



CITY OF O'FALLON, MISSOURI

PURCHASING DEPARTMENT

100 North Main Street
O'Fallon, MO 63366

T: (636) 379-5527

FURNISH AND DELIVER BID

INVITATION TO BID:	26-046	BID ISSUE DATE:	08/28/2026
BID DESCRIPTION:	SANITARY SEWER COMMUNUTORS		
BID OPENING DATE:	09/24/2026	BID OPENING TIME:	2:00 PM CDT
COPIES REQUIRED:	1 ORIGINAL	BID BOND REQUIRED:	YES (5% OF BID)

BID RESPONSES MUST BE RECEIVED AND TIME STAMPED NO LATER THAN THE PUBLIC BID OPENING DATE AND TIME (LOCAL TIME) SPECIFIED ABOVE. BIDS WILL BE OPENED AND READ ALOUD AT THAT TIME IN THE EAST CONFERENCE ROOM ON THE SECOND FLOOR OF THE MUNICIPAL CENTER. LATE BIDS WILL NOT BE OPENED OR CONSIDERED.

TO ALL PROSPECTIVE BIDDERS:

You are hereby invited to submit your bid for the item(s) to be furnished and delivered, shipped F.O.B. delivered, to the address specified herein on the forms supplied. **Do not staple or submit bid in any type of binder;** binder clips are acceptable.

The original bid, along with the bid bond (if applicable), must be received in a sealed envelope that has your company name and address in the upper left corner and the attached label filled in and pasted on the lower left corner.

All bids are subject to staff analysis. The City of O'Fallon, Missouri reserves the right to accept or reject any and all bids received and waive any and all irregularities.

QUESTIONS SHOULD BE SUBMITTED IN WRITING VIA E-MAIL BY 12:00 P.M. on 09/08/2026 TO THE PURCHASING AGENT. QUESTIONS WILL ONLY BE ANSWERED VIA ADDENDUM BY END OF DAY ON 09/10/2026. Addendum information is available over the Internet at www.ofallonmo.gov/bid-opportunities . We strongly suggest that you check for any addenda a minimum forty-eight hours (48) in advance of the bid deadline.	PURCHASING AGENT: Garrett O'Mara	
	PHONE: E-MAIL:	636.379.5527 gomara@ofallonmo.gov

BIDS MUST BE DELIVERED AND TIME STAMPED, PRIOR TO THE PUBLIC BID OPENING DATE AND TIME, TO:	CITY OF O'FALLON ATTN: GARRETT O'MARA, PURCHASING AGENT 100 NORTH MAIN STREET O'FALLON, MO 63366
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FULL NAME OF BIDDER	
BID CONTACT PERSON	
TELEPHONE NUMBER	

E-MAIL TRANSMITTED BIDS WILL NOT BE ACCEPTED

INSTRUCTIONS TO BIDDERS

BID REQUIREMENTS:

The City of O'Fallon, Missouri (the "City") requires all bids be submitted on the blank bid form furnished with these contract documents and shall conform to the terms and conditions set forth in the "Instructions to Bidders", "General Conditions" and "Special Conditions" of the contract. Please make and retain a copy of this bid for your records. The bid must be enclosed in a sealed envelope bearing the bid number and the printed title of the bid. Bidders must sign, in ink, the bid form and all other documents where indicated.

Where applicable, the Bidder shall furnish with the bid, one set of all available literature pertaining to the equipment and/or material to be furnished under the bid.

Bidder shall acknowledge receipt of each addendum issued in the space provided on the bid form.

The total price quoted by the Bidder must be the total cost delivered to the location(s) stated in the "Special Conditions" or "Specifications". Bidder must not qualify his bid by stating a F.O.B. location other than such stated location(s).

In the specifications, whenever an article or material is defined by brand name, the name and catalog number of a particular manufacturer, vendor or a limited description, the term "OR APPROVED EQUAL" is written. Any reference to a particular manufacturer's product either by brand name or limited description is only for purposes of setting a standard of performance, quality, composition, construction or size. If there is any deviation in the pack, source, quality, etc., of an item bid, from that prescribed in the specifications, the appropriate line in the specifications will be ruled out and the substitution clearly indicated.

However, if "OR APPROVED EQUAL" is not written and you cannot bid the specified item, the Bidder may submit an alternate bid. The City will consider the bids covering the specified article or material first.

The City, for cost effective measures, standardizes on specific items; those bids will contain the language "no substitution," and any alternative will not be considered.

ALTERNATE/EQUAL BIDS:

The City recognizes the expertise provided by many bidders and encourages creativity in bidding. Alternates may be considered if the bid submitted clearly indicates what will be furnished and how it will benefit the City. Alternates will be compared to the lowest responsive, responsible bid as specified.

The City reserves the right to approve any material the Bidder proposes to furnish which contains variations from specification requirements but which may substantially comply.

BONDS:

Each Bid shall be accompanied by cash, a certified check or a satisfactory bid bond executed by the BIDDER and a surety company and payable to the City of O'Fallon, Missouri, in an amount of not less than five percent (5%) of the total combined price of Base Bid and all combined Alternate Bids. If the BIDDER fails to enter into a contract with the CITY on the terms stated in his Bid or fails to furnish a Performance, Payment and Guarantee Bond as required by the Contract Documents, the amount of the Bid Bond shall be forfeited to the CITY as liquidated damages, not as a penalty. Cash will be an acceptable form under the following criteria:

- I. All cash shall be rounded up to the nearest dollar (no coin change provided)
- II. The exact amount of cash provided shall be written on a small, sealed envelope included in the sealed bid
- III. Cash guarantees shall be publicly counted and verified a minimum of two times, and recorded at the Bid Opening
- IV. All cash guarantees shall be deposited with the City immediately. Any returned guarantees that are cash-based will be returned via a City check to the bidder, in accordance with the rest of the Bid Guaranty sections.

The CITY will have the right to retain the Bid Bond of BIDDERS to whom an award is being considered until either (a) the "City-Contractor Agreement" has been executed and the Performance, Payment and Guarantee Bond has been furnished, (b) the specified time has elapsed so that Bids may be withdrawn, or (c) all Bids have been rejected.

Such check or bid bond will be returned to all except the three (3) lowest BIDDERS within fifteen (15) days after the opening of the bids; and the remaining cash, checks, or bid bonds will be returned promptly after the CITY and accepted BIDDER have executed the contract, or, if no award has been made within sixty (60) days after the date of the opening of bids, upon demand of the BIDDER at any time thereafter, so long as he has not been notified of the acceptance of his bid.

Failure on the part of the BIDDER to submit an original executed Bid Bond, cash, or check, as described in the previous paragraphs, along with the Bid Form shall be grounds for disqualification. Photocopies of bonds or checks shall not qualify as a legitimate bid security.

CONTRACT AWARD INFORMATION:

Award notification will be sent to the vendor receiving the award via mail or fax.

Response summaries will be available at www.ofallonmo.gov/bid-opportunities. This summary information will include bids that were delivered by the required bid opening date and time.

CONTRACT DOCUMENT COMPONENT PARTS:

The contract documents herein named include all of the following component parts, all of which are fully a part of this contract as if herein set out verbatim, or, if not attached, as if hereto attached.

- 1) Instructions to Bidders
- 2) General Conditions
- 3) Special Conditions
- 4) Bid Form
- 5) References
- 6) Specifications
- 7) Pricing/Signatures
- 8) Any and all addenda to the foregoing

All documents are or will be on file in the office of the City Clerk, City of O'Fallon, MO, 100 North Main, O'Fallon, MO 63366.

DEVIATIONS AND EXCEPTIONS:

Deviations and exceptions shall be described fully, on the Bidder's letterhead, signed, and attached to the Bid Form. In the absence of such statement, the bid shall be considered as if submitted in strict compliance with all terms, conditions, and specifications; the Bidder shall be held liable. Bidders are cautioned to avoid making deviations and exceptions to the specifications, which may result in rejection of their bid.

EXAMINATION BY BIDDER:

The Bidder shall, before submitting his bid, carefully examine the bid, specifications and contract documents.

If his bid is accepted, he will be responsible for all errors in his bid resulting from his failure or neglect to comply with these instructions.

Unless otherwise provided in the SPECIAL CONDITIONS, when the specifications include information pertaining to preliminary investigations made by the City, such information represents only the opinion of the City as to the location, character or quantity of the materials encountered. That information is only included for the convenience of the Contractor. The City assumes no responsibility whatsoever with respect to the sufficiency or accuracy of the information.

FACSIMILE/E-MAIL TRANSMITTALS:

Facsimile and/or e-mail transmitted bids will not be accepted by the City.

INDEMNITY:

The Contractor shall, at all times, fully indemnify, hold harmless, and defend the City and its officers, members, agents, and employees from and against any and all claims and demands, actions, causes of action, and cost and fees of any character whatsoever made by anyone whomsoever on account of or in any way growing out of the performance of this contract by the Contractor and its employees, or because of any act or omission, neglect or misconduct of the Contractor, its employees and agents or its subcontractors including, but not limited to, any claims that may be made by the employees themselves for injuries to their person or property or otherwise.

Such indemnity shall not be limited by reason of the enumeration of any insurance coverage herein provided.

Nothing contained herein shall be construed as prohibiting the City, its directors, officers, agents, or its employees, from defending through the selection and use of their own agents, attorneys and experts, any claims, actions or suits brought against them.

The Contractor shall likewise be liable for the cost, fees and expenses incurred in the City's or the Contractor's defense of any such claims, actions, or suits.

INTERPRETATION OF CONTRACT DOCUMENTS:

If a potential Bidder is uncertain as to the meaning of any part of the specifications or other contract documents, the bidder is expected to submit questions to the Purchasing Agent. The Purchasing Agent is the point of contact for this bid. All communications regarding this bid packet must be directed to the Purchasing Agent. All contact with the City should be channeled through the Purchasing Agent. No contact with other City employees, officials, or City Council members is to be made by responding proposers throughout the entire process.

If a question can be answered by directing the questioner to a specific section of the bid packet, then the Purchasing Agent may answer the question over the telephone. Other questions may be more complex and may require a written amendment to the specifications. The Purchasing Agent will make this determination. Oral communication is considered unofficial and non-binding on the City. If an amendment to the specifications is issued, it will be provided to all offerors that were issued a copy of the bid packet and to those that have requested a copy of the bid packet from the Purchasing Agent.

Garrett O'Mara, Purchasing Agent
E-mail: gomara@ofallonmo.gov

Only questions answered by formal written addenda will be binding. Oral and interpretations or clarifications will be without legal affect.

PREPARATION OF BIDS:

The Bidder shall return his bid on the attached bid forms. **Bids must be returned with all pages intact.** Please make and retain a copy of this bid for your records. Unless otherwise stated, all blank spaces on the bid page or pages, applicable to the subject specification, shall be correctly filled in. Either a unit price or a lump sum price, or both as the case may be, shall be stated for each and every item, either typed in or printed in ink, in figures, and if required in words. Bidder shall acknowledge receipt of each addendum issued in the space provided on the bid form.

All prices quoted by the Bidder shall be F.O.B. delivered and shall include any and all freight costs to the delivery location(s) specified. The Bidder must not qualify the bid by stating F.O.B. a location other than such stated location(s).

When a bid consists of a number of items, prices must be submitted for all items, unless otherwise directed in the Special Conditions.

Where unit prices are to be bid, and/or where bids are to be made on more than one item, the Bidder shall extend the unit price(s) bid in the places provided on the pricing pages for the approximate quantities, shall compute the total amount of the bid and shall indicate same on the bid page. The Bidder must bid in accordance with the unit(s) of measure called for. If an item is listed by each, the bid price must be entered by each, not dozen or hundred. All extensions and total sums are subject to verification by the City and the correct extensions and sums will be used in the comparison of bids.

Where unit prices are requested, the quantities stated are approximate only. The quantities for all items on which bids are to be received on a unit price basis, will not be used in establishing final payment due the Contractor. Bids will be compared on the basis of number of units stated in the Bid Pricing Section. Contract payment for unit price items will be based on the actual number of units installed in the completed work within the proposed scope of work.

All extensions and total sums are subject to verification by the City and the correct extensions and sums will be used in the comparison of bids. If a discrepancy exists between the unit prices and totals, the unit prices shall

prevail. If a discrepancy exists between the total base bid and the true sum of the individual bid items, the true sum shall prevail.

In certain cases, amounts are to be shown in both words and figures. When discrepancies occur between the "Written in Words" and the "In Figures" amounts for the total lump sum bid amount, the "Written in Words" shall govern.

Bidders are warned against making any erasures or alterations of any kind, and bids, that contain omissions, erasures, conditions, alterations, or additions not called for may be rejected. The bidder must fill in all blanks. Use "N/A" or "None" where applicable.

The bid shall be signed by a company officer empowered to bind the company. Failure to sign the bid may cause the bid to be determined to be non-responsive and the bid may be rejected.

SUBMISSION OF BIDS:

All bids must be received in sealed envelopes that have your name and address in the UPPER left corner and the attached label filled in and pasted on the LOWER left corner.

Bids mailed "EXPRESS MAIL" must have bid number and due date on the outside of the EXPRESS MAIL envelope.

The Bidder shall be responsible for delivery of bids to the Purchasing Agent before the date and hour set for the opening of bids. The City assumes no responsibility for delays caused by any delivery service. Postmarking by due date will not substitute for actual receipt by the City. Late bids will not be opened or considered.

END OF INSTRUCTIONS TO BIDDERS

GENERAL CONDITIONS

ADDENDUM AND SUPPLEMENT TO REQUEST:

If it becomes necessary to revise any part of this request or if additional data is necessary to enable the exact interpretation of provisions of this request, revisions will be provided in the form of an Addendum. If revisions are necessary after any mandatory Pre-Bid conference, the revisions will be provided only to those Contractors who will have attended the Pre-Bid conference.

CHANGES:

All changes to this Bid Document shall be amended in written form (Addenda). The Purchasing Agent prior to the scheduled bid opening shall issue such amendments.

The City reserves the right to make any desired change in the specifications after the same shall have been put under contract; but the change so made, with the price to be added or deducted from the contract price, therefore, shall be agreed upon in advance between City and the successful Contractor.

The City shall issue to the successful Contractor a written change order to the original contract; such change orders shall be binding upon both parties thereto and shall in no way invalidate or make void the terms of the original contract not modified by such change.

No claim based on oral changes will be allowed.

CONTRACTOR PERFORMANCE:

The Instructions to Bidders, Bid Form, General Conditions, Special Conditions, contract specifications and attached exhibits shall together constitute the Contract. The Contractor hereby asserts that it has read the specifications, and that it is thoroughly informed and familiar as to their contents and requirements. All items shall be supplied in strict accordance with the specifications. The Contractor's performance under the terms of this Contract shall be to the satisfaction of the City.

DISCLAIMER:

RESERVED BY OWNER

The City reserves the right to reject any or all bids failing to meet the City's specifications or requirements and to waive technicalities. If in the City's opinion, the lowest bid is not the most responsible bid, considering value received for monies expended, the right is reserved to make awards as determined solely by the judgment of the City. In determining the lowest responsible bidder, the City shall take into consideration the qualities of the articles supplied, their conformity with the specifications, and their suitability to the requirements of the City and the delivery terms. Intangible factors, such as the Contractor's reputation and past performance, will also be weighed.

The Contractor's failure to meet the mandatory requirements will result in the disqualification of the Contractor's bid from further considerations.

The City further reserves the right to reject all bids and obtain goods or services through intergovernmental or cooperative agreements.

Submission of a bid confers no rights on the Contractor to a selection or to a subsequent contract. This Invitation to Bid process is for the City's benefit only and is intended to provide the City with competitive information to assist in selection of services. All decisions on compliance, evaluation, terms and conditions shall be made solely at the City's discretion and shall be made to favor the City.

DRUG FREE WORKPLACE:

The Contractor (whether an individual or company) agrees to provide a drug free workplace.

ENDORSEMENTS:

Contractor shall not use the City in any form of endorsement to any third-party without the Buyer's written permission.

EXECUTION OF CONTRACT:

The bidder to whom the contract has been awarded shall sign one (1) copy of the contract and return it to the City within seven (7) calendar days after receipt of the contract. Failure to execute the contract and return it to the City within seven (7) calendar days after receipt of the contract shall be cause for the annulment of the contract award and the forfeiture of the bid security to the City.

If circumstances beyond the Contractor's control prohibit a timely execution of this contract, prior written approval must be requested by the Contractor and receive approval from the City for an extension to the delivery date.

F.O.B.:

All goods are to be shipped prepaid, F.O.B. destination. Shipments sent C.O.D. without City's written consent will not be accepted and will at Contractor's risk and expense, be returned to Contractor. Unauthorized shipments are subject to rejection and return at Contractor's expense.

HOLDING OF BIDS:

Contractor may withdraw their bids at any time prior to the time specified as the closing time for the receipt of bids. However, no Contractor shall withdraw or cancel his bid for a period of ninety (90) calendar days after said closing time for the receipt of bids.

LAW GOVERNING:

All State of Missouri and/or Federal Laws shall be hereby specifically made a part of this contract as set forth herein.

LIENS, CLAIMS, AND ENCUMBRANCES:

Contractor warrants and represents that all the goods and materials ordered herein are free and clear of all liens, claims, or encumbrances of any kind.

SAFETY DATA SHEETS:

If applicable, Contractor shall furnish Safety Data Sheets for their products upon award of Contract.

MISCELLANEOUS REQUIREMENTS:

The City will not be responsible for any expenses incurred by the Contractor in preparing and submitting a Bid. All Bids shall provide a straightforward, concise delineation of your capabilities to satisfy the requirements of this request. Emphasis should be on completeness and clarity of content.

The Contractor is prohibited from assigning, transferring, conveying, subletting, or otherwise disposing of this agreement or its rights, title of interest therein or its power to execute such agreement to any other person, company or corporation without the previous consent and approval in writing by the City.

NON-DISCRIMINATING:

The Contractor, its employees and subcontractors, agree not to commit unlawful discrimination and agree to comply with applicable provisions of the, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each.

Firm shall comply with Section 285.525 – 285.550 RSMo regarding enrollment in a federal work authorization program. **A signed, notarized affidavit (attached) and supporting documentation affirming enrollment in a federal work authorization program must be submitted with proposal. Failure to comply with this provision may result in rejection of proposal.**

E-VERIFY:

Company shall be E-verify compliant and shall provide documentation to support this requirement within the proposal including the memorandum of understanding (MOU) and the electronic signature page completed in its entirety.

NON-EXCLUSIVITY:

Nothing herein is intended nor shall be construed as creating any exclusive arrangement with Vendor.

PATENTS:

Contractor undertakes and agrees to defend at Contractor's own expense, all suits, actions, or proceedings against buyer, in which City, and of Contractor's suppliers, contractors, distributors or dealers, or the users of any of Contractor's products are made defendants for actual or alleged infringement of any U.S. or foreign letters patent resulting from the use or sale of the items purchased hereunder. Contractor shall inform the City whenever infringement will result from Contractor's adherence to specifications supplied by the City or by an authorized City Representative. Contractor further agrees to pay and discharge any and all judgments or decrees, which may be rendered in any such suit, action or proceedings against City therein.

PAYMENT:

The goal of the City is to pay properly submitted Contractor invoices within thirty (30) days of receipt, providing goods have been delivered, approved, and accepted by an authorized City Representative. Original invoices must be presented for payment in accordance with instructions contained on the Purchase Order including reference to Purchase Order number and submitted to the correct address for processing.

TAX:

The City is not responsible for and will not pay local, Federal Excise Tax or Missouri Sales Tax. A copy of the exemption letter is available upon written request.

TERMS/CANCELLATION AND DAMAGES:

This contract may be terminated by either or both parties upon thirty (30) days written notice or upon mutual agreement of both parties.

If the City because of the Contractor's breach terminates this Contract, the City shall have the right to purchase equipment elsewhere and to charge the Contractor with any additional cost incurred.

Notwithstanding the above, the Contractor shall not be relieved of any liability to the City for damages sustained by the City by virtue of any breach of this contract by the Contractor and the City may withhold any payments to the Contractor until such time as the amount of such damages due the City from the Contractor shall be determined.

TRANSFER OF OWNERSHIP OR ASSIGNMENT:

The terms and conditions of this contract shall be binding upon and shall ensure to the benefit of the parties hereto and their respective successors and assigns.

Prior to any sales or assignments the City must be notified and approve same in writing. The City shall have right of first refusal.

END OF GENERAL CONDITIONS

SPECIAL CONDITIONS

DELIVERY REQUIREMENTS:

In this contract, time is of the essence. All freight and delivery charges are to be included in the costs entered on the bid pricing page. Under no circumstances will the City be liable for additional delivery charges.

The successful bidder's performance under the terms and conditions of this contract shall be satisfactory to the City.

All deliveries shall be made between the hours of 7:00 a.m. and 2:00 p.m. unless other arrangements have been made. A minimum of 48 hours' notice prior to the delivery of any materials must be provided to the Maintenance Crew Leader, Mike Branscum, by calling (314)-565-2207. The Peruque Channel Grinder and its related components are to be delivered to 1572 Progress West Lane, O'Fallon MO. The West Channel Grinder and its related components are to be delivered to 400 Highway P, O'Fallon MO.

PRICING:

The pricing stated by the bidder in the bid documents shall remain firm for a one (1) year period from the start date of the contract. No price increases will be allowed for the duration of the contract. Price decreases are allowed at any time.

RENEWAL & EXTENSION:

The successful bidder will be awarded a one (1) year agreement effective the date of award. Prices must not be increased for the entire agreement period. This is a one-time contract not eligible for renewal.

END OF SPECIAL CONDITIONS

INSURANCE REQUIREMENTS

GENERAL:

The Vendor shall respond to these specifications as an independent contractor and not as an employee of the City of O'Fallon.

