agency from entering into certain contracts with a business entity unless the business

entity submits a disclosure of interested parties. For more information go to the Texas Ethics Commission web page at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

(42) **Termination of Contract:** The City of Mission reserves the right to terminate the contract if, in the opinion of the City of Mission, the successful vendor's performance is not acceptable, if the City is being repeatedly overcharged, improperly charged, no funds available, or if the City wishes, without cause, to discontinue this contract. Termination will be in written form allowing a 30-day notice.

(43) **Appeal Process**

An appeal may be brought by the lowest bidder deemed to have been non-responsive and/or not responsible. Appeals are limited to the following:

1. Matters of bias, discrimination, or conflict of interest
2. Computing errors and alleged improprieties or ambiguities in bid specifications; and
3. Non-compliance with procedures described in solicitation or City Policy.

The appeal must be in writing and shall be filed with the Purchasing Director at:

Eduardo Belmarez, Purchasing Director
City of Mission
1201 E. 8th Street, Room R-101
Mission, Texas 78572

Appeals must include the following information:

- a. Name, address, email, telephone and fax number of appellant;
- b. Bid identification number;
- c. A detailed description of the legal and factual basis of the appeal (include any and all relevant documents, diagrams, photos, etc.);
- d. The desired outcome/solution;
- e. Signed and dated

All appeals must be filed within three (3) working days from the date of award by City Council. Untimely appeals will not be considered. Upon receipt of the appeal, the Purchasing Director will have three (3) working days to attempt to clarify or resolve any issues addressed in the request for appeal.

If the appeal is not resolved with the Purchasing Director, then it shall be considered at a public hearing at the next City Council meeting. All determinations made by the City Council are final.

CITY OF MISSION
PRICING SCHEDULE

BID NAME/NO.: "Reconstruction of the Lift Station No. 35" / 19-183-04-22

No.	Qty	UOM	Item Description	Total
1.	1	LS	Reconstruction of the Lift Station No. 35 (As Per Specs and Plans)	\$ _____
2.			Miscellaneous Allowance	\$20,000
3.			Total Lump Sum Amount	\$ _____

ALL PROJECTS WILL BE EVALUATED AND AWARDED INDIVIDUALLY OR IN ANY COMBINATION THEREOF.

Company Name: _____
Owner or President Name: _____
Company Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Fax Number: _____
Email: _____
Tax ID Number: _____

***Company Representative's Signature** **Date**

Company Representative's Name (Please Print)

Company Representative's Title

***Signature on this form indicates agreement with "Instructions to Bidder-General Terms and Conditions and Pricing Schedule"**

CITY OF MISSION
VENDOR ACKNOWLEDGMENT FORM - NON-COLLUSIVE BIDDING CERTIFICATION
Bid Name/No.: "Reconstruction of the Lift Station No. 35" / 19-183-04-22

I/We have read instructions to bidder and specifications. My/Our bid conforms to all bid specifications, conditions, and instructions as outlined by *CITY OF MISSION*.

Signing the Acknowledgment Form confirms that our company will enter into a binding contract with CITY OF MISSION for item(s) awarded to our company. I/We have read instructions to bidder and specifications.

The undersigned Bidder, by signing and executing this bid, certifies and represents to the CITY OF MISSION that Bidder has not been offered, conferred or agreed to confer any pecuniary benefit, as defined by §1.07(a)(6) of the Texas Penal Code, or any other thing of value as consideration for the receipt of information or any special treatment or advantage relating to this bid; the Bidder also certifies and represents that Bidder has not offered, conferred or agreed to confer any pecuniary benefit or other things of value as consideration for the recipient's decision, opinion, recommendation, vote or other exercise of discretion concerning this bid; the Bidder certifies and represents that Bidder has neither coerced nor attempted to influence the exercise of discretion by any officer, trustee, agent of employee of the CITY OF MISSION concerning this bid on the basis of any consideration not authorized by law; the Bidder also certifies and represents that Bidder has not received any information not available to other bidders so as to give the undersigned a preferential advantage with respect to this bid; the Bidder further certifies and represents that Bidder has not violated any state, federal or local law, regulation or ordinance relating to bribery, improper influence, collusion or the like and that Bidder will not in the future offer, confer, or agree to confer any pecuniary benefit or other thing of value to any officer, trustee, agent or member of the CITY OF MISSION in return for the person having exercised the person's official discretion, power or duty with respect to this bid; the Bidder certifies and represents that it has not now and will not in the future offer, confer, or agree to confer a pecuniary benefit or other thing of value to any officer, trustee, agent or member of CITY OF MISSION in connection with information regarding this bid, the submission of this bid, the award of this bid or the performance, delivery or sale pursuant to this bid.

Date: _____
Company Name: _____
Signature: _____
Title: _____

Note: This form must be filled in and submitted with the sealed bid.

ADDENDA CHECKLIST

Bid of: _____

(Bidder Company Name)

To: City of Mission

Ref.: Reconstruction of the Lift Station No. 35 RFB No.: 19-183-04-22

Ladies and Gentlemen:

The undersigned Bidder hereby acknowledges receipt of the following Addenda to the captioned RFB (initial if applicable).

No. 1 _____ No. 2 _____ No. 3 _____ No. 4 _____ No. 5 _____

Respectfully submitted,

Bidder: _____

By: _____

(Authorized Signature for Bidder)

Name: _____

Title: _____

Date: _____

**CITY OF MISSION
CONTRACTOR SITE VISIT CHECKLIST
Bid Name/No.: "Reconstruction of the Lift Station No. 35" / 19-183-04-22**

Bid of: _____
(Bidder Company Name)

To: City of Mission

Ref.: "Reconstruction of the Lift Station No. 35" / 19-183-04-22

Ladies and Gentlemen:

The undersigned Bidder hereby acknowledges site visit was done for the following projects:
(Please concur with a check mark and signature below)

Lift Station # 35
Glasscock Rd. and Expwy 83 in Mission, TX _____

Coordinate Site Visit with: Roberto Salinas
Public Works Director
(956) 580-8780

Respectfully submitted,

Bidder: _____

By: _____

(Authorized Signature for Bidder)

Name: _____

Title: _____

Date: _____

GENERAL BUSINESS QUESTIONNAIRE
(SUPPLIES, SERVICES AND CONSTRUCTION)

This questionnaire, the requested list of references and the authorization to release financial information are used in part to assist in determining a potential contractor's responsibility. Offerors shall submit the General Business Questionnaire information within two (2) work days from the date of notification by the City, or with the offer, if so indicated in the Table of Contents page 2 of the Solicitation, Offer and Award Form. All information must be current and traceable. Each venturer of a joint venture must submit a separate signed form.

City of Mission reserves the right to make additional inquiries based on information submitted, or the lack thereof. Questions concerning this questionnaire or the authorization form should be directed to the contact person identified on the Solicitation, Offer and Award Form. In cases where a question does not apply or if unable to respond, offeror should refer to the item number, repeat the question, and indicate N/A (Not Applicable) or N/R (No Response), as appropriate. Offeror will explain the reason when responding N/A or N/R.

1. Name of Offeror ("Business"): _____

2. List name(s) and business address of officers and directors for corporations, partners for partnerships, and venturers for joint ventures (attach additional pages as necessary).

