

Invitation to Bid Number #82849

Pipeline Loop Trainer

Sealed bids and electronically submitted bids for the above will be received by the SOWELA Technical Community College Business Office, Charleston Building, room 138, 3820 Sen. J. Bennett Johnston Ave, Lake Charles, LA, 70615, or <u>bids@sowela.edu</u> until **9:45 AM CST**, **1/13/25**. Bids will be publicly opened and read aloud at <u>10:00 AM CST</u>, <u>1/13/25</u> in the Regional Training Center, Conference Room, 2nd floor, 3749 Sen. J. Bennett Johnston Ave, Lake Charles, LA, 70615.

A Pre-Bid Meeting will be held <u>at 10:00 AM CST, 12/18/24</u>. Meeting will begin in the Regional Training Center, Conference Room, 2nd floor, 3749 Sen. J. Bennett Johnston Ave, Lake Charles, LA 70615 and will be available virtually as well. Link for virtual meeting available upon request at <u>bids@sowela.edu</u>.

Any inquiries must be submitted in writing to <u>bids@sowela.edu</u> and received by the <u>end of day</u> <u>1/2/25.</u> Inquiries shall include "Bid #82849 : Pipeline Loop Trainer" in the email subject line.

Attached bid documents are as follows. Please review and respond accordingly, complying with all specifications described in the Instructions to Bidders.

- Instructions to Bidders
- Pipeline Loop Trainer Additional Bid Instructions
- RTC Foundation Elevation Drawing, Elevation Land Survey, and Boundary Survey
- SOWELA Pipeline Training Flow Loop Fabrication Drawings STCC-01-A Rev 5
- SOWELA Tower Foundation Drawings STCC-01-B Rev 4
- Louisiana Uniform Public Work Bid Form
- Bid Bond
- Attestations Affidavit
- Indemnification Agreement
- Title 38 Affidavit

Bid documents not attached but available per request to bids@sowela.edu:

- General Conditions of the Contract for Construction, AIA Document, A201 2017 ed.
- Supplementary Conditions for the Contract for Construction
- Project Specifications Geotechnical Report

INSTRUCTIONS TO BIDDERS

COMPLETION TIME:

The Bidder shall agree to fully complete the contract within (<u>150</u>) consecutive calendar days, subject to such extensions as may be granted under Paragraph 8.3, in the General Conditions, AIA Document A201, and the Supplementary Conditions, and acknowledges that this construction time will start on or before the date specified in the written "Notice to Proceed" from the Owner.

LIQUIDATED DAMAGES:

The Bidder shall agree to pay as Liquidated Damages the amount of (<u>Five Hundred</u>) Dollars (500.00) for each consecutive calendar day for which the work is not complete, beginning with the first day beyond the contract completion date stated on the "Notice to Proceed" or as amended by change order.

ARTICLE 1

DEFINITIONS

1.1 The Bid Documents include the following:

Advertisement for Bids Instructions to Bidders Bid Form Bid Bond General Conditions of the Contract for Construction, AIA Document A201, 2017 Edition (publicly available for download) Supplementary Conditions for the Contract for Construction (available upon request) User Agency Documents (if applicable) Other Documents (if applicable) Specifications & Drawings

1.2 All definitions set forth in the General Conditions of the Contract for Construction, AIA Document A201 and the Supplementary Conditions are applicable to the Bid Documents.

1.3 Addenda are written and/or graphic instruments issued by the Engineer prior to the opening of bids, which modify or interpret the Bid Documents by additions, deletions, clarifications, corrections, and prior approvals.

1.4 A bid is a complete and properly signed proposal to do the work or designated portion thereof for the sums stipulated therein supported by data called for by the Bid Documents. 1.5 Base bid is the sum stated in the bid for which the Bidder offers to perform the work described as the base, to which work may be added, or deleted for sums stated in alternate bids.

1.6 An alternate bid (or alternate) is an amount stated in the bid to be added to the amount of the base bid if the corresponding change in project scope or materials or methods of construction described in the Bid Documents is accepted.

1.7 A Bidder is one who submits a bid for a prime Contract with the Owner for the work described in the Bid Documents.

1.8 A Sub-bidder is one who submits a bid to a Bidder for materials and/or labor for a portion of the work.

1.9 Where the word "Engineer" is used in any of the documents, it shall refer to the Prime Designer of the project, regardless of discipline.

ARTICLE 2

PRE-BID CONFERENCE

2.1 A Pre-Bid Conference shall be held on **December 18, 2024, at 10:00AM CST**. The Engineer and Owner shall coordinate the setting of the date, time and place for the Pre-Bid Conference and notify all who have received sets of the Bid Documents to attend. The purpose of the Pre-Bid Conference is to familiarize Bidders with the requirements of the Project and the intent of the Bid Documents, and to receive comments and

information from interested Bidders. If the Pre-Bid Conference is stated in the Advertisement for Bids to be a Mandatory Pre-Bid Conference, bids shall be accepted only from those bidders who attend the Pre-Bid Conference. Contractors who are not in attendance for the **ENTIRE** Pre-Bid Conference will be considered to have not attended.

2.2 Any revision of the Bid Documents made as a result of the Pre-Bid Conference shall not be valid unless included in an addendum.

ARTICLE 3

BIDDER'S REPRESENTATION

3.1 Each Bidder by making his bid represents that:

3.1.1 He has read and understands the Bid Documents and his bid is made in accordance therewith.

3.1.2 He has visited the site and has familiarized himself with the local conditions under which the work is to be performed.

3.1.3 His bid is based solely upon the materials, systems and equipment described in the Bid Documents as advertised and as modified by addenda.

3.1.4 His bid is not based on any verbal instructions contrary to the Bid Documents and addenda.

3.1.5 He is familiar with Code of Governmental Ethics requirement that prohibits public servants and/or their immediate family members from bidding on or entering into contracts; he is aware that the Designer and its principal owners are considered Public Servants under the Code of Governmental Ethics for the limited purposes and scope of the Design Contract with the State on this Project (see Ethics Board Advisory Opinion, No. 2009-378 and 2010-128); and neither he nor any principal of the Bidder with a controlling interest therein has an immediate family relationship with the Designer or any principal within the Designer's firm (see La. R.S. 42:1113). Any Bidder submitting a bid in violation of this clause shall be disqualified and any contract entered into in violation of this clause shall be null and void.

December 2024

3.2 The Bidder must be fully qualified under any State or local licensing law for Contractors in effect at the time and at the location of the work before submitting his bid. In the State of Louisiana, Revised Statutes 37:2150, et seq. will be considered, if applicable.

The Contractor shall be responsible for determining that all of his Sub-bidders or prospective Subcontractors are duly licensed in accordance with law.

ARTICLE 4

BID DOCUMENTS

4.1 Copies

4.1.1 Complete Bid Documents for this project are available without charge and without deposit by request via email at <u>bids@sowela.edu</u>. The Bid Documents will be in electronic PDF form. The request will need to include the project name in the subject line "Bid #82849 - Pipeline Loop Trainer".

4.1.1.2 Printed copies are not available from the Designer, but arrangements can be made to obtain them through most reprographic firms

4.1.1.2.1 Plan holders are responsible for their own reproduction costs.

4.1.2 Complete sets of Bid Documents shall be used in preparing bids; neither the Owner nor the Engineer assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.

4.1.3 The Owner or Engineer in making copies of the Bid Documents available on the above terms, do so only for the purpose of obtaining bids on the work and do not confer a license or grant for any other use.

4.2 Interpretation or Correction of Bid Documents

4.2.1 Bidders shall promptly notify the Engineer and or Owner of any ambiguity, inconsistency or error which they may discover upon examination of the Bid Documents or of the site and local conditions. 4.2.2 Bidders requiring clarification or interpretation of the Bid Documents shall make a written request to the Owner, to reach him at least seven days prior to the date for receipt of bids.

4.2.3 Any interpretation, correction or change of the Bid Documents will be made by addendum. Interpretations, corrections or changes of the Bid Documents made in any other manner will not be binding and Bidders shall not rely upon such interpretations, corrections and changes.

4.3 Substitutions

4.3.1 The materials, products and equipment described in the Bid Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution. No substitutions shall be allowed after bids are received.

No substitution will be considered unless 4.3.2 written request for approval has been submitted by the Proposer and has been received by the Owner at least seven (7) working days prior to the opening of bids. (La. R.S. 38:2295(C)) Each such request shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitute including model numbers, drawings, cuts, performance and test data and any other information necessary for an evaluation. A statement setting forth any changes in other materials, equipment or work that incorporation of the substitute would require shall be included. It shall be the responsibility of the proposer to include in his proposal all changes required of the Bid Documents if the proposed product is used. Prior approval, if given, is contingent upon supplier being responsible for any costs which may be necessary to modify the Pipeline Trainer or facilities needed to accommodate the materials and equipment approved.

4.3.3 If the Engineer and Owner approves any proposed substitution, such approval shall be set forth in an addendum. Bidders shall not rely upon approvals made in any other manner.

4.4 Addenda

4.4.1 Addenda will be transmitted to all who are known by the Owner to have received a complete set of Bid Documents.

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4.4.2 Copies of addenda will be made available for inspection wherever Bid Documents are on file for that purpose.

4.4.3 Any written inquiries must be received by the <u>end of day January 2, 2025</u> and shall be clearly cross-referenced to the solicitation/specification in question and include "Bid #82849 - Pipeline Loop Trainer" in the subject line.

4.4.4 Except as described herein, addenda shall not be issued within a period of seventy-two (72) hours prior to the advertised time for the opening of bids, excluding Saturdays, Sundays, and any other legal holidays. If the necessity arises of issuing an addendum modifying plans and specifications within the seventy-two (72) hour period prior to the advertised time for the opening of bids, then the opening of bids shall be extended at least seven but no more than twenty-one (21) working days, without the requirement of re-advertising. The revised time and date for the opening of bids shall be stated in the addendum.

4.4.5 Each Bidder shall ascertain from the Owner prior to submitting his bid that he has received all addenda issued, and he shall acknowledge their receipt on the Bid Form.

4.4.6 The Owner shall have the right to extend the bid date by up to (30) thirty days without the requirement of re-advertising. Any such extension shall be made by addendum issued by the Owner.

ARTICLE 5

BID PROCEDURE

5.1 Form and Style of Bids

5.1.1 Bids shall be submitted on the Louisiana Uniform Public Work Bid Form provided by the Owner for this project.

5.1.2 The Bidder shall ensure that all applicable blanks on the bid form are completely and accurately filled in.

5.1.3 Bid sums shall be expressed in both words and figures, and in case of discrepancy between the two, the written words shall govern.

5.1.4 Any interlineation, alteration or erasure must be initialed by the signer of the bid or his authorized representative.

5.1.5 Bidders are cautioned to complete all alternates should such be required in the Bid Form. Failure to submit alternate prices will render the bid non responsive and shall cause its rejection.

5.1.6 Bidders are cautioned to complete all unit prices should such be required in the Bid Form. Unit prices represent a price proposal to do a specified quantity and quality of work. Unit prices are incorporated into the base bid or alternates, as indicated on the Unit Price Form, but are not the sole components thereof.

5.1.7 Bidder shall make no additional stipulations on the Bid Form nor qualify his bid in any other manner.

5.1.8 Written evidence of the authority of the person signing the bid for the public work shall be submitted in accordance with La. R.S. 38:2212 (B)(5).

5.1.9 On any bid in excess of fifty thousand dollars (\$50,000.00), the Contractor shall certify that he is licensed under La. R.S. 37: 2150-2173 and show his license number on the bid above his signature or his duly authorized representative.

5.2 Bid Security

5.2.1 No bid shall be considered or accepted unless the bid is accompanied by bid security in an amount of five percent (5.0%) of the base bid and all alternates.

The bid security shall be in the form of a certified check or cashier's check drawn on a bank insured by the Federal Deposit Insurance Corporation, or a Bid Bond written by a surety company licensed to do business in Louisiana and signed by the surety's agent or attorney-in-fact. The Bid Bond shall be written on the Owner's Bid Bond Form, and the surety for the bond must meet the qualifications stated thereon. The Bid Bond shall include the legal name of the bidder be in favor of SOWELA Technical Community College and shall be accompanied by appropriate power of attorney. The Bid Bond must be signed by both the bidder/principal and the surety in the space provided on the Bid Bond Form. Failure December 2024 by the bidder/principal or the surety to sign the bid bond shall result in the rejection of the bid.

Bid security furnished by the Contractor shall guarantee that the Contractor will, if awarded the work according to the terms of his proposal, enter into the Contract and furnish Performance and Payment Bonds as required by these Bid Documents, within fifteen (15) days after written notice that the instrument is ready for his signature.

Should the Bidder refuse to enter into such Contract or fail to furnish such bonds, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as penalty.

5.2.2 The Owner will have the right to retain the bid security of Bidders until either (a) the Contract has been executed and bonds have been furnished, or (b) the specified time has elapsed so that bids may be withdrawn, or (c) all bids have been rejected.

5.3 Submission of Bids

5.3.1 The Bid shall be sealed in an opaque envelope. The bid envelope shall be identified on the outside with the name of the project, and the name, address, and license number of the Bidder.

The envelope shall not contain multiple bid forms, and will be received until the time specified and at the place specified in the Advertisement for Bids. It shall be the specific responsibility of the Bidder to deliver his sealed bid to SOWELA Technical Community College Business Office at the appointed place and prior to the announced time for the opening of bids. Late delivery of a bid for any reason, including late delivery by United States Mail, or express delivery, shall disqualify the bid.

If the bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "Bid Enclosed" on the face thereof. Such bids shall be sent by Registered or Certified Mail, Return Receipt Requested, addressed to:

SOWELA Technical Community College Business Office Attention Susan Tucek, 3820 Senator J Bennett Johnston Ave. Lake Charles, Louisiana, 70615

Bids sent by express delivery shall be delivered to: SOWELA Technical Community College Business Office Attention Susan Tucek, 3820 Senator J Bennett Johnston Ave. Lake Charles, Louisiana, 70615 5.3.2 Bids shall be deposited at the designated location prior to the time on the date for receipt of bids indicated in the Advertisement for Bids, or any extension thereof made by addendum. Bids received after the time and date for receipt of bids will be returned unopened.

5.3.3 Bidder shall assume full responsibility for timely delivery at location designated for receipt of bids.

5.3.4 Oral, telephonic or telegraphic bids are invalid and shall not receive consideration. Owner shall not consider notations written on outside of bid envelope which have the effect of amending the bid. Written modifications enclosed in the bid envelope, and signed or initialed by the Contractor or his representative, shall be accepted.

5.4 Modification or Withdrawal of Bid

5.4.1 A bid may not be modified, withdrawn or canceled by the Bidder during the time stipulated in the Advertisement for Bids, for the period following the time and bid date designated for the receipt of bids, and Bidder so agrees in submitting his bid, except in accordance with R.S. 38:2214 which states, in part, "Bids containing patently obvious, unintentional, and substantial mechanical, clerical, or mathematical errors, or errors of unintentional omission of a substantial quantity of work, labor, material, or services made directly in the compilation of the bid, may be withdrawn by the contractor if clear and convincing sworn, written evidence of such errors is furnished to the public entity within fortyeight hours of the bid opening excluding Saturdays, Sundays, and legal holidays".

5.4.2 Prior to the time and date designated for receipt of bids, bids submitted early may be modified or withdrawn only by notice to the party receiving bids at the place and prior to the time designated for receipt of bids.

5.4.3 Withdrawn bids may be resubmitted up to the time designated for the receipt of bids provided that they are then fully in conformance with these Instructions to Bidders.

5.4.4 Bid Security shall be in an amount sufficient for the bid as modified or resubmitted.

By submitting a bid, the bidder certifies and agrees that the following information is correct:

In preparing its bid, the bidder has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israel-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The bidder has also not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. The state reserves the right to reject any bid if this certification is subsequently determined to be false and to terminate any contract awarded based on such a false response.

ARTICLE 6

CONSIDERATION OF BIDS

6.1 Opening of Bids

6.1.1 The properly identified Bids received on time will be opened publicly and will be read aloud, and a tabulation abstract of the amounts of the base bids and alternates, if any, will be made available to Bidders.

6.2 Rejection of Bids

6.2.1 The Owner shall have the right to reject any or all bids and in particular to reject a bid not accompanied by any required bid security or data required by the Bid Documents or a bid in any way incomplete or irregular.

6.3 Acceptance of Bid

6.3.1 It is the intent of the Owner, if he accepts any alternates, to accept them in the order in which they are listed in the Bid Form. Determination of the Low Bidder shall be on the basis of the sum of the base bid and the alternates accepted. However, the Owner shall reserve the right to accept alternates in any order

which does not affect determination of the Low Bidder.

ARTICLE 7

POST-BID INFORMATION

7.1 Submissions

7.1.1 At the Pre-Construction Conference, the Contractor shall submit the following information to the Engineer and Owner.

7.1.1.1 A designation of the work to be performed by the Contractor with his own forces.

7.1.1.2 A breakdown of the Contract cost attributable to each item listed in the Schedule of Values Form (attached). No payments will be made to the Contractor until this is received.

7.1.1.3 The proprietary names and the suppliers of principal items or systems of material and equipment proposed for the work.

7.1.1.4 A list of names and business domiciles of all Subcontractors, manufacturers, suppliers or other persons or organizations (including those who are to furnish materials or equipment fabricated to a special design) proposed for the principal portions of the work. It is the preference of the Owner that, to the greatest extent possible or practical, the Contractor utilize Louisiana Subcontractors, manufacturers, suppliers and labor.