WORKER'S COMPENSATION INSURANCE:

The Vendor shall procure and shall maintain during the Term of the Agreement, Worker's Compensation Insurance for all of its employees to be engaged and perform work under the Agreement, and in case such work is sublet, the Concessionaire shall require the subcontractor similarly to provide Worker's Compensation Insurance for all such employees to be engaged by the Vendor for such work unless such employees are covered by the protection afforded by the Vendor's Worker's Compensation Insurance. In the event any class of employees engaged in hazardous work under the Agreement is not protected under the Worker's Compensation statute, the Vendor shall provide and shall cause such subcontractor to provide adequate Employer's Liability insurance for the protection of its employees not otherwise protected.

Commercial General Liability Insurance:

The Vendor shall carry public and property damage insurance which shall include bodily injury and accidental death to any person and subject at the minimum limits set forth below:

Liability Limits	\$3,500,000/Per Occurrence
	\$3,500,000/General Aggregate
	\$3,500,000 Products/Completed Operations aggregate
	An umbrella/excess liability policy can be used to attain the required limits.

Commercial Automobile Liability Insurance:

The Vendor shall maintain Commercial Automobile Liability Insurance Coverage in the amounts not less than the minimum limits set forth below:

Bodily Injury and Property Damage	\$3,500,000 Combined Single Liability Limit
	An umbrella/excess liability policy can be used to attain the required limits.

OTHER INSURANCE PROVISIONS/ENDORSEMENTS:

An original Certificate of Insurance from the company or authorized agent of record must be furnished to the City, provide that the City of O'Fallon is an "Additional Insured" on the Vendor's Commercial General Liability policy during the Term of the Agreement, and a copy of such "Additional Insured" endorsement must accompany the insurance certificate. Both the General Liability and Automobile Liability insurance policies are to contain, or be endorsed to contain, the following provision: Vendor and its insurer shall waive any right of subrogation against the City. This requirement of insurance does not limit the Vendor's liability under the Agreement in any manner.

CHANGES IN INSURANCE COVERAGE:

The Contractor shall notify the City of changes in insurance coverage in writing within thirty (30) days.

INDEMNITY:

The Contractor shall, at all times, fully indemnify, hold harmless, and defend the City and its officers, members, agents, and employees from and against any and all claims and demands, actions, causes of action, and cost and fees of any character whatsoever made by anyone whomsoever on account of or in any way growing out of the performance of this contract by the Contractor and its employees, or because of any act or omission, neglect or misconduct of the Contractor, its employees and agents or its subcontractors including, but not limited to, any claims that may be made by the employees themselves for injuries to their person or property or otherwise. Such indemnity shall not be limited by reason of the enumeration of any insurance coverage herein provided.

Nothing contained herein shall be construed as prohibiting the City, its directors, officers, agents, or its employees, from defending through the selection and use of their own agents, attorneys and experts, any claims, actions or suits brought against them.

The Contractor shall likewise be liable for the cost, fees and expenses incurred in the City's or the Contractor's defense of any such claims, actions, or suits.

The Contractor shall be responsible for any damages incurred as a result of its errors, omissions or negligent acts and for any losses or costs to repair or remedy construction as a result of its errors, omissions or negligent acts.

INSURANCE RATING:

All of the above-specified types of insurance shall be obtained from companies that have at least an A-VII rating in Best's Guide or the equivalent.

SURVIVAL OF INDEMNIFICATION:

The indemnification described above shall not be limited by reason of the enumeration of any insurance coverage herein provided, and it shall survive the termination of the Contract for claims arising from events occurring while the Contract is in force.

NOTICE OF LAWSUIT:

Within sixty (60) days of service of process, the City shall notify the Contractor of any lawsuit involving the indemnification provided for above. Failure to provide such notice shall not relieve the Contractor of its obligation to provide indemnification. However, the City shall be responsible for any additional costs of defense incurred due to their failure to provide such notice within sixty (60) days.

CHOICE OF LEGAL COUNSEL:

The contractor shall provide coverage as stipulated in the contract. In the event of a proceeding, the City retains the right to approve legal counsel for claims brought against the City.

DISPUTES:

Any dispute arising out of this agreement will be resolved under the laws of the State of Missouri.

END OF INSURANCE REQUIREMENTS

BID FORM
26-046 SANITARY SEWER COMMUNITORS

(PLEASE TYPE OR PRINT THE FOLLOWING INFORMATION)

Full Name of Bidder	
Main Business Address	
City, State, Zip Code	
Telephone Number	
Fax Number	
Bid Contact Person	
Email Address	

TO: Garrett O'Mara, Purchasing Agent

The undersigned, being duly sworn, certifies that he is:

___ the Owner/Sole Proprietor ___ a Member of the Partnership ___ an Officer of the Corporation ___ a Member of the Joint
Venture
herein after called the Bidder and that the members of the Partnership or Officers of the Corporation are as follows:

(President or Partner)

(Vice-President or Partner)

(Secretary or Partner)

(Treasurer or Partner)

Further, as Contractor, declares that the only person or parties interested in this bid as principals are those named herein; that this bid is made without collusion with any other person, firm or corporation; that he has fully examined the proposed forms of agreement and the contract specifications for the above designated purchase, all of which are on file in the office of the City Clerk, 100 North Main Street, O'Fallon, Missouri 63366, and all other documents referred to or mentioned in the contract documents, specifications and attached exhibits, including Addenda No. _____, _____, and _____ issued thereto;

Further, the Contractor proposes and agrees, if this bid is accepted, to provide all necessary machinery, tools, apparatus and other means of construction, including transportation services necessary to furnish all the materials and equipment specified or referred to in the contract documents in the manner and time therein prescribed.

Further, the undersigned certifies and warrants that he is duly authorized to execute this certification/affidavit on behalf of the Bidder and in accordance with the Partnership Agreement or by-laws of the Corporation, and the laws of the State of Missouri and that this Certification is binding upon the Bidder and is true and accurate. Further, the undersigned certifies that the Bidder is not barred from bidding on this contract as a result of a violation of either bid rigging or bid-rotating.

The affiant deposes and says that he has examined and carefully prepared this bid and has checked the same in detail before submitting this bid, and that the statements contained herein are true and correct.

If a Corporation, the undersigned further certifies that the recitals and resolutions attached hereto and made a part hereof were properly adopted by the Board of Directors of the Corporation at a meeting of said Board of Directors duly called and held and have not been repealed, nor modified and that the same remain in full force and effect. *(Attach a copy of the corporate resolution granting the individual executing the contract documents authority to do so.)*

Finally, the Contractor agrees to do all other things required of the Contractor by the contract documents, and that he will take in full payment therefore the sums set forth in the bidding schedule.

Signature of Bidder authorizes the City to verify business references.

REFERENCES

The bidder must list four (4) references, listing firm name, address, telephone number and contact person to whom they have provided similar equipment, material or services for a period of not less than six (6) months.

The bidder verifies that they have provided equipment, material, or services contained in this contract to the following parties with needs similar to that of City and authorizes the City to verify references of business and credit at its option.

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

COMPANY NAME:	
ADDRESS:	
CONTACT PERSON:	
TELEPHONE NUMBER:	

State the number of years in business _____ State the current number of personnel on staff _____

BID BOND/SECURITY

BIDDER (Name and Address):

SURETY (Name and Address of Principal):

OWNER (Name and Address):

BID

Bid Due Date: _____

Project (Brief Description Including Location):

BOND

Bond Number: _____

Date (Not later than Bid due date): _____

Penal Sum: _____

(words)

(figures)

IN WITNESS WHEREOF, Surety and Bidder, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Bid Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

BIDDER

SURETY

_____(Seal) _____(Seal)
Bidder's Name and Corporate Seal Surety's Name and Corporate Seal

By: _____ By: _____
Signature and Title Signature and Title
(Attach Power of Attorney)

Attest: _____ Attest: _____
Signature and Title Signature and Title

Note: (1) Above addresses are to be used for giving required notice.

(2) Any singular reference to Bidder, Surety, OWNER or other party shall be considered plural where applicable

CITY OF O'FALLON, MISSOURI

EJCDC NO. 1910-28-C (1996 Edition)

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to pay to OWNER upon default of Bidder the penal sum set forth on the face of this Bond.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by OWNER) the executed Agreement required by the Bidding Documents and any performance and payment Bonds required by the Bidding Documents.
3. This obligation shall be null and void if:
 - 3.1. OWNER accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by OWNER) the executed Agreement required by the Bidding Documents and any performance and payment Bonds required by the Bidding Documents, or
 - 3.2. All Bids are rejected by OWNER, or
 - 3.3. OWNER fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default by Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from OWNER, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of and any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by OWNER and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from Bid due date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in paragraph 4 above is received by Bidder and Surety and in no case later than one year after Bid due date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power or Attorney evidencing the authority of the officer, agent or representative who executed this Bond on behalf of Surety to execute, seal and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer or proposal as applicable.

CITY OF O'FALLON, MISSOURI

ANTI-COLLUSION STATEMENT

STATE OF MISSOURI

CITY/COUNTY OF _____

_____ being first duly sworn, deposes and says that he is

Title of Person Signing

of _____

Name of Bidder

that all statements made and facts set out in the proposal for the above project are true and correct; and the bidder (The person, firm, association, or corporation making said bid) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with said bid or any contract which may result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project.

BY _____

BY _____

BY _____

SWORN to before me this _____ day of _____ 20 ____.

Notary Public

My Commission Expires _____

CITY OF O'FALLON, MISSOURI

PREFERENCE IN PURCHASING PRODUCTS

DATE: _____

THE BIDDER'S ATTENTION IS DIRECTED TO Section 34.076 RSMo 2000 which gives preference to Missouri corporations, firms, and individuals when letting contracts or purchasing products.

Bids received will be evaluated on the basis of this legislation.

All vendors submitting a bid must furnish all information requested below.

FOR CORPORATIONS:

State in which incorporated: _____

FOR OTHERS:

State of domicile: _____

FOR ALL VENDORS:

List address of Missouri offices or places of business:

THIS SECTION MUST BE COMPLETED AND SIGNED:

FIRM NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

BY (signature required): _____

Federal Tax ID #: _____

For bid to be considered, the Preference in Purchasing Products form must be filled out and submitted for each bid and dated in the current calendar year.

CITY OF O'FALLON, MISSOURI

MISSOURI DOMESTIC PRODUCTS PROCUREMENT ACT

The bidder's attention is directed to the Missouri Domestic Products Procurement Act, Sections 34.350 to 34.359, RsMO, which requires all manufactured goods or commodities used or supplied in the performance of this contract or any subcontract to be manufactured or produced in the United States.

Section 34.355, RsMO, requires the vendor or contractor to certify his compliance with Section 34.353 and, if applicable, Section 34.359, RsMO, at the time of bidding **and** prior to payment. Failure to comply with Section 34.353, RsMO, during the performance of the contract **and** to provide certification of compliance prior to payment will result in nonpayment for those goods or commodities.

Section 34.353.2, RsMO, specifies that it does not apply where the total contract is less than Twenty-Five Thousand Dollars (\$25,000.00). If your total bid is Twenty-Five Thousand Dollars (\$25,000.00) or more, you **must** complete this form as directed below.

Failure to complete and return this document with this bid will cause the State to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis. Please read the certification appearing below on this form.

☐ If all the goods or products specified in the attached bid which the bidder proposes to supply to the State shall be manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left.

☐ If only one item of any particular goods or products specified in the attached bid is manufactured or produced in the "United States" as defined in Section 34.350, RsMO, check the box at left and list the items (or item number) here:

☐ If any or all of the goods or products specified in the attached bid which the bidder proposes to supply to the State are **not** manufactured or produced in the "United States" as defined in Section 34.350, RsMO, then: (a) check the box at left; (b) list below, by item (or item number), the country other than the United States where each good or product is manufactured or produced; and (c) check the boxes to the left of the paragraphs below if applicable and list the corresponding items (or item numbers) in the spaces provided.

Item (or item number)	Location Where Item Manufactured or Produced

(attach an additional sheet if necessary)

☐ The following specified goods or products cannot be manufactured or produced in the United States in sufficient quantities or in time to meet the contract specifications. Items (or item numbers):

☐ The following specified goods or products must be treated as manufactured or produced in the United States, in accordance with an existing treaty, law, agreement, or regulation of the United States, including a treaty between the United States and any foreign country regarding export-import restrictions or international trade. Items (or item numbers):

CERTIFICATION

By submitting this document, completed as directed above, with a bid, the bidder certifies under penalty of making false declaration (Section 575.060, RsMO) that the information contained in this document is true, correct and complete, and may be relied upon by the City in determining the bidders qualifications under and in compliance with the Missouri Domestic Products Procurement Act. The bidder's failure to complete and return this document with the bid as directed above will cause the City to presume the manufactured goods or products listed in the bid are not manufactured or produced in the United States, and the bid will be evaluated on that basis pursuant to Section 34.353.3(2), RsMO.

CITY OF O'FALLON, MISSOURI

SIGNATURE AND IDENTITY OF BIDDER

The undersigned states that the correct LEGAL NAME and ADDRESS of (1) the individual Bidder, (2) each partner or joint venture (whether individuals or corporations, and whether doing business under a fictitious name), or (3) the corporation (with the City in which it is incorporated) are shown below; that (if not signing with the intention of binding himself to become the responsible and sole contractor) he is the agent of, and duly authorized in writing to sign for the Bidder or Bidders; and that he is signing and executing this (as indicated in the proper spaces below) as the proposal of a

() sole individual () partnership () joint venture

() corporation, incorporated under laws of State of _____

Date Business Established: _____

Dated: _____

Name of individual, all partners,
or joint ventures:

Address of each:

doing business under the name of:

Address of principal place of business in Missouri

(If using a fictitious name, show
this name above in addition
to legal names)

(If a corporation, show its name above)
ATTEST: (SEAL)

Secretary

Title

(NOTE: If the Bidder is doing business under a FICTITIOUS NAME, the Proposal shall be executed in the legal name of the individual, partners, joint ventures, or corporation, with the legal address shown, and REGISTRATION OF FICTITIOUS NAME filed with the Secretary of State, as required by Sections 417.200 to 417.230, RS Mo. If the Bidder is a CORPORATION NOT ORGANIZED UNDER THE LAWS OF MISSOURI, it shall procure a CERTIFICATE OF AUTHORITY TO DO BUSINESS IN MISSOURI, as required by Section 351.570 and following, RS Mo. A CERTIFIED COPY of such Registration of Fictitious Name or Certificate of Authority to do Business in Missouri shall be included with this bid.

**CERTIFICATION OF COMPLIANCE WITH SECTION 34.600 RSMO., SUPP.
2020**

(Does not apply to contracts totaling less than \$100,000, or to contractors with fewer than 10 employees)

NOTE: Missouri law prohibits any public entity from entering into a contract to acquire or dispose of services, supplies, information technology or construction unless the contract includes a written certification that the company is not currently engaged in and shall not, for the duration of the contract, engage in a boycott of goods or services from the state of Israel; companies doing business in or with Israel or authorized by, licensed by or organized under the laws of the state of Israel; or person or entities doing business in the state of Israel.

I am _____ (name), and I am the _____ (title) of _____ (company name) a (circle one) corporation, partnership, sole proprietorship, limited liability company, and am competent and authorized to make the following statement and attest to its truthfulness:

_____ I hereby certify that the company is not currently engaged in and shall not, for the duration of this contract, engage in a boycott of goods or services from the State of Israel; companies doing business in or with Israel or authorized by, licensed by or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel, in accordance with the terms and conditions set forth in Section 34.600 RSMo, Supp. 2020.

OR:

_____ The business employs fewer than 10 employees.

Company Name

Signature

Printed Name and Title

CITY OF O'FALLON, MISSOURI



SAMPLE AGREEMENT

THIS AGREEMENT is made and entered into this ____ day of _____, 20____, by and between the City of O'Fallon, Missouri (CITY) and _____ (VENDOR). The parties agree as follows:

1. VENDOR agrees to provide the CITY with products or services in accordance with the bid documents and specifications entitled _____ with a bid opening held on ____ <date> _____. Said bid documents and specifications shall be incorporated into this contract by this reference.
2. The CITY in accordance with the attached Proposal will pay VENDOR an amount not to exceed \$ _____ upon completion of the work noted above.
3. VENDOR shall provide and bill for only those services associated with this project. No additional charges will be allowed without prior approval. All work performed shall be identified and quantified on each invoice.
4. VENDOR is an independent contractor and nothing contained herein shall constitute or designate VENDOR or any of its agents or employees as agents or employees of the CITY.
5. VENDOR agrees in the performance of this agreement that it will not discriminate against any employee of applicant for employment because of race, creed, color, age, sex, national origin, ancestry, religion or political opinion or affiliation.
6. VENDOR shall maintain during the life of this Agreement and furnish to the CITY the appropriate Professional Liability, Commercial General Liability, and Workers Compensation insurance certificates in amounts as detailed in the bid specifications. An original Certificate of Insurance from the company or authorized agent of record must be furnished to the City, provide that the City of O'Fallon is an "Additional Insured" on the Vendor's Commercial General Liability policy during the Term of the Agreement, and a copy of such "Additional Insured" endorsement must accompany the insurance certificate. This requirement of insurance does not limit the Vendor's liability under the Agreement in any manner. VENDOR shall provide 30 days written notice prior to any change in insurance.
7. VENDOR agrees to indemnify the CITY, its' officials, and employees from any loss, damage, costs, charges or expenses to person or property by reason of any action or omission on the part of any person or company involved in this agreement.

VENDOR:

CITY OF O'FALLON, MISSOURI

Company Name

Michael Snowden, City Administrator Date

Signature

Date

ATTEST:

Print Name

Bess Bacher, City Clerk

Date

CITY OF O'FALLON, MISSOURI

SPECIFICATIONS**Company Name:** _____

The City of O'Fallon, MO ("City") is accepting sealed bids to furnish and deliver an open channel comminutor and all related components as detailed below for the Peruque and West Lift Stations.

Pricing:

No.	Description	Unit	Price per Unit
1	Peruque – Open Channel Comminutor – Heavy Duty Body Housing; Cantilevered Drive Design; Mechanical Seal; Hardened Stainless Steel Stationary And Rotary Cutters; Heavy Duty Sizing Screen – Stainless Steel; Painted 2 Coats Heavy Epoxy Coating – OSHA Blue	Each	\$
2	Peruque – Submersible Drive And Motor With Full Submersible Capability; 3 HP Submersible Explosion Proof, 230/460V. 3ph, 60 Hz. Motor; 50 Feet Of Cable; Sealed Gear Reducer - Vertical - Oil Filled	Each	\$
3	Peruque – Automatic Reversing Controller - Nema 4X FRP Enclosure; PLC Logic Control, IEC Starters; LED Indicators - For Long Life; Current Sensing Auto-Reversing Program	Each	\$
4	Peruque – Guide Plate - Plate Frame Mounted To Grinder; 304 Stainless Steel; To Mate Up To Existing Guide Rails	Each	\$
5	Peruque – OVERFLOW BAR SCREEN; 1/4 X 2" X 24" Tall T304SS BAR; Welded Construction; Mounting System	Each	\$
6	Peruque – Rigid Lifting Bail - 304 Stainless Steel; Angle Stock	Each	\$
7	Peruque – Spare Parts - Set of rotary cutters and hardware; Set of stationary cutters and hardware; One mechanical seal; Three (3) fuses of each size; Three (3) LED lamps of each size and color	Each	\$
8	West – Open Channel Comminutor - Heavy-Duty Body Housing - Ductile Iron; Cantilevered Drive Design; Mechanical Seal -Located Above Cutters; Stationary And Rotary Cutters - Hardened SS; Heavy-Duty Sizing Screen - Mounted In Multiple Sections; Painted 2 Coats Heavy Epoxy Coating - Osha Blue	Each	\$

CITY OF O'FALLON, MISSOURI

9	West – 5hp Submersible Drive - 5hp 230/460v. 60 Hz (Ip68) Explosion-Proof Submersible Motor; Gear Reducer - Cycloidal , Quill Type -Sealed Housing; Oil Lubricated For Long Life; 50 Ft. Cable Length	Each	\$
10	West – Automatic Reversing Controller - Nema 4X FRP Enclosure; PLC Logic Control, IEC Starters; LED Indicators - For Long Life; Current Sensing Auto-Reversing Program	Each	\$
11	West – Guide Plate - 304SS - Plate Frame Mounted To Grinder; Constructed In 304 SS; To Mate Up To Existing Guide Rails	Each	\$
12	West – Overflow Bar Screen - 30" Long, X 2" 316ss Bar; Welded Construction; Mounting System	Each	\$
13	West – Rigid Lifting Bail - 304 Stainless Steel Construction; Rigid Lifting Mechanism	Each	\$
14	West – Spare Parts - Set of rotary cutters and hardware; Set of stationary cutters and hardware; One mechanical seal; Three (3) fuses of each size; Three (3) LED lamps of each size and color	Each	\$
15	Startup Assistance – 2 (Two) Days and 2 (Two) Trips	Each	\$
16	Total		\$

PRODUCT SPECIFICATIONS

The grinders and associated elements provided for Peruque and West Lift Stations must conform to the following specifications:

PERUQUE LIFT STATION

Part 1: PRODUCTS

(1) SEWAGE COMMINUTOR

(a) General

- (i) The grinder shall be capable of handling the specified flow rate without the use of moving diverter screen(s).

(b) Mechanism

- (i) Multiple stainless-steel cutters mounted angularly on support arms of a single rotor shall sweep oversized solids from a special concave semicircular screen in a continuous 360 degree rotation and shred them against vertically mounted stationary cutters.
- (ii) The screen and cutters shall be designed so that the rotating cutters penetrate into the slot openings of the screen to positively clear them of debris. The screen bars shall extend to close proximity to the stationary cutters for optimal performance and solids capture.
- (iii) The solids shall be chopped and shredded to a size small enough to pass through the sizing screen. The screen and cutters shall be easily unbolted for repair or replacement without requiring removal of the drive and shaft.
- (iv) The rotating and stationary cutters shall be stainless steel hardened for long life.
- (v) The screen and hardware shall be constructed of AISI 304 Stainless Steel.
- (vi) The stationary cutters shall be adjustable by means of an eccentric adjuster mechanism.
- (vii) The rotating cutters shall be designed to be interchangeable and rotatable for maximum life. Cutters shall be removable from the machine without requiring unit disassembly. This will allow the lower cutters, exposed to the highest concentration of solids and abrasive material, to be replaced by one of the other (higher) cutters.
- (viii) There shall be no bearings located below the lower cutting elements.