3. Number of years in business under present business name: _____

4. If applicable, list all other names under which the Business identified above operated in the last 5 years.

5. Annual Gross Revenue (Past year): (M represents millions, K represents thousands)
\$100K or less \$100K-\$500K \$500K-\$1M \$1M-\$5M \$5M-\$10M
\$10M-\$16M \$16M or Over

6. Will bidder/proposer provide a copy of its financial statements for the past two (2) years, if requested by City of Mission? Yes No

7. Number of current employees: _____

8. Has the Business, or any officer or partner thereof, failed to complete a contract? Yes No

9. Is any litigation pending against the Business? Yes No

10. Is offeror currently for sale or involved in any transaction to expand or to become acquired by another business entity? If yes, offeror needs to explain the expected impact, both in organizational and directional terms. Yes No

11. Has the Business ever been declared "not responsible" for the purpose of any governmental agency contract award? Yes No
12. Has the Business been debarred, suspended, proposed for debarment, declared ineligible, voluntarily excluded, or otherwise disqualified from bidding, proposing, or contracting? Yes No
13. Are there any proceedings pending relating to the Business' responsibility, debarment, suspension, voluntary exclusion, or qualification to receive a public contract? Yes No
14. Has the government or other public entity requested or required enforcement of any of its rights under a surety agreement on the basis of a default or in lieu of declaring the Business in default? Yes No
15. Is the Business in arrears on any contract or debt? Yes No
16. Has the Business been a defaulter, as a principal, surety, or otherwise? Yes No
17. Have liquidated damages or penalty provisions been assessed against the Business for failure to complete work on time or for any other reason? Yes No
18. Does offeror have a contingency plan or disaster recovery plan in the event of a disaster? If so, then Bidder will provide a copy of the plan. Yes No
19. Does offeror have quality assurance program? If yes, offeror will describe its quality assurance program, its quality requirements, and how they are measured. Yes No
20. If a "yes" response is given under questions 9 through 19, please provide a detailed explanation including dates, reference to contract information, contacts, etc. (attach additional pages as necessary).

I, individually and on behalf of the business named in this Business Questionnaire, do by my signature below, certify that the information provided in this questionnaire is true and correct. I understand that any false statements or misrepresentations regarding the Business named above may result in: 1) termination of any or all contracts which City of Mission has or may have with the Business; 2) disqualification of the Business from consideration for contracts; 3) removal of the Business from City of Mission's vendors' list; or/and 4) legal action(s) applicable under federal, state, or local law.

Name: _____ Title: _____
 Signature: _____ Date: _____
 (Owner, CEO, President, Majority Stockholder or Designated Representative)

LIST OF REFERENCES FOR SIMILAR PROJECTS

Use additional pages as necessary.

1. Project:
Date of Completion (if applicable):
Contact Person:
Company Name:
Address:
Telephone Number:
Fax Number:
E-mail Address:

2. Project:
Date of Completion (if applicable):
Contact Person:
Company Name:
Address:
Telephone Number:
Fax Number:
E-mail Address:

3. Project:
Date of Completion (if applicable):
Contact Person:
Company Name:
Address:
Telephone Number:
Fax Number:
E-mail Address:

4. Project:
Date of Completion (if applicable):
Contact Person:
Company Name:
Address:
Telephone Number:
Fax Number:
E-mail Address:

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

- (i) a contract between the local governmental entity and vendor has been executed;
- or
- (ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

- (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
- (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
- (3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

- (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
- (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

- (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
- (B) that the vendor has given one or more gifts described by Subsection (a); or
- (C) of a family relationship with a local government officer.

**CITY OF MISSION
SPECIFICATIONS/PLANS**

BID NAME/NO.:

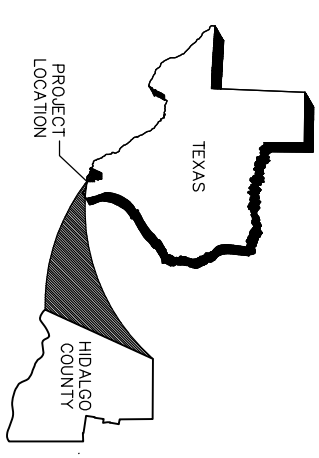
**Reconstruction of Lift Station No. 35 /
19-183-04-22**



CITY OF MISSION

HIDALGO COUNTY, TEXAS

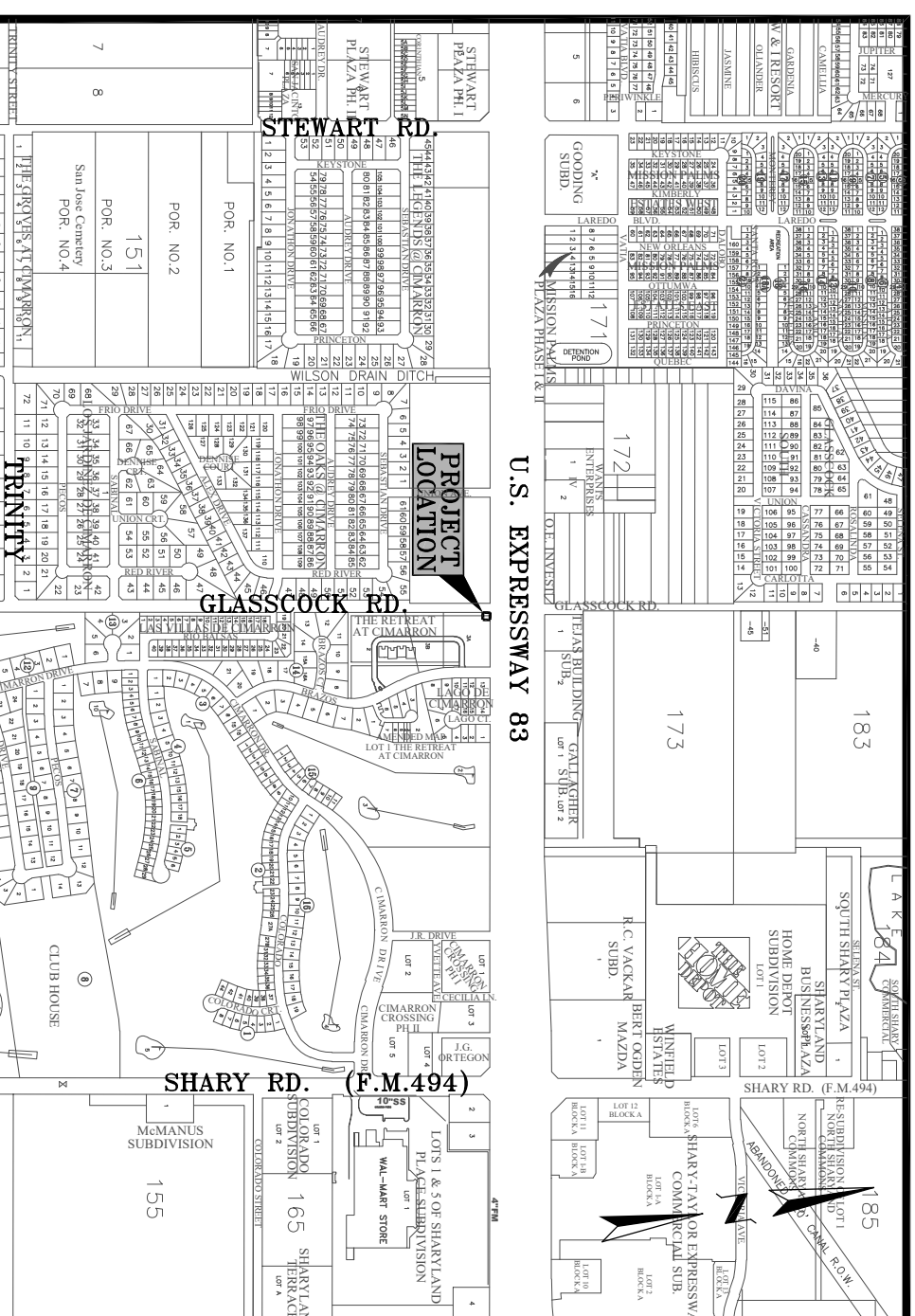
PUBLIC WORKS DEPARTMENT



LIFT STATION No.35 REHAB PROJECT

CITY OFFICIALS

MAYOR **DR. ARMANDO OCAÑA**
MAYOR PRO-TEM **NORIE GONZALEZ GARZA**
COUNCIL MEMBER **JESSICA ORTEGA-OCCHOA**
COUNCIL MEMBER **RUBEN PLATA**
COUNCIL MEMBER **GUS MARTINEZ**
CITY MANAGER **RANDY PEREZ**