7.1.2 The General Contractor shall be responsible for actions or inactions of Subcontractors and/or material suppliers.

The General Contractor is totally responsible for any lost time or extra expense incurred due to a Subcontractor's or Material Supplier's failure to perform. Failure to perform includes, but is not limited to, a Subcontractor's financial failure, abandonment of the project, failure to make prompt delivery, or failure to do work up to standard. Under no circumstances shall the Owner mitigate the General Contractor's losses or reimburse the General Contractor for losses caused by these events.

7.1.3 The lowest responsive and responsible bidder shall submit to the Engineer and the Owner within ten days after the bid opening a letter/letters from the manufacturer stating that the manufacturer December 2024 will issue the guarantee complying with the requirements of Owner based on the specified system and include the name of the applicator acceptable to the manufacturer at the highest level of certification for installing the specified system. This manufacturer shall be one that has received prior approval or is named in the specifications.

In accordance with La. R.S. 38:2227 [references La R.S. 38:2212(A)(3)(c)(ii), which has since been renumbered as La R.S. 38:2212(B)(3)], La. R.S. 38:2212.10 and La. R.S. 23:1726(B) the apparent low bidder on this project shall submit the completed Attestations Affidavit (Past Criminal Convictions of Bidders, Verification of Employees and Certification Regarding Unpaid Workers Compensation Insurance) form found within this bid package to SOWELA Technical Community College within 10 days after the opening of bids.

ARTICLE 8

PERFORMANCE AND PAYMENT BOND

8.1 Bond Required

8.1.1 The Contractor shall furnish and pay for a Performance and Payment Bond written by a company licensed to do business in Louisiana, which shall be signed by the surety's agent or attorney-in-fact, in an amount equal to 100% of the Contract amount. Surety must be listed currently on the U. S. Department of Treasury Financial Management Service List (Treasury List) as approved for an amount equal to or greater than the contract amount, or must be an insurance company domiciled in Louisiana or owned by Louisiana residents. If surety is qualified other than by listing on the Treasury list, the contract amount may not exceed fifteen percent of policyholders' surplus as shown by surety's most recent financial statements filed with the Louisiana Department of Insurance and may not exceed the amount of \$500,000. However, a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A. M. Best's Key Rating Guide shall not be subject to the \$500,000 limitation, provided that the contract amount does not exceed ten percent of policyholders' surplus as shown in the latest A. M. Best's Key Rating Guide nor fifteen percent of policyholders' surplus as shown by surety's most recent financial statements filed with the Louisiana Department of Insurance. The Bond shall be signed by the surety's agent or attorney-in-fact. The Bond shall be in favor of SOWELA Technical Community College.

8.2 Time of Delivery and Form of Bond

8.2.1 The Bidder shall deliver the required bond to the Owner simultaneous with the execution of the Contract.

8.2.2 Bond shall be in the form furnished by Owner, entitled CONTRACT BETWEEN OWNER AND CONTRACTOR AND PERFORMANCE AND PAYMENT BOND, a copy of which is included in the Bid Documents.

8.2.3 The Bidder shall require the Attorney-in-Fact who executes the required bond on behalf of the surety to affix thereto a certified and current copy of his power of Attorney.

ARTICLE 9

FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR

9.1 Form to be Used

9.1.1 Form of the Contract to be used shall be furnished by SOWELA Technical Community College.

9.2 Award

9.2.1 After award of the Contract, the successful Bidder, if a corporation, shall furnish to the Owner the most current copy of a Disclosure of Ownership Affidavit on file with the Secretary of State.

9.2.2 In accordance with Louisiana Law, when the Contract is awarded, the successful Bidder shall, at the time of the signing of the Contract, execute the Non-Collusion Affidavit included in the Contract Documents

9.2.3 When this project is financed either partially or entirely with State Bonds, the award of this Contract is contingent upon the sale of bonds by the State Bond Commission. The State shall incur no obligation to the Contractor until the Contract Between Owner and Contractor is duly executed.

82849 - Pipeline Loop Trainer Additional Bid Instructions

BASE BIDDING REQUIREMENTS:

Pipeline Loop Trainer Construction

- Contractor agrees to provide a pipeline training site adhering to industry standards presented in the fabrication drawings, foundation drawings, and site layout.
- Contractor is allowed 45 rain days.
- THIS BID IS NOT SUBJECT TO THE BUY AMERICA ACT.

SEE ATTACHED:

1. SOWELA Pipeline Training Flow Loop Fabrication Drawings STCC-01-A Rev 5 (27 page report)

A. All dimensions and material of construction identified for each section are found in this manufacturing document.

B. SOWELA, "Owner", will supply the Pipe Supports on page 12 only. The Contractor will need to sandblast prep and coat per the specifications. The Contractor will provide and install the Pipe Supports on page 13. The contractor will paint all piping and tank per the color selections from SOWELA.

C. Training flow loop tower foundation dimensions supporting the launcher, receiver are found on pages 3 - 7 and 14 - 24.

2. SOWELA Tower Foundation Drawings STCC-01-B Rev 4 (7 page report)

- A. Site specific location of the Pipeline Training Equipment work area.
- B. Top of concrete elevation to be 10'.
- C. Provide 7-day concrete break reports.
- D. Connecting sidewalk from the RTC drive to the Training Unit location.
- E. Provide pipe supports as needed per drawings.
- F. Must adhere to Entergy, AT&T, and City Water Department right of ways at the site location.

AVAILABLE UPON REQUEST:

1. KEC Coating Specification-Geotechnical Report

- A. Specification for surface preparation, preferred coating materials of equipment fabricated.
- B. The compaction test and construction fill are noted in the report.

VALVES, PUMPS, MOTORS, TANK AND ELECTRICAL WORK:

The contractor shall furnish all appropriate sized valves, motor starters, start-stop switches, pumps, electrical wiring for each piece of motor-driven equipment unless shown otherwise, and any other items needed to properly operated the system.

The Contractor shall install all valves, motor starters, start-stop switches, pumps, electrical wiring as bid. The Contractor shall also provide and install all power wiring required for the installation of such mechanical equipment.

All electrical equipment shall have the U.L. Label and shall meet the standards of the National Electrical Code and NEMA.

EQUIPMENT NOTES:

1. ELECTRIC WATER PUMP: 200 PSI, 700 GPM, TEFC 150 HP MOTOR, 460 VOLT, 3 PHASE, 60 Hz (460/3/60)

2. 3,000 GAL WATER TANK vertical water storage tank in dark green. FDA approved for fresh potable drinking water storage. (16" vented lid, 2" inlet/overflow fitting, 2" female threaded outlet fitting, molded-in gallon calibrations, rotomolded using FDA approved polyethylene plastic resin, Dark green, 1.1 specific gravity 9 lbs. per gallon water weight tank.

Key Specs Diameter 90", Gallon Capacity 3060, Inlet 2", Lid Size 16", Outlet 2", Specific Gravity 1.1 (Max 9.18 lbs/gal), Orientation Vertical Dimensions Length 90", Width 90", Height 125", Weight 440lbs, General Material Polyethylene, Manufacturer Enduraplas, Manufacturer Part Number TLV03000DG, Color TBD, Warranty 10 years, Country of Manufacture US

3. ELECTRIC AIR PUMP W/ DRYER: MIN 325 CFM, TEFC 100 HP MOTOR, 460 VOLT, 3 PHASE, 60 Hz, (460/3/60) W/ MIN 50 GAL AIR TANK

SCOPE OF WORK NOT INCLUDED IN THE DRAWINGS:

Contractor shall install 80 feet of conduit and power from the Entergy aerial transformer to the power panel location at the trainer. The electrical service meter is to be located at the pump location. Must adhere to Entergy, AT&T, and City Water Department right of ways at the site location.

Entergy to supply transformer specs if needed. Calculate total load and submit to Entergy for transformer recommendation if needed.

SOWELA to install water meter at equipment slab location.

All foundation work to be performed by bid contractor

Civil Work "dirt work" to be performed by bid contractor "reference Geotechnical Report for fill and compaction requirements".

Bid Contractor is required to install and connect equipment to the system, Air Dryer, Air Compressor, Water Pumps, Water Tank Note: Materials used to connect all equipment is not included in the drawings.

Water supply must have manual fill up water treatment system "can be recommended in a submittal".

Concrete work for sidewalk from RTC to the pipeline platform location is included in the bid. "Include the culvert needed onsite".

Included paint scope for supports, pipe, and valves attached to the bid request.

SOWELA provides pipe paint color selection and platform paint color selection to bid contractor as needed.

Bid contractor shall perform 10% Non-destructive testing required.

Bid contractor must provide weekly reports, punch list for substantial completion. Reports to be submitted to the Executive Director of Facilities Planning and Management and the Project Engineer.

Bid contractor to bid install 6' vinyl coated chain link fence, pedestrian gate, and double gate for equipment access around the training unit. The total linear footage of fencing around the training unit is 360'.

Awarded contractor will provide Operating Manuals and Final Redline Drawings for equipment, buildout, "All field changes", and "All submittals".

Bid Alternate 1:

Spare conduit for future control panel option.

Must provide operating manuals and final redline drawings for equipment and buildout.

Bid Alternate 2:

SITE FINISH GRADE:

A <u>6" lift limestone</u> foundation will be provided by the contractor consisting of 90'x50' centered with the pipeline training equipment design layout.

Bid Alternate 3:

Provide additional perimeter LED lighting on three pipe racks to provide perimeter lighting for the 90'x50' yard.

Bid Alternate 4:

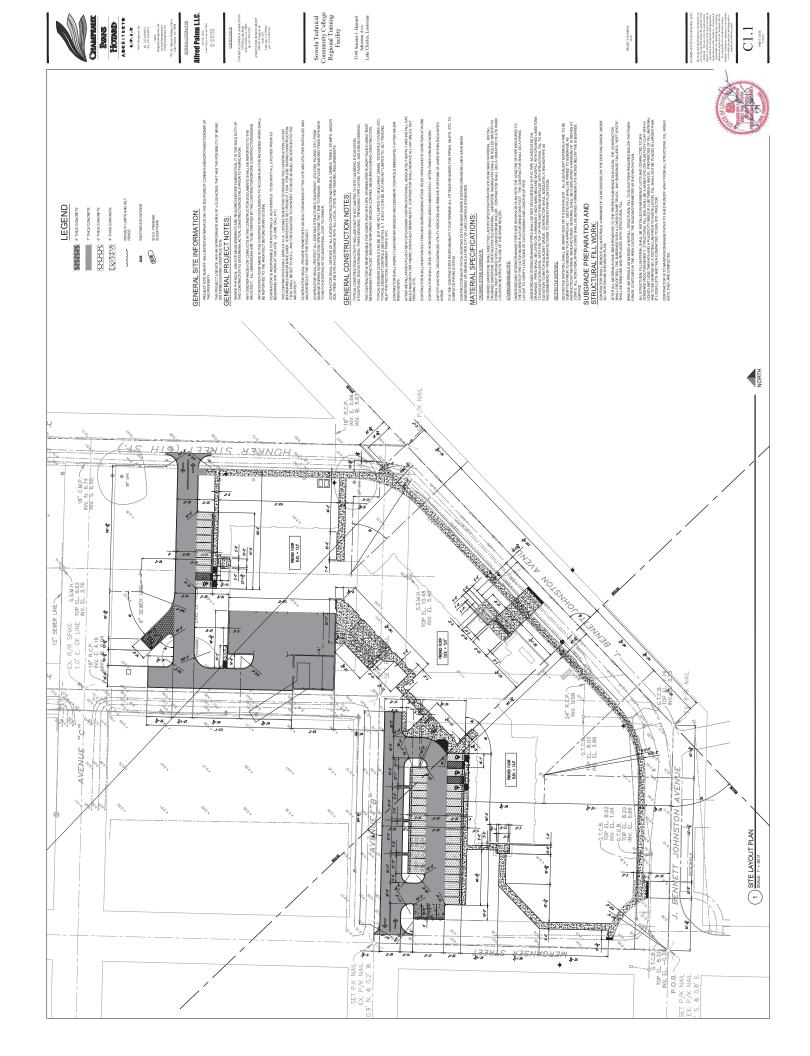
Provide vertical platform and vertical piping launcher and install – See project drawings.

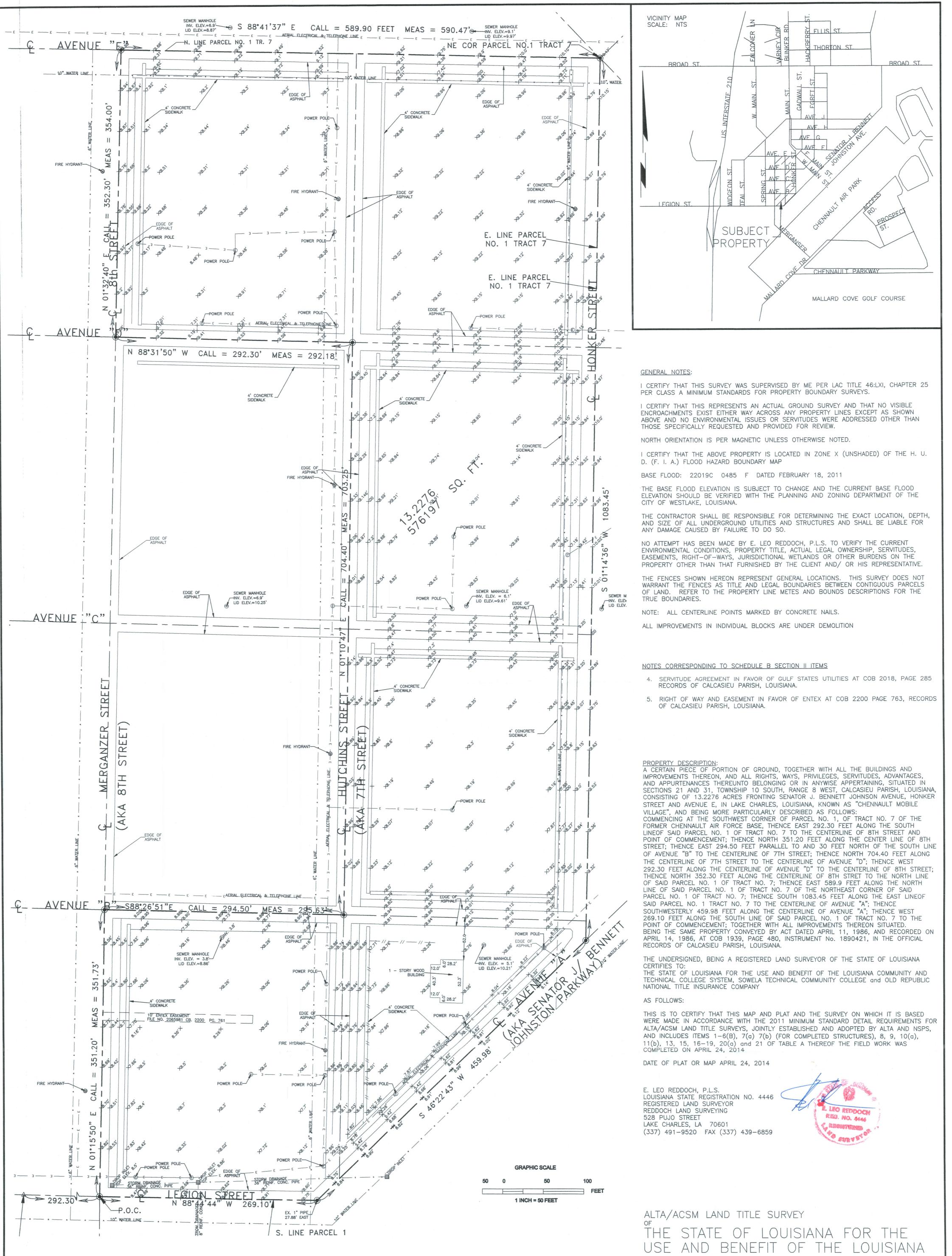
Bid Alternate 5:

Provide pre-engineered 15'x15' metal awning over the pump and compressor foundation. Columns to be epoxy anchored to the slab.

Bid Alternate 6:

Provide jib and install – See project drawings.