(c) Design

- (i) The main housing shall be constructed of Ductile Iron.
- (ii) The top and bottom housing plates shall be constructed of Cast Iron.
- (iii) The bi-directional cutters shall be capable of operation in either direction of rotation to even wear and for optimal operation.
- (iv) The unit shall have continuous available torque throughout its 360-degree rotation. The performance of the machine shall be the same for either direction of rotation.
- (v) The unit shall be designed for continuous 24 hour a day service and shall use an efficient low-speed, high torque gear reducer.

(d) Configuration

- (i) The Comminutor shall be easily removed for periodic servicing without need to enter the sewage stream.
- (ii) Lifting points shall be provided.
- (iii) The unit shall employ a cantilevered drive design.
- (iv) The Comminutor shall be constructed with a single, heavy-duty rotating shaft.
- (v) Radial and axial loads shall be borne by a set of tapered roller bearings on the lower end and a ball bearing on the upper end.
- (vi) Lubrication shall be by oil bath with an oil reservoir located above the bearings to assure optimal lubrication.

CITY OF O'FALLON, MISSOURI

- (vii) An oil level port shall be provided above the main unit which shall be easily accessible. Removal of the equipment shall not be required for replenishment of oil.
- (viii) The drive shall be flanged mounted to the equipment and connected by means of a jaw type coupling.
- (e) Mechanical Seal
 - (i) The mechanical seal shall feature elastomeric members which operate as opposing disk springs when compressed and at the same time keeping the faces of the two hard metallic rings together insuring positive sealing. No metal springs shall be used.
 - (ii) The contact-less labyrinth rings shall be supplied to further protect from coarse granular contaminants.
- (f) Painting Specifications
 - (i) All steel or iron structural components shall be prepared and painted in accordance with the following procedures:
 - 1. The surfaces shall be properly prepared as defined by (SSPC) Steel Structures Paint Council.
 - a. The metal surfaces shall be blast cleaned to near white in preparation for painting to substantially remove mill scale, rust, paint or foreign matter including oil, grease, dirt or oxides.
 - b. The cleaned surfaces shall be primed the same day as cleaned.
 - 2. The parts shall be painted with 2 coats of Polyamide Epoxy.
 - a. One (1) coat primer
 - b. One (1) top coat
 - 3. The dry film thickness shall be 3 to 5 mil per coat.
 - 4. Color shall be Franklin Miller Blue.
 - 5. Finish shall be Satin.
 - 6. All stainless-steel parts, if used, shall not be painted.
- (g) Reducer
 - (i) The speed reducer shall be a oil-filled cycloidal type reducer with "Heavy-Shock" load classification.
 - (ii) Helical gear drives shall not be acceptable.
 - (iii) The reduction ratio shall be 35:1.
 - (iv) The high-speed shaft of the grinder shall be coupled with the reducer via a coupling.
 - (v) The two-piece, three-lobed coupling shall have jaws that intermesh by at least $\frac{3}{4}$ inch (19 mm) for dependable torque transmission.
 - (vi) The reducer shall have a rigid input shaft supported by heavy bearings capable of handling thrust and radial loads and shock conditions.
- (h) Motor
 - (i) The motor shall be: Submersible design, 3 HP, 460V / 3Ph / 60Hz
 - (ii) Motor service factor shall be 1.15 with NEMA premium efficiency standards.
 - (iii) The unit shall incorporate a submersible explosion-proof motor rated for Division 1, Class 1, Group D and Class 1, Group C&D.
 - 1. The motor shall be IP68 submersible, continuous in air and while submerged. IP67 motors shall not be accepted.
 - 2. The motor shall be supplied with 50 ft. (18.29 m) of cable.
 - 3. The motor shall contain moisture-resistant class F 155EC/311EF insulation.
 - 4. The motor shall be Squirrel cage induction, NEMA design B for continuous operation.
 - 5. The motor shall be capable of continuous operation while submerged to 200 feet.

6. The motor shaft shall be constructed of AISI 416 Stainless Steel.
- (i) Wet Well Guide Plate Frame & Overflow Bar Screen
 - (i) The Guide Plate wet well frame shall support the unit and provide for convenient unit removal and installation without bolting the grinder to the existing guiderails.
 1. The Guide Plate frame shall be constructed of AISI 304 stainless steel.
 2. The Guide Plate frame will be bolted to the front of the grinder.
 3. The unit shall slide vertically into a channel frame slot defined by the angles.
- (j) Overflow Bar Screen
 - (i) 30" Long X 1/4" X 2" 316SS Bar
 - (ii) Welded Construction
 - (iii) Mounting System

Part 2: CONTROLLER

- i) GENERAL:
 - (1) The controller shall completely sequence the operation of the equipment covered by the scope of supply.
 - (2) The enclosure shall be a NEMA 4X 304SS and suitable for wall mounting. Hinges and latches shall be corrosion resistant. Enclosure shall house the control devices, relays, terminal blocks, and reversing motor components. A provision shall be made within the enclosure for the connection of a grounding cable.
- ii) POWER INFEED:
 - (1) Terminal blocks only shall be provided for the primary feeder cables entering the controller enclosure.
 - (2) A separate disconnect means with lockout provisions must be provided adjacent to the controller by others.
- iii) MOTOR STARTER:
 - (1) A reversing starter shall be provided for the motor indicated in the job specifications. The size of the starter shall be based on IEC requirements for the motor horsepower, rated 18A minimum. Motor starter shall be a full voltage reversing type with 120 VAC operating coils. Forward and reverse contactors shall have both mechanical and electric interlocks.
 - (a) A motor protection relay shall be furnished as part of the starting equipment. The motor protector shall be adjustable so that the range selected includes the motor nameplate listed FLA (full load amps), rating and the service factor.
 - (b) Repeated unsuccessful attempts to start the motor or a short circuit shall cause the motor protector to trip.
 - (c) Tripping of the motor protector shall stop the motor and flash the trip light. Resetting the relay shall allow the alarm circuitry to be reset.
 - (d) Output terminals shall be provided for connection of the motor leads exiting the enclosure.
- iv) CONTROL CIRCUIT:
 - (1) The following provisions apply to the control circuit:
 - (a) The control circuit voltage shall nominally be 120V.
 - (b) In addition, an adequately sized DC power supply shall be provided where DC is required.
 - (c) The control transformer shall be sized to carry the control-circuit load plus a minimum of 20% spare capacity for future load growth.
 - (d) The transformer primary and secondary side leads shall be fuse protected.
- v) OPERATOR CONTROL:
 - (1) A three-position "HAND-OFF/RESET-AUTO" selector switch shall be provided for the Grinder. Its function is as follows:
 - (a) Hand: When in this position, the equipment shall run under the control of the PLC until the switch is placed in Off/Reset.

CITY OF O'FALLON, MISSOURI

- (b) Off/Reset: When in this position, the motor shall be prevented from starting (in both the forward and reverse directions); the remote-start signal shall be disabled; and the established Alarm Condition lockout circuitry reset.
 - (c) Auto: In this position, when a remote Run signal is received, the motor shall cycle under the control of the PLC. The cycle shall be terminated if the run signal is interrupted, or the selector switch is placed in the Off/Reset position or if the equipment experiences an Alarm Condition.
- (2) Indicators: The following full voltage LED indicators shall be provided:
 - (a) A white "POWER ON" pilot light shall be illuminated when power is available on the secondary side of the control transformer.
 - (b) A green "RUNNING" indicating light shall be illuminated when the selector switch is in the Hand or Auto position with the equipment motor running in the forward or reverse direction; and during motor reversal pauses.
 - (c) A red "TRIP" indicating light shall:
 - (i) Be illuminated steadily when the selector switch is in the Hand or Auto position and the equipment has experienced an Alarm Condition stoppage.
 - (ii) It shall remain illuminated until the selector switch is placed in the Off/Reset position, resetting the Alarm Condition Lockout circuit.
 - (iii) Flash when the motor protection relay trips.
 - (iv) "Double Flash" when the motor winding temperature causes the embedded thermostats to open.
 - (v) A red "SEAL FAIL" indicating light shall be illuminated when excessive moisture is detected in the submersible motor.
- vi) REMOTE I/Os:
 - (1) The following inputs and outputs shall be supplied:
 - (a) Run Status: A Form C dry-contact output shall close when the equipment motor is running (and during motor reversal pauses). It shall open when the equipment is stopped, trips on an Alarm Condition, or power to the controller is disconnected.
 - (b) Trip Status: A Form C dry contact output shall close when the equipment experiences an Alarm Condition stoppage. It shall open when the Alarm Condition lockout circuit has been reset.
 - (i) The contact shall also close and remain closed (no pulsing) when the motor overload relay trips. It shall open when the relay is reset.
 - (c) Motor Thermostats: Provisions shall be made for connection of motor thermostats to indicate Motor over temperature failures. Thermostats shall be connected to individual inputs on the PLC.
 - (d) Remote E-Stop: Provisions shall be made for connection of a maintained contact pushbutton (by others). Depressing the pushbutton shall disable the system. The terminals shall be jumpered (to be removed if installed).
 - (e) Remote Start: Provision shall be made to accept a remote contact closure input (by others) that shall start the cycle when selector switch is in the Auto position.
- vii) PLC:
 - (1) A programmable logic controller shall be provided within the controller.
 - (a) PLC shall be manufactured by IDEC or Siemens.
 - (b) A minimum of 72K programming memory shall be provided with a minimum of 80% of space available for future expansion.
 - (c) PLC shall have an integrated Ethernet port capable of Modbus/TCP communications.
 - (d) Terminal blocks shall be removable to allow for replacement of the PLC without requiring wire removal.
 - (e) The PLC shall have a USB programming port and an SD slot to allow for uploading and downloading of a program without requirement of a PC.
- viii) INSTRUMENTATION:

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- (1) The following items shall be included as part of the controls of the subject equipment:
 - (a) Current Sensor: One phase shall be monitored for a high current condition (for the Grinder), with a current sensor and current relay. If the phase current reaches an adjustable set point, the appropriate motor starter shall be de-energized and after a five-second delay (user adjustable), an "Auto-Clear" sequence as described below shall be initiated. When starting the motor the control should delay looking for a signal from the current sensor for 1.5 seconds (user adjustable), to avoid tripping on motor inrush currents.
 - (b) Panel mounted pilot lights shall be full voltage LED 120VAC and visible in sunlight.
 - (i) To meet Sunlight Visible requirement, indicators shall have a minimum luminous intensity of 542 mcd and a minimum luminance of 1482cd/ m2.
 - (c) Moisture Detection: A moisture relay shall be provided within the enclosure. When the prob in the motor detects excessive moisture, the grinder motor is de-energized, the Seal Fail light is illuminated, and an Alarm Condition lockout circuit is established. Terminals shall be provided for sensor leads.
- ix) OPERATION:
 - (1) The mode of operation will be S250. (Reversing grinder that will normally operate in either direction.)
 - (2) When the selector switch is turned to the Hand or Auto position (only after receiving a remote Run signal if in Auto), the equipment shall start and run in the direction opposite from the direction it was running when it was last stopped.
 - (3) If the equipment runs for more than two hours without experiencing an Alarm Condition, the motor starter shall be de-energized. After a two-second delay (adjustable), to allow the equipment to coast to a stop, the grinder shall run in the opposite direction.
 - (4) The automatic reversals shall continue until the cycle is stopped by interrupting the remote-run signal, or by moving the selector switch to the Off/Reset position, or if a Jam occurs. This periodic rotation change aids in cleaning the equipment.
 - (5) Auto Clear Cycle:
 - (a) If the phase current reaches an adjustable set point (factory set) at any time within the 2-hour cycle, the motor shall be de-energized.
 - (b) After a 2-second delay (adjustable), the equipment shall automatically restart in the opposite direction of rotation in an attempt to clear the Jam.
 - (c) This auto-clear cycle shall be repeated a total of four times (adjustable).
 - (d) If at any time the equipment runs for more than 30 seconds in the forward direction during the four attempts, the reversal counter shall be reset.
 - (6) Alarm Condition:
 - (a) If after four tries, however, the Jam condition still exists, the forward starter shall be de-energized, and after a 2-second delay, the reverse starter coil shall be energized for 1-second, then be de-energized.
 - (b) An Alarm Condition lockout circuit shall be established and remain in the alarm state (even if power is out), until it is reset.
 - (c) The lockout circuit shall disable the automatic cycle, cause the Trip pilot light to be illuminated, the Trip status contact to close, the Running pilot light to be extinguished, and the Run Status contact to open. Once the obstruction has been cleared, the Alarm Condition lockout circuit can be reset by moving the selector switch to the Off/Reset position.

Part 3: EXECUTION

- i) FACTORY TEST:
 - (1) Each machine shall be tested to ensure satisfactory operation.
- ii) INSTALLATION:

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- (1) All components shall be installed in accordance with the supplier's installation instructions, and in compliance with all OSHA, local, state, and federal codes and regulations.
- iii) OPERATION AND MAINTENANCE MANUALS:
 - (1) Supplier shall provide (2) Operation and Maintenance Manuals. The manuals shall include equipment descriptions, operating instructions, drawings, troubleshooting techniques, a recommended maintenance schedule, and the recommended lubricants.
 - (2) Operation and Maintenance Manuals shall be provided in hardcover 3-ring binders with the serial number and equipment model information displayed on the front cover.
- iv) STARTUP AND TRAINING
 - (1) Requirement manufacturer service:
 - (a) Retain a qualified representative of the manufacturer for a minimum period of one (1) days with one (1) trip to perform the following services:
 - (i) Oversee installation of the equipment and accessories specified herein.
 - (ii) Inspect the completed installation and note deficiencies.
 - (iii) Be present and assist Using Agency and general contractor during start-up and adjusting of completed installation.

WEST LIFT STATION

Part 1: PRODUCTS

- i) SEWAGE COMMINUTOR
 - (1) General
 - (a) The grinder shall be capable of handling the specified flow rate without the use of moving diverter screen(s).
 - (2) Mechanism
 - (a) Multiple stainless-steel cutters mounted angularly on support arms of a single rotor shall sweep oversized solids from a special concave semicircular screen in a continuous 360 degree rotation and shred them against vertically mounted stationary cutters.
 - (b) The screen and cutters shall be designed so that the rotating cutters penetrate into the slot openings of the screen to positively clear them of debris. The screen bars shall extend to close proximity to the stationary cutters for optimal performance and solids capture.
 - (c) The solids shall be chopped and shredded to a size small enough to pass through the sizing screen. The screen and cutters shall be easily unbolted for repair or replacement without requiring removal of the drive and shaft.
 - (d) The rotating and stationary cutters shall be stainless steel hardened for long life.
 - (e) The screen and hardware shall be constructed of AISI 304 Stainless Steel.
 - (f) The stationary cutters shall be adjustable by means of an eccentric adjuster mechanism.
 - (g) The rotating cutters shall be designed to be interchangeable and rotatable for maximum life. Cutters shall be removable from the machine without requiring unit disassembly. This will allow the lower cutters, exposed to the highest concentration of solids and abrasive material, to be replaced by one of the other (higher) cutters.
 - (h) There shall be no bearings located below the lower cutting elements.
 - (3) Design
 - (a) The main housing shall be constructed of Ductile Iron.
 - (b) The top and bottom housing plates shall be constructed of Cast Iron.
 - (c) The bi-directional cutters shall be capable of operation in either direction of rotation to even wear and for optimal operation.

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- (d) The unit shall have continuous available torque throughout its 360-degree rotation. The performance of the machine shall be the same for either direction of rotation.
- (e) The unit shall be designed for continuous 24 hour a day service and shall use an efficient low speed, high torque gear reducer.
- (4) Configuration
 - (a) The Comminutor shall be easily removed for periodic servicing without need to enter the sewage stream.
 - (b) Lifting points shall be provided.
 - (c) The unit shall employ a cantilevered drive design.
 - (d) The Comminutor shall be constructed with a single, heavy-duty rotating shaft.
 - (e) Radial and axial loads shall be borne by a set of tapered roller bearings on the lower end and a ball bearing on the upper end.
 - (f) Lubrication shall be by oil bath with an oil reservoir located above the bearings to assure optimal lubrication.
 - (g) An oil level port shall be provided above the main unit which shall be easily accessible. Removal of the equipment shall not be required for replenishment of oil.
 - (h) The drive shall be flanged mounted to the equipment and connected by means of a jaw type coupling.
- (5) Mechanical Seal
 - (a) The mechanical seal shall feature elastomeric members which operate as opposing disk springs when compressed and at the same time keeping the faces of the two hard metallic rings together insuring positive sealing. No metal springs shall be used.
 - (b) The contact-less labyrinth rings shall be supplied to further protect from coarse granular contaminants.
- (6) Painting Specifications
 - (a) All steel or iron structural components shall be prepared and painted in accordance with the following procedures:
 - (i) The surfaces shall be properly prepared as defined by (SSPC) Steel Structures Paint Council.
 - 1. The metal surfaces shall be blast cleaned to near-white in preparation for painting to substantially remove mill scale, rust, paint or foreign matter including oil, grease, dirt or oxides.
 - 2. The cleaned surfaces shall be primed the same day as cleaned.
 - (ii) The parts shall be painted with 2 coats of Polyamide Epoxy.
 - 1. One (1) coat primer
 - 2. One (1) Top coat
 - (iii) The dry film thickness shall be 3 to 5 mil per coat.
 - (iv) Color shall be Franklin Miller Blue.
 - (v) Finish shall be Satin.
 - (vi) All stainless-steel parts, if used, shall not be painted.
- (7) Reducer
 - (a) The speed reducer shall be a oil-filled cycloidal type reducer with "Heavy-Shock" load classification.
 - (b) Helical gear drives shall not be acceptable.
 - (c) The reduction ratio shall be 35:1.
 - (d) The high-speed shaft of the grinder shall be coupled with the reducer via a coupling.
 - (e) The two-piece, three-lobed coupling shall have jaws that intermesh by at least $\frac{3}{4}$ inch (19 mm) for dependable torque transmission.
 - (f) The reducer shall have a rigid input shaft supported by heavy bearings capable of handling thrust and radial loads and shock conditions.
- (8) Motor
 - (a) The motor shall be: Submersible design, 5 HP, 460V / 3Ph / 60Hz

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- (b) Motor service factor shall be 1.15 with NEMA premium efficiency standards.
- (c) The unit shall incorporate a submersible explosion-proof motor rated for Division 1, Class 1, Group D and Class 1, Group C&D.
 - (i) The motor shall be IP68 submersible, continuous in air and while submerged. IP67 motors shall not be accepted.
 - (ii) The motor shall be supplied with 50 ft. (18.29 m) of cable.
 - (iii) The motor shall contain moisture-resistant class F 155EC/311EF insulation.
 - (iv) The motor shall be Squirrel cage induction, NEMA design B for continuous operation.
 - (v) The motor shall be capable of continuous operation while submerged to 200 feet.
- (d) The motor shaft shall be constructed of AISI 416 Stainless Steel.
- (9) Wet Well Guide Plate Frame & Overflow Bar Screen
 - (a) The Guide Plate wet well frame shall support the unit and provide for convenient unit removal and installation without bolting the grinder to the existing guiderails.
 - (i) The Guide Plate frame shall be constructed of AISI 304 stainless steel.
 - (ii) The Guide Plate frame will be bolted to the front of the grinder.
 - (iii) The unit shall slide vertically into a channel frame slot defined by the angles.
 - (b) Overflow Bar Screen
 - (i) 30" Long X 1/4" X 2" 316SS Bar
 - (ii) Welded Construction
 - (iii) Mounting System

Part 2: CONTROLLER

- i) GENERAL:
 - (1) The controller shall completely sequence the operation of the equipment covered by the scope of supply.
 - (2) The enclosure shall be a NEMA 4X 304SS and suitable for wall mounting. Hinges and latches shall be corrosion resistant. Enclosure shall house the control devices, relays, terminal blocks, and reversing motor components. A provision shall be made within the enclosure for the connection of a grounding cable.
- ii) POWER INFEED:
 - (a) Terminal blocks only shall be provided for the primary feeder cables entering the controller enclosure.
 - (b) A separate disconnect means with lockout provisions must be provided adjacent to the controller by others.
- iii) MOTOR STARTER:
 - (a) A reversing starter shall be provided for the motor indicated in the job specifications. The size of the starter shall be based on IEC requirements for the motor horsepower, rated 18A minimum. Motor starter shall be a full voltage reversing type with 120 VAC operating coils. Forward and reverse contactors shall have both mechanical and electric interlocks.
 - 1. A motor protection relay shall be furnished as part of the starting equipment. The motor protector shall be adjustable so that the range selected includes the motor nameplate listed FLA (full load amps), rating and the service factor.
 - 2. Repeated unsuccessful attempts to start the motor or a short circuit shall cause the motor protector to trip.
 - 3. Tripping of the motor protector shall stop the motor and flash the trip light. Resetting the relay shall allow the alarm circuitry to be reset.
 - 4. Output terminals shall be provided for connection of the motor leads exiting the enclosure.
- iv) CONTROL CIRCUIT:

- (a) The following provisions apply to the control circuit:
 - 1. The control circuit voltage shall nominally be 120V.
 - 2. In addition, an adequately sized DC power supply shall be provided where DC is required.
 - 3. The control transformer shall be sized to carry the control-circuit load plus a minimum of 20% spare capacity for future load growth.
 - 4. The transformer primary and secondary side leads shall be fuse protected.
- v) OPERATOR CONTROL:
 - (a) A three-position "HAND-OFF/RESET-AUTO" selector switch shall be provided for the Grinder. Its function is as follows:
 - 1. Hand: When in this position, the equipment shall run under the control of the PLC until the switch is placed in Off/Reset.
 - 2. Off/Reset: When in this position, the motor shall be prevented from starting (in both the forward and reverse directions); the remote-start signal shall be disabled; and the established Alarm Condition lockout circuitry reset.
 - 3. Auto: In this position, when a remote Run signal is received, the motor shall cycle under the control of the PLC. The cycle shall be terminated if the run signal is interrupted, or the selector switch is placed in the Off/Reset position or if the equipment experiences an Alarm Condition.
 - (b) Indicators: The following full voltage LED indicators shall be provided:
 - 1. A white "POWER ON" pilot light shall be illuminated when power is available on the secondary side of the control transformer.
 - 2. A green "RUNNING" indicating light shall be illuminated when the selector switch is in the Hand or Auto position with the equipment motor running in the forward or reverse direction; and during motor reversal pauses.
 - 3. A red "TRIP" indicating light shall:
 - i. Be illuminated steadily when the selector switch is in the Hand or Auto position and the equipment has experienced an Alarm Condition stoppage.
 - ii. It shall remain illuminated until the selector switch is placed in the Off/Reset position, resetting the Alarm Condition Lockout circuit.
 - iii. Flash when the motor protection relay trips.
 - iv. "Double Flash" when the motor winding temperature causes the embedded thermostats to open.
 - v. A red "SEAL FAIL" indicating light shall be illuminated when excessive moisture is detected in the submersible motor.
- vi) REMOTE I/Os:
 - (a) The following inputs and outputs shall be supplied:
 - 1. Run Status: A Form C dry-contact output shall close when the equipment motor is running (and during motor reversal pauses). It shall open when the equipment is stopped, trips on an Alarm Condition, or power to the controller is disconnected.
 - 2. Trip Status: A Form C dry contact output shall close when the equipment experiences an Alarm Condition stoppage. It shall open when the Alarm Condition lockout circuit has been reset.
 - i. The contact shall also close and remain closed (no pulsing) when the motor overload relay trips. It shall open when the relay is reset.
 - 3. Motor Thermostats: Provisions shall be made for connection of motor thermostats to indicate Motor over temperature failures. Thermostats shall be connected to individual inputs on the PLC.