LOCATION MAP

SCALE : 1" = 1000'

INDEX TO SHEETS

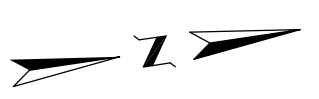
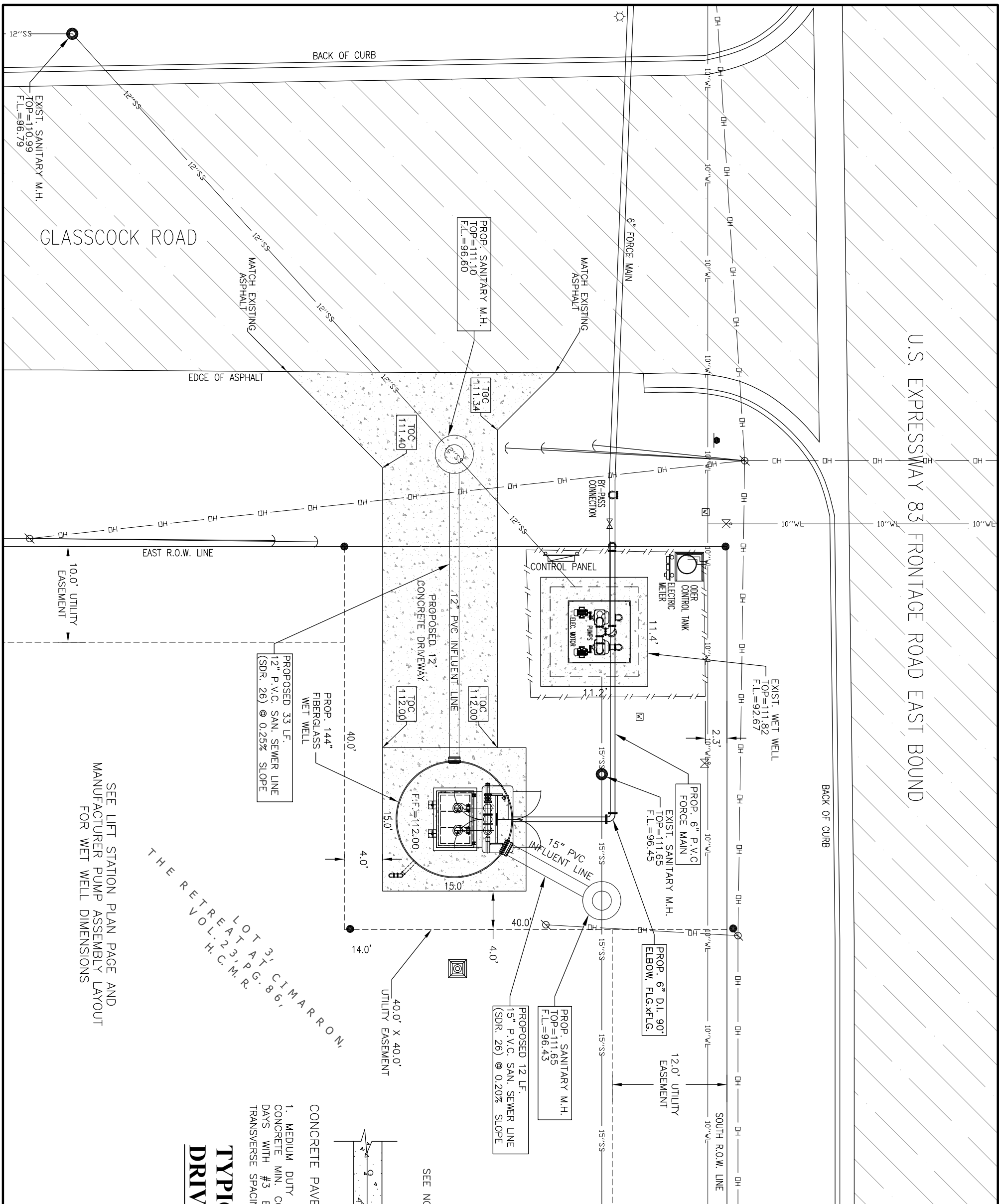
SHEET 1 **TITLE SHEET**
SHEET 2 **SITE PLAN**
SHEET 3 **LIFT STATION PLAN, GENERAL NOTES, CROSS SECTION AND DETAILS**
SEE MANUFACTURER'S PUMP ASSEMBLY LAYOUT FOR ADDITIONAL PAGES
PLAN APPROVED:

ROBERTO J. SALINAS, PUBLIC WORKS DIRECTOR	DATE
J.P. TERRAZAS, CITY ENGINEER	DATE

SURVEY CONTROL
 HORIZONTAL CONTROL IS BASED ON TEXAS STATE PLANE SOUTH ZONE NORTH AMERICAN DATUM OF 1983 (NAD 83). VERTICAL CONTROL IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



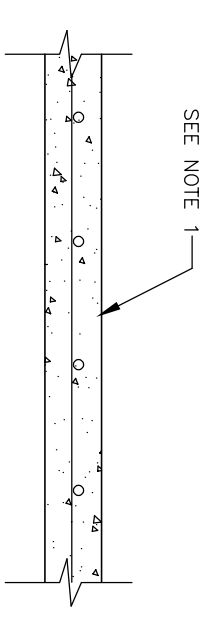
U.S. EXPRESSWAY 83 FRONTAGE ROAD EAST BOUND



SCALE: 1" = 10'

LEGEND

- R.O.W.
- H.C.M.R.
- HIDALGO COUNTY MAP RECORDS
- FND. NO. 4 REBAR
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- GUY WIRE
- STOP SIGN
- SEWER VALVE
- SANITARY SEWER MANHOLE
- WATER METER
- WATER VALVE
- ELECTRIC TRANSFORMER
- WOODEN FENCE
- OVERHEAD POWER LINE
- 10" WATER LINE
- 12" SANITARY SEWER LINE
- 15" SANITARY SEWER LINE
- PROPOSED TOP OF CONCRETE



CONCRETE PAVEMENT NOTES:

1. MEDIUM DUTY CONCRETE PAVEMENT SHALL BE 6.0" THICK CONCRETE MIN. COMPRESSIVE STRENGTH OF 3200 PSI IN 28 DAYS WITH #3 BARS, LONGITUDINAL SPACING OF 12" AND TRANSVERSE SPACING OF 24", WITH 8" LIME TREATED SUBGRADE.

TYPICAL CONCRETE DRIVEWAY SECTION
SCALE: N.T.S.