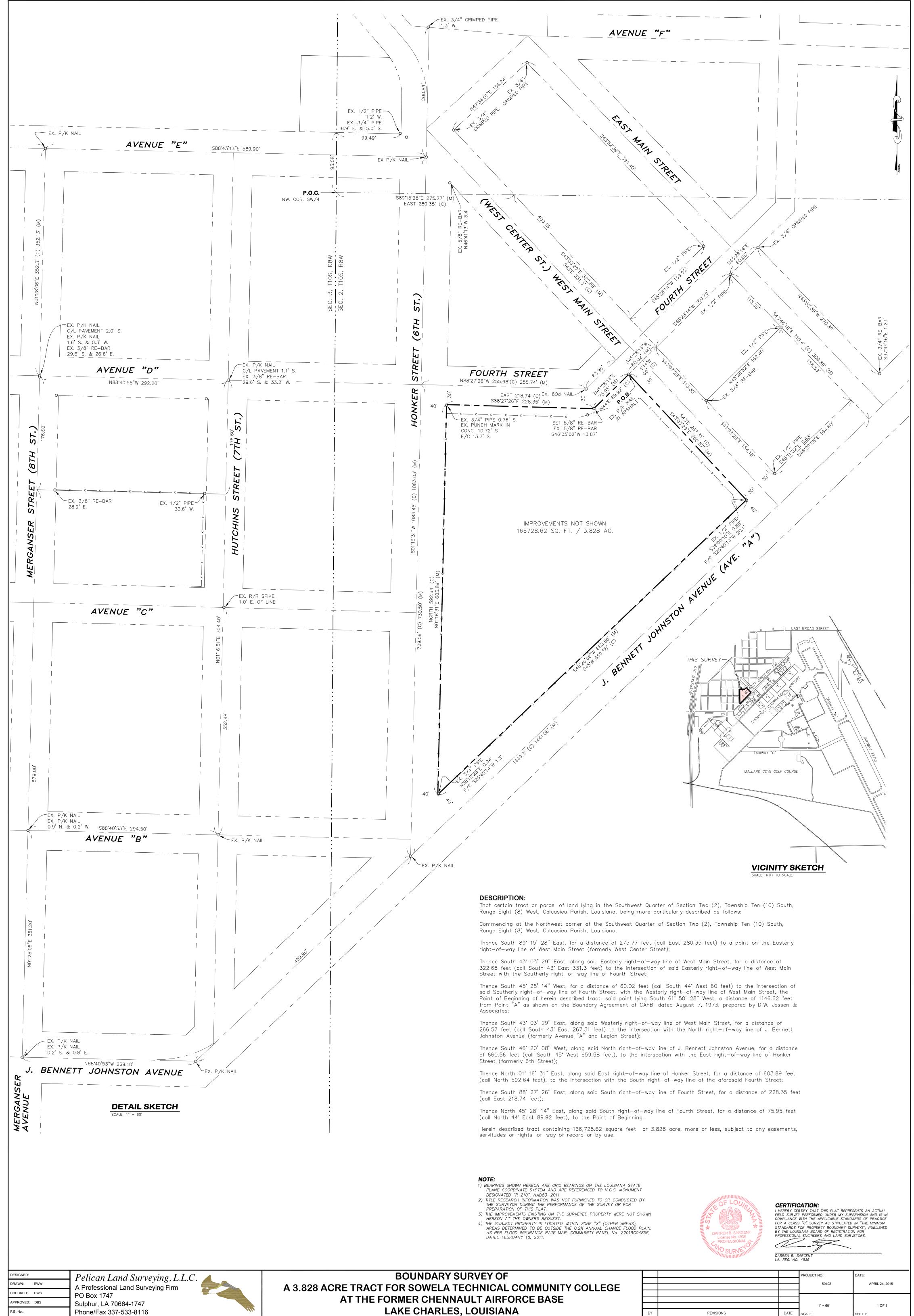




HNICAL COLLEGE AND INICAL А OLD LEGE and NATIONAL TITLE INSURANCE JBL COMPANY

LOCATED IN SECTION 21 AND 31, TOWNSHIP 10 SOUTH, RANGE 8 WEST, CALCASIEU PARISH, LOUISIANA.

LOCATION:		
DATE: JUNE 24, 2013	TOTAL AREA: 12.003 AC.	522839 SQ. FT.
SCALE: 1" = 50'	DRAWN BY: JNR	CHECKED BY: EL



C:\Projects\150402 - SOWELA BOUNDARY SURVEY\dwg\150402 - SOWELA BOUNDARY SURVEY.dwg Jun 17, 2015 - 12:01pm

			PROJECT NO .:	DATE:	
			150402	APRIL 24, 2015	
			130402	AF INE 24, 2013	
			1" = 60'	1 OF 1	
BY	REVISIONS	DATE	SCALE:	SHEET:	

					BILL OF MATERIALS	
\frown			ITE	M QTY	DESCRIPTION	SHEET DETAIL
(15)	(9)		1		LAUNCHER ASSEMBLY	SEE SHEET 3
	7	\bigcirc	2	-	RECEIVER ASSEMBLY	SEE SHEET 5
	/	(10)	3		2" VERTICAL ELBOW SPOOL ASSEMBLY	SEE SHEET 7
(7)	1		4		4" VERTICAL ELBOW SPOOL ASSEMBLY	SEE SHEET 7
			5		6" VERTICAL ELBOW SPOOL ASSEMBLY	SEE SHEET 7
			6		LAUNCHER UNDERGROUND PIPE SPOOL	SEE SHEET 8
			7	_	LAUNCHER CONNECTING SPOOL	SEE SHEET 9
			8		RECEIVER CONNECTING SPOOL	SEE SHEET 9
			9		PIPE LOOP ASSEMBLY	SEE SHEET 10
			10		PIPE LOOP SUPPORT	SEE SHEET 12
			11		PIPE SUPPORT	SEE SHEET 13
			12		PIPE SUPPORT SHORT	SEE SHEET 13
			13		TOWER ASSEMBLY (OPTIONAL)	SEE SHEET 14
			14		FOUNDATION	SEE DWG STCC-01-B
	(17)-		15	-	6" PIPE CLAMP ASSEMBLY	SEE SHEET 25
	\bigcirc		16	-	10" PIPE CLAMP ASSEMBLY	SEE SHEET 26
			17	-	ANOMALY PIPE RACK ASSEMBLY	SEE SHEET 27
					OWER ASSEMBLY (ITEM 13) AND VERTICAL D SEPARATELY AS AN OPTION	LAUNCHER/RECEIVER
			5177		Selfind Teel AS AN OF HON	
)					
	, ,					
		/IEW (BOTH VERTICAL AND HORIZONTAL				
		VN FOR ILLUSTRATION PURPOSES)				
		· · · · · · · · · · · · · · · · · · ·	(16)			
		\sim	\bigcirc			
		(14)				
S						
~						
DETAIL VIEW (VERTICAL LAUNCHER/RECEIVER POSITION)			· · · ·	NI FSS OTHERVOR	F STATED	
				NLESS OTHERWIS		-
				ACTIONS =	X±.030	
DATE REV DESCRIPTION	BY		1.0	± 1/16"	XX±.015 XX±.005	
6/17/2022 0 RELEASE FOR BID	HB		AN	GLES ± 3° ,XO		INITY COLLEGE
7/20/2022 1 ISSUE FOR CONSTRUCTION	HB					
9/19/2022 2 CORRECTED IMAGE OVERLAPPING ON SHEET 14	HB	COPYRII SPECIFICA	RIGHT NOTICE - ALL DRAWINGS, CATIONS AND OTHER DOCUMENTS	DIMENSIONS ARE INTERPRET DIM. ASME Y14.5M REMOVE ALL BU SHARP CORI 4. INSIDE CORNER JUTSIDE CORNER 5. MACHINE FI	PIPELINE TRAINING F	
3/28/2023 3 ADDED FINISH ELEVATION NOTE	HB	DETAIL VIEW (HORIZONTAL LAUNCHER/RECEIVER POSITION)	ED HEREIN ARE THE PROPERTY OF CUSTOMER, ITS AFFILIATES OR IAPIES AND ALL PIGHTS THERETO	REMOVE ALL BU SHARP CORI		
8/29/2024 4 SHORTENED FLOW LOOP	HB	SPECIFICA	IARIES, AND ALL RIGHTS THERETO RESERVED. SUCH DRAWINGS, CATIONS AND OTHER DOCUMENTS	 INSIDE CORNER UTSIDE CORNER 5. MACHINE FI 	FABRICATION DRA	WINGS
REDUCED FLANGES TO CL 300. INCREASED PUMP PRESSURE, SHORTENED		MAY NOT TRANSMIT	ITTED, DISPLAYED, PUBLISHED, OR MATE	TOTAL	E BOM DRAWN BY HB DATE 11/5/2024 CHECKED BY DCK	APPROVED BY DCK SIZE B
11/5/2024 5 ANOMALY PIPE, ADDED ANOMALY PIPE RACK, ADDED 2 VENT VALVES	HB	BROADCAS	AST WITHOUT THE PRIOR WRITTEN	TREATMENT	BOM HB 11/5/2024 DCK V/A SCALE DWG NO. STCC-01-A REV. 5	SHEET 1 OF 27
, , , , , , , , , , , , , , , , , , , ,					NA DINS SILC-01-A	JILLI 1 01 2/

GENERAL NOTES:

- 1. ALL PIPING IS DESIGNED PER ASME B31.3-2016.
- 2. ALL STRUCTURAL STEEL IS DESIGNED PER AISC STEEL CONSTRUCTION MANUAL
- 3. ALL WELDING AND PIPE CONSTRUCTION SHALL CONFORM TO AWS D1.1 WELDING SPECIFICATION AND SHALL BE FULL PENETRATION WELDS UNLESS NOTED OTHERWISE. SEE 'BRANCH CONNECTION WELDS' TABLE FOR MIN WELD LEG HEIGHTS OF BRANCH CONNECTIONS
- 4. ALL COATING SHALL CONFORM TO KEC PAINT SPECIFICATION LATEST EDITION
- 5. DESIGN PRESSURE = 600 PSI; HYDROSTATIC TEST PRESSURE = 900 PSI
- 6. ALL CONCRETE FOUNDATION SURFACES ARE ASSUMED TO BE AT ELEVATION 0'-0". ALL SUPPORTING STRUCTURES AND PLATFORM WERE DESIGNED ACCORDINGLY
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HARD PIPING FROM PUMPING EQUIPMENT AND WATER TANK TO FLOW LOOP
- 8. ALL PIPE TO SUPPORT CONTACT SHALL USE DYNAGARD OR FRP WEAR PADS INSTALLED TO MANUFACTURER'S RECOMMENDATION. CONTRACTOR MAY USE COATED U-BOLT/I-ROD SYSTEM AS A REPLACEMENT TO THE WELD ON BRACKETS SHOWN IN FABRICATION DRAWINGS
- 9. ONLY ONE LAUNCHER AND RECEIVER SHALL BE USED FOR BOTH HORIZONTAL AND VERTICAL (OPTIONAL) POSITIONS
- 10. THE TOWER ASSEMBLY (ITEM 13) AND VERTICAL LAUNCHER/RECEIVER SHALL BE BID SEPARATELY AS AN OPTION
- 11. ALTERNATIVE PIPE GRADE FOR Ø6 SCH 40 = ASTM A106 GRADE B OR ASTM A53 GRADE B

12. CONTRACTOR HAS THE LIBERTY TO LOCATE Ø6 CL 300 FLANGES AS NEEDED TO MINIMIZE COST, FIELD WELDING, AND TRANSPORTATION ISSUES WITH THE FOLLOWING EXCEPTIONS

-FLANGES ALREADY SHOWN ON THE DRAWINGS

-UNDERGROUND PIPE

FOUNDATION NOTES:

- 1. ALL CONCRETE IS DESIGNED PER ACI 318-11
- 2. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI
- 3. ALL CONCRETE REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 DEFORMED TYPE Fy = 60,000 PSI
- 4. UNLESS NOTED OTHERWISE, CONCRETE COVER OF REINFORCING BARS SHALL CONFORM TO MINIMUM REQUIREMENTS OF ACI 318-11
- 5. PROVIDE ³/₄ X 45 DEG CHAMFER ON ALL EXPOSED CORNERS
- 6. FOUNDATIONS HAVE BEEN DESIGNED TO REST ON COMPACTED SOIL PER GEOTECHNICAL REPORT WITH A MINIMUM ALLOWABLE NET VERTICAL BEARING CAPACITY OF 1,500 PSI. IF UNDERSIREABLE SOIL CONDITIONS ARE ENCOUNTERED, THE ENGINEERS WILL BE NOTIFIED.
- 7. SET FINISH ELEVATION TO 10' AND SLOPE TO DRAIN
- 8. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC IF USED
- 9. INSTALLATION OF CONCRETE ANCHORS SHALL BE ONE OF THE FOLLOWING OPTIONS AND BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS:

-DRILL AND EPOXY HILTI HIT-HY 200 V3 + HAS-V-36 (ASTM F1554 GRADE 36) Ø³/₄" x 8" OR EQUIVALENT

-CAST IN PLACE HEX HEAD ASTM F 1554 GRADE 36 Ø3/4" OR EQUIVALENT

ANCHOR BOLT SCHEDULE								
LOCATION	ANCHOR DIA	MIN EMB DEPTH						
PIPE SUPPORT	3/4"	6"						
BASE PLATE OVER FOOTING	3/4"	6"						
BASE PLATE OVER 6" SLAB	3/4"	3"						

EQUIPMENT NOTES:

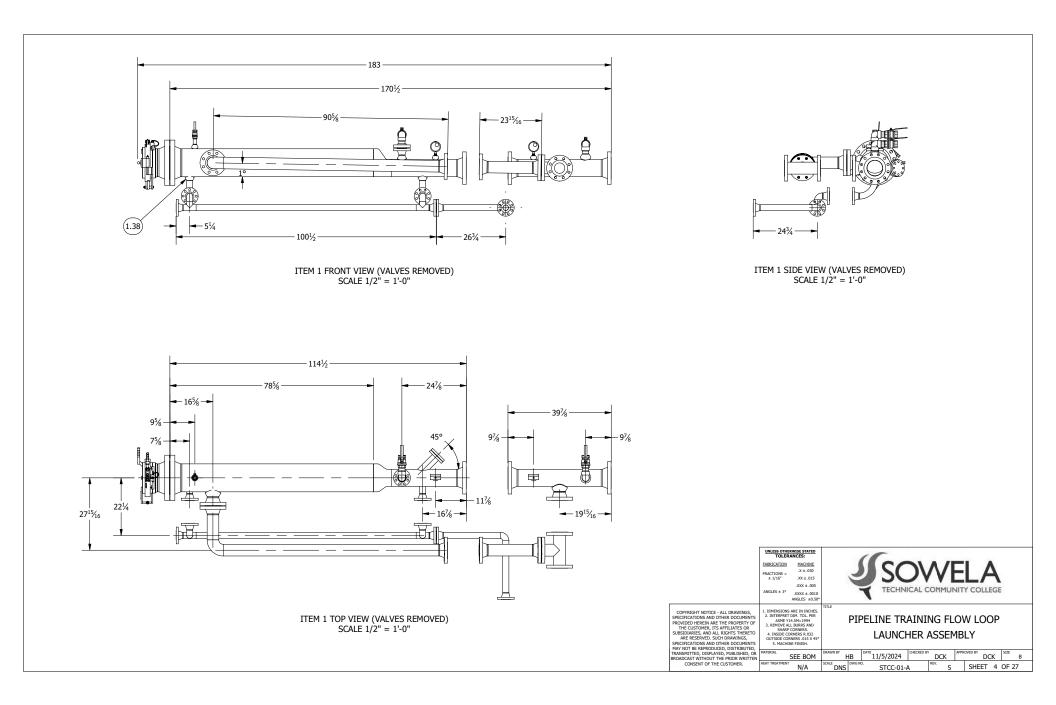
- 1. ELECTRIC WATER PUMP: 600 PSI, 700 GPM, TEFC 150 HP MOTOR, 460 VOLT, 3 PHASE, 60 Hz (460/3/60)
- 2. 3,000 GAL WATER TANK
- ELECTRIC AIR COMPRESSOR W/ DRYER: 190 PSI, MIN 325 CFM, TEFC 100 HP MOTOR, 460 VOLT, 3 PHASE, 60 Hz, (460/3/60) W/ MIN 50 GAL AIR TANK
- 4. JIB CRANE: 1/2 TON PEDESTAL JIB CRANE, 10' SPAN, 10' HUB. 1/2 TON CHAINFALL AND MANUAL TROLLEY
- 5. FOR HYDROSTATIC PRESSURE TESTING, UTILIZE A CENTRIFUGAL PUMP THAT IS CAPABLE OF 700 GPM AT 500 PSI. ONCE PIPELINE IS FILLED, SWITCH TO A SMALL POSITIVE DISPLACEMENT PUMP OR PNEUMATIC DRIVEN LIQUID PUMP TO GET TO THE DESIRED TEST PRESSURE OF 600 PSI.

