

**ADDENDUM NO. 1
JANUARY 14, 2025**

**PROJECT: CITY OF AZLE
WALNUT CREEK LIFT STATION**

BID DATE: January 23, 2025

The following changes and/or additions shall be made to the Plans, Specifications, and Contract Documents for the above referenced project. Bidder shall acknowledge receipt of this Addendum by signing below and returning this Addendum with the Bid.

- 1) Some plan sheets have been revised and are attached to this addendum (revised sheets only). These changes are substantially intended to clarify the concrete pad for the new electric panel, but other minor clarifications are included as well.**

Bidder's Acknowledgment

Date

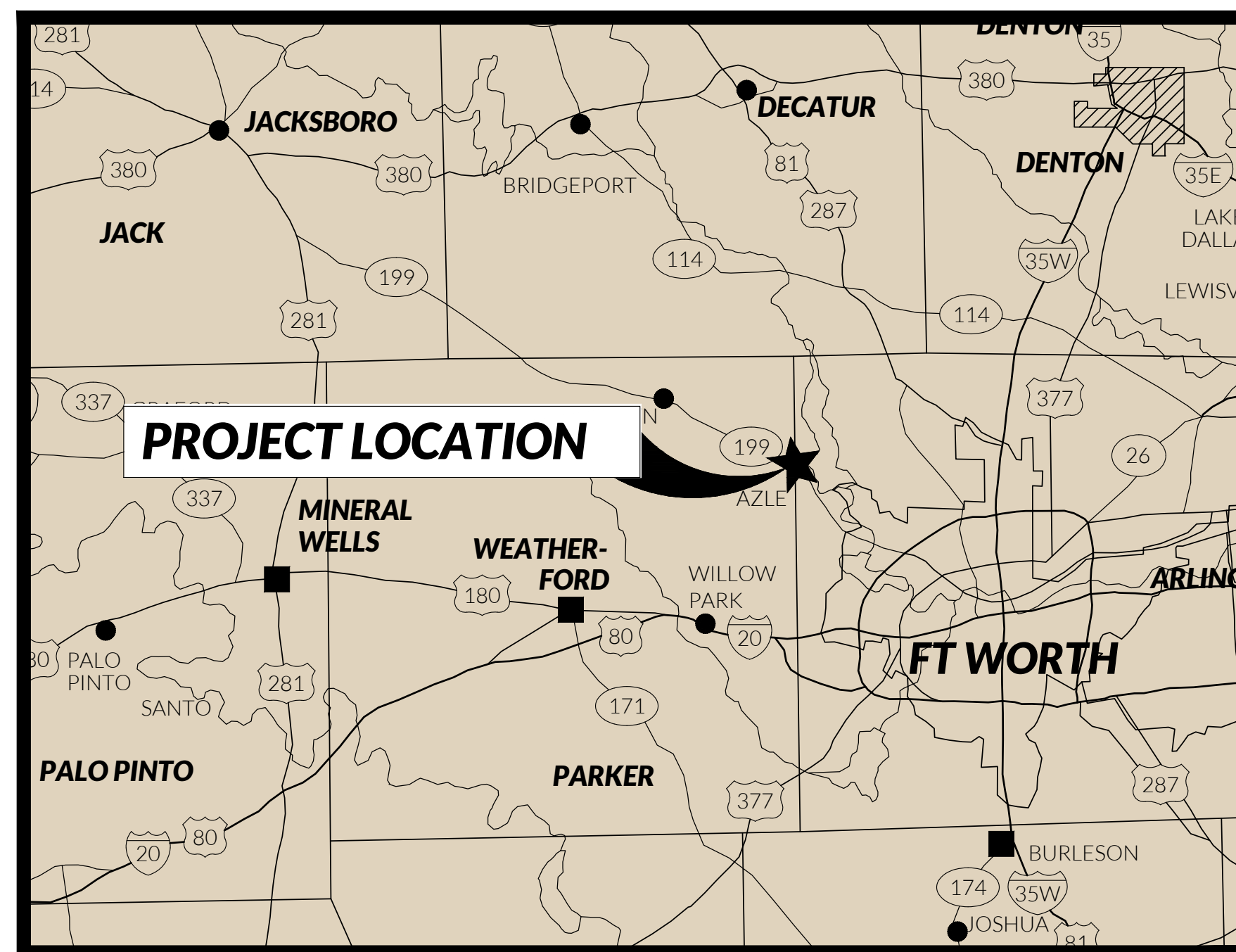
Prepared by:

**JACOB | MARTIN
TBPE Firm No. 2448**

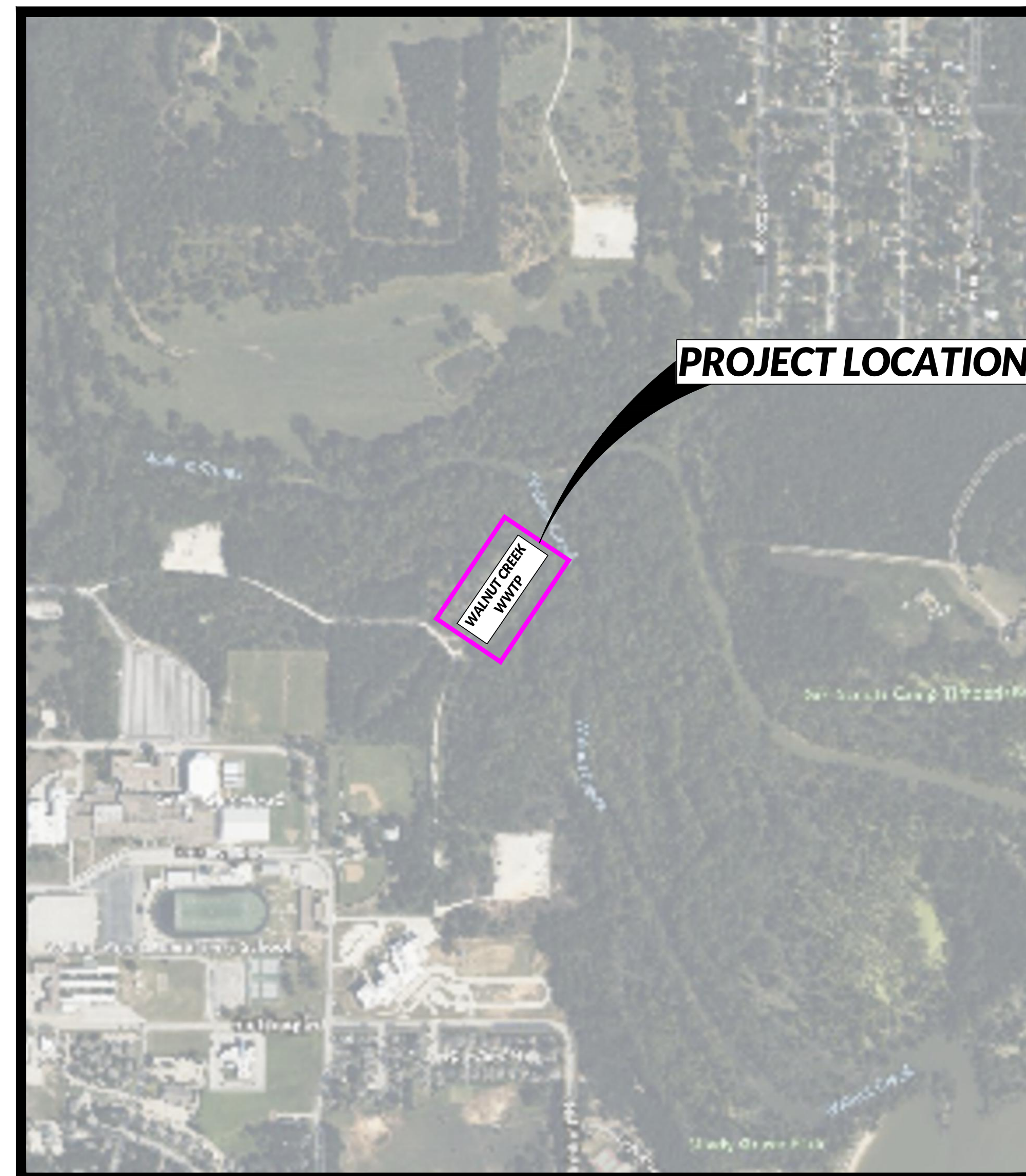
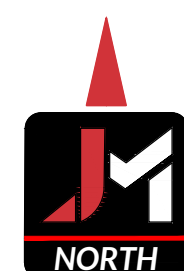
PLANS FOR CITY OF AZLE, TEXAS WALNUT CREEK LIFT STATION UPGRADES DECEMBER 2024