SEE LIFT STATION PLAN PAGE AND MANUFACTURER PUMP ASSEMBLY LAYOUT FOR WET WELL DIMENSIONS



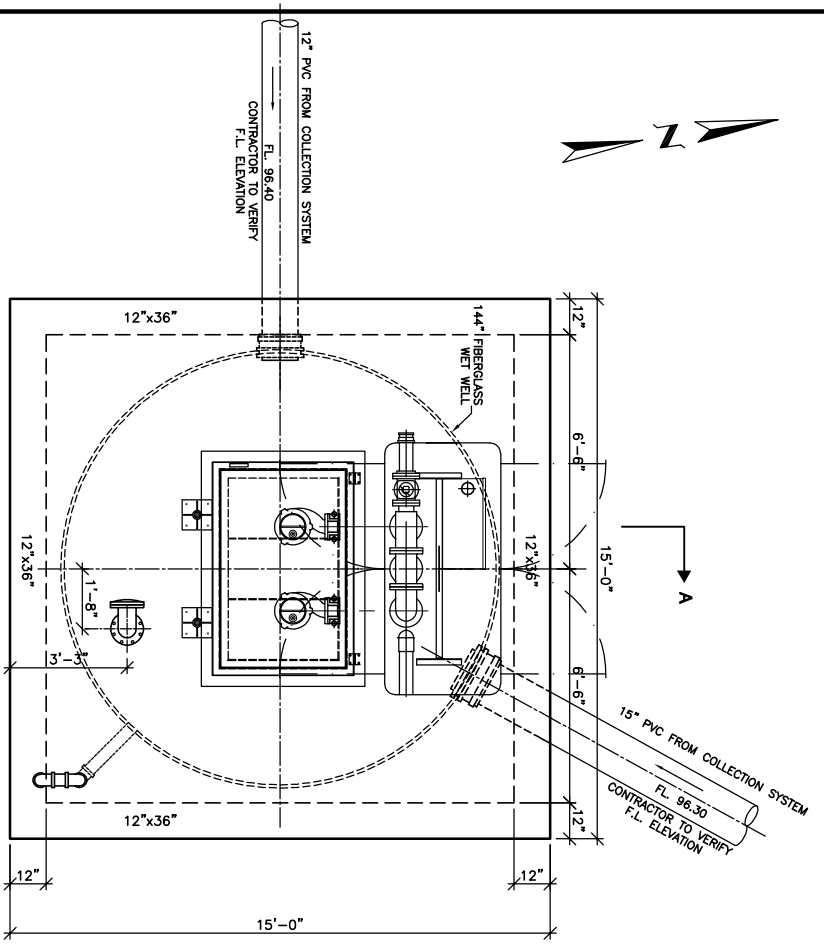
FILE NAME:	
DATE:	03-19-19
SURVEYED BY:	F.J.R.
DESIGNED BY:	
DRAWN BY:	F.J.R.
REVISED BY:	J.G.
CHECKED BY:	J.G.

TITLE:	LIFT STATION No. 35 SITE PLAN
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PUBLIC WORKS DEPARTMENT
CITY OF MISSION

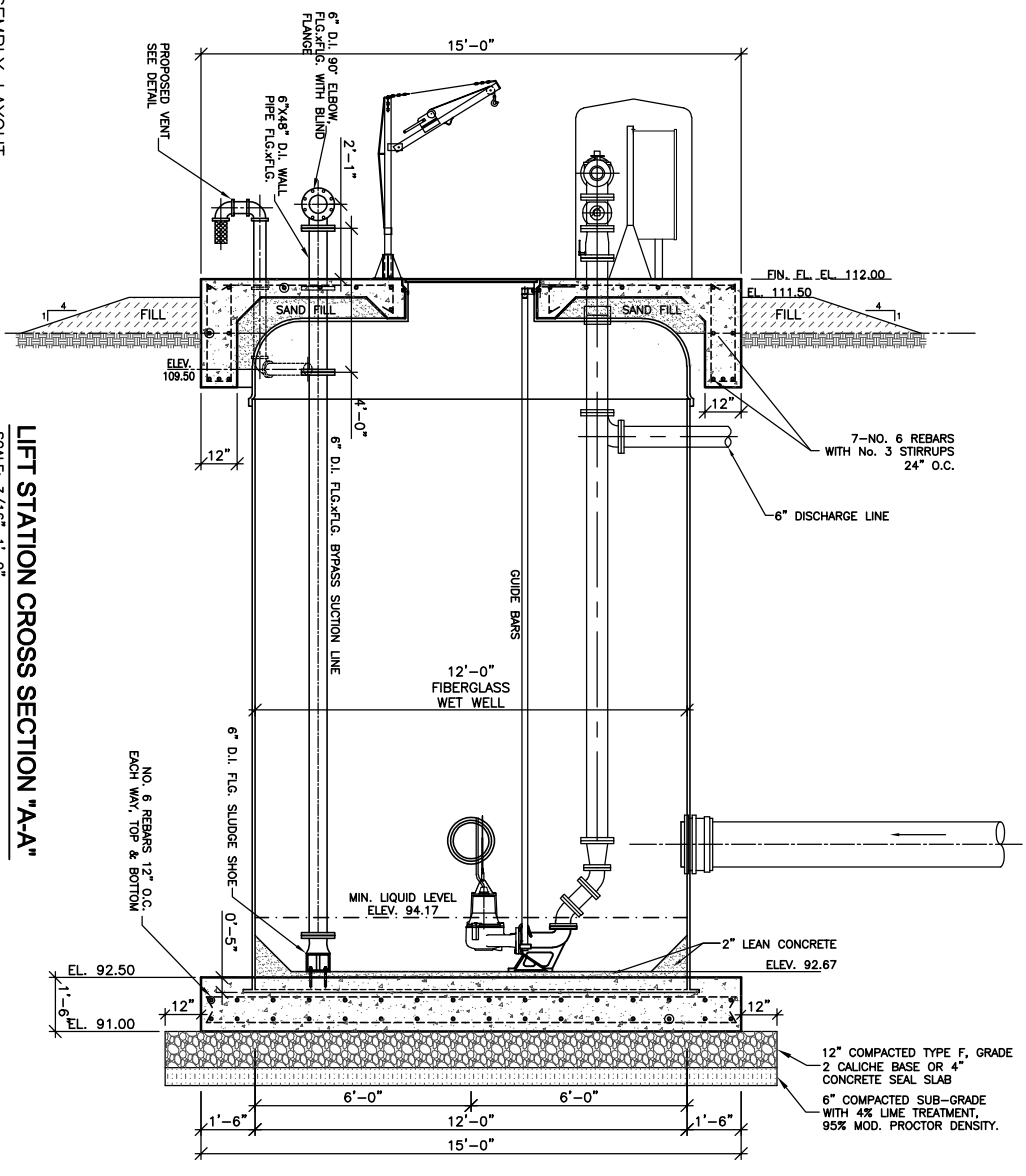
HOR. SCALE:	1" = 10'
VERT. SCALE:	1" = 10'
REVISIONS:	
1.	
2.	
3.	
4.	

DATE:	
SHEET NO.:	2

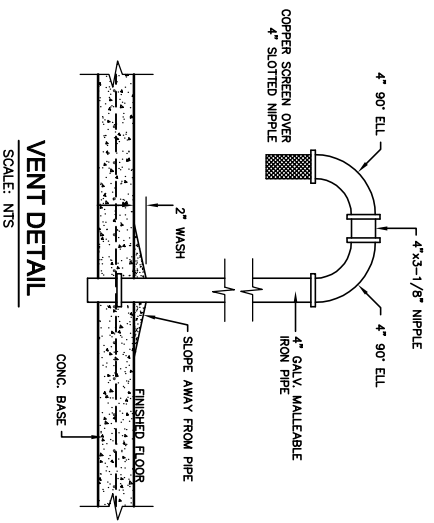


LIFT STATION PLAN VIEW
SCALE: 3/16"=1'-0"