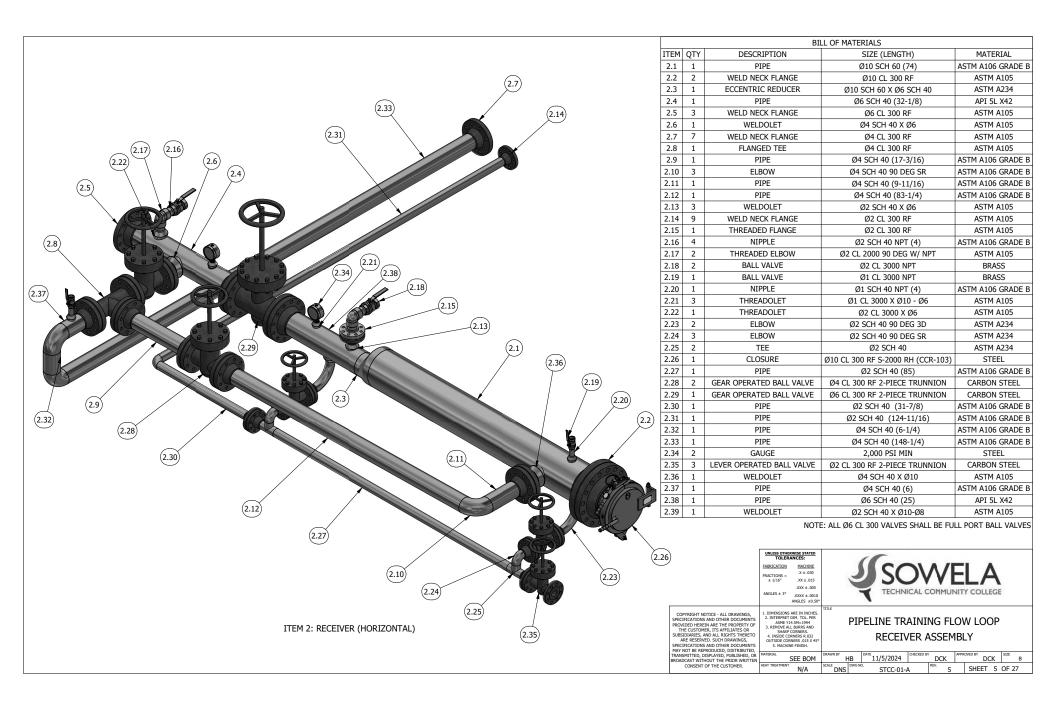
	FABRICATION FRACTIONS = ± 1/16" ANGLES ± 3°	ANCES: <u>MACHINE</u> .X ± .030 .XX ± .015 .XXX ± .005 .XXXX ± .0010 ANGLES ±0.50°		5	SC			1ITY		E	
COPYRIGHT NOTICE - ALL DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PROVIDED HEREIN ARE THE PROPERTY OF THE CUSTOMER, ITS AFILITATES OR SUBSIDIARIES, AND ALL RIGHTS THERETO ARE RESERVED. SUCH DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS MAY NOT BE REPRODUCED. DISTRIBUTED	2. INTERPRET ASME Y: 3. REMOVE AL SHARP 4. INSIDE CO OUTSIDE COP	ARE IN INCHES. DIM. TOL. PER 14.5M=1994 LL BURRS AND CORNERS. DRNERS R.032 RNERS .015 X 45° NE FINISH.	TITLE	PIF	PELINE TRA CONSTR					,	
TRANSMITTED, DISPLAYED, PUBLISHED, OR BROADCAST WITHOUT THE PRIOR WRITTEN CONSENT OF THE CLISTOMER.	MATERIAL HEAT TREATMENT	SEE BOM	SCALE	B	11/5/2024	CHECKED B	DCK	APPRO	DCK	SIZE	В
consent of the costonele		N/A	DNS		STCC-01-A	A	5		SHEET 2	OF 2	27

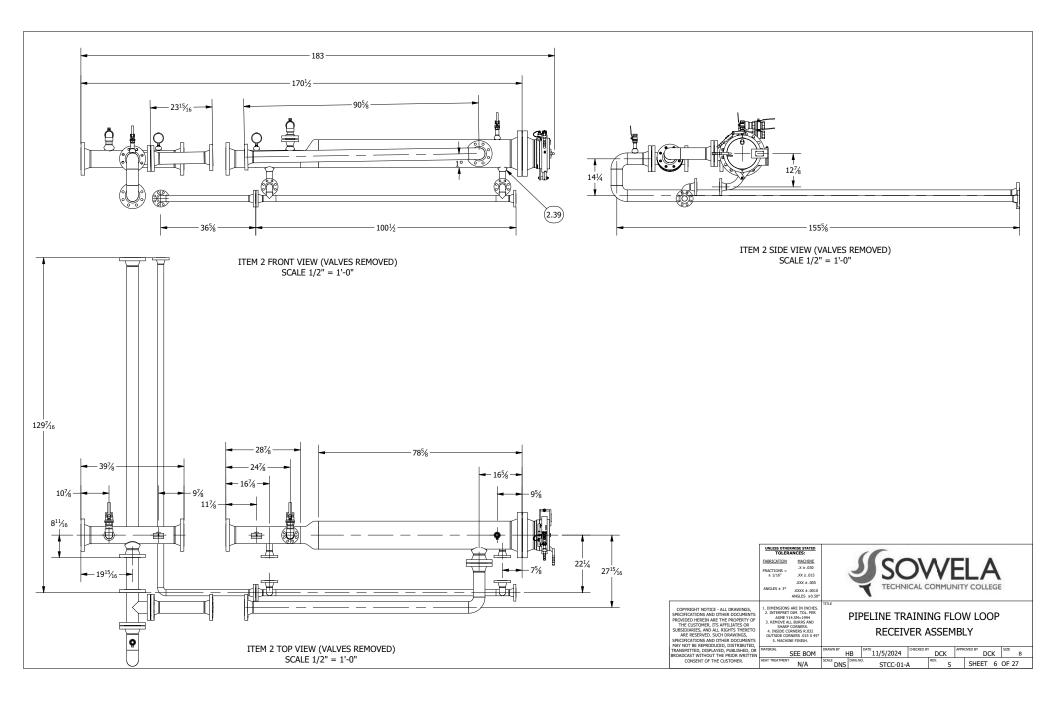
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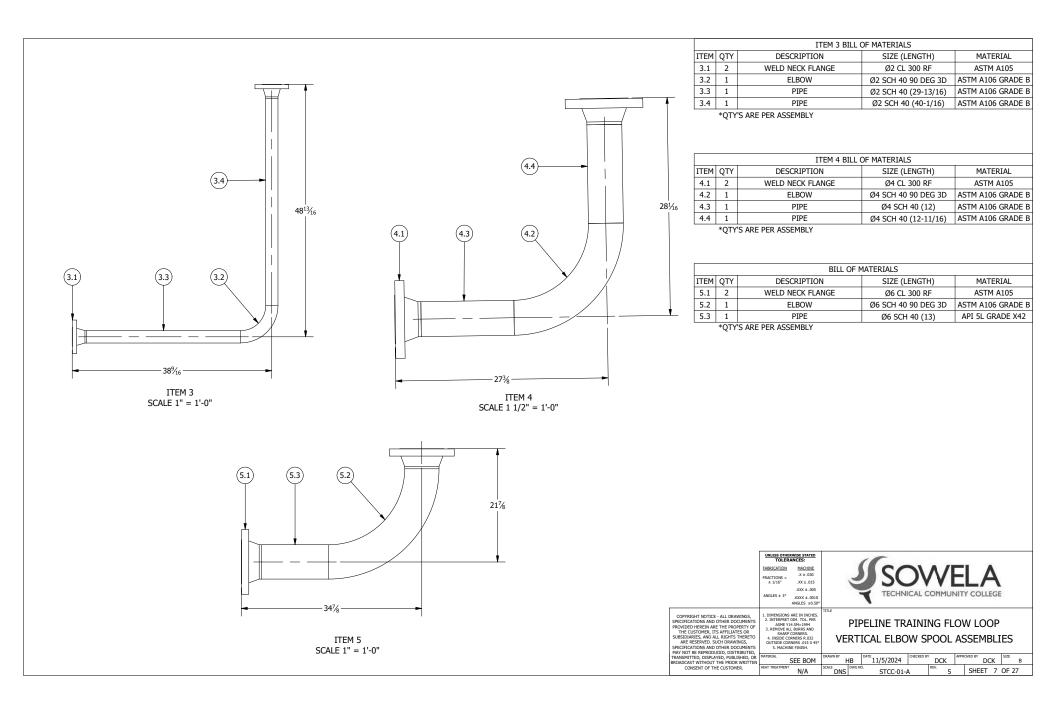
BRANCH CONNECTION WELDS						
CONNECTION SIZE	MIN WELD LEG HEIGHT					
Ø6 x Ø1 WELDOLET	3/8"					
Ø6 x Ø2 WELDOLET	1/2"					
Ø6 x Ø4 WELDOLET	3/4"					
Ø10 x Ø1 WELDOLET	3/8"					
Ø10 x Ø2 WELDOLET	3/8"					
Ø10 x Ø4 WELDOLET	5/8"					
Ø6 x Ø2 LWN @ 45°	1/2"					
Ø6 x Ø2 LATROLET @ 45°	1/4"					

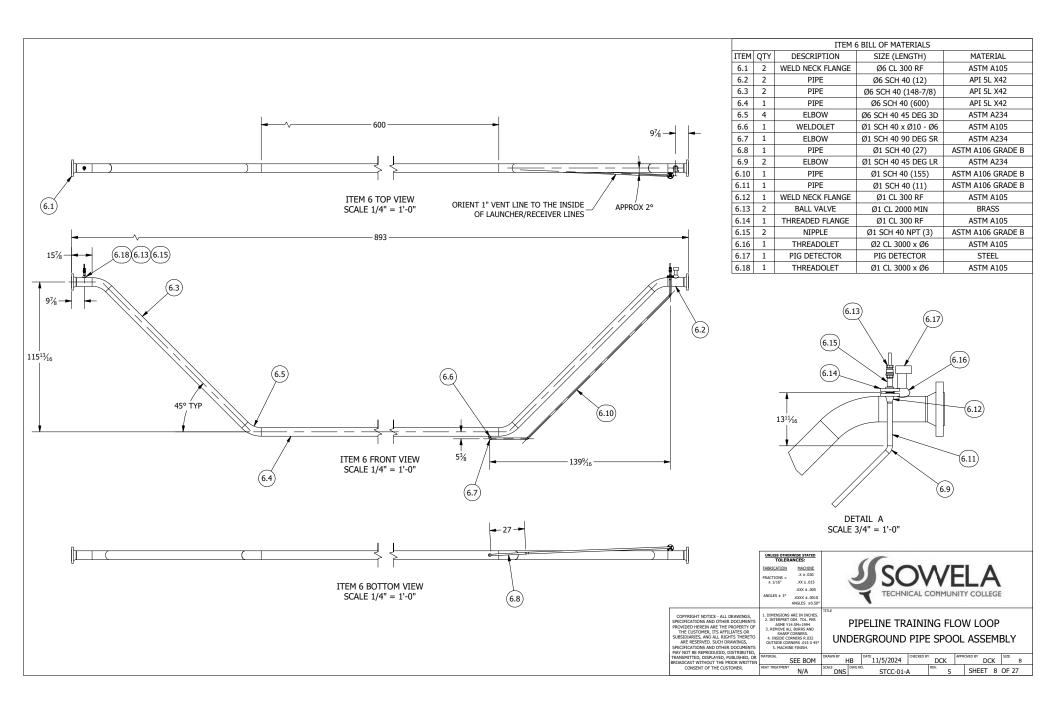
		E	BILL OF MATERIALS	
	ITEM QTY		SIZE (LENGTH)	MATERIAL
	1.1 1	PIPE	Ø10 SCH 60 (74)	ASTM A106 GRADE B
	1.2 2	WELD NECK FLANGE	Ø10 CL 300 RF	ASTM A105
	1.3 1	ECCENTRIC REDUCER	Ø10 SCH 60 X Ø6 SCH 40	ASTM A234
	1.4 1	PIPE	Ø6 SCH 40 (25)	API 5L X42
	1.5 3	WELD NECK FLANGE	Ø6 CL 300 RF	ASTM A105
(1.2)	1.6 1	WELDOLET	Ø4 SCH 40 X Ø6	ASTM A105
(1.19)	1.7 6	WELD NECK FLANGE	Ø4 CL 300 RF	ASTM A105
(1.26)	1.8 1	FLANGED TEE	Ø4 CL 300 RF	ASTM A105
	1.9 1	PIPE	Ø4 SCH 40 (17-3/16)	ASTM A106 GRADE B
	1.10 1	ELBOW	Ø4 SCH 40 90 DEG SR	ASTM A106 GRADE B
	1.11 1	PIPE	Ø4 SCH 40 (83-1/4)	ASTM A106 GRADE B
(1.36)	1.12 1	PIPE	Ø4 SCH 40 (9-11/16)	ASTM A106 GRADE B
	1.13 2	WELDOLET	Ø2 SCH 40 X Ø6	ASTM A105
	1.14 9	WELD NECK FLANGE	Ø2 CL 300 RF	ASTM A105
	1.15 1	THREADED FLANGE	Ø2 CL 300 RF	ASTM A105
	1.16 4	NIPPLE	Ø2 SCH 40 NPT (4)	ASTM A106 GRADE B
	1.17 2	THREADED ELBOW	Ø2 CL 3000 90 DEG W/ NPT	ASTM A105
	1.18 2	BALL VALVE	Ø2 CL 3000 NPT	BRASS
	1.19 1	BALL VALVE	Ø1 CL 3000 NPT	BRASS
	1.20 1	NIPPLE	Ø1 SCH 40 NPT (4)	ASTM A106 GRADE B
	1.21 3	THREADOLET	Ø1 CL 3000 X Ø10 - Ø6	ASTM A105
	1.22 1	THREADOLET	Ø2 CL 3000 X Ø6	ASTM A105
	1.23 2	ELBOW	Ø2 SCH 40 90 DEG 3D	ASTM A106 GRADE B
	1.24 3	ELBOW	Ø2 SCH 40 90 DEG SR	ASTM A106 GRADE B
	1.25 2	TEE	Ø2 SCH 40	ASTM A105
	1.26 1	CLOSURE	Ø10 CL 300 RF S-2000 RH (CCR-103)	STEEL
	1.27 1	PIPE	Ø2 SCH 40 (85)	ASTM A106 GRADE B
	1.28 1	LWN FLANGE	Ø2 CL 300 LWN RF	ASTM A105
	1.29 1	BLIND FLANGE	Ø2 CL 300 RF	ASTM A105
	1.30 1	PIPE	Ø2 SCH 40 (20)	ASTM A106 GRADE B
	1.31 1 1.32 2	GEAR OPERATED BALL VALVE	Ø6 CL 300 RF 2-PIECE TRUNNION	CARBON STEEL
		GEAR OPERATED BALL VALVE	Ø4 CL 300 RF 2-PIECE TRUNNION	CARBON STEEL
	1.33 1 1.34 2	PIPE GAUGE	Ø2 SCH 40 (22) 2,000 PSI MIN	ASTM A106 GRADE B STEEL
	1.34 2	LEVER OPERATED BALL VALVE		CARBON STEEL
	1.35 3	WELDOLET	Ø2 CL 300 RF 2-PIECE TRUNNION Ø4 SCH 40 X Ø10	ASTM A105
	1.37 1	PIPE	Ø6 SCH 40 (32-1/8)	API 5L X42
	1.38 1	WELDOLET	Ø2 SCH 40 X Ø10-Ø8	ASTM A105
	1.50 1			
		N	DTE: ALL Ø6 CL 300 VALVES SHALL BE F	ULL PORT BALL VALVES
		UNLESS OTHERWISE STA TOLERANCES:		Same and
		FABRICATION MACH		
		FRACTIONS =		
		ANGLES ± 3° XXXX ± ANGLES ± 3°	0010 TECHNICAL COMM	UNITY COLLEGE
			TITLE	
(1.14)	SPECIFIC	IGHT NOTICE - ALL DRAWINGS, ATIONS AND OTHER DOCUMENTS D HEREIN ARE THE PROPERTY OF ASME Y14.5M=199	PIPELINE TRAINING	FLOW LOOP
	SUBSIDI	A IJONS AND OTHER DOCUMENTS DUSTOMER, ITS AFFILIATES OR ARIES, AND ALL RIGHTS THERETO RARES, AND ALL RIGHTS THERETO SINGE CORNERS, AL UNITIDIE CORNERS, AL		EMBLY
	SPECIFIC	ARIES, AND ALL RIGHTS THERETO RESERVED. SUCH DRAWINGS, ATIONS AND OTHER DOCUMENTS BE REPRODUCED. DISTRIBUTED.		
	TRANSMI BROADCA	TTED, DISPLAYED, PUBLISHED, OR MATERIAL SEE BO	DM DRAWN BY HB DATE 11/5/2024 CHECKED BY DCK	
	CC	NSENT OF THE CUSTOMER. HEAT TREATMENT N/A	SCALE DNS DWG NO. STCC-01-A REV.	5 SHEET 3 OF 27