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4. Remote E-Stop: Provisions shall be made for connection of a maintained contact pushbutton (by others). Depressing the pushbutton shall disable the system. The terminals shall be jumpered (to be removed if installed).
5. Remote Start: Provision shall be made to accept a remote contact closure input (by others) that shall start the cycle when selector switch is in the Auto position.

vii) PLC:

- (a) A programmable logic controller shall be provided within the controller.
 1. PLC shall be manufactured by IDEC or Siemens.
 2. A minimum of 72K programming memory shall be provided with a minimum of 80% of space available for future expansion.
 3. PLC shall have an integrated Ethernet port capable of Modbus/TCP communications.
 4. Terminal blocks shall be removable to allow for replacement of the PLC without requiring wire removal.
 5. The PLC shall have a USB programming port and an SD slot to allow for uploading and downloading of a program without requirement of a PC.

viii) INSTRUMENTATION:

- (a) The following items shall be included as part of the controls of the subject equipment:
 1. Current Sensor: One phase shall be monitored for a high current condition (for the Grinder), with a current sensor and current relay. If the phase current reaches an adjustable set point, the appropriate motor starter shall be de-energized and after a five-second delay (user adjustable), an "Auto-Clear" sequence as described below shall be initiated. When starting the motor the control should delay looking for a signal from the current sensor for 1.5 seconds (user adjustable), to avoid tripping on motor inrush currents.
 2. Panel mounted pilot lights shall be full voltage LED 120VAC and visible in sunlight.
 - i. To meet Sunlight Visible requirement, indicators shall have a minimum luminous intensity of 542 mcd and a minimum luminance of 1482cd/ m².
 3. Moisture Detection: A moisture relay shall be provided within the enclosure. When the prob in the motor detects excessive moisture, the grinder motor is de-energized, the Seal Fail light is illuminated, and an Alarm Condition lockout circuit is established. Terminals shall be provided for sensor leads.

ix) OPERATION:

- (a) The mode of operation will be S250. (Reversing grinder that will normally operate in either direction.)
- (b) When the selector switch is turned to the Hand or Auto position (only after receiving a remote Run signal if in Auto), the equipment shall start and run in the direction opposite from the direction it was running when it was last stopped.
- (c) If the equipment runs for more than two hours without experiencing an Alarm Condition, the motor starter shall be de-energized. After a two-second delay (adjustable), to allow the equipment to coast to a stop, the grinder shall run in the opposite direction.
- (d) The automatic reversals shall continue until the cycle is stopped by interrupting the remote-run signal, or by moving the selector switch to the Off/Reset position, or if a Jam occurs. This periodic rotation change aids in cleaning the equipment.
- (e) Auto Clear Cycle:
 1. If the phase current reaches an adjustable set point (factory set) at any time within the 2-hour cycle, the motor shall be de-energized.
 2. After a 2-second delay (adjustable), the equipment shall automatically restart in the opposite direction of rotation in an attempt to clear the Jam.

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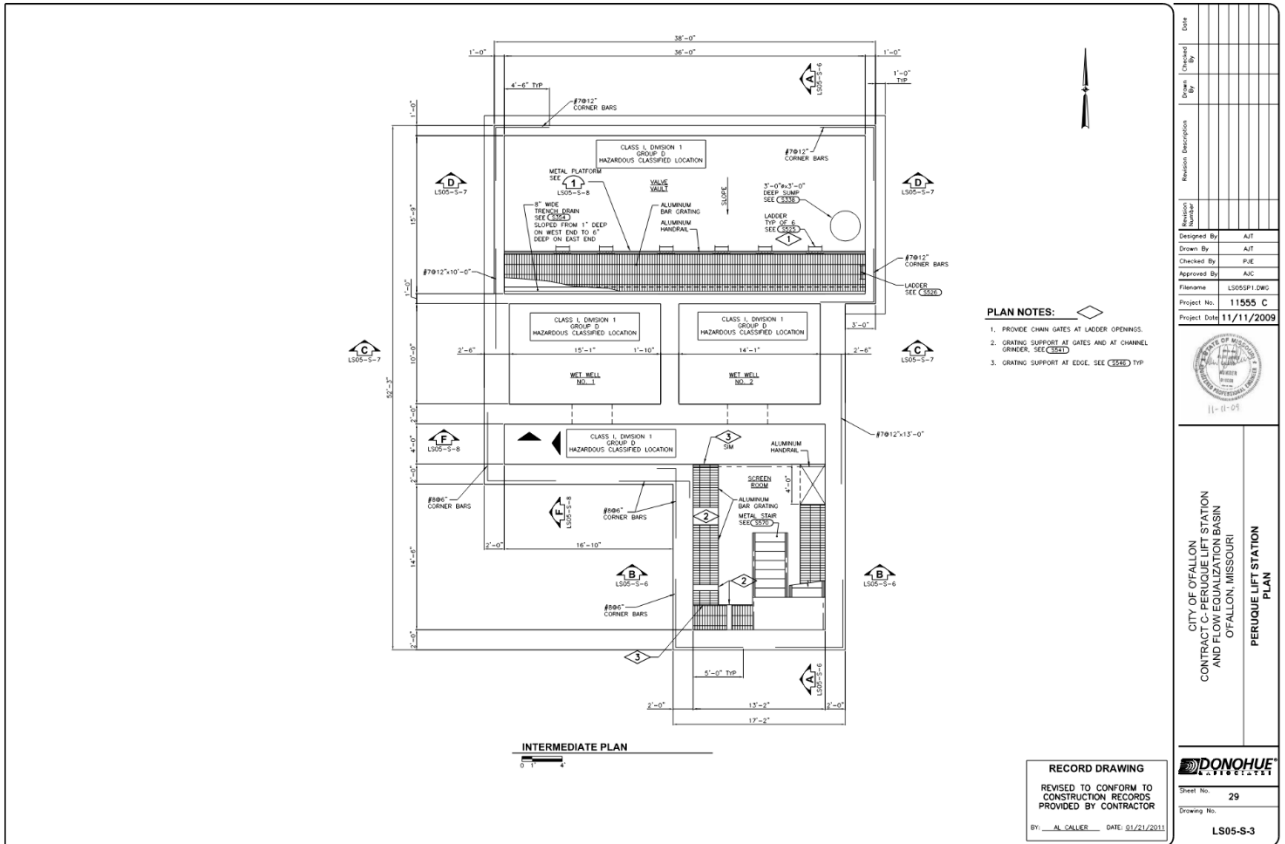
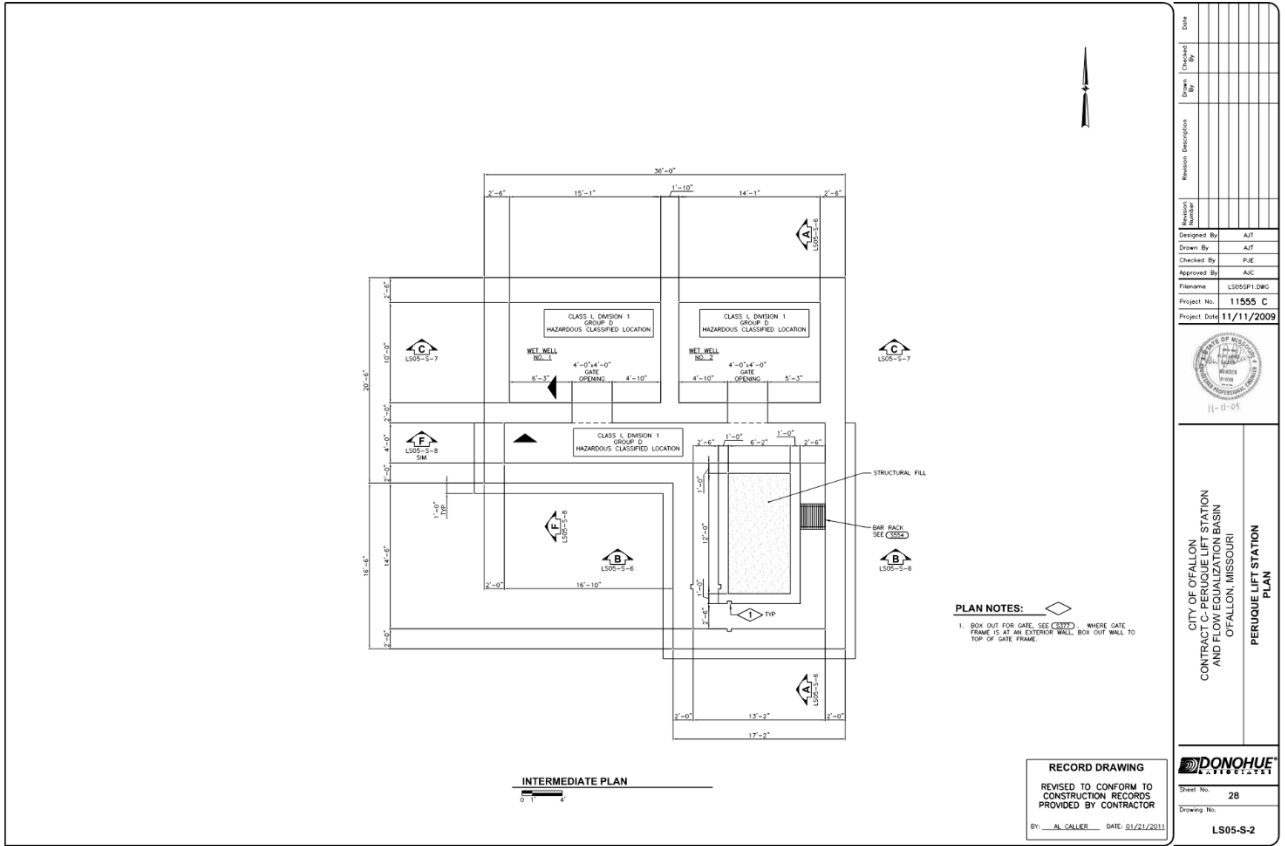
3. This auto-clear cycle shall be repeated a total of four times (adjustable).
 4. If at any time the equipment runs for more than 30 seconds in the forward direction during the four attempts, the reversal counter shall be reset.
- (f) Alarm Condition:
1. If after four tries, however, the Jam condition still exists, the forward starter shall be de-energized, and after a 2-second delay, the reverse starter coil shall be energized for 1-second, then be de-energized.
 2. An Alarm Condition lockout circuit shall be established and remain in the alarm state (even if power is out), until it is reset.
 3. The lockout circuit shall disable the automatic cycle, cause the Trip pilot light to be illuminated, the Trip status contact to close, the Running pilot light to be extinguished, and the Run Status contact to open. Once the obstruction has been cleared, the Alarm Condition lockout circuit can be reset by moving the selector switch to the Off/Reset position.

Part 3: EXECUTION

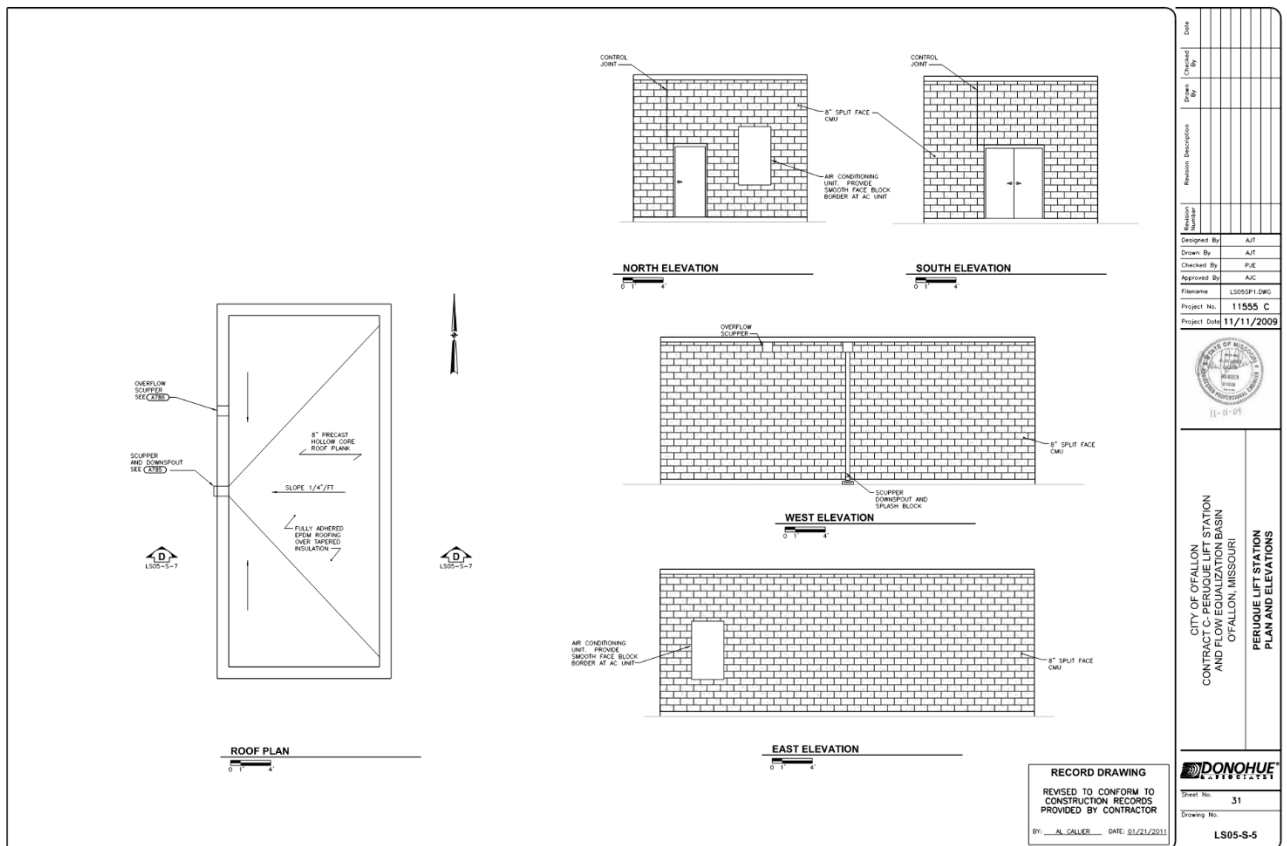
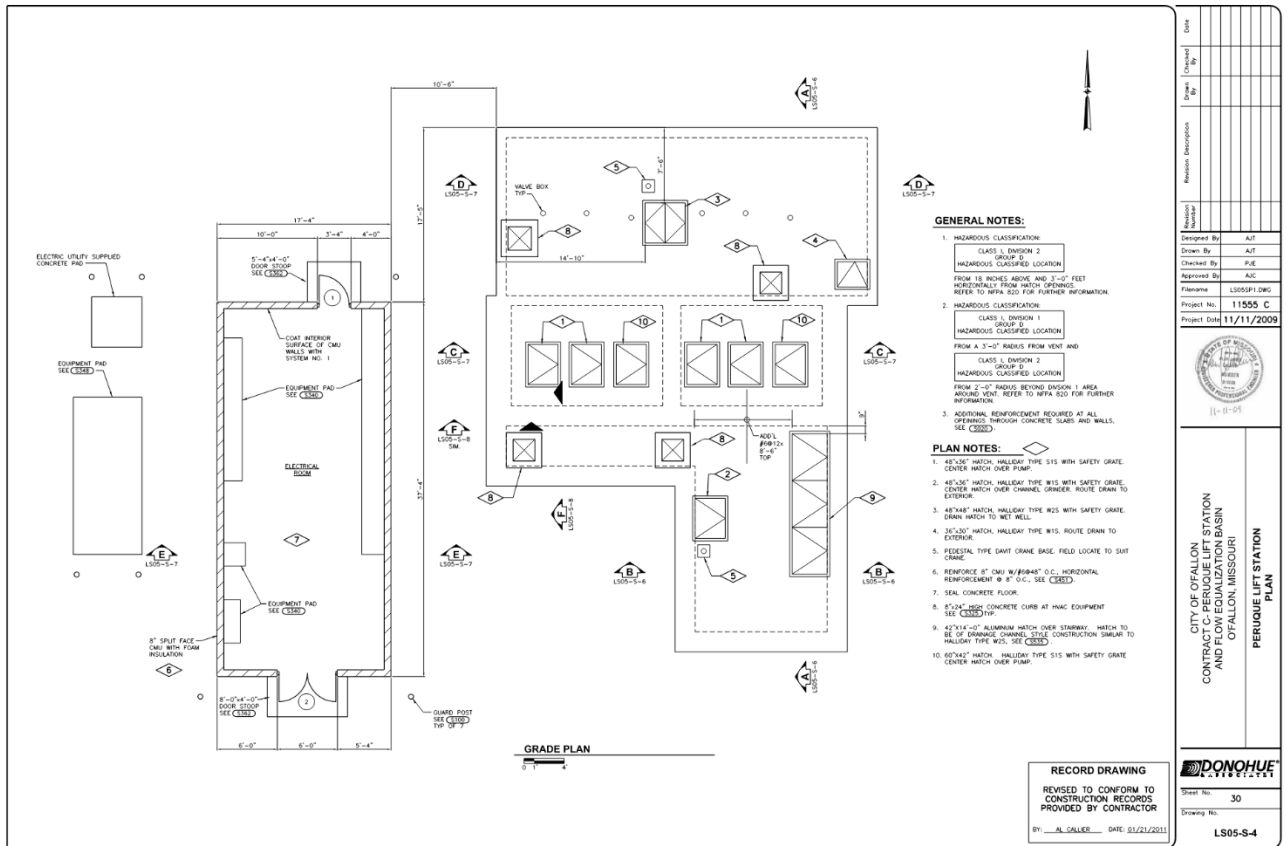
- i) FACTORY TEST:
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- iv) STARTUP AND TRAINING
 - (1) Requirement manufacturer service:
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 - (3) of one (1) day with one (1) trip to perform the following services:
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 - (b) Inspect the completed installation and note deficiencies.
 - (c) Be present and assist Using Agency and general contractor
 - (d) during start-up and adjusting of completed installation.