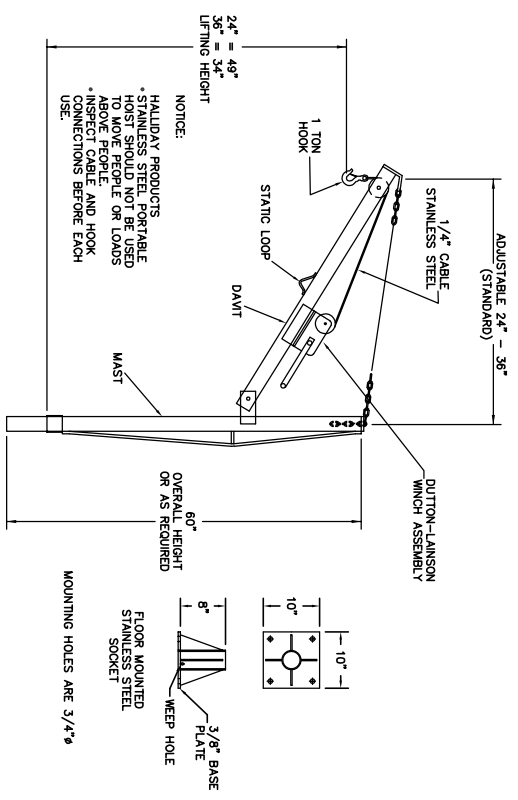
SEE MANUFACTURER PUMP ASSEMBLY LAYOUT FOR LOCATION OF PUMPS ASSEMBLY CONTROL BOX, BASE PLATE ANCHOR LOCATION AND ACCESS DOOR LOCATION



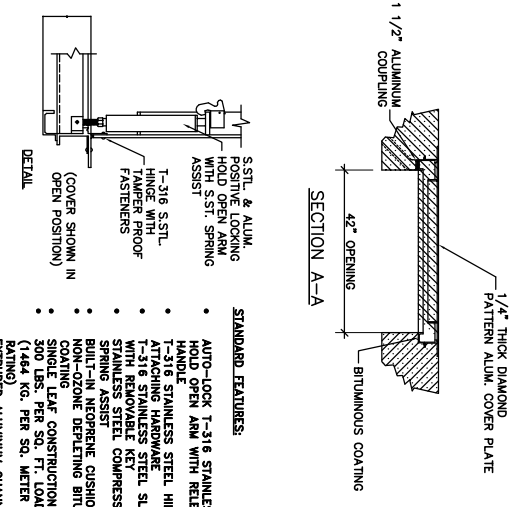
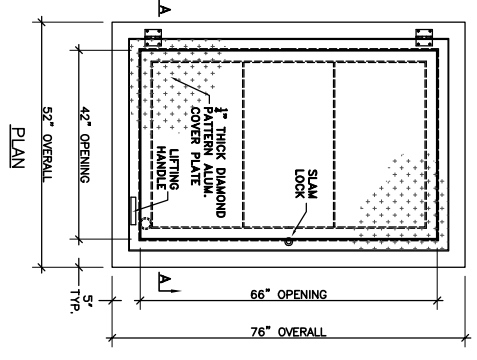
LIFT STATION CROSS SECTION "A-A"
SCALE: 3/16"=1'-0"



VENT DETAIL
SCALE: NTS



STAINLESS STEEL PORTABLE HOIST
SCALE: NTS



- STANDARD FEATURES:**
- AUTO-LOCK T-316 STAINLESS STEEL HANDLE
 - T-316 STAINLESS STEEL HINGES AND ATTACHING HARDWARE WITH REMOVABLE KEYS
 - STAINLESS STEEL SLAM LOCK
 - STAINLESS STEEL COMPRESSION SPRING ASSIST
 - BUILD-IN NEGATIVE CUSHION/GASKET
 - SINGLE LEAF CONSTRUCTION
 - 200 LBS. PER SQ. FT. LOAD RATING
 - 1744 KO. PER SQ. METER LOAD
 - EXTRUDED ALUMINUM CHANNEL FRAME
 - RECESSED LIFTING HANDLE
 - LIFETIME GUARANTEE

66"x42" ACCESS DOOR & DETAILS
SCALE: NTS

GENERAL NOTES

1. PAINTING METAL FIXTURES, DOORS, ETC., TO BE SHOP PRIMED AND FIELD PAINTED WITH TWO COATS OF PAINT, TYPE AND COLOR AS SPECIFIED BY OWNER OR ENGINEER.
2. SPOT OR SWIP WELDS NOT PERMITTED - ALL TO BE 100% FULL WELD.
3. ALL SURFACE INSIDE THE WET WELL EXCEPT FIBERGLASS SURFACE PUMPS, POWER AND CONTROL CABLES AND THE STAINLESS STEEL GUIDE RAILS SHALL BE COATED WITH 100% SOLIDS, THERMOSETTING, ELASTOMERIC, UNFILLED CHEMICALLY CURED POLYURETHANE COATING SYSTEM SHALL CONSIST OF ALL OF THE FOLLOWING:
 - A. PRIOR TO COATING, CLEAN ALL SURFACE BY WATER BLASTING WITH 10% MURIATIC ACID OR SANDBLASTING.
 - B. APPLY ONE COAT OF POLYBID 705X CONCRETE PRE-COAT AT 15 MILS DFT. ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - C. APPLY ONE COAT OF POLYBID 705 TOPCOAT AT 80 MILS DFT. ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
4. ALL OUTSIDE ANCHOR BOLTS, WALL INSERTS, ETC., TO BE HOT DIPPED GALVANIZED, AND CAST INTO CONCRETE AT TIME OF POUR. ANCHOR BOLTS, PIPE BRACKETS, ETC., INSIDE OF WET WELL ARE TO BE STAINLESS STEEL.
5. CONCRETE IS TO BE 5 1/2 SACK, 3,500 P.S.I.
6. COST IRON PIPE SHALL BE CLASS 150 FLANGED.
7. INFLUENT PIPE IN WET WELL TO BE CAST IRON WALL PIPE WITH CAST IRON BELL AND SPIGOT.
8. ALL GROUT AROUND PIPES EXPOSED TO SEWAGE OR GROUND WATER TO BE NON-SHRINKING TYPE.
9. ALL STEEL CLEARANCES TO BE 2", UNLESS OTHERWISE SHOWN. LAP AND ANCHOR ALL STEEL 40 DIA.
10. CHAMFER ALL EXPOSED CONCRETE EDGES 1". THE DIMENSIONS SHOWN FOR PUMPS, PIPING AND VALVE LAYOUT ARE BASED ON ONE OR MORE MANUFACTURER'S DESIGN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DIMENSIONS OF PARTICULAR EQUIPMENT BEING FURNISHED AND TO MAKE SUCH CHANGES AS REQUIRED TO INSTALL EQUIPMENT IN SPACE PROVIDED.
11. ALL ELECTRICAL WORK SHALL CONFORM TO STANDARD N.E.C. SPECIFICATIONS AND ALL EQUIPMENT SHALL BE NEMA OR UL CERTIFIED. CONTRACTOR SHALL PROVIDE ELECTRICAL DROP AND ALL REQUIRED ELECTRICAL CONNECTIONS.
12. FIBERGLASS WET WELL BACKFILL:
 - 12.1. BACKFILL OF THE WET WELL SHALL BE PERFORMED IN MAXIMUM 6" LOOSE LAYERS WITH SAND OR SANDY MATERIAL WITH NOT MORE THAN 20% PASSING THE #200 SIEVE ACCORDING TO ASTM D1140. BACKFILL LAYERS SHALL BE COMPACTED TO 95% RELATIVE OR STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT (TO +2%) WITH MECHANICAL TAMPERS. HEAVY EQUIPMENT SHALL NOT BE OPERATED CLOSER TO THE WET WELL THAN A DISTANCE EQUAL TO THE HEIGHT OF THE BACKFILL.