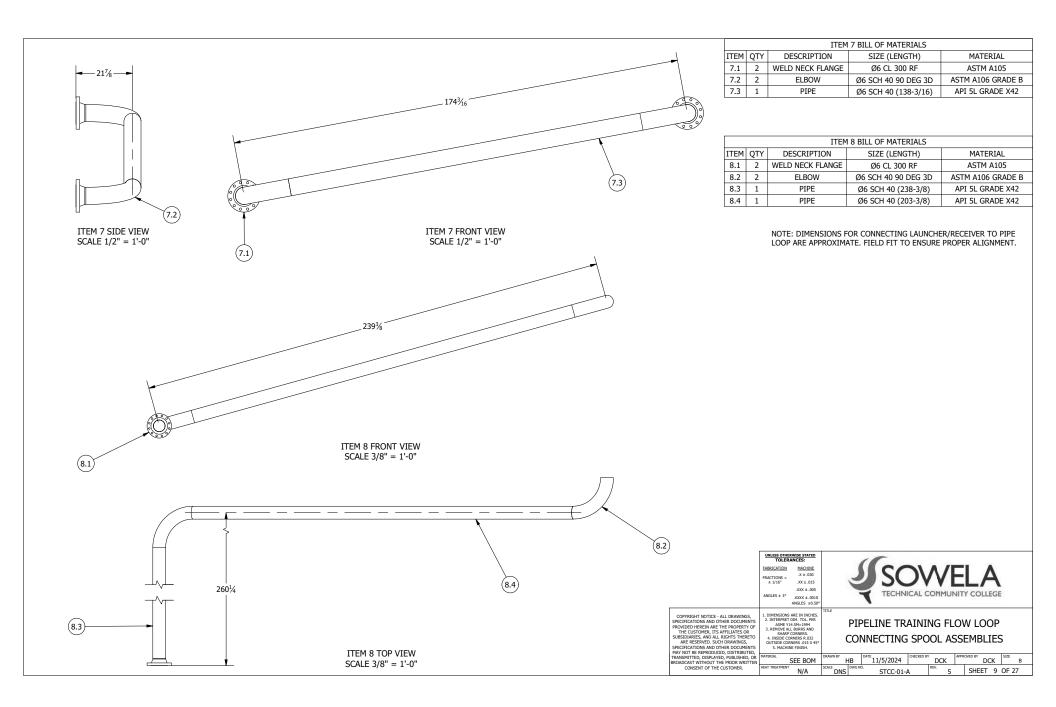




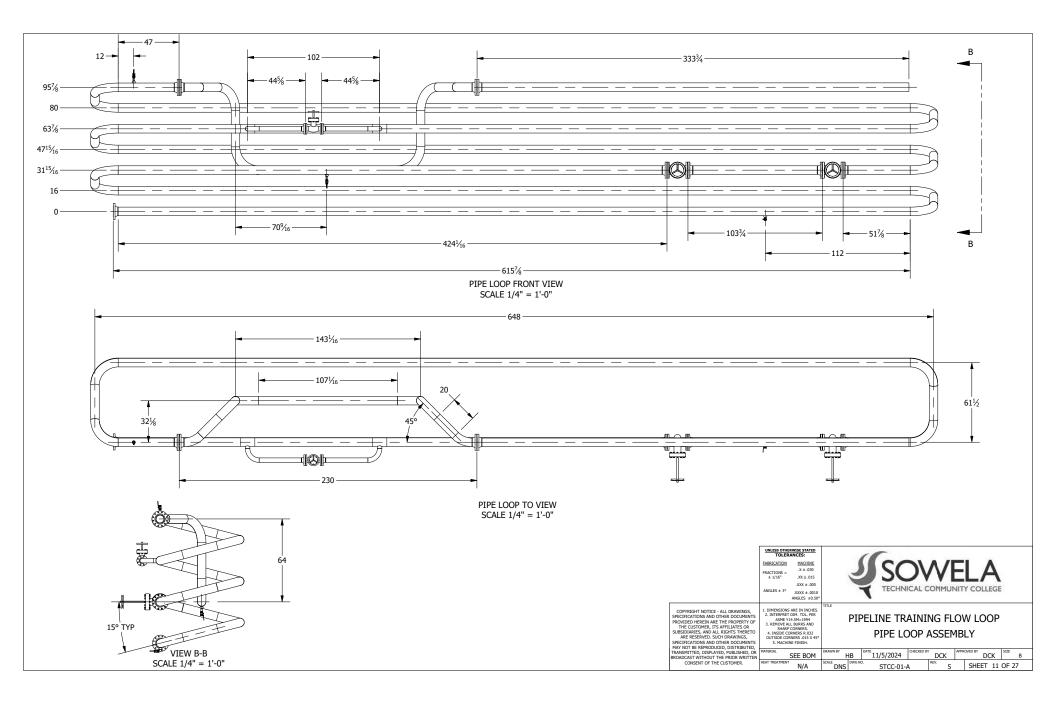


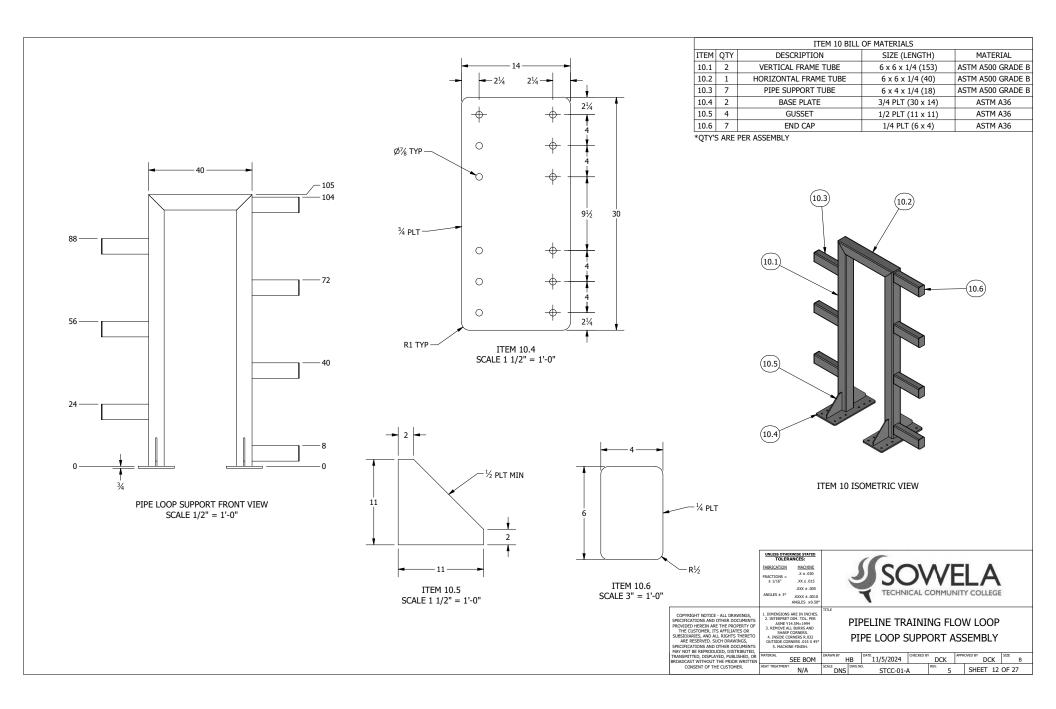


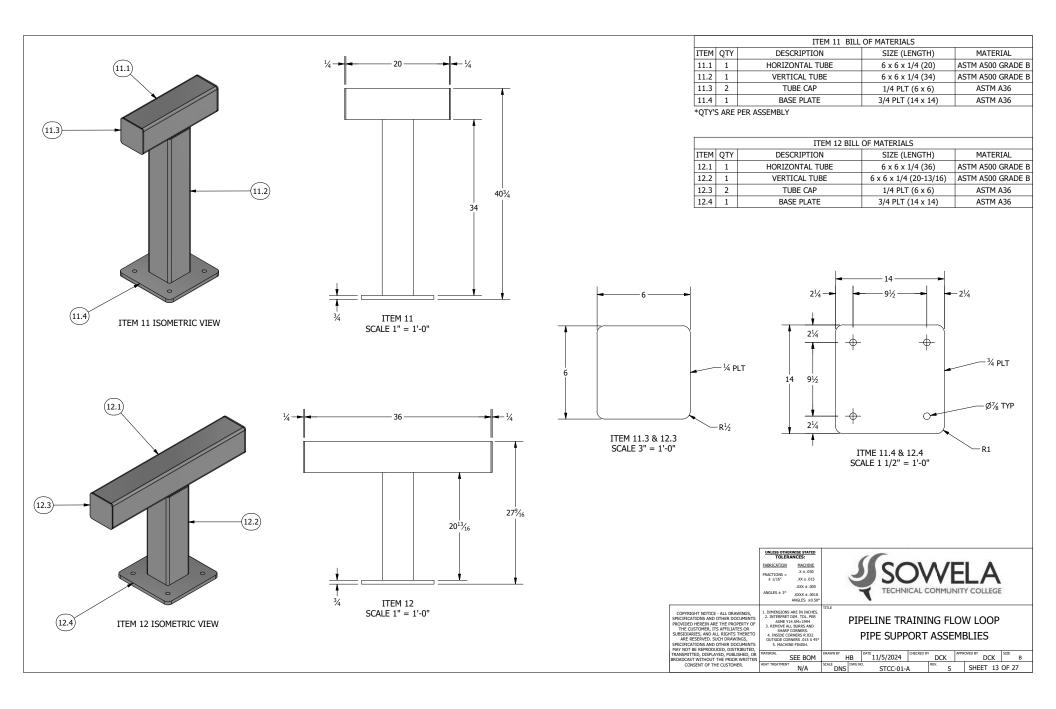


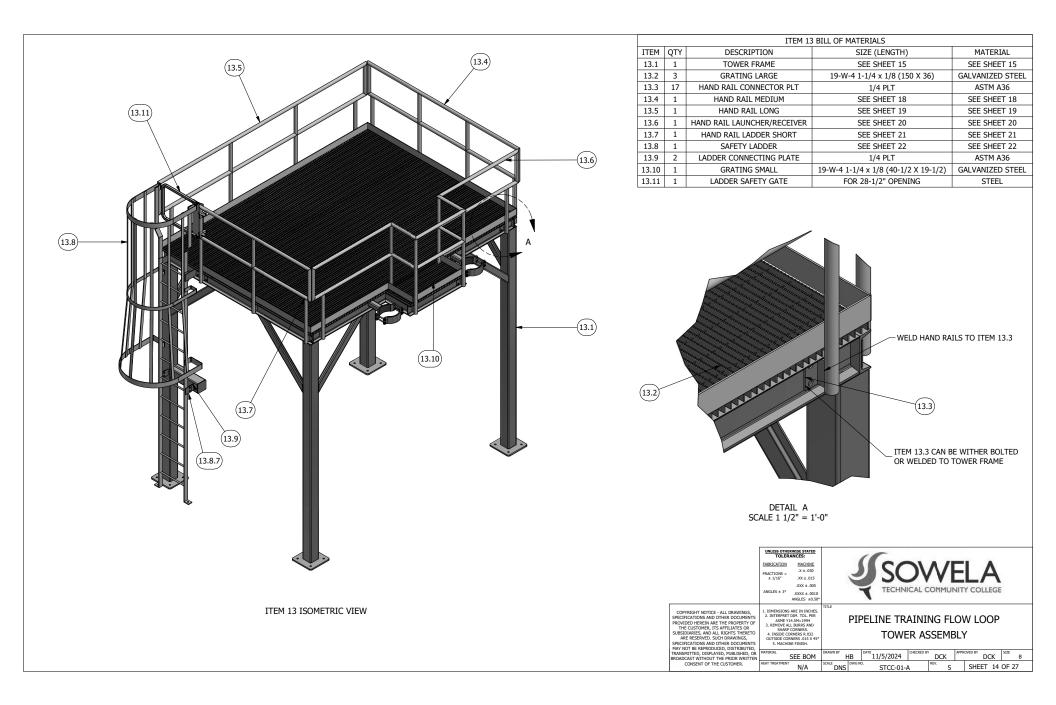


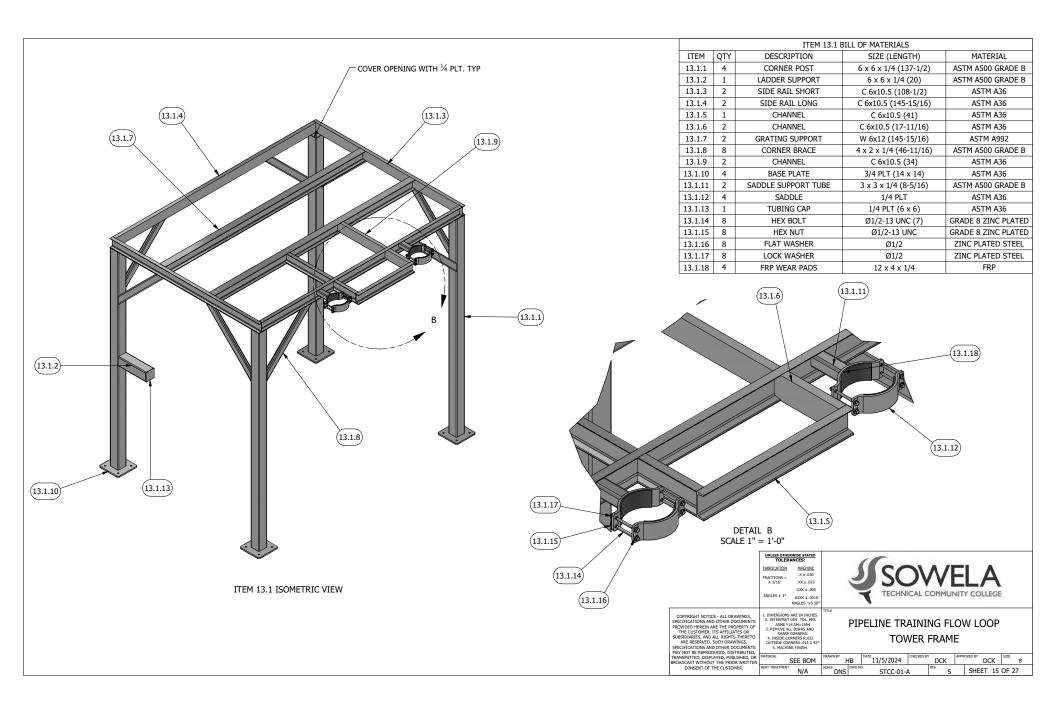
		9.23 9.21 9.10 9.21	9,3 9,16	9.14 9.13 9.29 9.24 9.24
ITEM QTY 9.1 9 9.2 2 9.3 2 9.4 2 9.5 2 9.6 1 9.7 2	DESCRIPTION WELD NECK FLANGE GEAR OPERATED BALL VALVE ELBOW REDUCING TEE ELBOW BALL VALVE	BILL OF MATERIALS SIZE (LENGTH) Ø6 CLASS 300 RF Ø6 CL 300 RF 2-PIECE TRUNNION Ø6 SCH 40 45 DEG 3D Ø6 SCH 40 X Ø3 SCH 40 Ø3 SCH 40 3D Ø3 SCH 40 3D	MATERIAL ASTM A105 CARBON STEEL ASTM A234 ASTM A234 ASTM A234 CARBON STEEL ASTM A234	9.5 9.8 9.9 9.10 9.12 9.19 9.10 9.10 9.10 9.10 9.10 9.10 9.10
9.7 2 9.8 3	WELD NECK FLANGE BALL VALVE	Ø3 CLASS 300 RF Ø1 NPT	BRASS	(9.11)
9.9 2	THREADED NIPPLE	Ø1 SCH 40 W/ 1 NPT (3)	ASTM A106 GRADE B	
9.10 3	THREADOLET	Ø1 X Ø6 SCH 40	ASTM A105	
9.11 1	THREADED ELBOW	Ø1 SCH 40 W/ 1 NPT	ASTM A105	
9.12 16	ELBOW	Ø6 SCH 40 90 DEG 3D	ASTM A106 GRADE B	
9.13 1	PIPE	Ø6 SCH 40 (90-3/4)	API 5L X42	
9.14 2	PIPE	Ø6 SCH 40 (28)	API 5L X42	
9.15 1	PIPE	Ø6 SCH 40 (107-1/16)	API 5L X42	
9.16 2	PIPE	Ø6 SCH 40 (20)	API 5L X42	ULES OTHERHIS STATE TOLERAUSE:
9.17 1	PIPE	Ø6 SCH 40 (48)	API 5L X42	
9.18 1	PIPE	Ø6 SCH 40 (96)	API 5L X42	
9.19 4	PIPE	Ø6 SCH 40 (612)	API 5L X42	
9.20 1	PIPE	Ø6 SCH 40 (420-3/16)	API 5L X42	ANGLES 8.3" XXXX ± .0010 ANGLES 8.0.5P
9.21 1	PIPE	Ø6 SCH 40 (94-5/16)	API 5L X42	
9.22 1	PIPE	Ø6 SCH 40 (404-7/16)	API 5L X42	
9.23 1	PIPE	Ø6 SCH 40 (43-1/8)	API 5L X42	Substitutes, and all edited Ts three To A de Reserved Such DRAWING State To OUTSIDE TO COMPERS (1): 34/07 PIPE LOOP ASSEMBLY
9.24 1	PIPE	Ø6 SCH 40 (329-7/8)	API 5L X42	SPECIFICATIONS AND OTHER DOCUMENTS S. MACHINE FINISH.
9.25 6	PIPE	Ø6 SCH 40 (27-9/16)	API 5L X42	TRANSMITTED DISPLATED DISPLATED PUBLISHED OR MITTEDUA SEE BOM DISWING W HB OTTE 11/5/2024 OCK APRILATED DCK STEE B
9.26 2	PIPE	Ø3 SCH 40 (32-9/16)	ASTM A106 GRADE B	CONSENT OF THE CUSTOMER. HEAT TRAINENT N/A SOLE DNS WORKD. STCC-01-A EX. 5 SHEET 10 OF 27