Attachment A – Peruque Lift Station Record Drawing

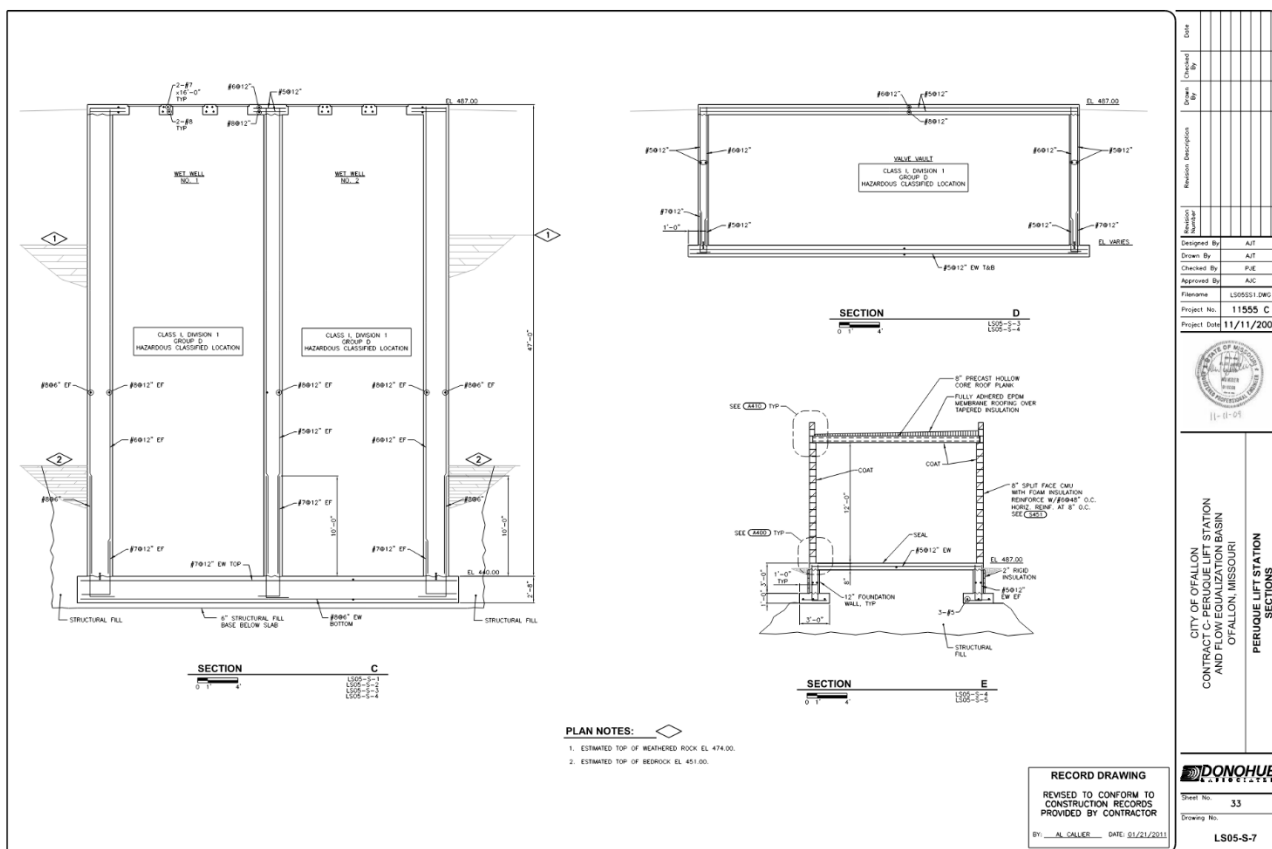
CITY OF O'FALLON, MISSOURI



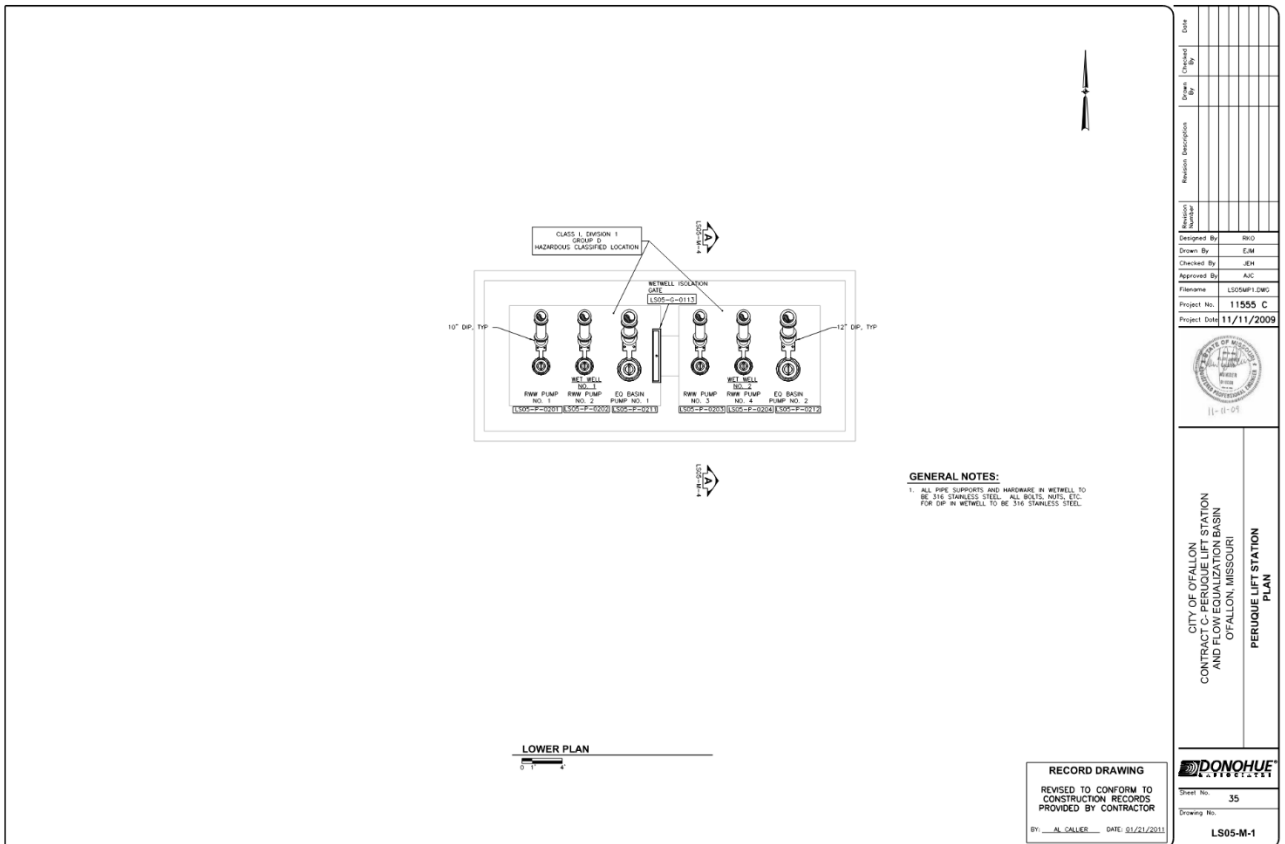
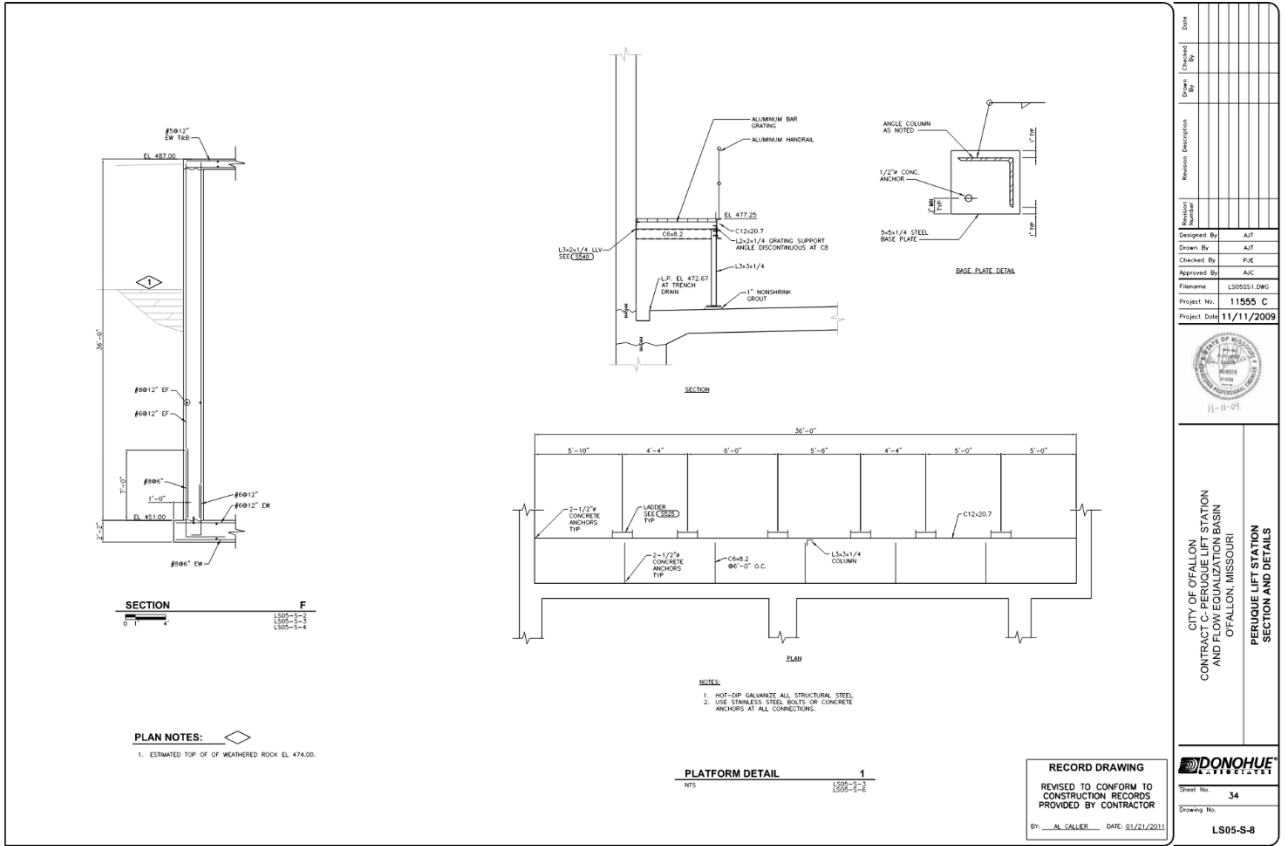
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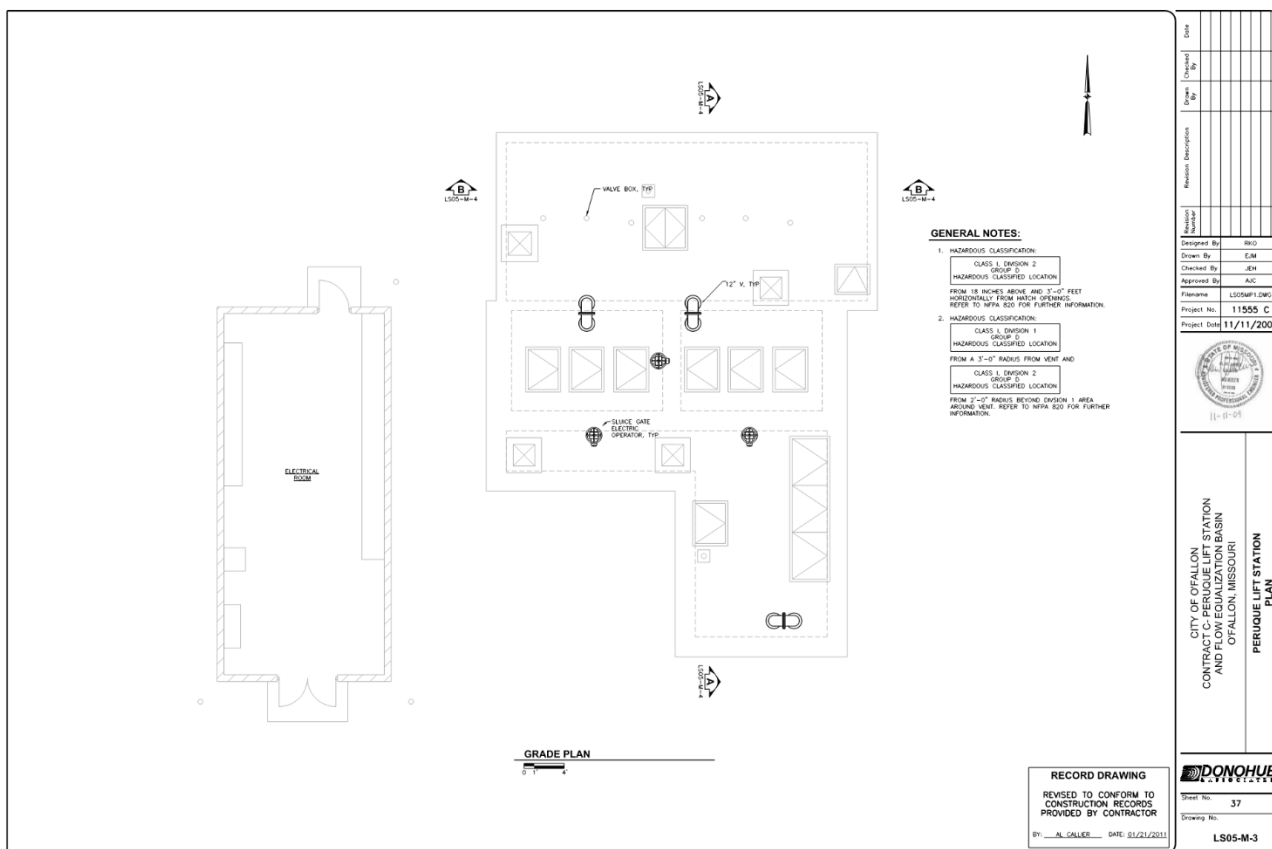
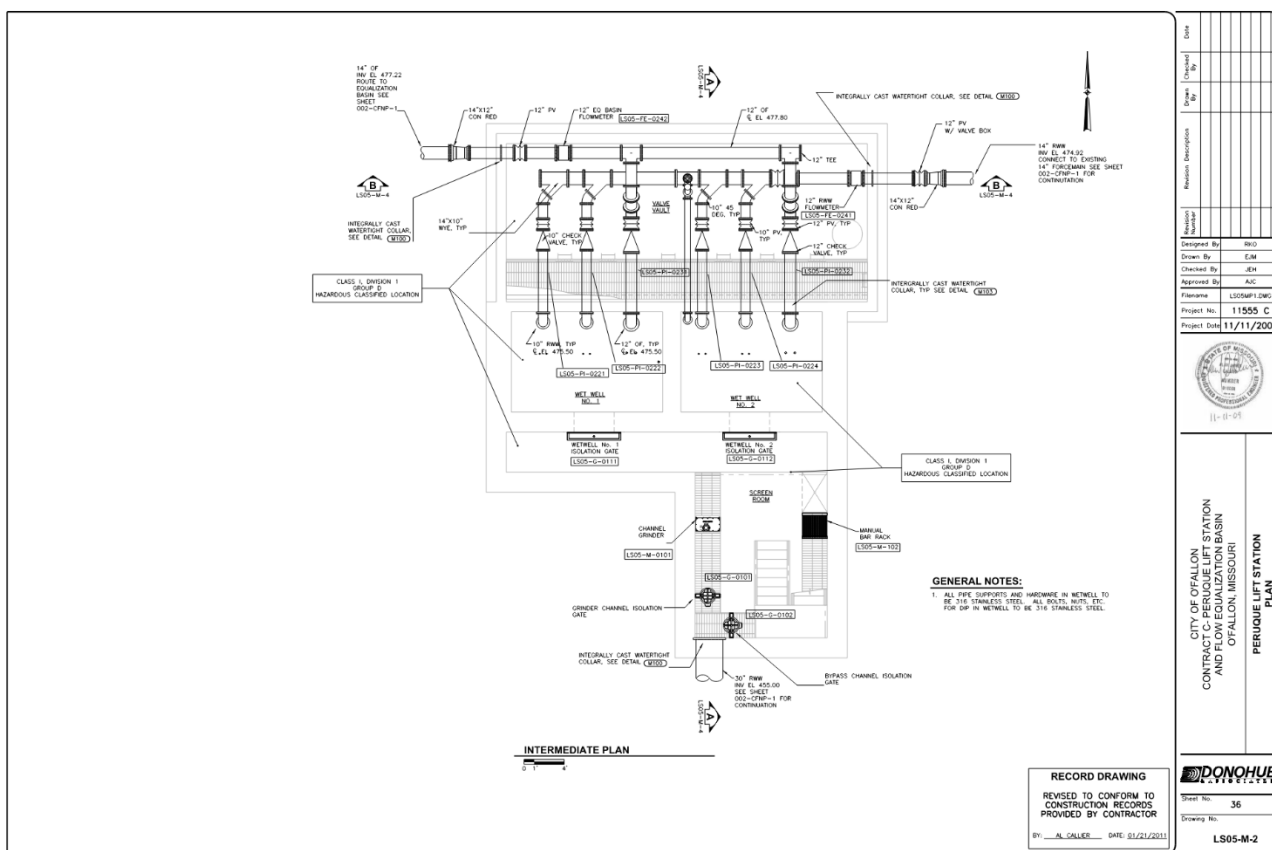
BID #26-046 Sanitary Sewer Comminutors
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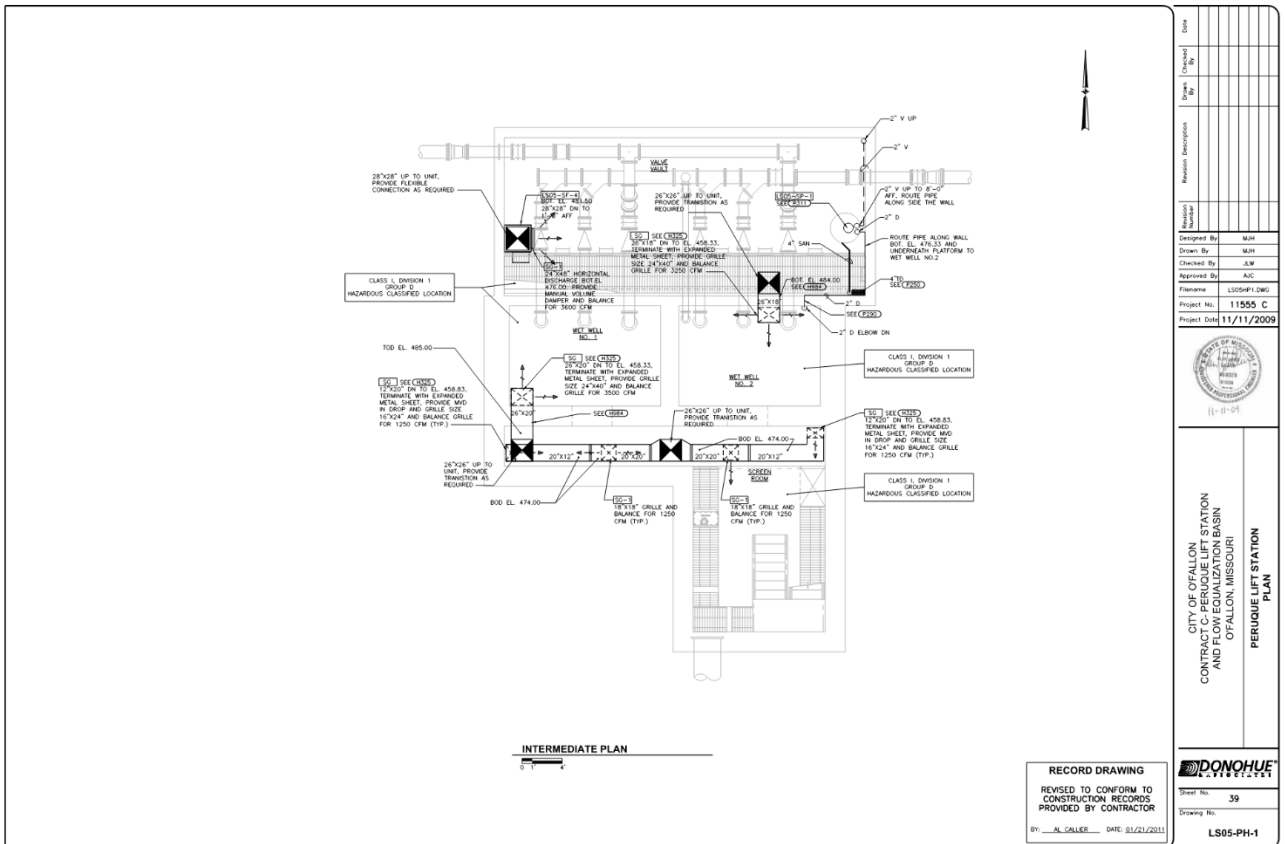
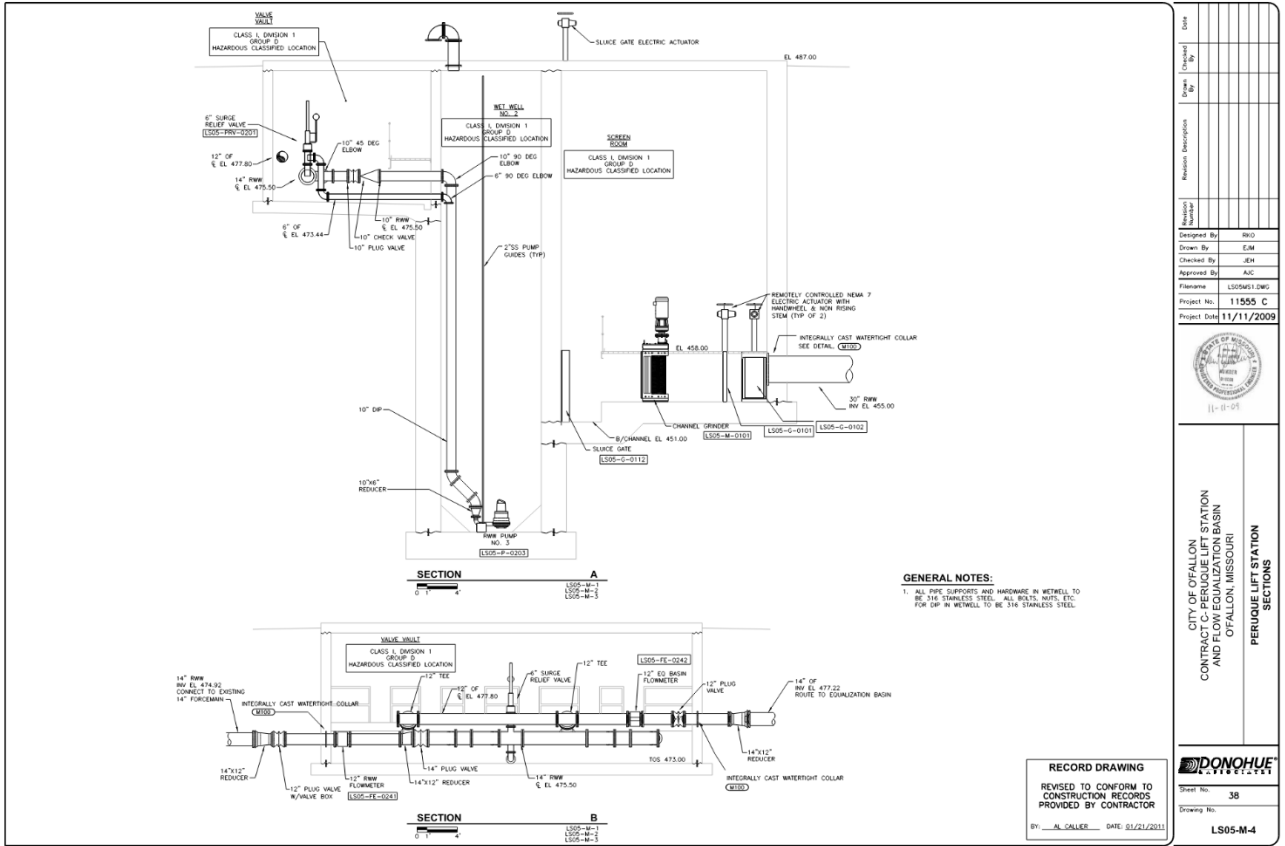
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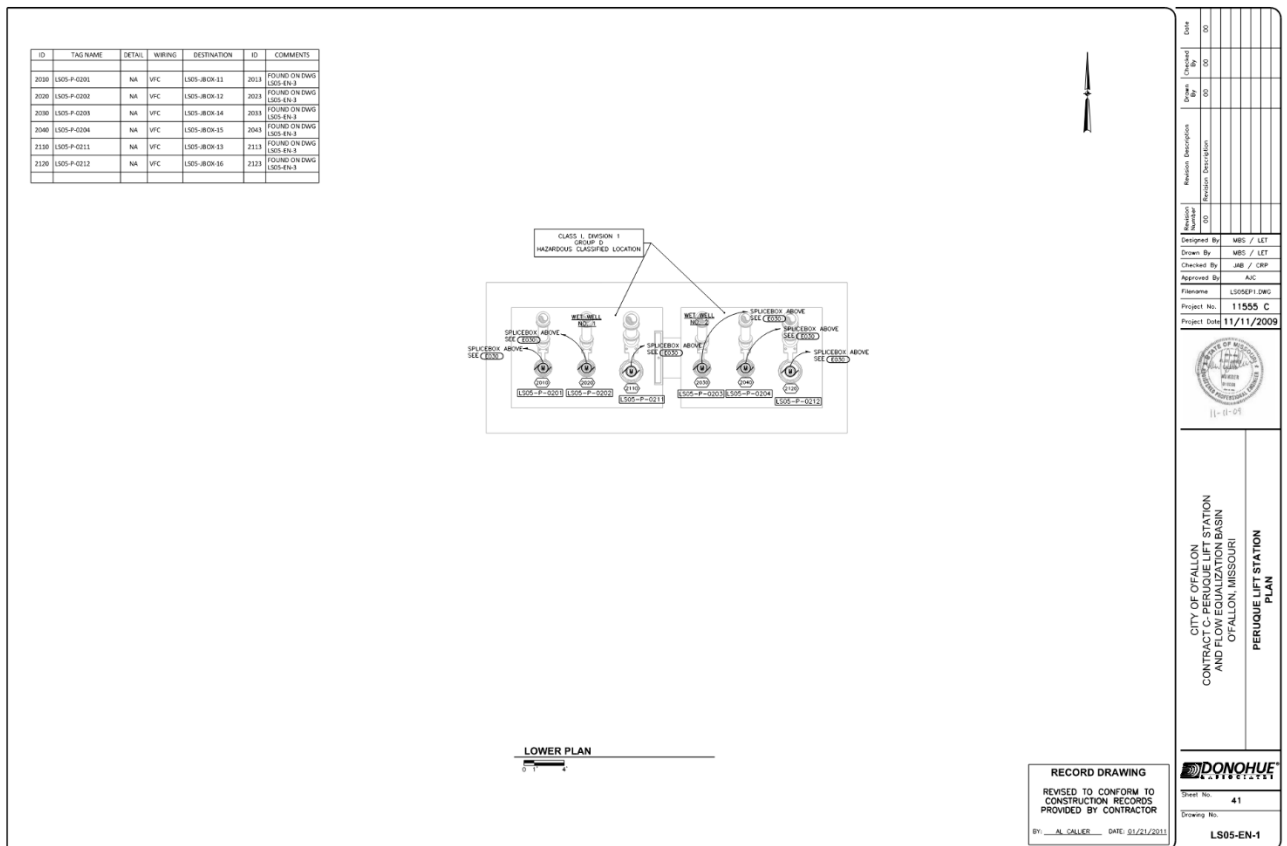
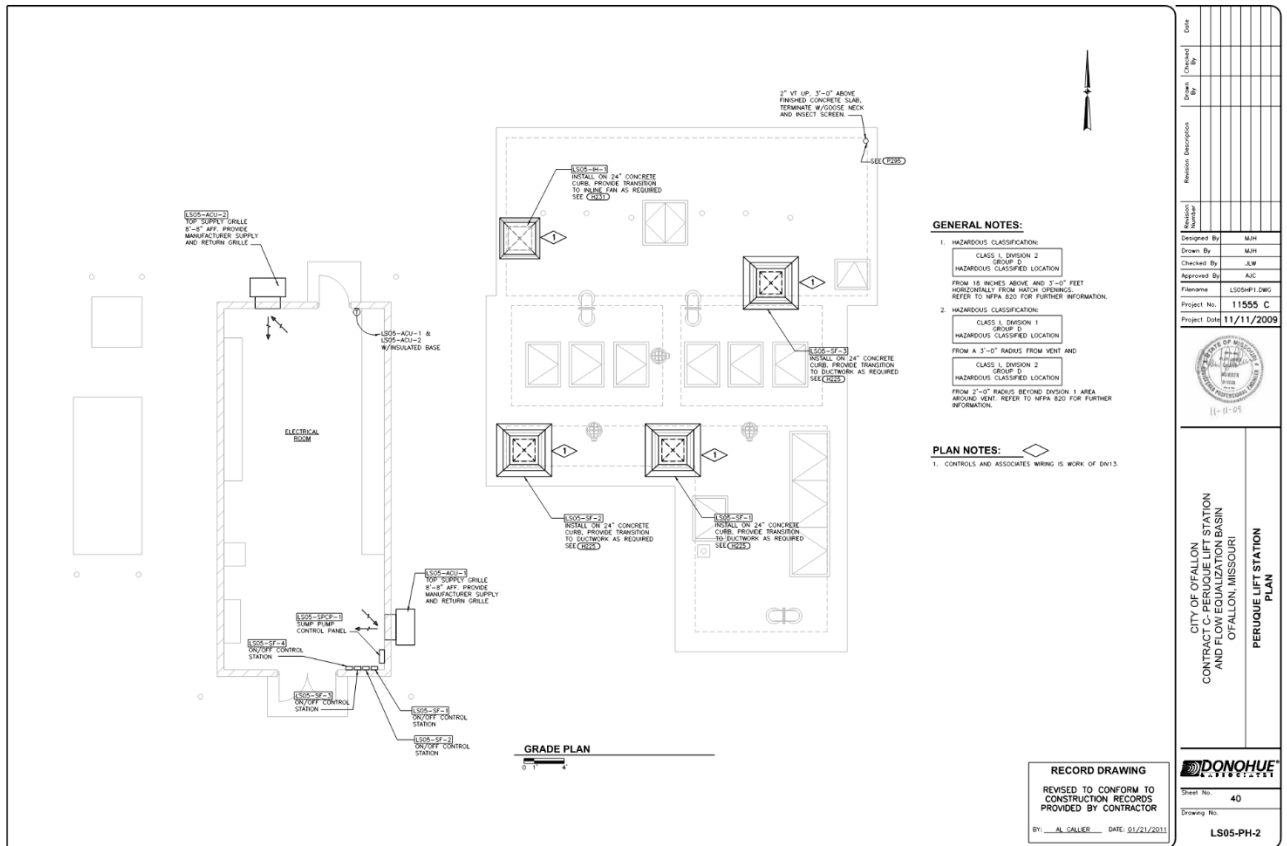
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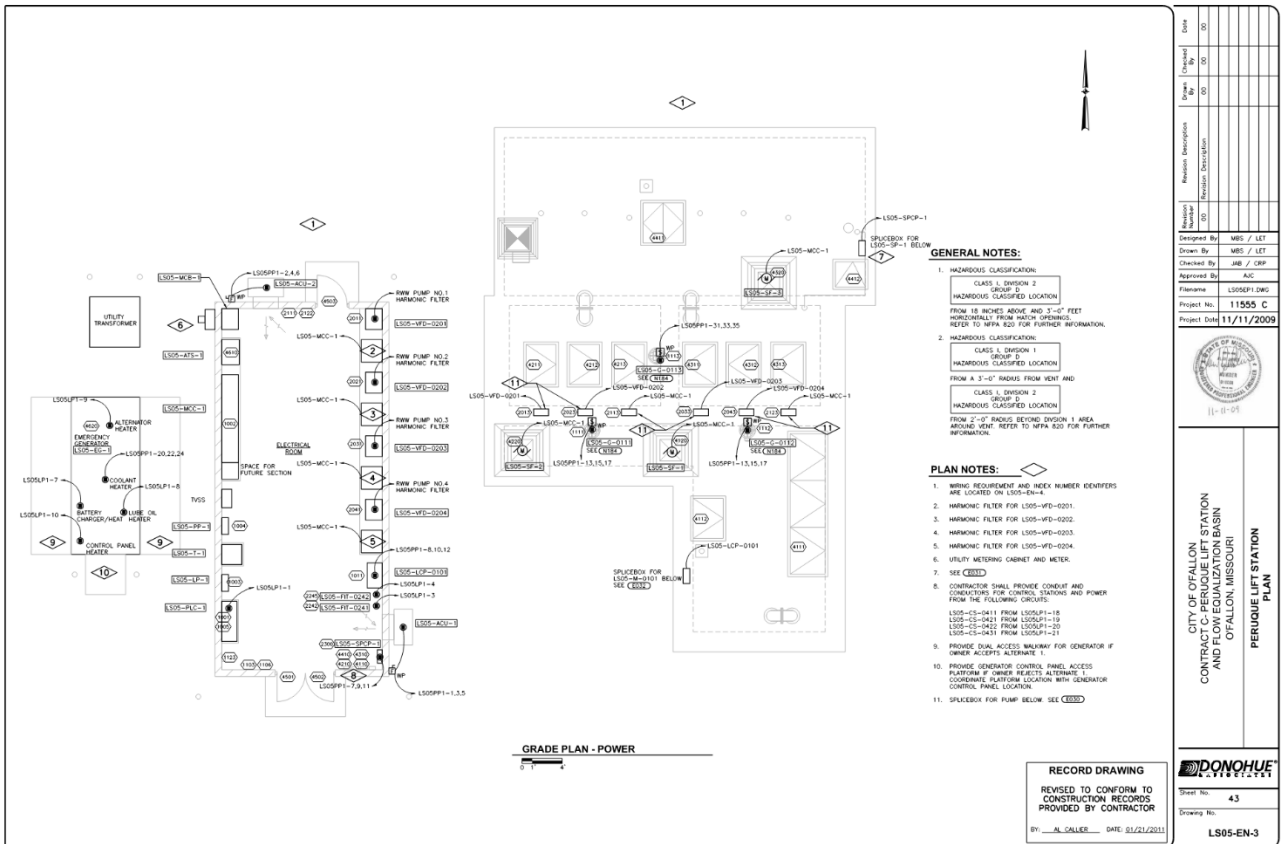
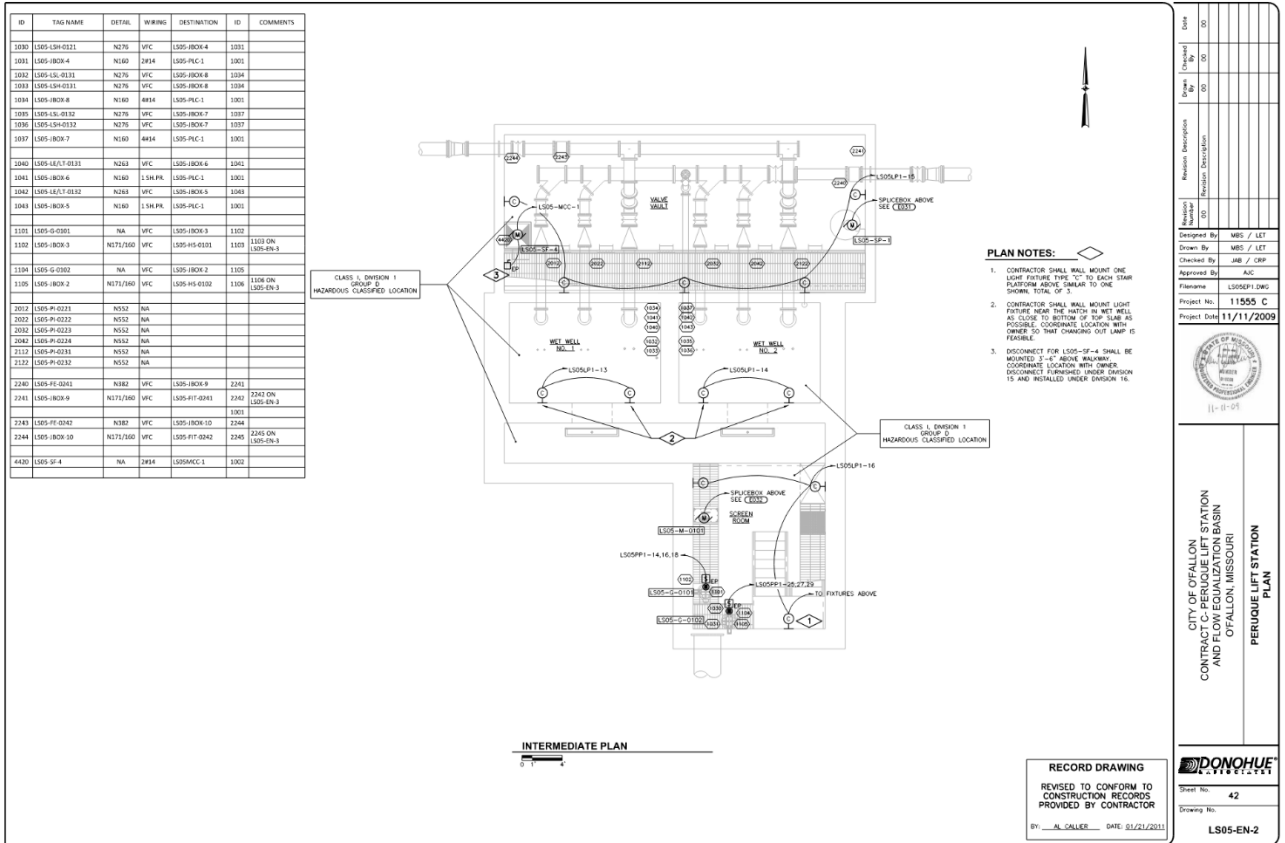
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Attachment B – West Lift Station Record Drawing