FILE NAME:	LIFT STATION No. 35
DATE:	03-19-19
SURVEYED BY:	F.J.R.
DESIGNED BY:	F.J.R.
DRAWN BY:	F.J.R.
REVISIONS BY:	J.G.
CHECKED BY:	J.G.

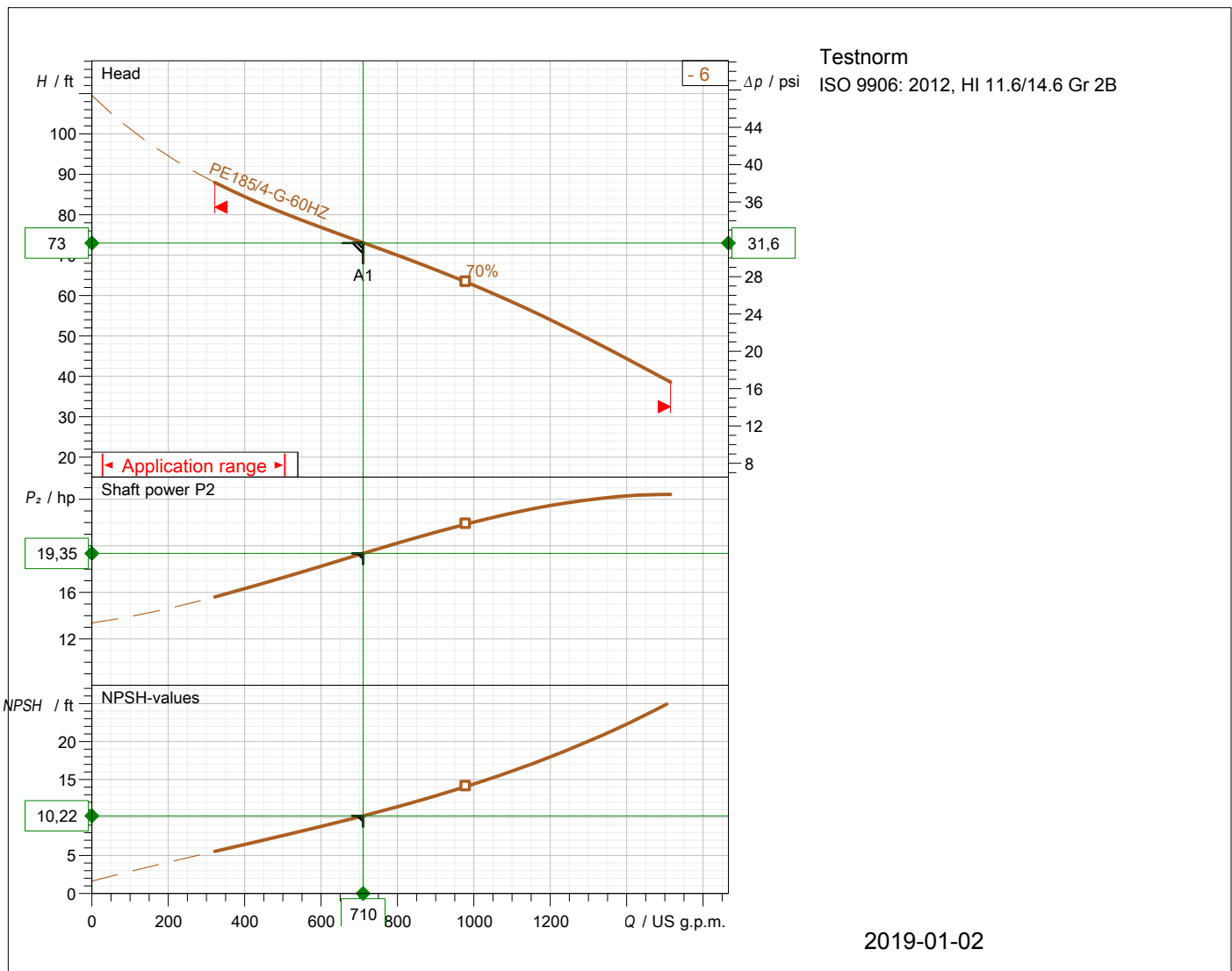
PUBLIC WORKS DEPARTMENT
CITY OF MISSION

TITLE:	LIFT STATION PLAN AND DETAILS
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HOR:	3/16"=1'
SCALE:	3/16"=1'
VERT:	3/16"=1'
REVISIONS:	
1.	
2.	
3.	
4.	

DATE:	
SHEET NO.:	3

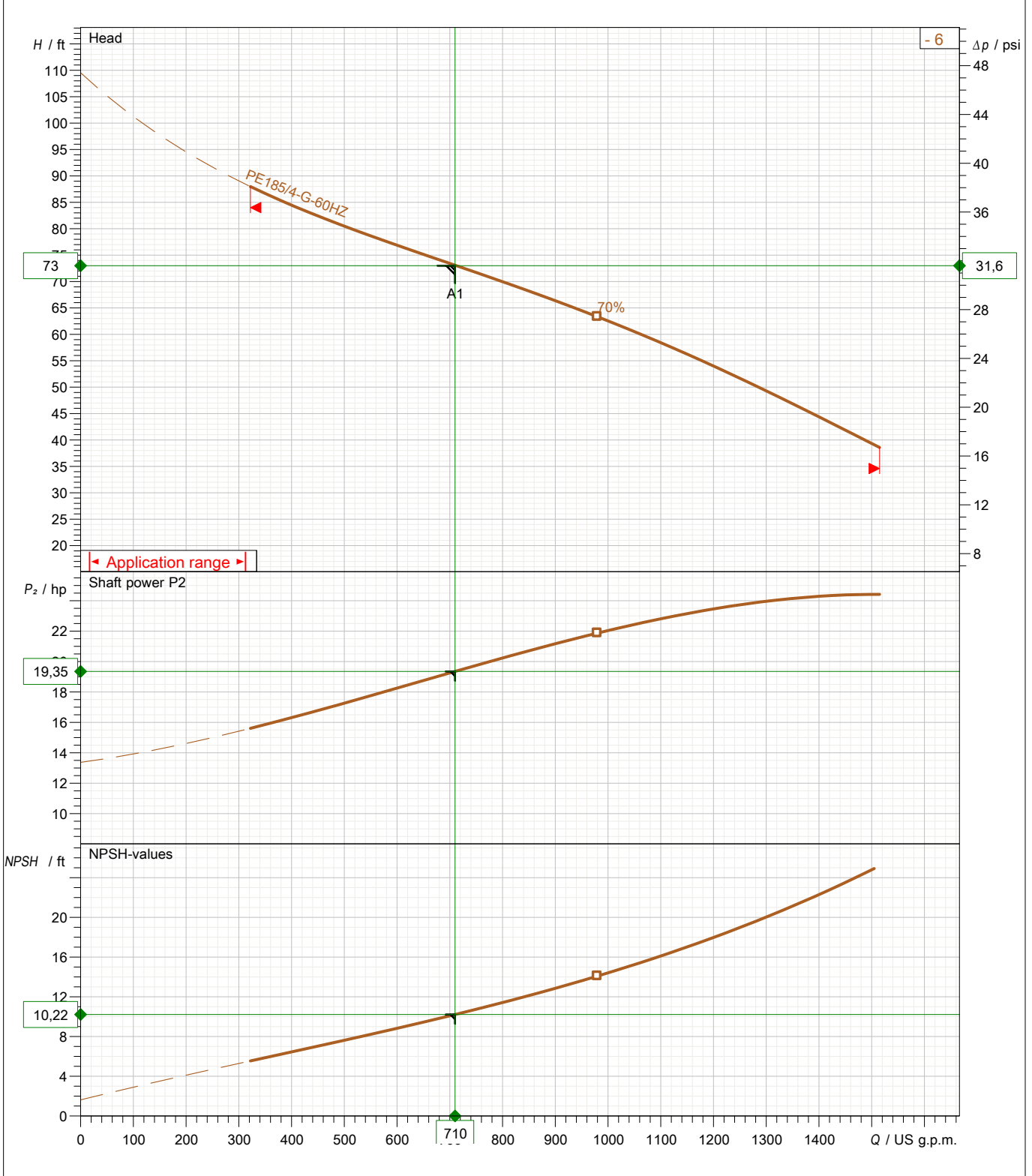
XFP150G CB1 60HZ (wet pit/dry pit)