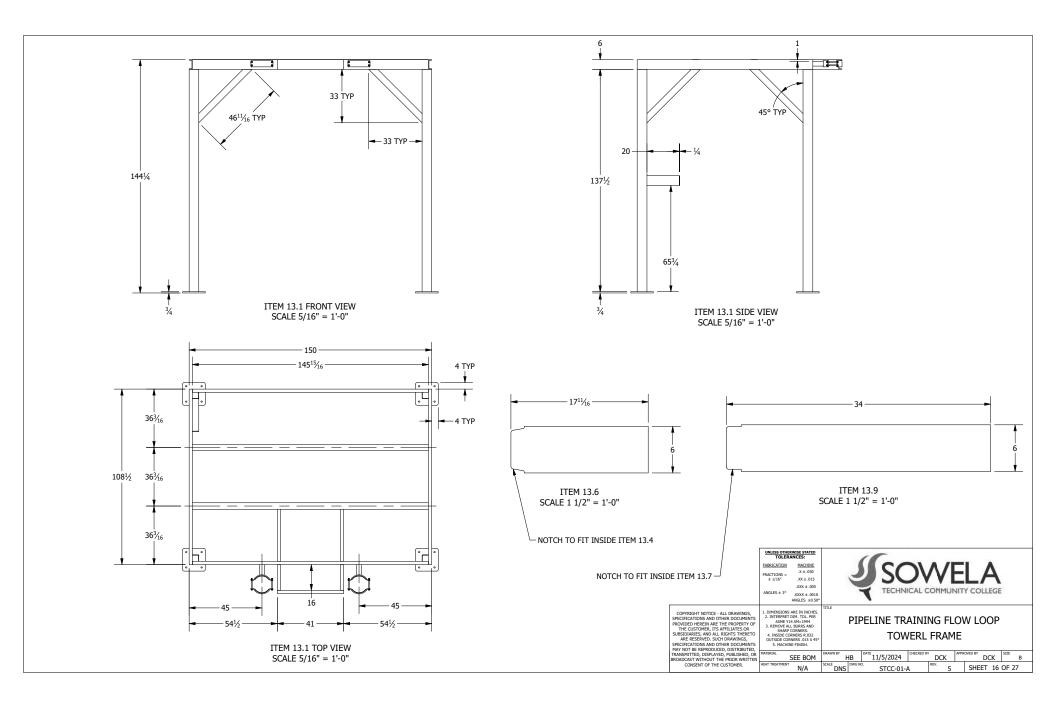


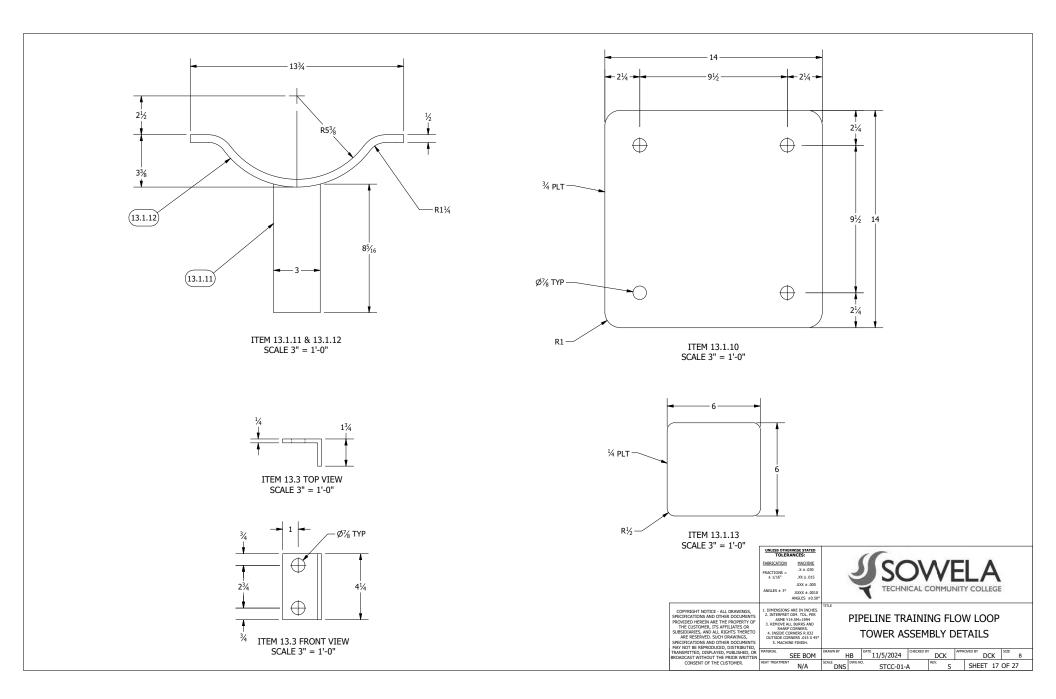


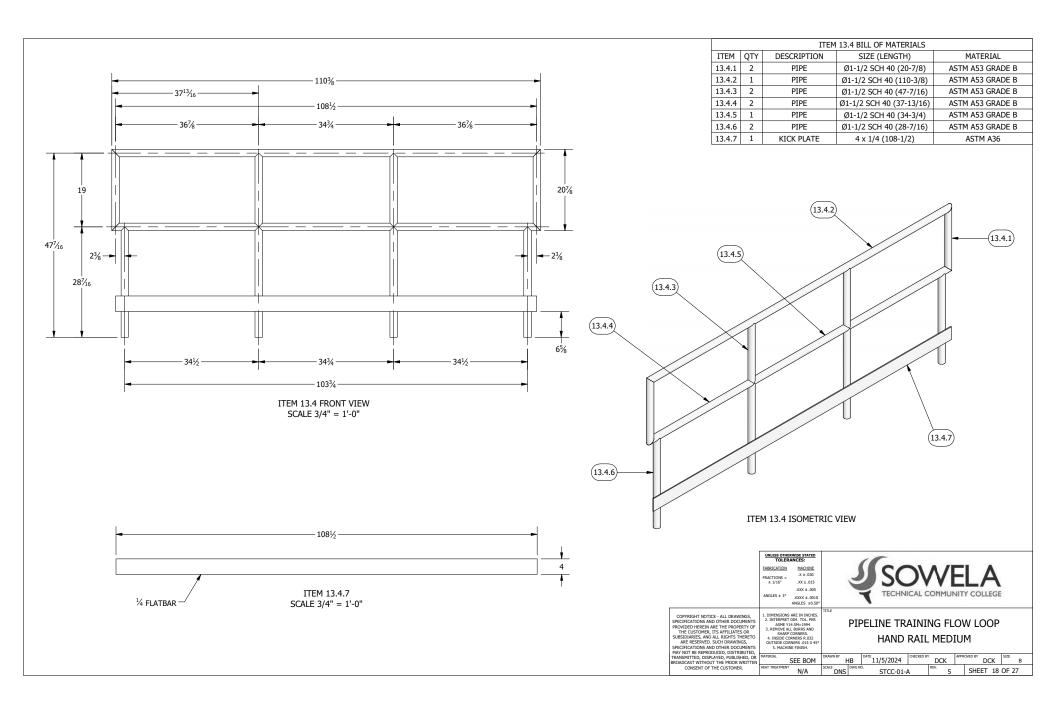


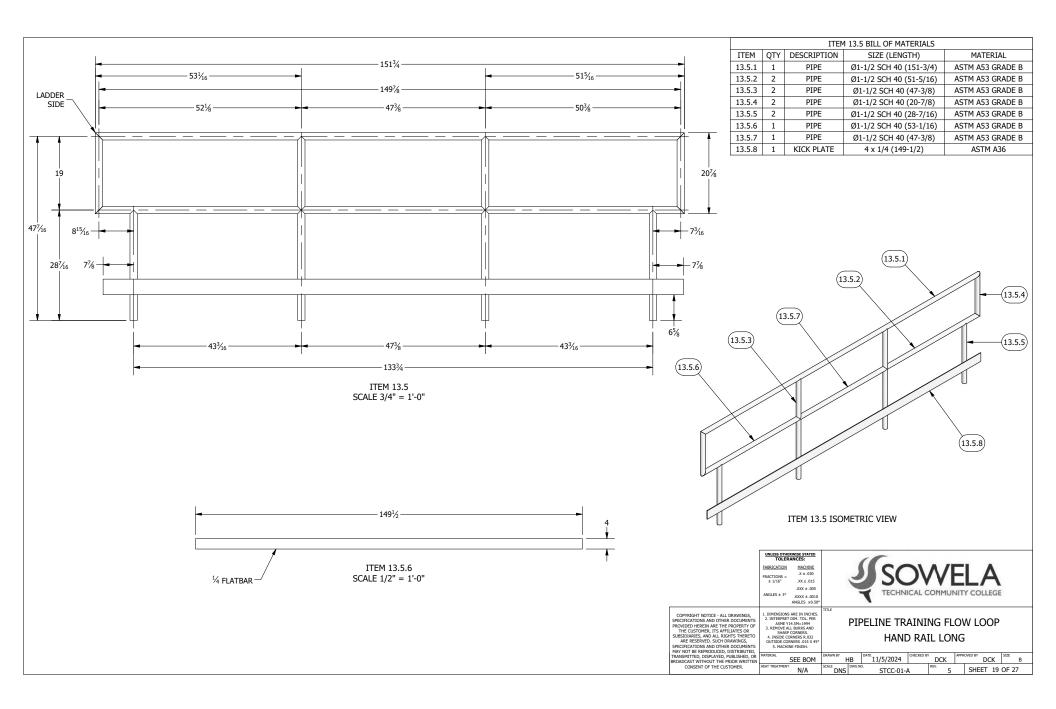


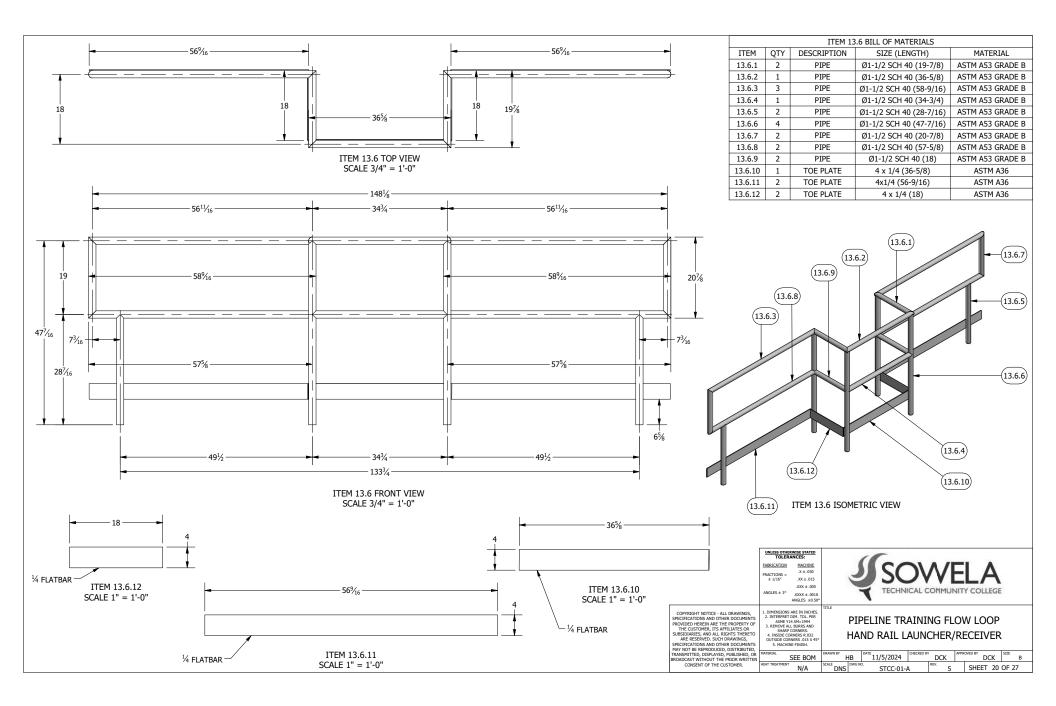


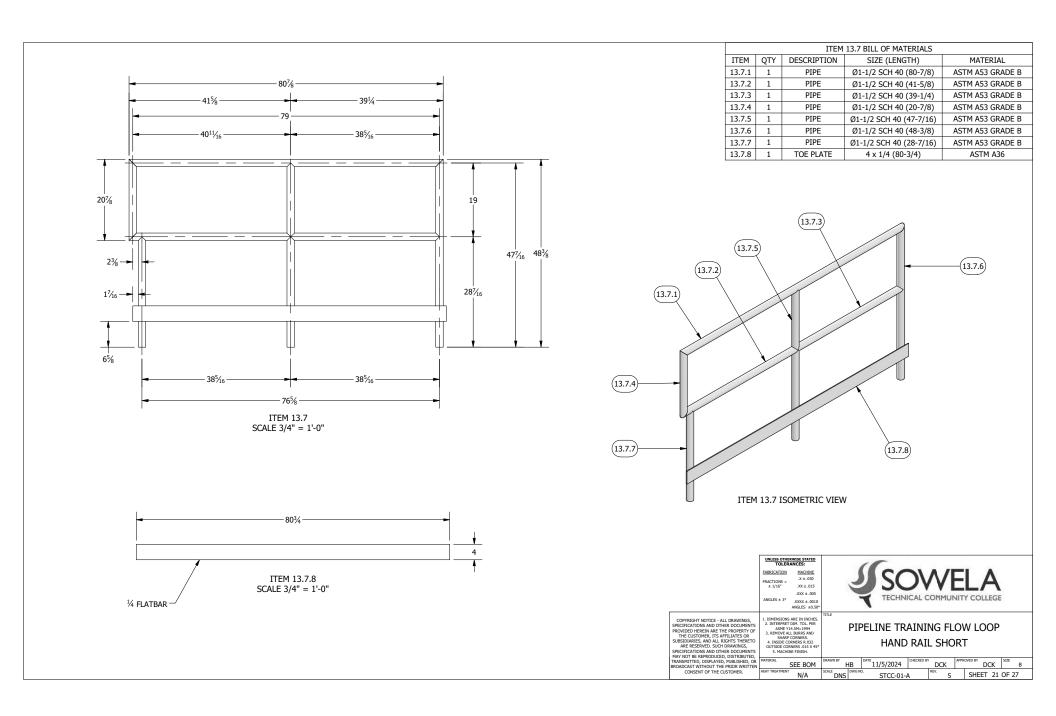


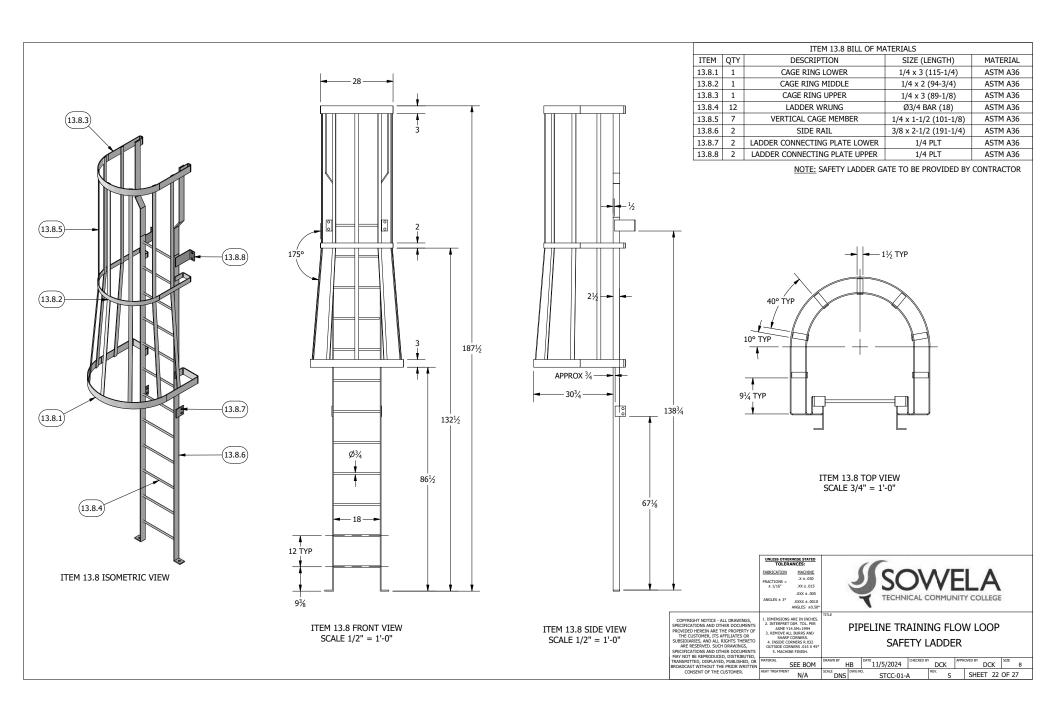


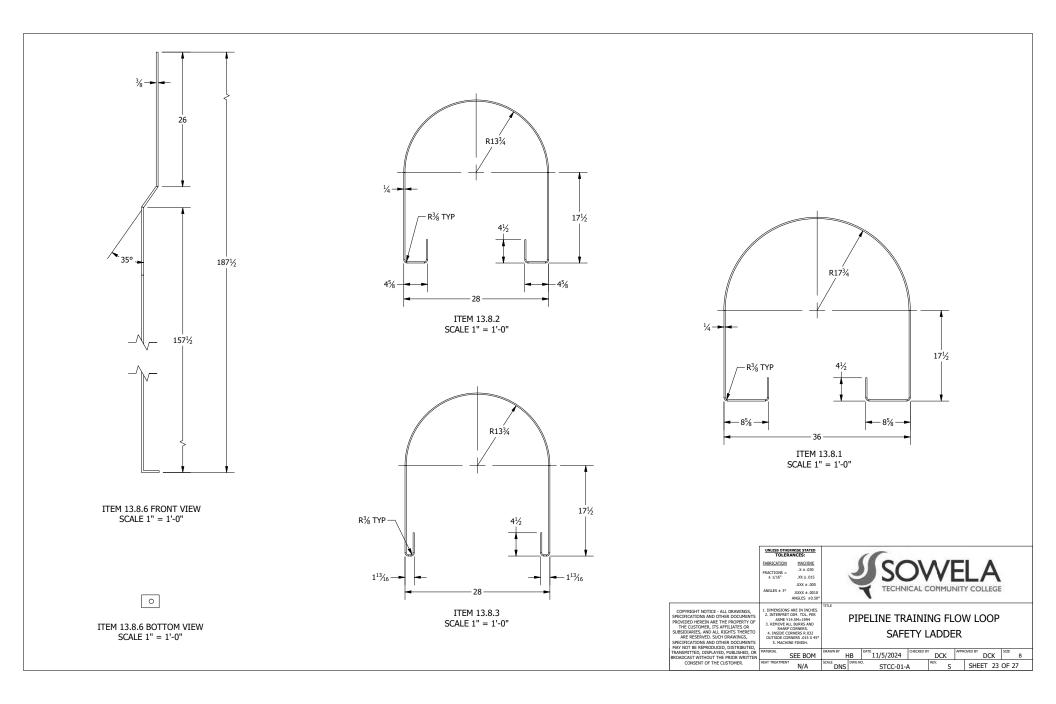


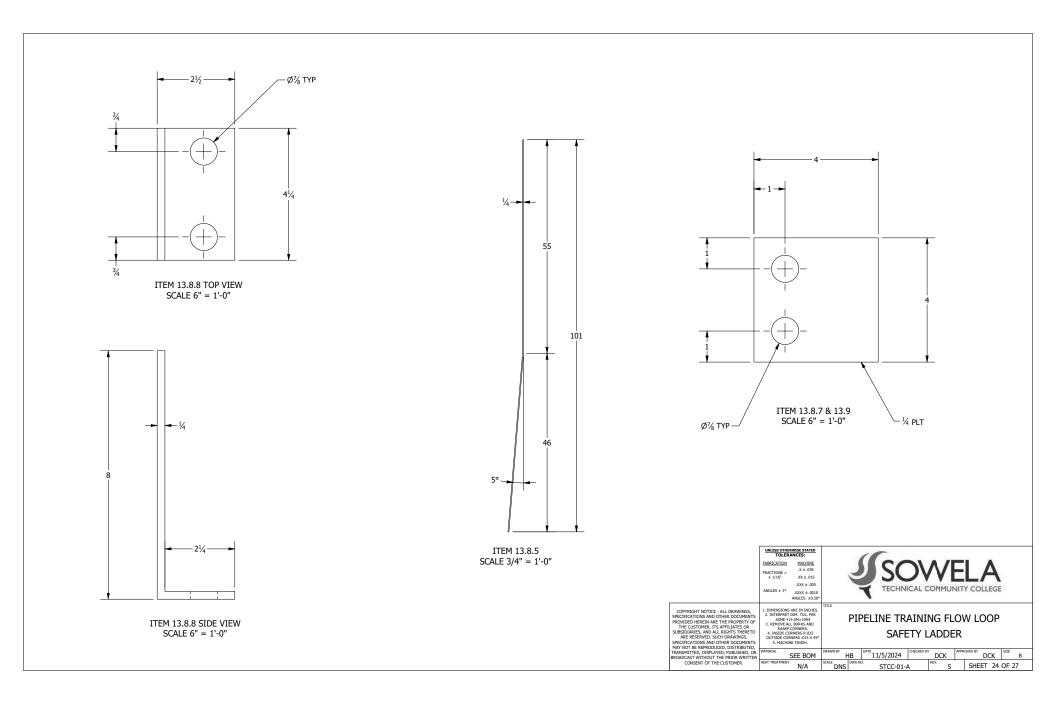


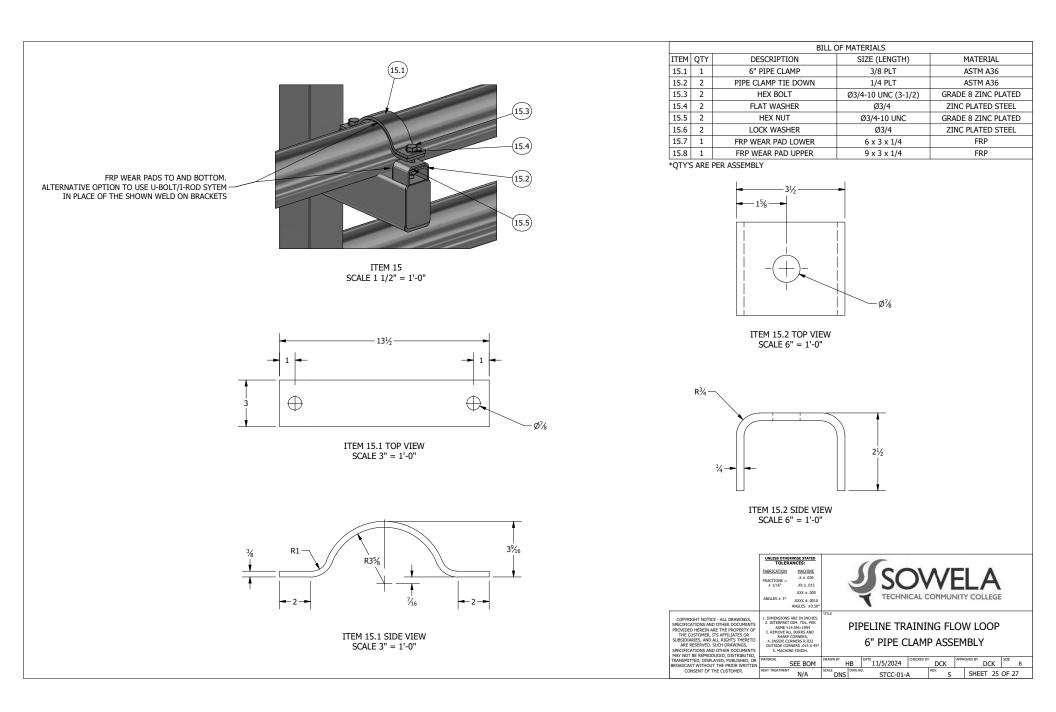


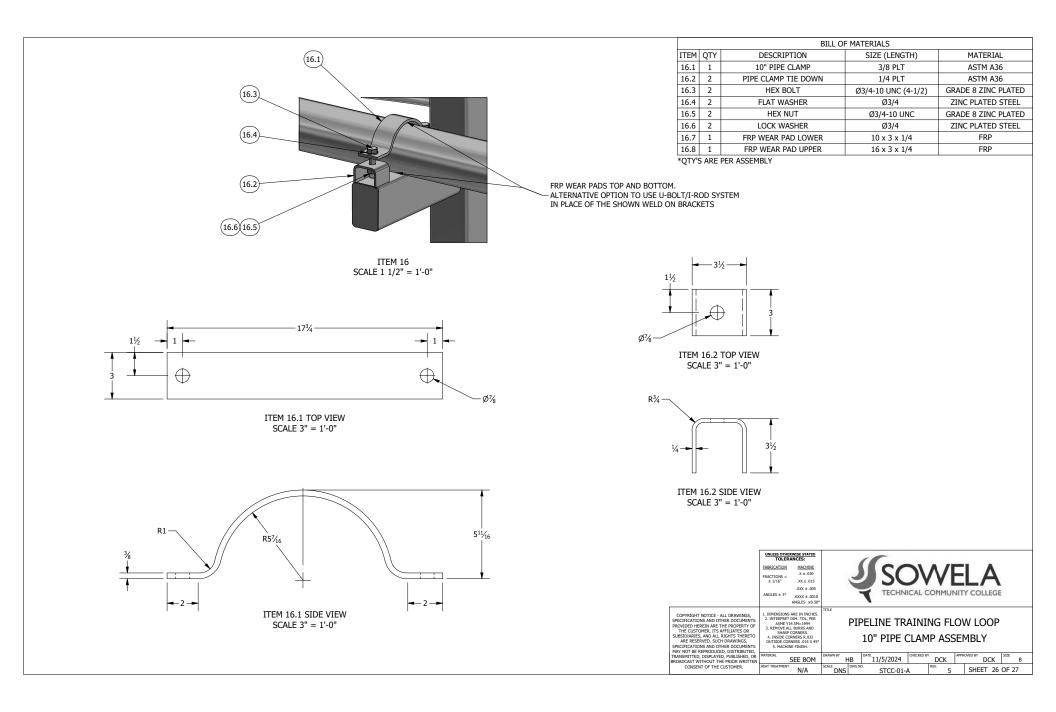


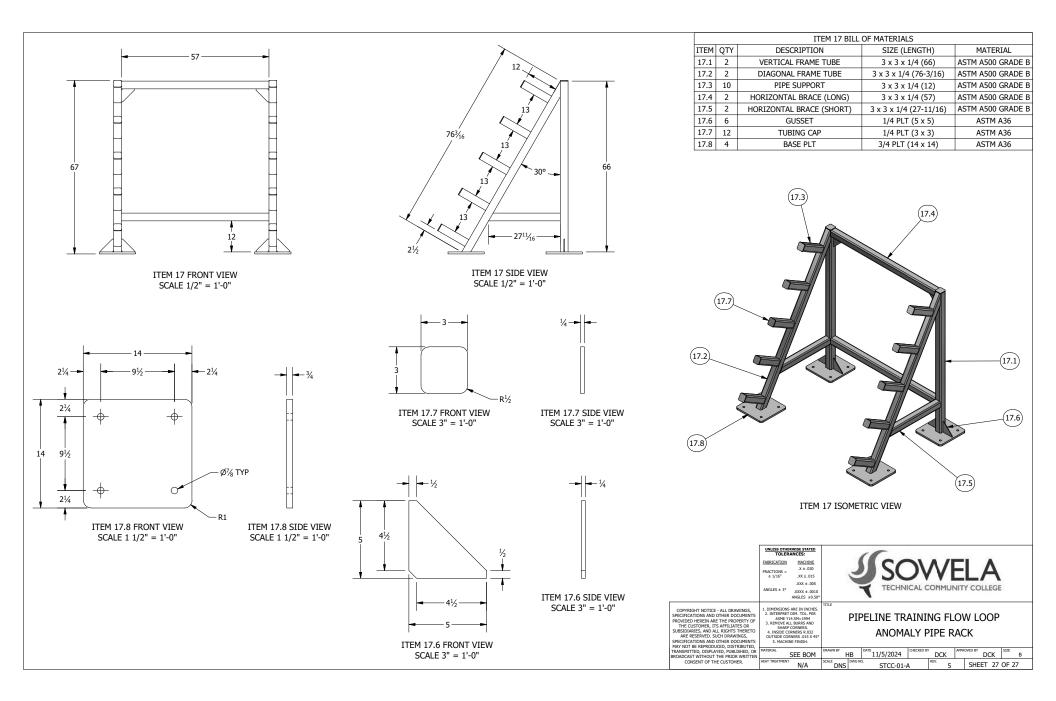


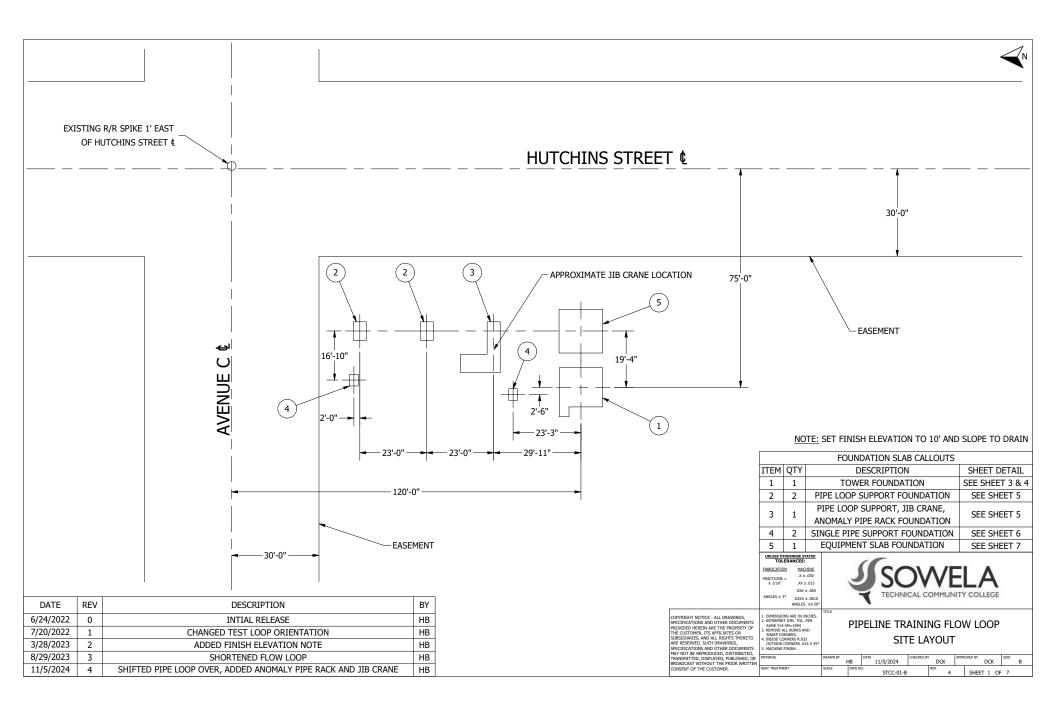


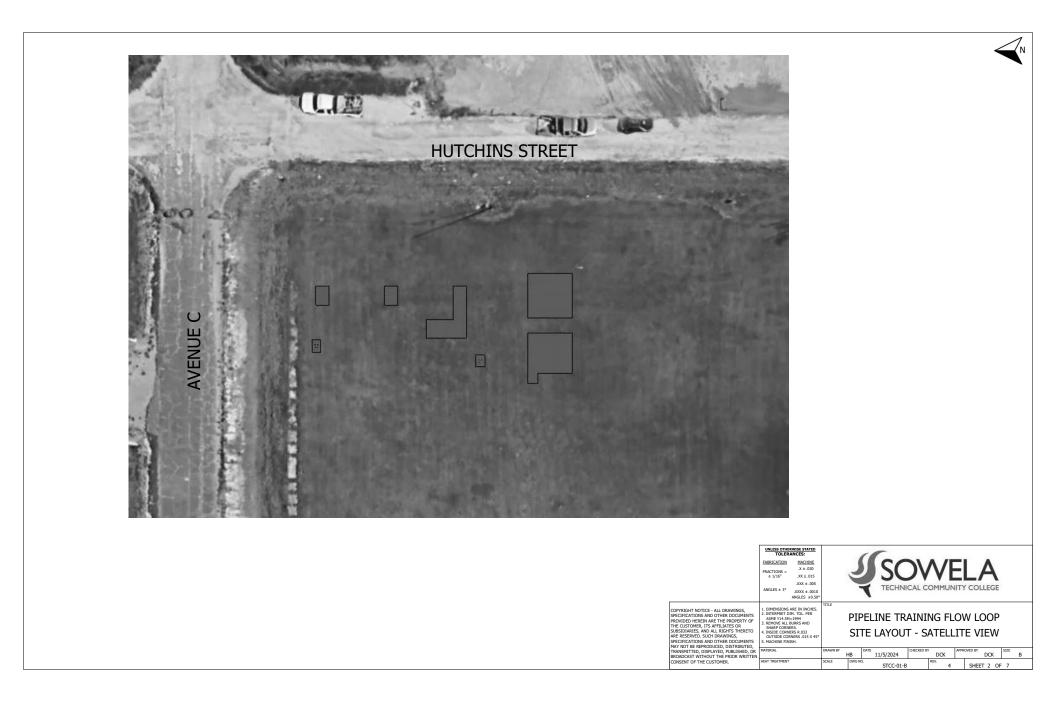


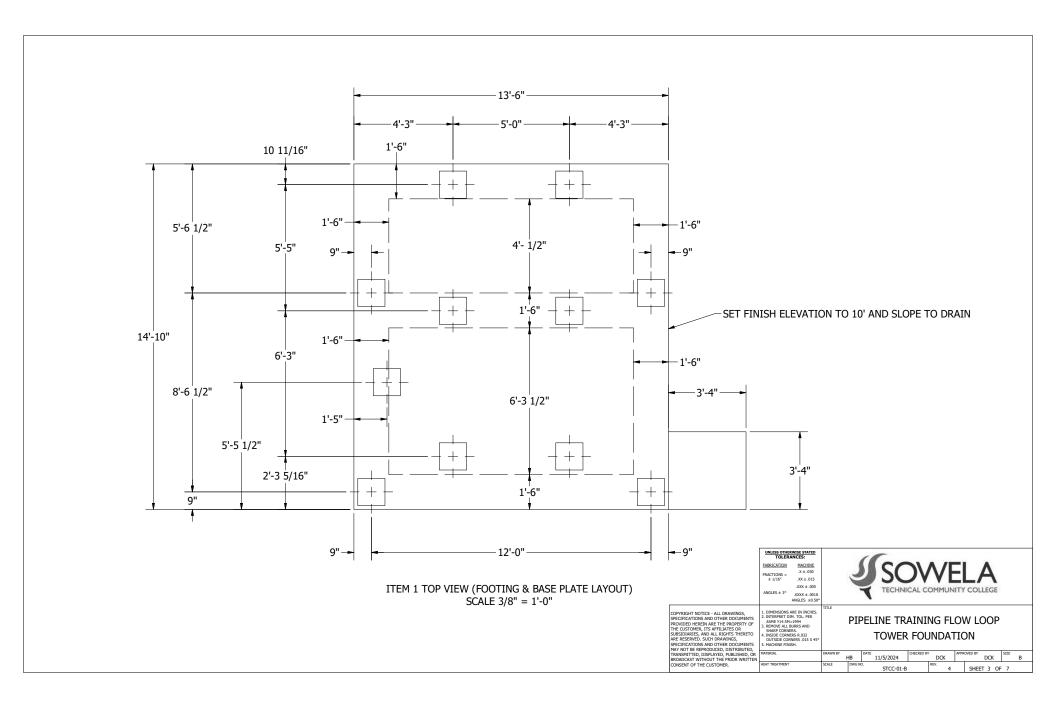


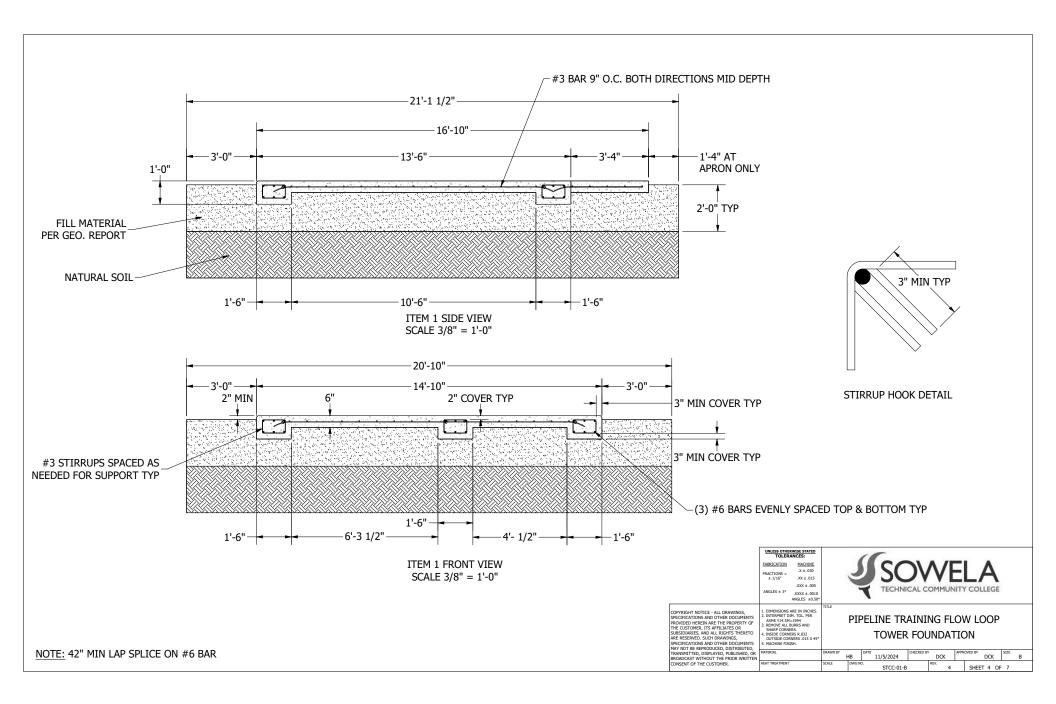


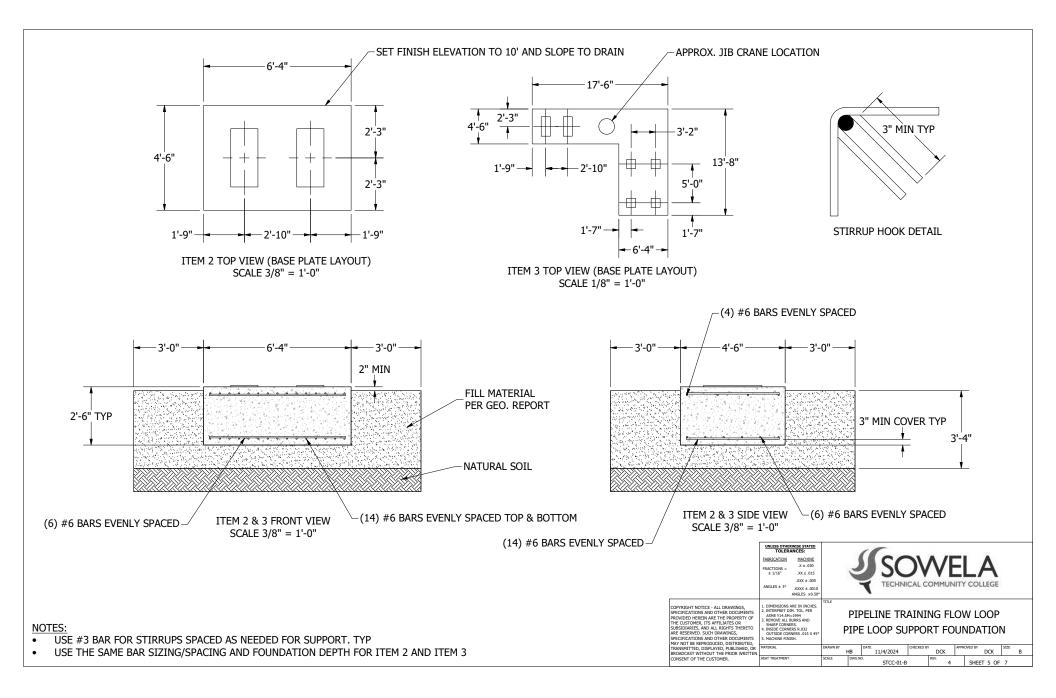


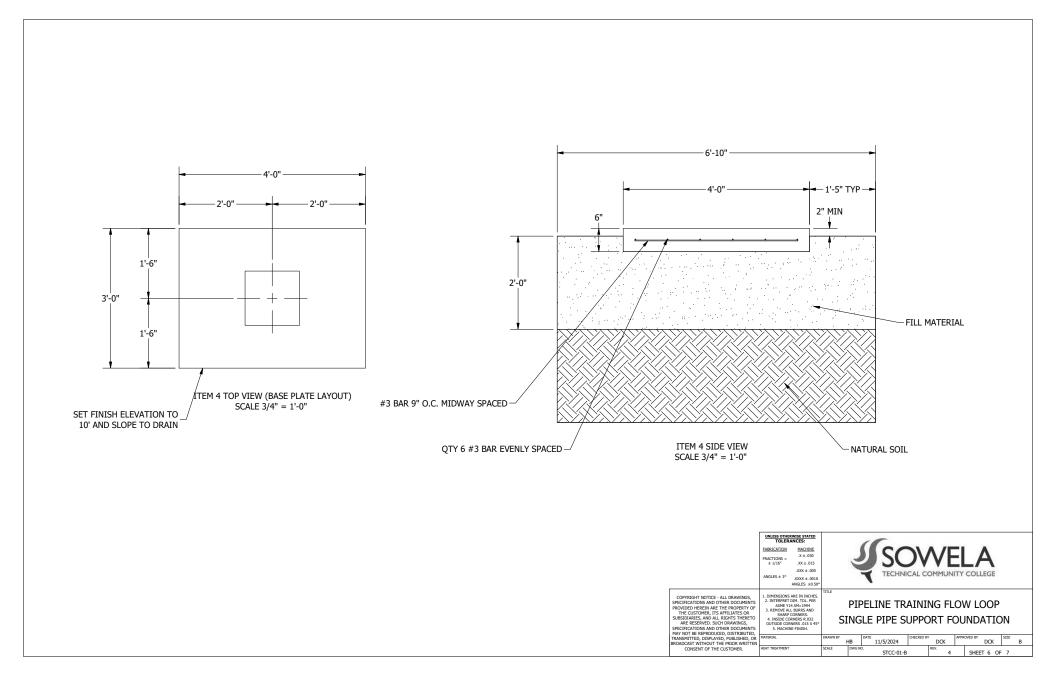


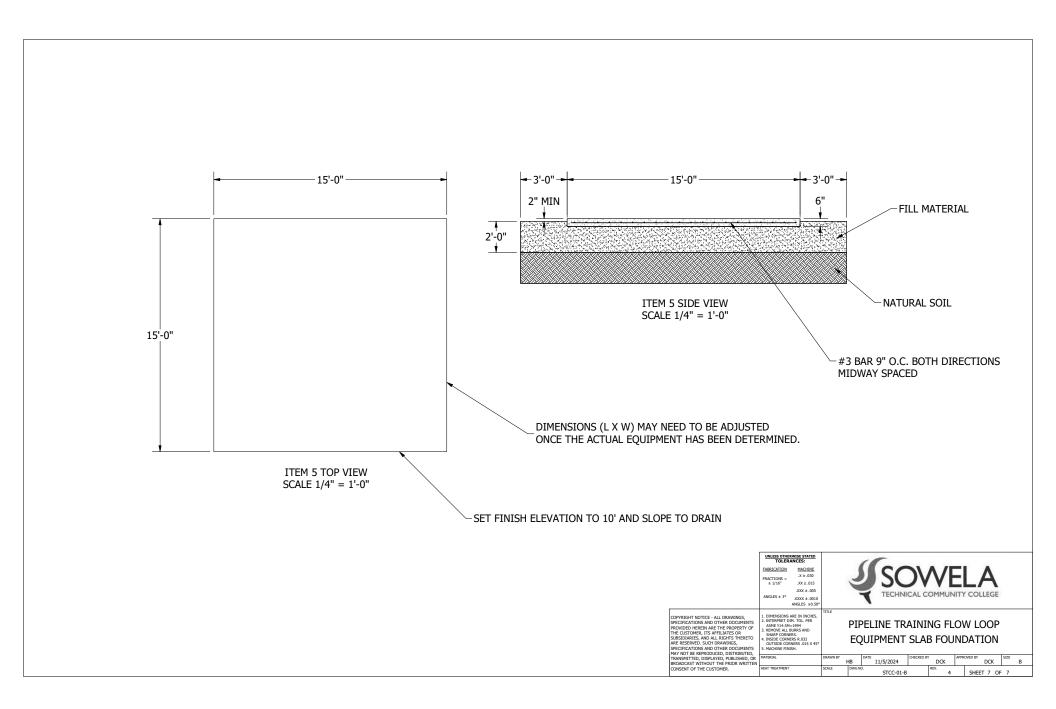












LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO:

BID FOR:

(Owner to provide name and address of owner)

(Owner to provide name of project and other identifying information)

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by:

______and dated: ______ (Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) ______.

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____Dollars (\$_____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

	Dollars (\$	
Alternate No. 2 (Owner to provide description of alternate and state	whether add or deduct) for the lump sum of:	
	Dollars (\$	
Alternate No. 3 (Owner to provide description of alternate and state	whether add or deduct) for the lump sum of:	
	Dollars (\$)
ADDRESS OF BIDDER:		
LOUISIANA CONTRACTOR'S LICENSE NUMBEI NAME OF AUTHORIZED SIGNATORY OF BIDDE TITLE OF AUTHORIZED SIGNATORY OF BIDDE	R:	
SIGNATURE OF AUTHORIZED SIGNATORY OF		

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The <u>Unit Price Form</u> shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

****** A CORPORATE RESOLUTION OR WRITTEN EVIDENCE of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO:

BID FOR:

(Owner to provide name and address of owner)

(Owner to provide name of project and other identifying information)

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by:

______and dated: _______

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA**: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging)

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____Dollars (\$______)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 4 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

Anter nate 1NO. 4 (Owner to provide description of alternate and state when	ther dad or deduct) for the fullip sull of.	
	Dollars (\$)
Alternate No. 5 (Owner to provide description of alternate and state when	ther add or deduct) for the lump sum of:	
	Dollars (\$)
Alternate No. 6 (Owner to provide description of alternate and state when	ther add or deduct) for the lump sum of:	
	Dollars (\$)
NAME OF BIDDER:ADDRESS OF BIDDER:		
LOUISIANA CONTRACTOR'S LICENSE NUMBER: NAME OF AUTHORIZED SIGNATORY OF BIDDER TITLE OF AUTHORIZED SIGNATORY OF BIDDER:		
SIGNATURE OF AUTHORIZED SIGNATORY OF BI DATE:	IDDER **:	

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* The <u>Unit Price Form</u> shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

****** A CORPORATE RESOLUTION OR WRITTEN EVIDENCE of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.

BID BOND

FOR

Pipeline Loop Trainer

Date:

KNOW ALL MEN BY THESE PRESENTS:

That	_ of	_, as
Principal, and	, as Surety, are held and firmly bour	nd unto
SOWELA Technical Community College (Obligee), in the full and	just sum of five (5%) percent of the to	<u>stal amount</u>
of this proposal, including all alternates, lawful money of the United	d States, for payment of which sum, we	ell and truly
be made, we bind ourselves, our heirs, executors, administrators, su	ccessors and assigns, jointly and sever	ally firmly
by these presents.		