CITY OF O'FALLON, MISSOURI

CITY OF O'FALLON, MISSOURI WEST LIFT STATION IMPROVEMENTS

MAY 2004



OPERATORS

ALLIANCE WATER RECOURES

PRESIDENT - GARY ANGER

DIVISION MANAGER - MIKE DOUGHERTY

UTILITY SUPERINTENDENT - GARY JOHNSON

PUMP STATIONS - DAN SCHERER

CITY OFFICIALS

MAYOR - PAUL RENAUD

ALDERMEN

CHERYL HIBBELER - WARD 1

BOB PATEK - WARD 1

DAVE HINMAN - WARD 2

LYN SCHIPPER - WARD 2

DAN BRUNGARD - WARD 3

DAN McATEER - WARD 3

BILL HENNESSY - WARD 4

JEFF KUEHN - WARD 4

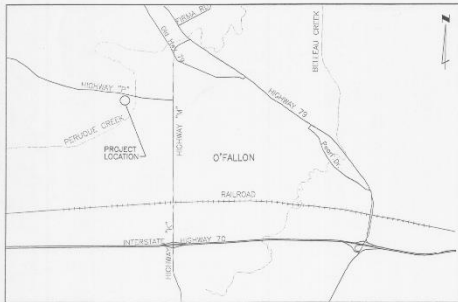
OFFICIALS

INTERIM CITY ADMINISTRATOR - TODD GALBIERZ

CITY CLERK - SANDRA STOKES

MANAGING DIRECTOR OF COMMUNITY DEVELOPMENT - KEN MORGAN

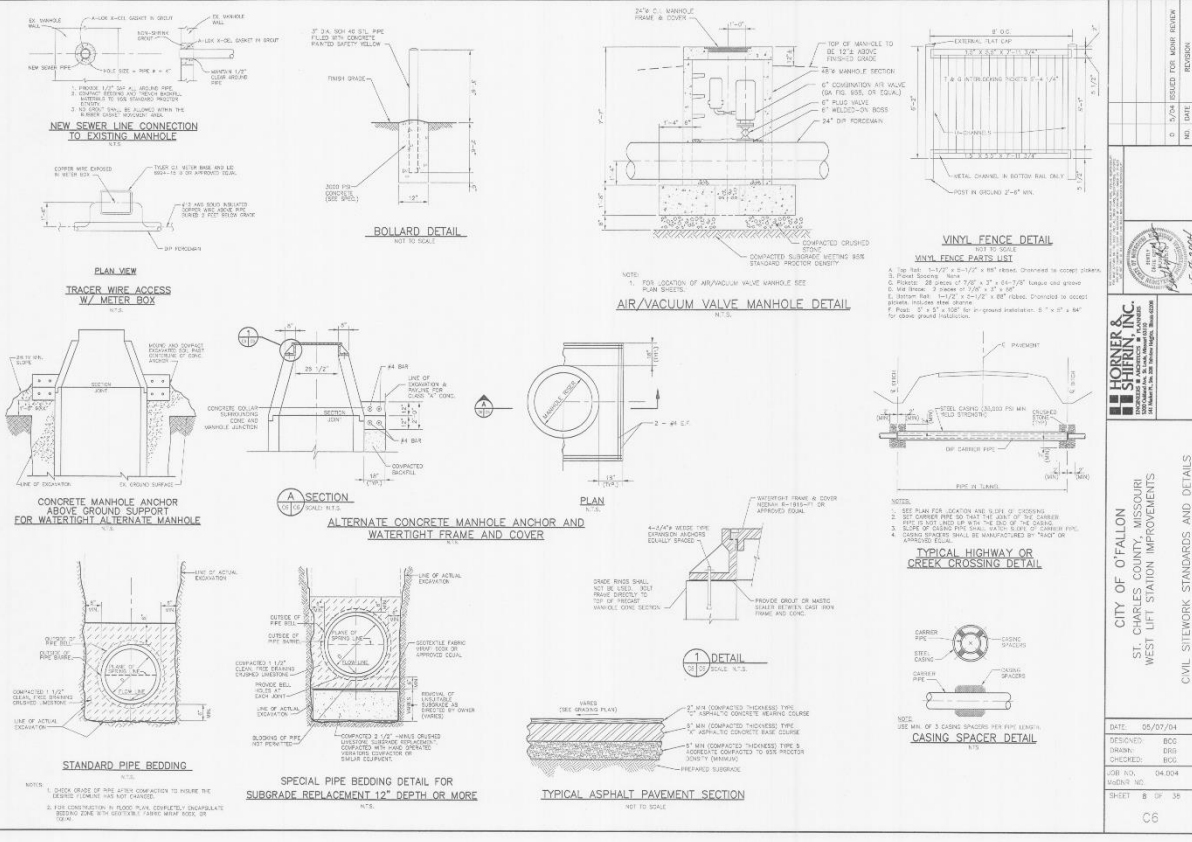
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1		TITLE SHEET
2	G1	GENERAL NOTES, LEGENDS, SYMBOLS, AND ABBREVIATIONS
3	C1	OVERALL SITE PLAN
4	C2	SITE GRADING PLAN AND YARD PIPING
5	C3	FORCEMAIN - PLAN AND PROFILE
6	C4	FORCEMAIN - PLAN AND PROFILE
7	C5	FORCEMAIN - PLAN AND PROFILE
8	C6	CIVIL SITEWORK STANDARDS AND DETAILS
9	C7	MANHOLE AND DIVERSION STRUCTURE DETAILS
10	C8	WATERLINE EXTENSION - SITE PLAN AND DETAILS
11	A1	CONTROL BUILDING - UPPER LEVEL PLAN
12	A2	CONTROL BUILDING - LOWER LEVEL PLAN
13	A3	CONTROL BUILDING - ROOF PLAN
14	A4	CONTROL BUILDING - ELEVATIONS AND DETAILS
15	A5	CONTROL BUILDING - SECTIONS AND DETAILS
16	P1	PUMP STATION - UPPER LEVEL PLAN
17	P2	PUMP STATION - LOWER LEVEL PLAN
18	P3	PUMP STATION - SECTIONS AND DETAILS
19	P4	PUMP STATION - SECTIONS AND DETAILS
20	P5	PUMP STATION - SECTIONS AND MISCELLANEOUS DETAILS
21	P6	PUMP STATION - BACKUP GENERATOR PLAN AND SECTIONS
22	S1	STRUCTURAL GENERAL NOTES
23	S2	PUMP STATION - UPPER LEVEL PLAN
24	S3	PUMP STATION - LOWER LEVEL PLAN
25	S4	PUMP STATION - SECTIONS
26	S5	PUMP STATION - SECTIONS
27	S6	PUMP STATION - SECTIONS
28	S7	CONTROL BUILDING - ROOF PLAN AND DETAILS
29	S8	MISCELLANEOUS DETAILS
30	S9	MISCELLANEOUS DETAILS
31	M1	MECHANICAL - HVAC
32	E1	GENERAL ELECTRICAL NOTES AND SITE PLAN
33	E2	ELECTRICAL ONE-LINE DIAGRAM, ELEVATIONS AND DETAILS
34	E3	ELECTRICAL POWER AND LIGHTING PLAN
35	E4	ELECTRICAL LOWER LEVEL POWER AND LIGHTING PLAN
36	E5	ELECTRICAL CONTROL PLAN
37	E6	ELECTRICAL DETAILS AND SCHEMATICS
38	E7	PANEL, LIGHT FIXTURE, CABLE, AND RACEWAY SCHEDULES



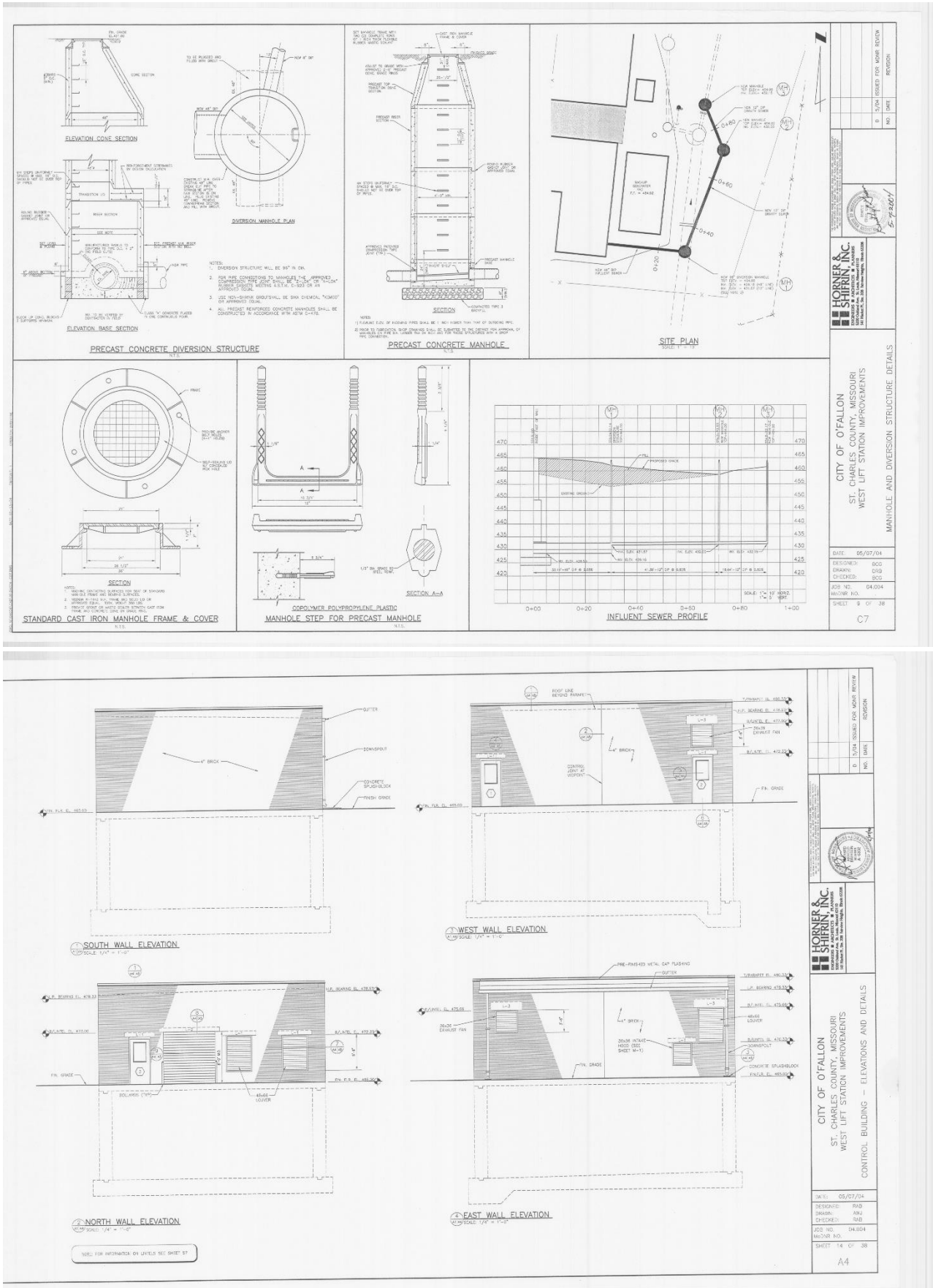
PROJECT LOCATION MAP

N.T.S.