Operating data specification Flow 710 US g.p.m. Efficiency 67,4 % NPSH 10,2 ft Temperature 68 °F No. of pumps 1		Power input 20,9 hp Head 73 ft Rated power 19,4 hp Fluid Water Nature of system Single head pump	
Pump data Type XFP150G CB1 60HZ (wet pit/dry pit) Series XFP PE1-PE3 N° of vanes 1 Free passage 3,94 inch Discharge flange DN150 Moment of inertia 1,53 lb ft²		Make SULZER Impeller Contrablock Plus impeller, 1 vane Impeller size 9,84 inch Suction flange DN150 Type of installation Not chosen	
Motor data Rated voltage 460 V Rated power P2 24,8 hp Number of poles 4 Power factor 0,768 Starting current 310 A Starting torque 291 lbf ft Insulation class H		Frequency 60 Hz Nominal Speed 1780 rpm Efficiency 93,6 % Rated current 32,3 A Rated torque 73,3 lbf ft Degree of protection IP 68 No. starts per hour 15	

Curve number	Pump performance curves XFP150G CB1 60HZ (wet pit/dry pit)			SULZER	
Reference curve XFP150G CB1 60HZ					

			Discharge DN150	Frequency 60 Hz
Density 62,32 lb/ft ³	Viscosity 1,082E-5 ft ² /s	Testnorm ISO 9906: 2012, HI 11.6/14.6 Gr 2B	Rated speed 1783 rpm	Date 2019-01-02
Flow 710 US g.p.m.	Head 73 ft	Rated power 19,4 hp	Power input 20,9 hp	Hydraulic efficiency 67,4 %
			NPSH 10,2 ft	



Impeller size 9,84 inch	N° of vanes 1	Impeller Contrablock Plus impeller, 1 vane	Solid size 3,94 inch	Revision
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Frequency
60 Hz

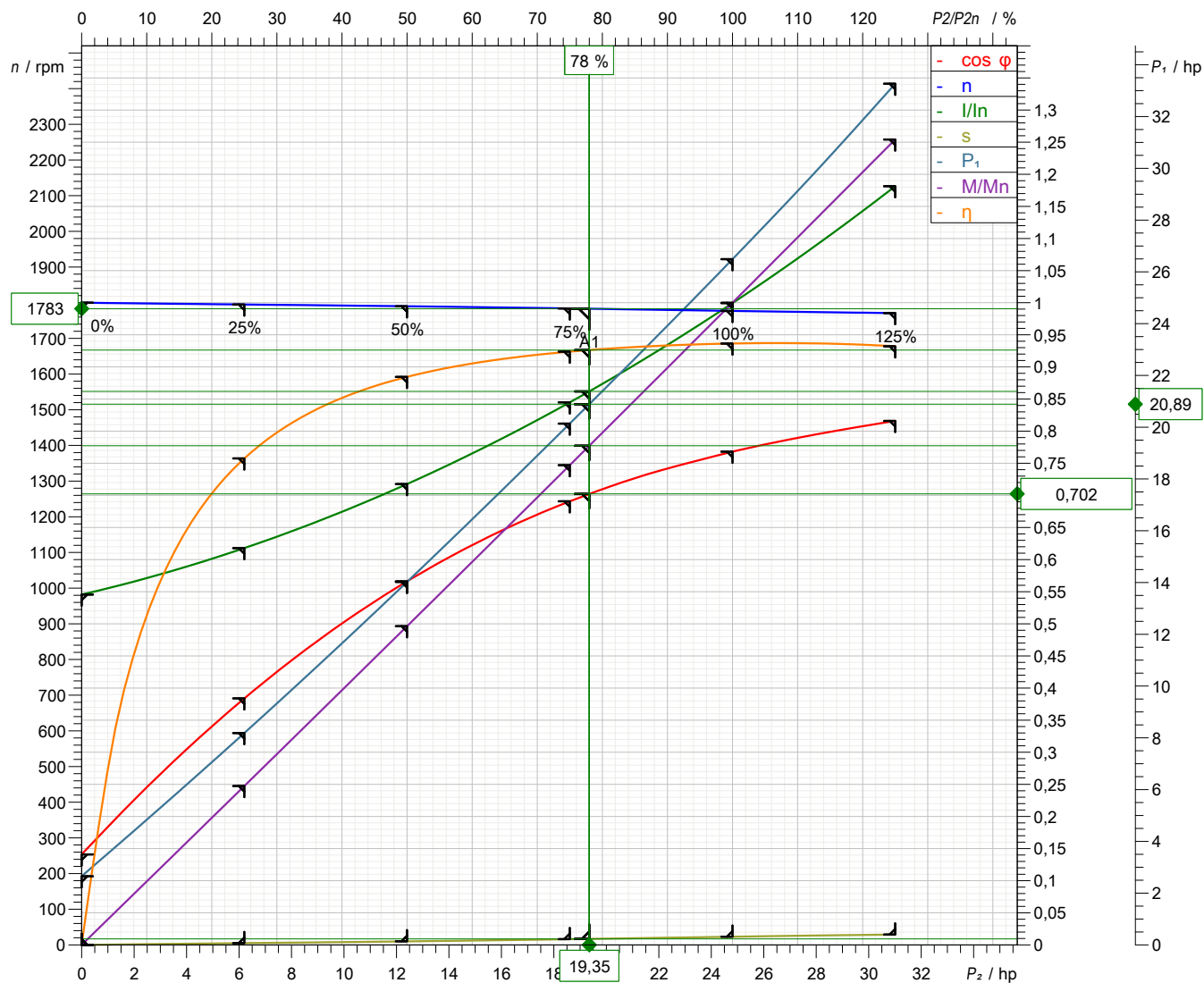
PE3

Motor performance curve



PE185/4-G-60HZ

Rated power 24,8 hp	Service factor 1,3	Nominal Speed 1780 rpm	Number of poles 4	Rated voltage 460 V	Date 2019-01-02
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Symbol	No loac	25 %	50 %	75 %	100 %	125 %
P ₂ / hp	0	6,202	12,4	18,61	24,81	31,01
P ₁ / hp	2,655	8,187	14,02	20,14	26,49	33,27
η / %	0	75,76	88,45	92,38	93,65	93,21
n / rpm	1800	1795	1790	1784	1777	1771
cos φ	0,141	0,3839	0,5662	0,6908	0,7681	0,816
I / A	17,62	19,96	23,18	27,29	32,28	38,16
s / %	0	0,2789	0,5534	0,8911	1,277	1,611
M / lbf ft	0	18,15	36,4	54,78	73,33	91,97

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current 310 A	Starting torque 291 lbf ft	Moment of inertia 5,14 lb ft ²	No. starts per hour 15
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TECHNICAL DATA