Surety represents that it is listed on the current U.S. Department of the Treasury Financial Management Service list of approved bonding companies as approved for an amount equal to or greater than the amount for which it obligates itself in this instrument or that it is a Louisiana domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide. If surety qualifies by virtue of its Best's listing, the Bond amount may not exceed ten percent of policyholders' surplus as shown in the latest A.M. Best's Key Rating Guide.

Surety further represents that it is licensed to do business in the State of Louisiana and that this Bond is signed by surety's agent or attorney-in-fact. This Bid Bond is accompanied by appropriate power of attorney.

THE CONDITION OF THIS OBLIGATION IS SUCH that, whereas said Principal is herewith submitting its proposal to the Oblige on a Contract for:

NOW, THEREFORE, if the said Contract be awarded to the Principal and the Principal shall, within such time as may be specified, enter into the Contract in writing and give a good and sufficient bond to secure the performance of the terms and conditions of the Contract with surety acceptable to the Obligee, then this obligation shall be void; otherwise this obligation shall become due and payable.

PRINCIPAL (BIDDER)

SURETY

BY:

AUTHORIZED OFFICER-OWNER-PARTNER

BY:

AGENT OR ATTORNEY-IN-FACT (SEAL)

STATE OF LOUISIANA

PARISH OF CALCASIEU

ATTESTATIONS AFFIDAVIT

Before me, the undersigned notary public, duly commissioned and qualified in and for the parish and state aforesaid, personally came and appeared Affiant, who after being duly sworn, attested as follows:

LA. R.S. 38;2227 PAST CRIMINAL CONVICTIONS OF BIDDERS

- A. No sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named below has been convicted of, or has entered a plea of guilty or nolo contendere to any of the following state crimes or equivalent federal crimes:
 - (a) Public bribery (R.S. 14:118)
 - (b) Corrupt influencing (R.S. 14:120)

(c) Extortion (R.S. 14:66)

(d) Money laundering (R.S. 14:23)

- B. Within the past five years from the project bid date, no sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named below has been convicted of, or has entered a plea of guilty or nolo contendere to any of the following state crimes or equivalent federal crimes, during the solicitation or execution of a contract or bid awarded pursuant to the provisions of Chapter 10 of Title 38 of the Louisiana Revised Statutes:
 - (a) Theft (R.S. 14:67)
 (b) Identity Theft (R.S. 14:67.16)
 (c) Theft of a business record (R.S.14:67.20)
 (d) False accounting (R.S. 14:70)
 (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
 (g) Forgery (R.S. 14:72)
 (h) Contractors; misapplication of payments (R.S. 14:202) (i)
 Malfeasance in office (R.S. 14:134)

LA. R.S. 38;2212.10 Verification of Employees

- A. At the time of bidding, Appearer is registered and participates in a status verification system to verify that all new hires in the state of Louisiana are legal citizens of the United States or are legal aliens.
- B. If awarded the contract, Appearer shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the state of Louisiana.
- C. If awarded the contract, Appearer shall require all subcontractors to submit to it a sworn affidavit verifying compliance with Paragraphs (A) and (B) of this Subsection.

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LA. R.S. 23:1726(B) Certification Regarding Unpaid Workers Compensation Insurance

- A. R.S. 23:1726 prohibits any entity against whom an assessment under Part X of Chapter 11 of Title 23 of the Louisiana Revised Statutes of 1950 (Alternative Collection Procedures & Assessments) is in effect, and whose right to appeal that assessment is exhausted, from submitting a bid or proposal for or obtaining any contract pursuant to Chapter 10 of Title 38 of the Louisiana Revised Statutes of 1950 and Chapters 16 and 17 of Title 39 of the Louisiana Revised Statutes of 1950.