REVISIONS:	
DESCRIPTION	DATE
ADDENDUM NO. 1	01/14/2025

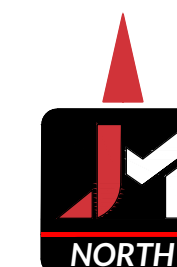
SHEET INDEX	
Sheet Number	Sheet Title
C-01	COVER SHEET
C-02	NOTES
C-03	EXISTING SITE PLAN
C-04	DEMO PLAN
C-05	PROPOSED SITE FOUNDATION PLAN
C-06	LIFT STATION IMPROVEMENTS
C-07	SECTIONS AND DETAILS
C-08	PACKAGE LIFT STATION DETAILS
E-01	ELECTRICAL GENERAL NOTES, DETAILS, AND SCHEDULES
E-02	ELECTRICAL SITE PLAN
E-03	ELECTRICAL RISER DIAGRAM
E-04	ELECTRICAL PANEL SCHEDULES
E-05	ELECTRICAL STAND DETAILS



VICINITY MAP
NTS



PROJECT LOCATION MAP
SCALE: 1"=1,000'



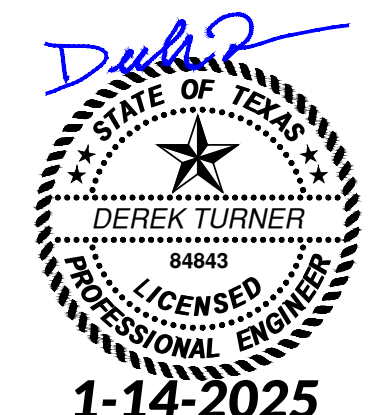
COUNCIL MEMBERS

- ALAN BRUNDRETT..... MAYOR
- RANDA GOODE..... MAYOR PRO TEM
- DERRICK NELSON..... AMY ESTES
- STACY PEEK..... ROUEL ROTHENBERGER
- BRIAN CONNER
- TOM MUIR..... CITY MANAGER
- RICK WHITE..... DIRECTOR OF PUBLIC SERVICES

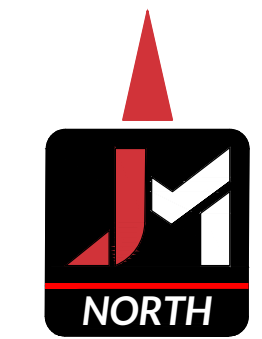


TBPE FIRM # 2448 | TBAE FIRM # BR 2261 | TBPES FIRM # 10194493

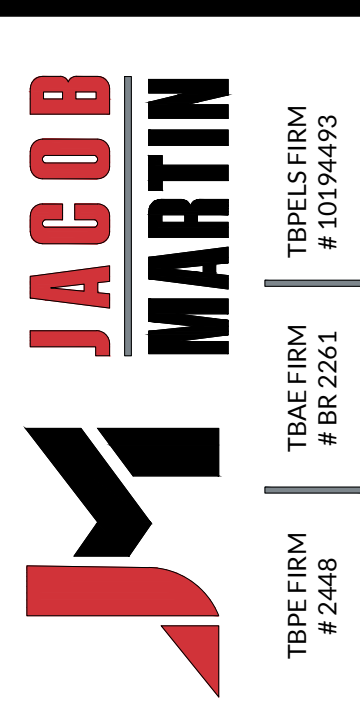
1925 FORT WORTH HIGHWAY
WEATHERFORD, TX 76086
817-594-9880



x:\C_Azle\24155 - walnut creek lift station - ozle\Drafting\Plans\C_Civil\24155_AWC_LS_SITE.dwg Saved By: ganow Save Time: 1/14/2025 10:47 AM Plotted by: gregory snow Plot Date: 1/14/2025 10:52 AM



EXERCISE C.A.R.E. :
 C...CALL 811 BEFORE YOU DIG
 A...ALLOW THE REQUIRED 48 HOURS
 R...RESPECT THE MARKS
 E...EXCAVATE WITH CAUTION