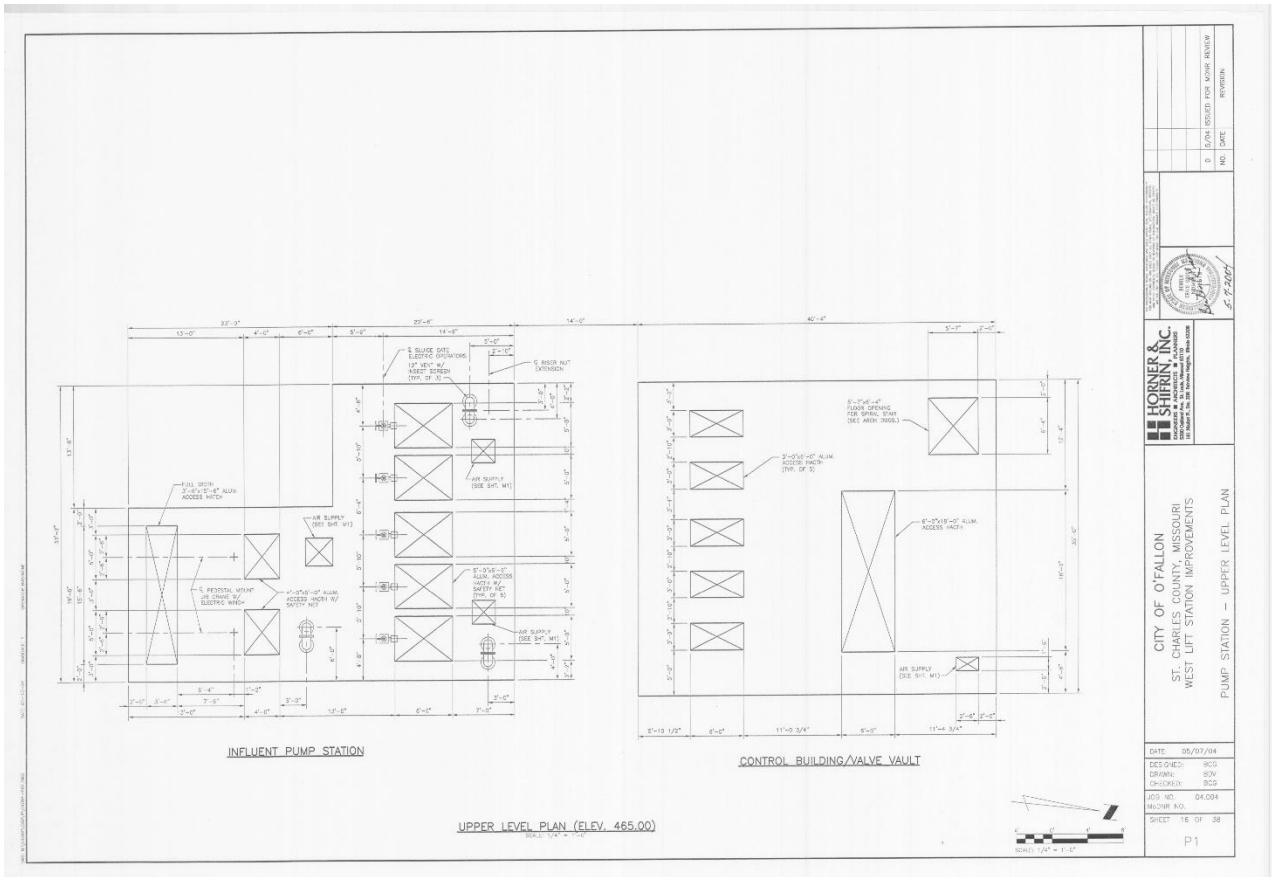
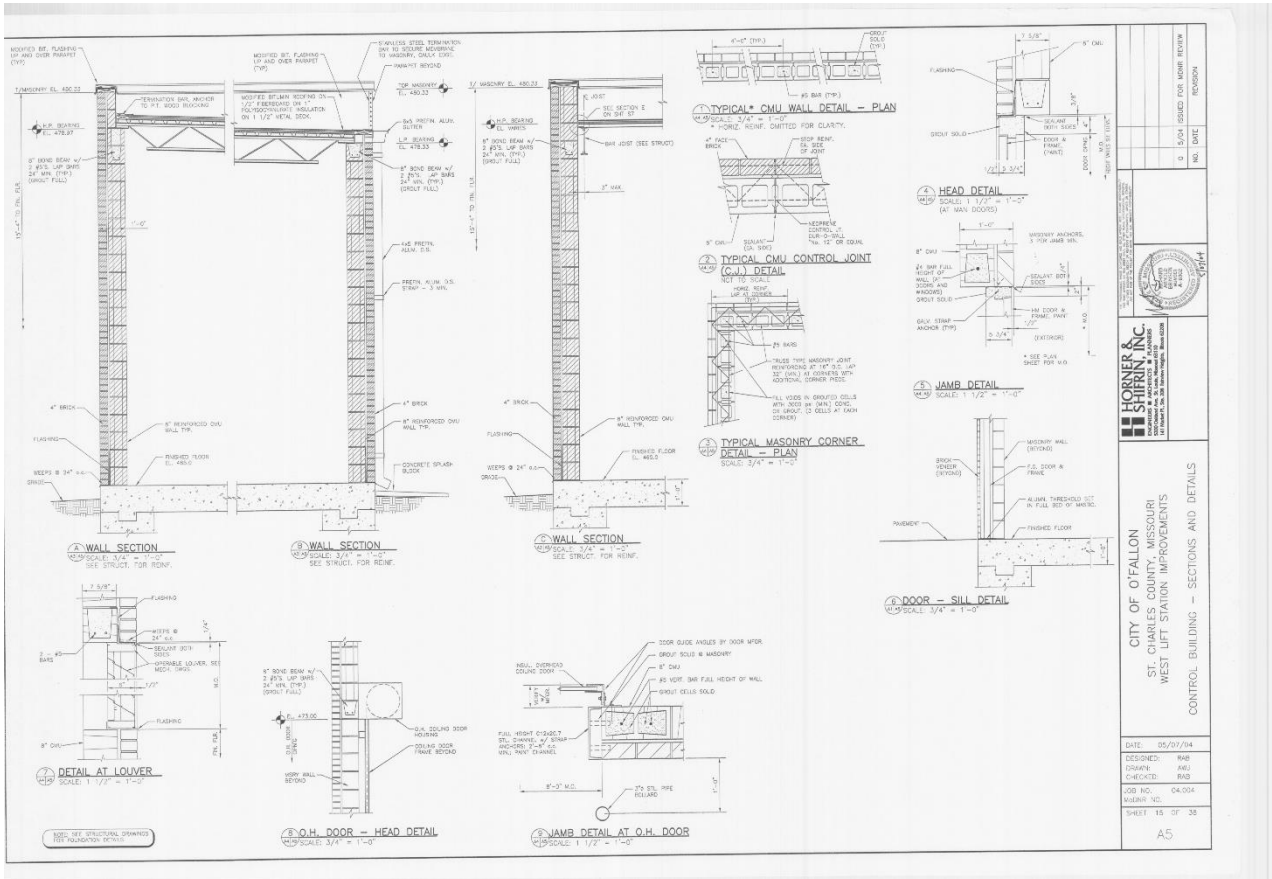
HORNER & SHIFRIN, INC.
ENGINEERS ■ ARCHITECTS ■ PLANNERS
5200 Oakland Ave. St. Louis, Missouri 63110



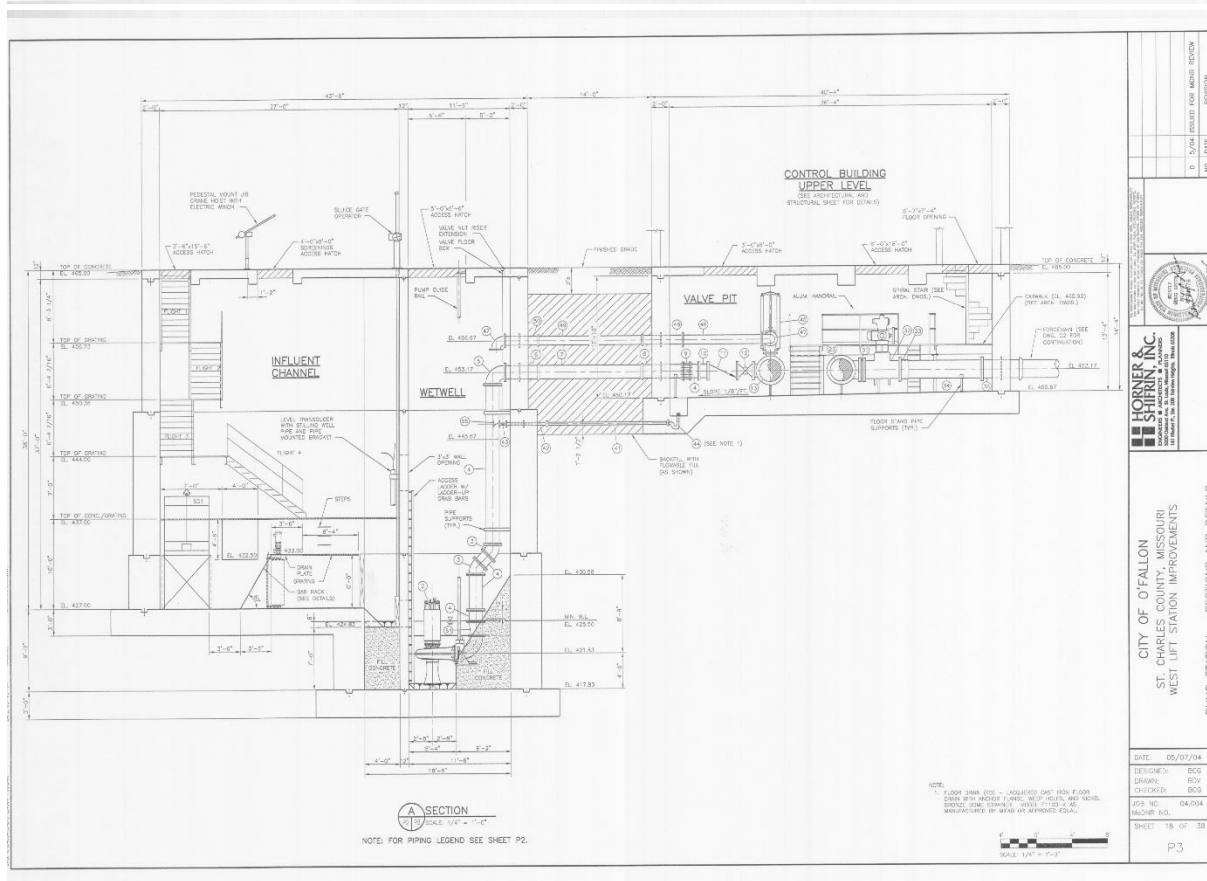
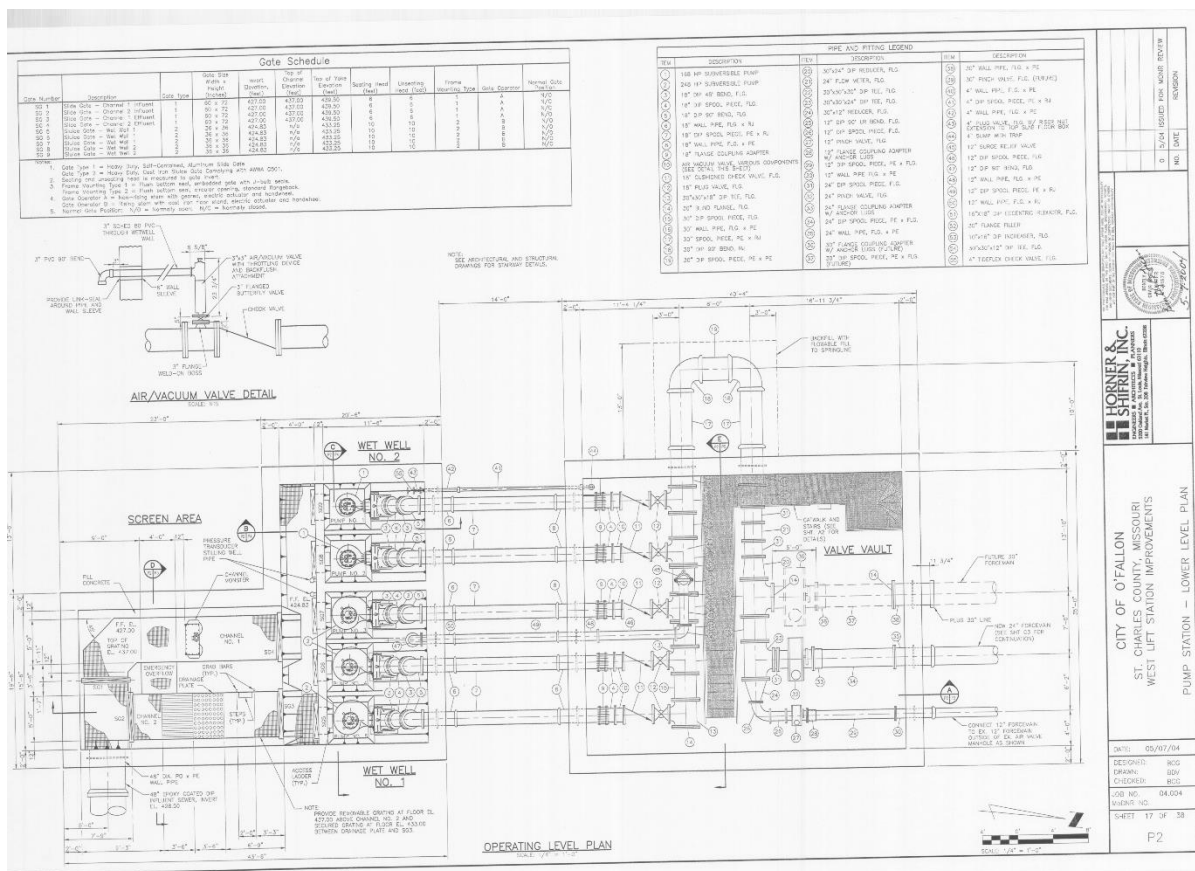
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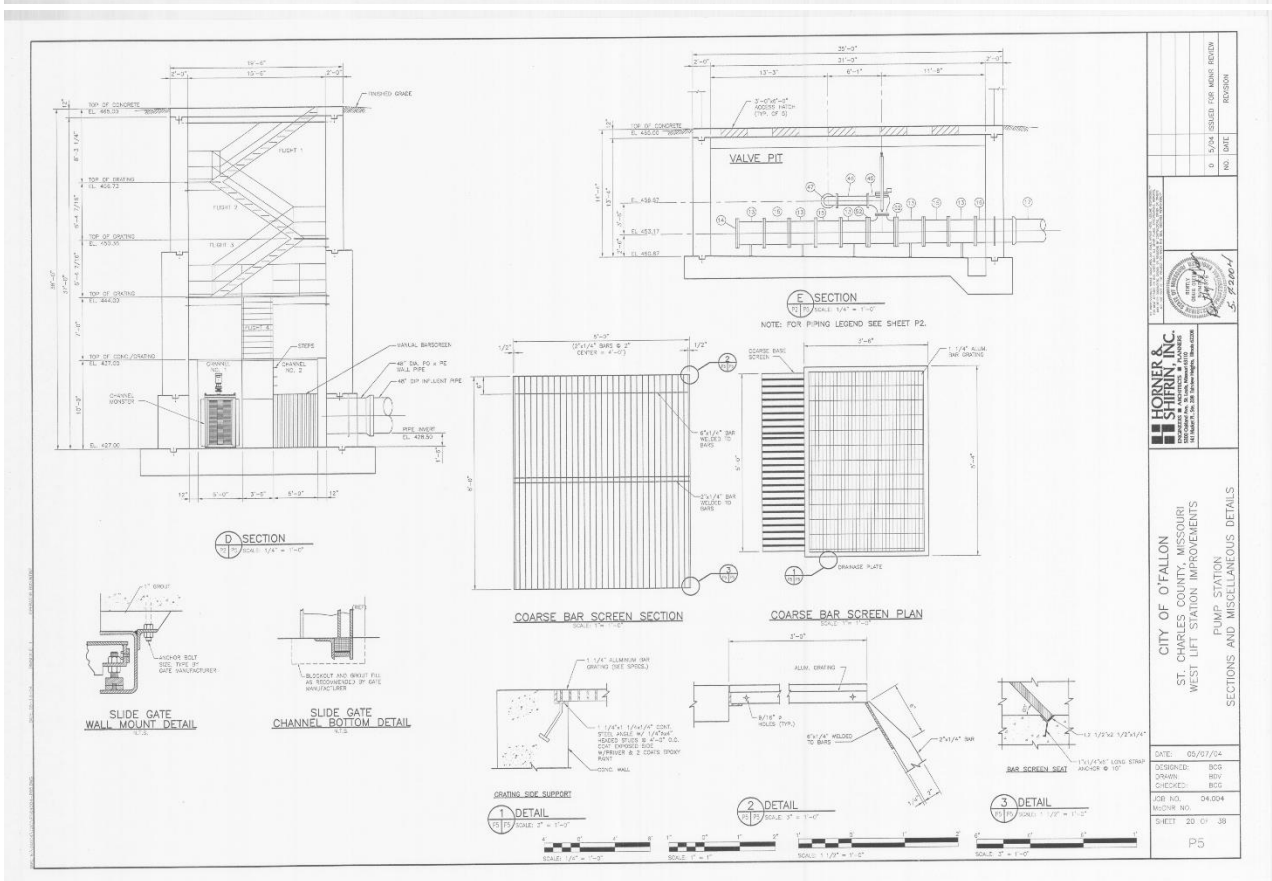
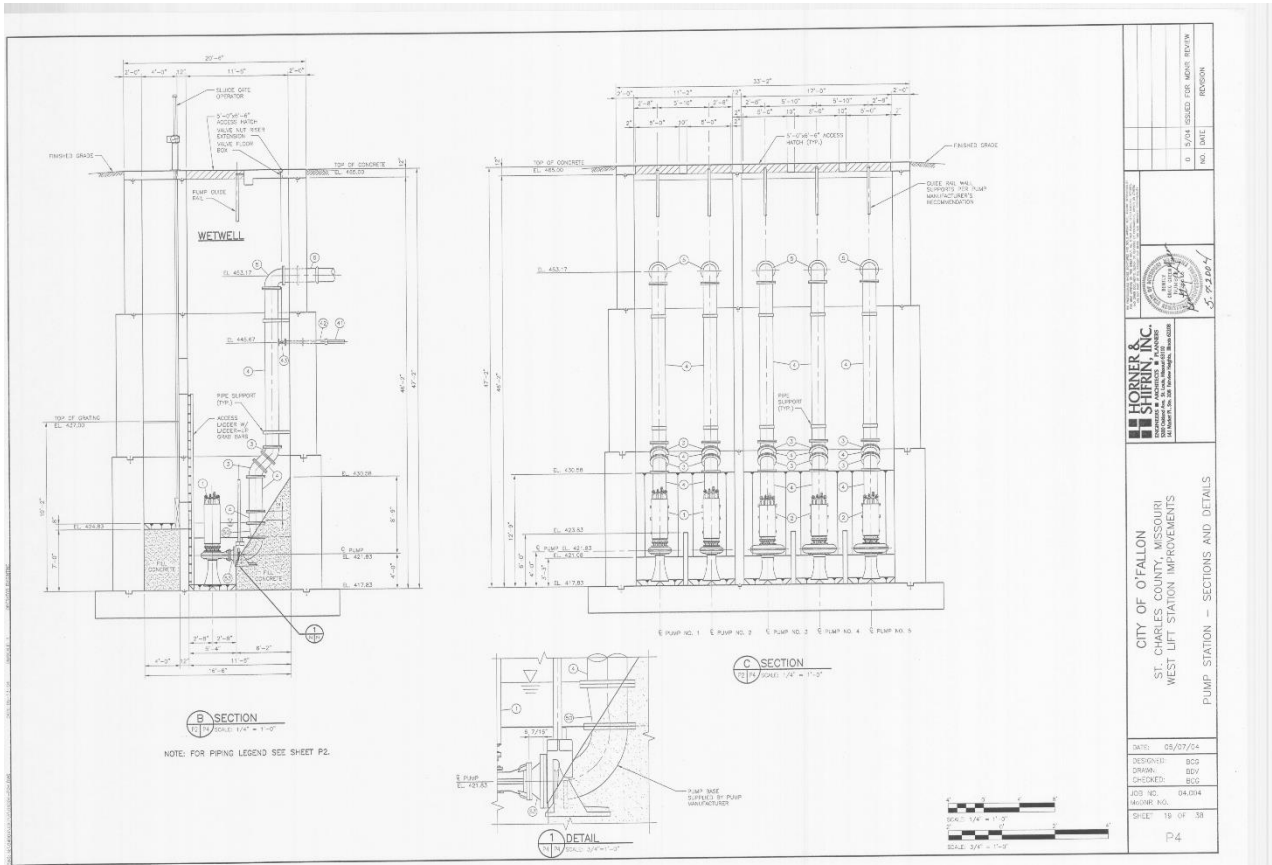
CITY OF O'FALLON, MISSOURI