- B. By signing this bid /proposal, Affiant certifies that no such assessment is in effect against the **bidding** / **proposing** entity.

NAME OF BIDDER

NAME OF AUTHORIZED SIGNATORY OF BIDDER

DATE

TITLE OF AUTHORIZED SIGNATORY OF BIDDER

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER AFFIANT

Sworn to and subscribed before me by Affiant on day of the

, 20

BID 82849

INDEMNIFICATION AGREEMENT

(Contractor) agrees to protect, defend, indemnify, save, and hold The harmless the State of Louisiana, all State Departments, Agencies, Boards and Commissions, its officers, agents, servants and employees, including volunteers, from and against any and all claims, demands, expense and liability arising out of injury or death to any person or the damage, loss or destruction of any property which may occur or in any way grow out of any act or omission of (Contractor), its agents, servants, and employees, and all costs. and/or fees incurred by anv expense attorney or (Contractor) as a result of any claim, demands, and/or causes of action except those claims, demands, and/or causes of action arising out of the negligence of the State of Louisiana, all State Departments, Agencies, Boards, Commissions, its agents, representatives, and/or (Contractor) agrees to investigate, handle, respond to, employees. provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent.

Accepted by:	
	Company Name
	Signature
Date Accepted:	Title
Is Certificate of Insurance Attached?	Yes No
is certificate of insurance Attached?	

Contract No. 82849

Purpose of Contract: <u>Pipeline Loop Trainer</u>

STATE OF LOUISIANA SOWELA TECHNICAL COMMUNITY COLLEGE

NAME _____

LOCATION

TITLE 38 AFFIDAVIT

read this affidavit and does hereby agree under oath to comply with all provisions herein as follows:

PART I

Section 2220 of Part II of Chapter 10 to Title 38 of the Louisiana Revised Statutes of 1950 as amended.

(1) That affiant employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the affiant whose services in connection with the construction of the public building or project or in securing the public contract were in the regular course of their duties for affiant; and

(2) That no part of the contract price received by affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the affiant whose services in connection with the construction of the public building or project were in the regular course of their duties for affiant.

PART II

Section 2190 of Part I of Chapter 10 of Title 38 of the Louisiana Revised Statutes of 1950 as amended.

The affiant, if he be an architect or engineer, or representative thereof, does not own a substantial financial interest, either directly or indirectly, in any corporation, firm, partnership, or other organization which supplied materials for the construction of a public building or project when the architect or engineer has performed architectural or engineering services, either directly or indirectly, in connection with the public building or project for which the materials are being supplied.

For the purpose of this Section, a "substantial financial interest" shall exclude any interest in stock being traded on the American Stock Exchange or the New York Stock Exchange.

That affiant, if subject to the provisions of this section, does hereby agree to be subject to the penalties involved for the violation of this section.

PART III

That affiant does hereby state that he has read and agrees to comply with and be subject to the provisions of Part V of Chapter 10 of Title 38 of the Louisiana Revised Statutes of 1950, being Sections 2290 through 2296 of Title 38 as amended.

Signature of Affiant:

SWORN TO AND SUBSCRIBED BEFORE ME THIS _____ DAY OF _____, 201 ____.

Signature of Notary: _____