6" ABS XFP PUMP

XFP 150G-CB1
4 Pole, 3 Phase, PE3

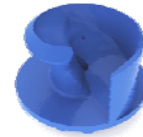
Date: 1/12
Dwg: DS-E01-036 Rev: 2

Submersible Motor Specifications, PE3 Frame

Motor Design	NEMA design B, squirrel cage induction	
Motor Type	Fully enclosed Premium Efficiency submersible, IP68 protection rating	
Motor Efficiency Standard and Rating	IEC 60034-30, IE3 rating	
Motor Efficiency Test Protocol	IEC 60034-2-1	
Insulation Materials	Class H, 180°C (356°F), copper windings	
Motor Filling Medium	Air	
Temperature Rise	Class A	
Maximum Fluid Temperature	40°C (104°F) continuous, 50°C (122°F) intermittent	
Optional Cooling System	Closed-loop, non-toxic glycol/water mixture (1/3 / 2/3)	
Motor Protection	Thermal	Normally closed bimetallic switch in each phase, connected in series, 140°C (284°F), +/- 5 °C opening temperature
	Leakage	ABS Sealminder moisture detection probe in seal sensing chamber
Sensing Chamber Filling Medium	Air	
Bearing Type	Upper	Single row ball permanently lubricated
	Lower	Double row angular contact permanently lubricated
Motor Starter Types	Suitable for use with across the line, electronic soft starters, and PWM type Variable Frequency Drives*	
Maximum Starts per Hour	15, evenly spaced	
Inverter Duty Rating	Motors meet NEMA MG1, part 31 requirements	
Maximum Submergence	20 meters (65 feet)	
Available Voltages	208, 230, 460, 600	
Voltage Tolerance from Rated	+/-10%	
Agency Approvals	Factory Mutual, CSA	
Explosion Proof Rating	NEC 500 Class 1, Division 1, Group C & D, Class T3C max surface temp	



ABS submersible sewage pump XFP
Part of the ABS EffeX range



Premium Efficiency
without Compromise

*Output filters may be required on VFDs. See document DS-E00-001 for details.

Motor Ratings, PE3 Frame

Motor Model	Input Power (P1)	Rated Power Output (P2)	Nominal RPM	Rated Voltage	Full Load Amps	Locked Rotor Amps	NEMA Code Letter	NEMA Service Factor	Motor Efficiency at % Load			Power Factor at % Load		
									100	75	50	100	75	50
PE 130/4	14 kW	13 kW 17.4 HP	1780	208	51.3	595	N	1.3	93.1	91.6	85.8	.757	.672	.552
				230	46.4	538								
				460	23.2	269								
				600	17.8	206								
PE 150/4	16.2 kW	15 kW 20.1 HP	1775	208	56.4	598	M	1.3	92.9	92.7	88.4	.794	.715	.592
				230	51	541								
				460	25.5	271								
				600	19.6	207								
PE 185/4	19.8 kW	18.5 kW 24.8 HP	1775	208	71.4	685	L	1.3	93.7	92.4	88.5	.768	.691	.566
				230	64.6	620								
				460	32.3	310								
				600	24.7	238								
PE 210/4	22.5 kW	21 kW 28.2 HP	1775	208	78.2	686	K	1.3	93.6	93.0	90.0	.797	.728	.605
				230	70.7	620								
				460	35.3	310								
				600	27.1	238								



TECHNICAL DATA

6" ABS XFP PUMP

XFP 150G-CB1
4 Pole, 3 Phase, PE3

Date: 1/12
Dwg: DS-E01-036 | Rev: 2

Cable Data, PE3 Frame

	Motor	Motor Voltage	Cable Qty	Cable Type*	Cable Nominal Dia. +/- .5mm (.02")
Power Cable	PE 130/4	208 or 230 volt	1	G-GC 6-3	26.6mm (1.05") diameter
		460 volt	1	SOOW 8/4+16/3	25.4mm (1.0") diameter
		600 volt	1	SOOW 10/7	22.4mm (0.88") diameter
	PE 150/4	208 or 230 volt	1	G-GC 6-3	26.6mm (1.05") diameter
		460 volt	1	SOOW 8/4+16/3	25.4mm (1.0") diameter
		600 volt	1	SOOW 10/7	22.4mm (0.88") diameter
	PE 185/4	208 or 230 volt	1	G-GC 6-3	26.6mm (1.05") diameter
		460 volt	1	SOOW 8/4+16/3	25.4mm (1.0") diameter
		600 volt	1	SOOW 8/4+16/3	25.4mm (1.0") diameter
	PE 210/4	208 or 230 volt	1	G-GC 6-3	26.6mm (1.05") diameter
		460 volt	1	SOOW 8/4+16/3	25.4mm (1.0") diameter
		600 volt	1	SOOW 8/4+16/3	25.4mm (1.0") diameter
Control Cable	All	Std**	208 or 230 volt 460 or 600 volt	1 SOOW 16/4	10.7mm (0.42") diameter Included in Power Cable
Cable Length	Standard: 15m (49 feet)			Optional: 20m (65 feet), 30m (98 feet) - Consult Factory for Longer Lengths	

* Special versions ordered with cable suitable for both 230 volt and 460 volt operation will be equipped with the cable type and diameter shown in the "208 or 230 volt" section of the table
** See motor protection on page 1.

Pump Data

Discharge Size	6" flanged, compatible with 6" class 125 ANSI flanges					
Suction Size	6" flanged, compatible with 6" class 125 ANSI flanges, threaded for 8 x 3/4-10 UNC bolts, 33mm (1.3") deep					
Volute pressure rating	10 bar (145 psi)					
Impeller Type	Semi-open, 1-vane, ContraBlock Plus w/ Seal Protection System					
Impeller Size	.4	.5	.6	.7	.8	
Solids Passage Size	100mm (3.94")	100mm (3.94")	100mm (3.94")	100mm (3.94")	100mm (3.94")	
Impeller DIA	265mm (10.4")	258mm (10.2")	250mm (9.8")	240mm (9.45")	230mm (9.1")	
Min Recommended Flow, GPM	250	250	250	250	250	

Materials of Construction

	Standard	Optional
Motor and Intermediate Housing	Cast Iron EN-GJL-250 (ASTM A-48, Class 35B)	
Optional Cooling Jacket	Cast Iron EN-GJL-250 (ASTM A-48, Class 35B)	
Seal Plate	Cast Iron EN-GJL-250 (ASTM A-48, Class 35B)	
Impeller	Cast Iron EN-GJL-250 (ASTM A-48, Class 35B)	
Volute	Cast Iron EN-GJL-250 (ASTM A-48, Class 35B)	
Bottom Plate CB	Cast Iron EN-GJL-250 (ASTM A-48, Class 35B)	
Cable Entry Casting	Cast Iron EN-GJL-250 (ASTM A-48, Class 35B)	
Pump and Motor Shaft	Stainless Steel 1.4021 (AISI 420 SS)	
External Hardware	Stainless Steel 1.4401 (AISI 316 SS)	
Lifting Hoop	Stainless Steel 1.4401 (AISI 316 SS)	
O-Rings and Cable Glands	Nitrile (Buna-N)	
Tandem Mechanical Seal	Lower: Silicon Carbide / Silicon Carbide, Nitrile, 316 SS Upper: Silicon Carbide / Silicon Carbide, Nitrile, 316 SS	
Lower Bearing Lip Seal	Nitrile (Buna-N) covered steel	
Coating	Two part epoxy, black, 120µm (4.7 mil) DFT	Two part epoxy, black, 400µm (15.7 mil) DFT

General Data

	PE 130/4	PE 150/4	PE 185/4	PE 210/4
Overall Height	1297mm (51.1")	1297mm (51.1")	1297mm (51.1")	1297mm (51.1")
Pump Weight	333 kg (735 lb)	333 kg (735 lb)	347 kg (765 lb)	347 kg (765 lb)