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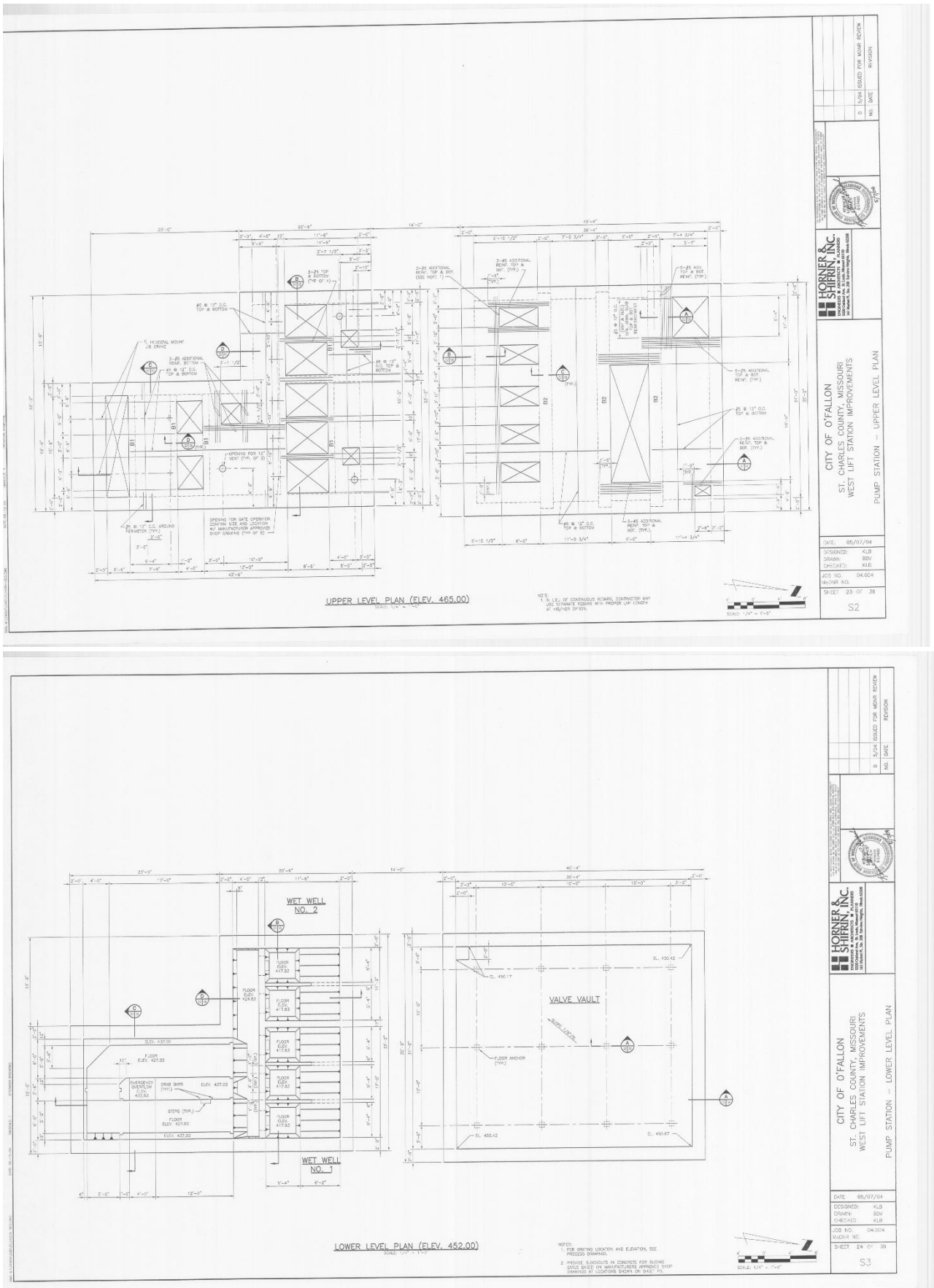
CITY OF O'FALLON, MISSOURI



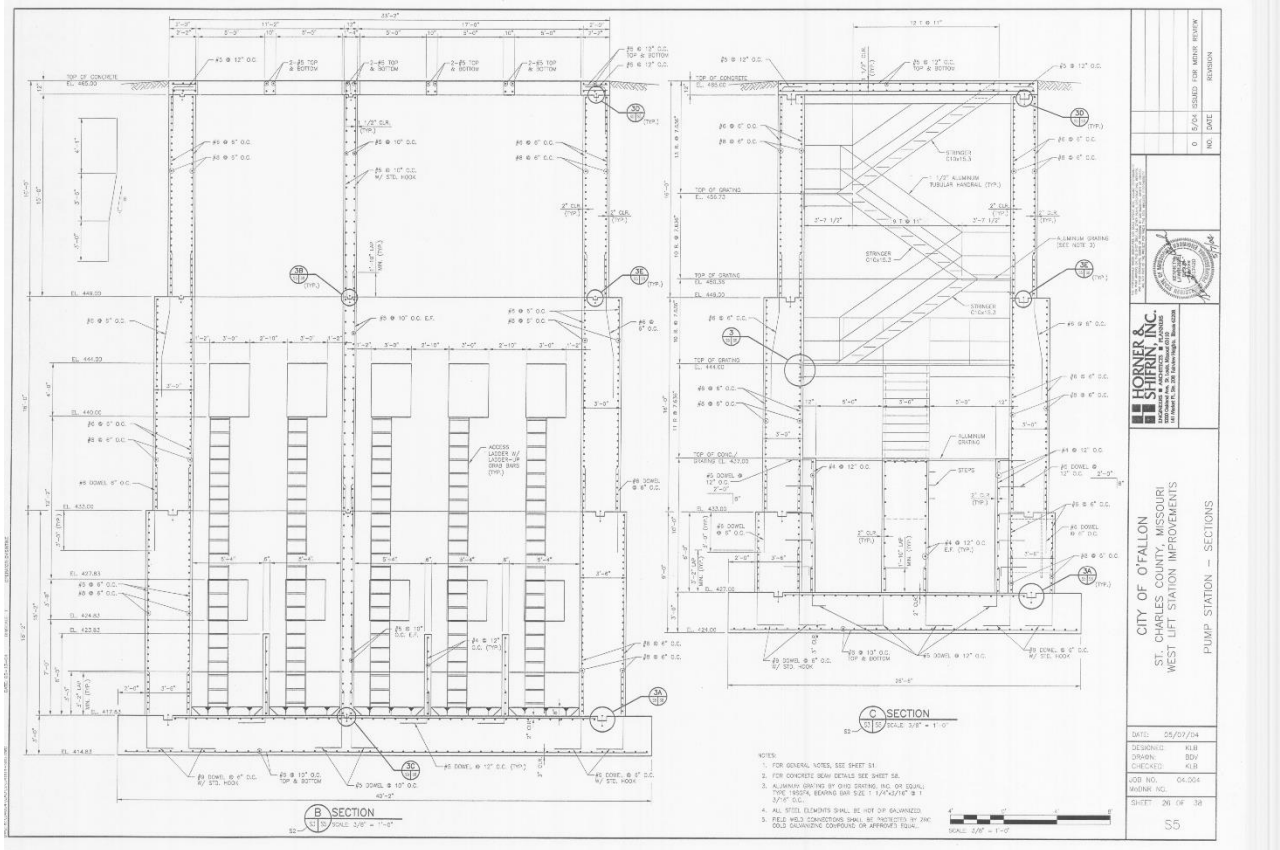
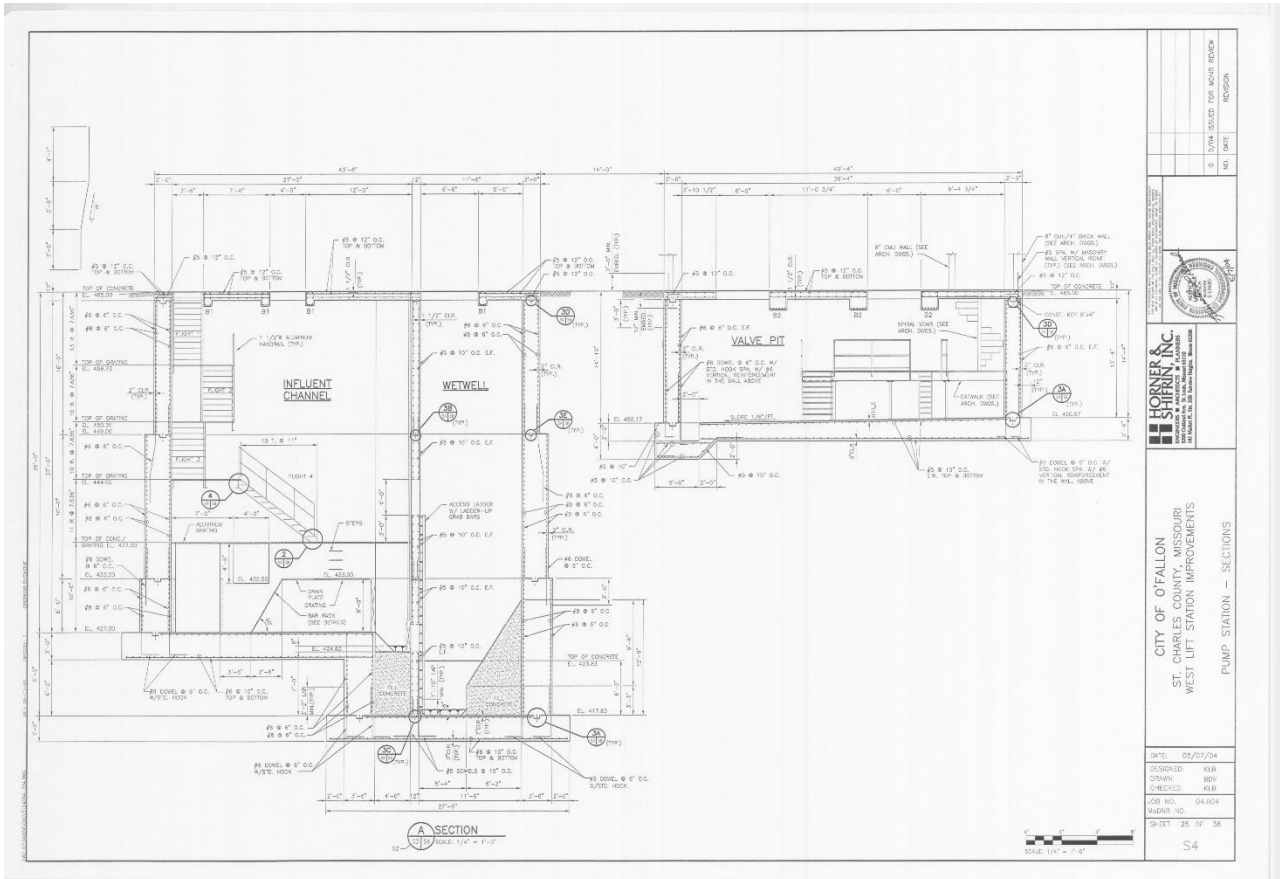
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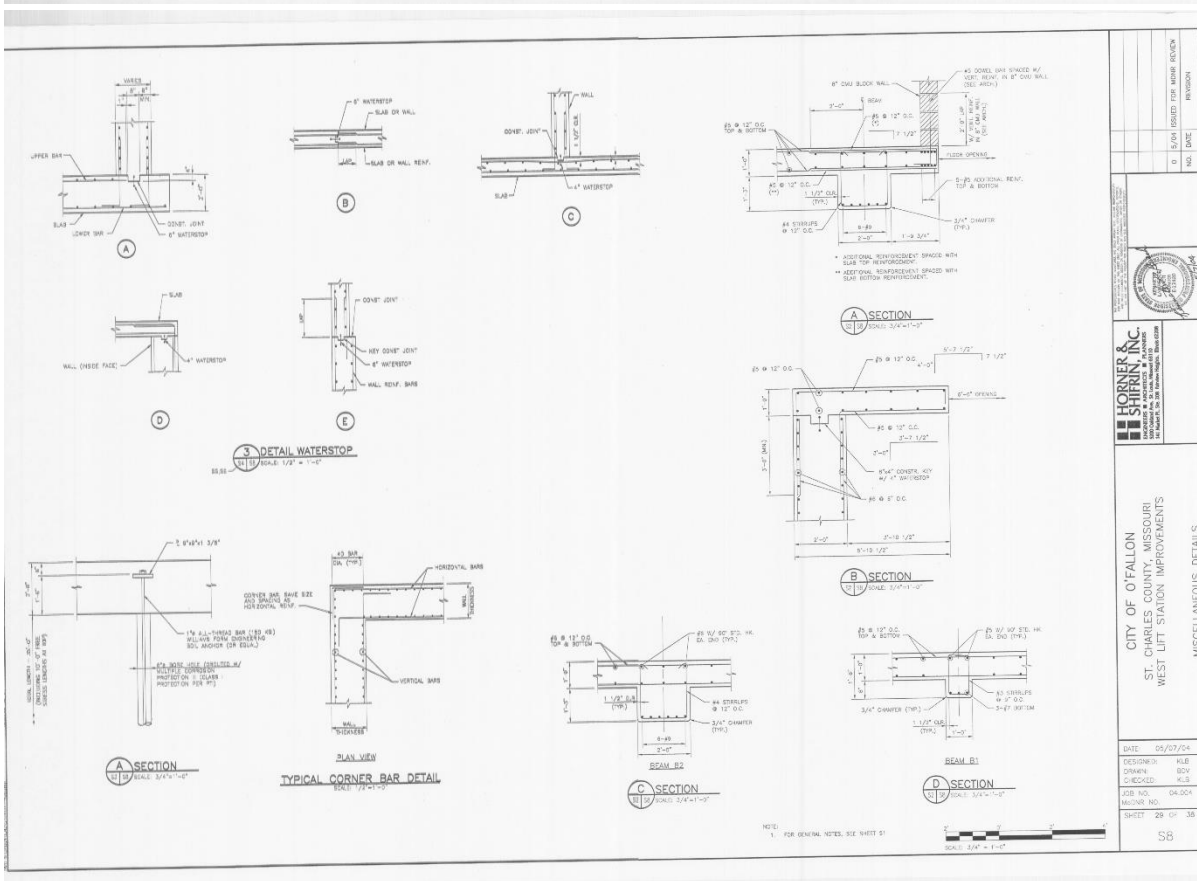
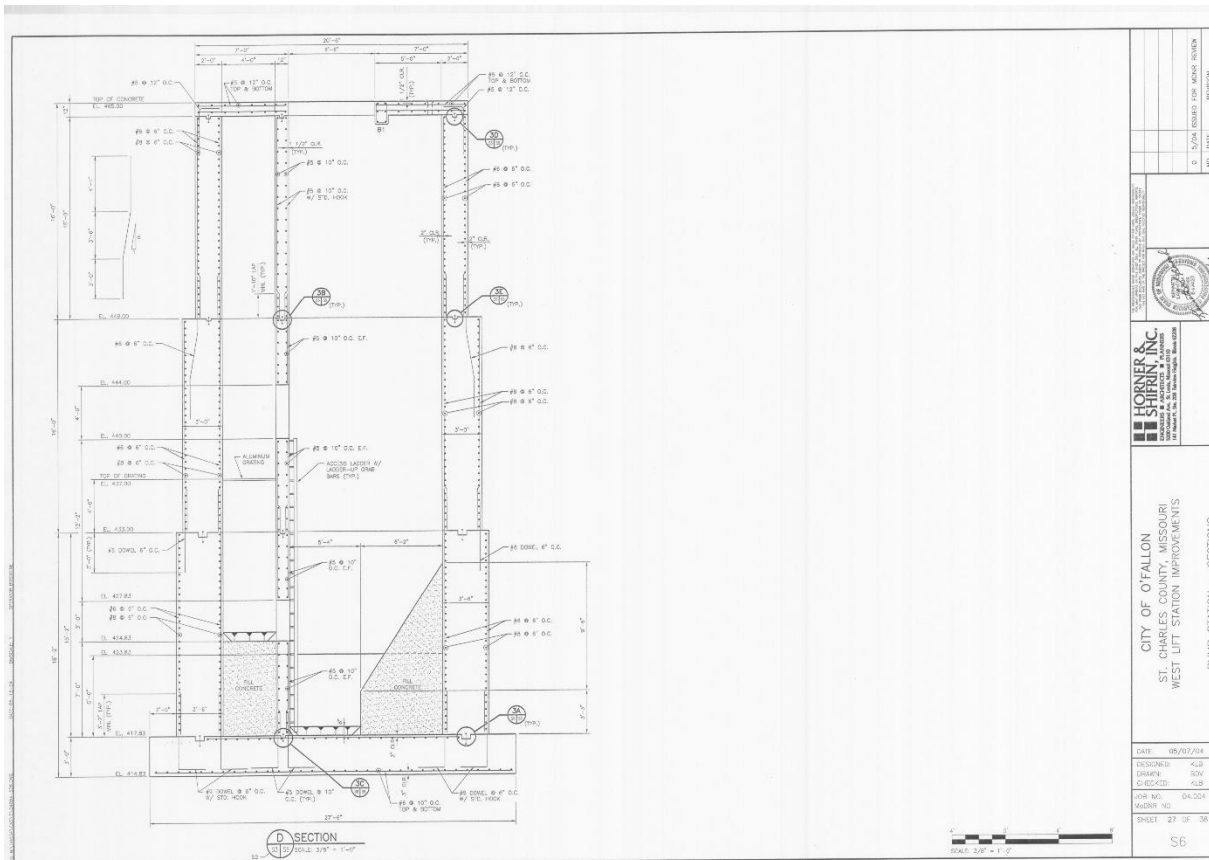
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Exception Sheet

If the item(s) and/or services proposed in the response to this bid is in any way different from that contained in this proposal or bid, the bidder is responsible to clearly identify all such differences in the space provided below. Otherwise, it will be assumed that the bidder's offer is in total compliance with all aspects of the proposal or bid.

Below are the exceptions or differences to the stated specifications (*attach additional sheets as needed*):

Item #	Brief Explanation

Date: _____

Print Name: _____

Signature: _____

Title: _____

Company: _____

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Signature of bidder indicates that bidder understands and will comply with all terms and conditions and all other specifications made a part of this invitation to bid and any subsequent award of contract. All terms, conditions and representations made in the invitation will become an integral part of the contract.

Acknowledge the receipt of addenda by checking below as appropriate:

Addendum 1 _____ **Addendum 2** _____ **Addendum 3** _____ **Addendum 4** _____

BID AWARD CRITERIA:

This bid will be awarded to the lowest responsive, responsible bidder meeting specifications based upon the total lump sum bid amount.

The Contractor agrees to provide the equipment, service and supplies described above and in the contract specifications under the conditions outlined in attached documents for the amount stated above.

X _____

(Signature and Title)

CORPORATE SEAL

(If available)

BID MUST BE SIGNED FOR CONSIDERATION

Subscribed and Sworn to before me this _____ day of _____ AD, 20____

(Notary Public) My Commission Expires: _____

LATE BIDS CANNOT BE ACCEPTED!



<u>SEALED BID</u>	
INVITATION #:	26-046
OPENING DATE:	09/24/2026
OPENING TIME:	2:00 P.M. CDT
DESCRIPTION:	SANITARY SEWER COMMINUTORS
DATED MATERIAL-DELIVER IMMEDIATELY	

PLEASE CUT OUT AND AFFIX THIS BID LABEL
(ABOVE) TO THE OUTERMOST ENVELOPE OF
YOUR BID TO HELP ENSURE PROPER
DELIVERY!

LATE BIDS CANNOT BE ACCEPTED!