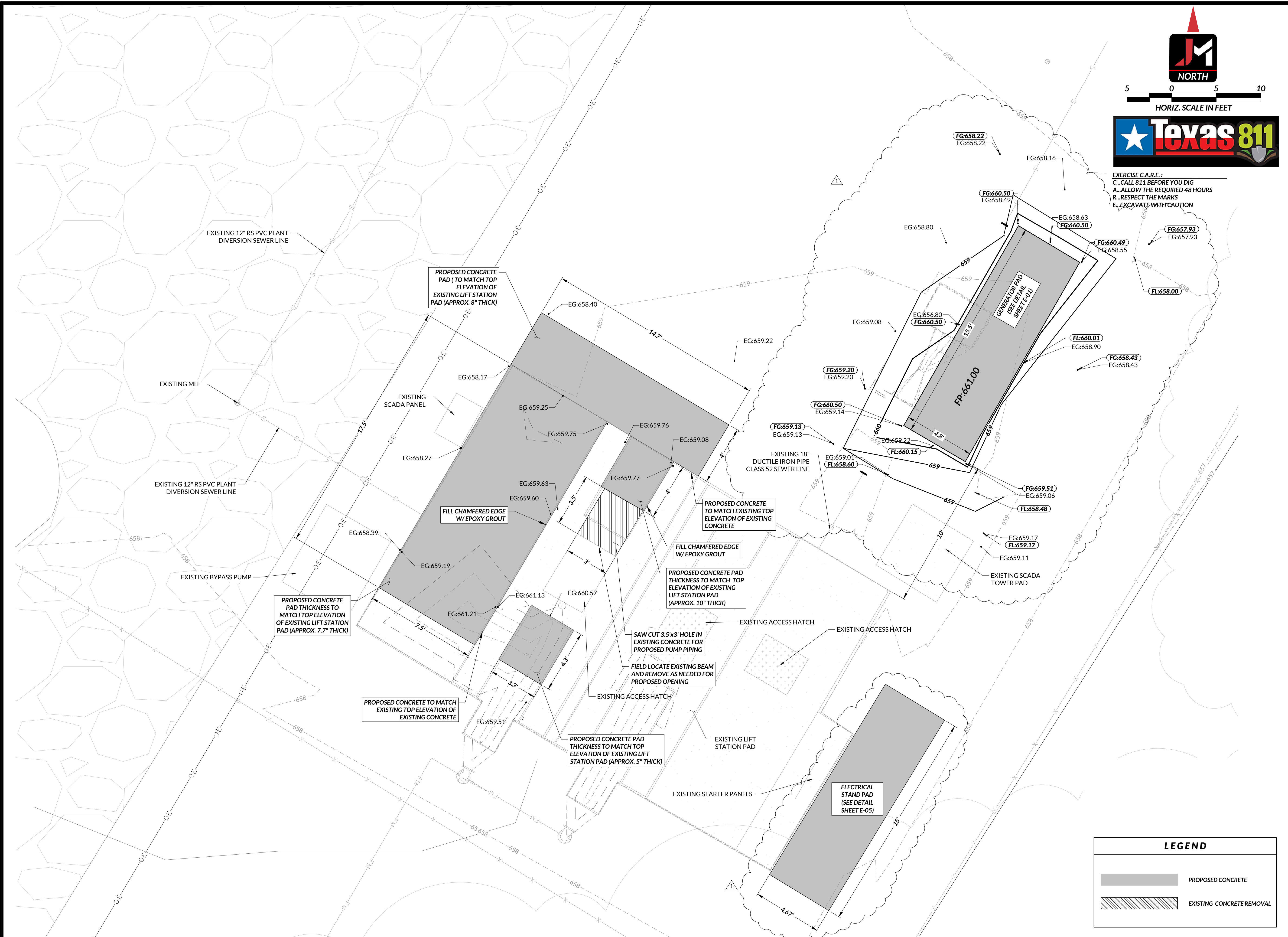
CITY OF AZLE, TEXAS
WALNUT CREEK LIFT STATION UPGRADES

EXISTING SITE PLAN

NO.	REVISION	DATE
1	ADDENDUM NO.1	01/14/2025
SEQ.	SHEET	
C-03	13	C-03

PROJECT # 23425
 SCALE 1" = 10'
 BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING.
 CHECK SCALE AND ADJUST ACCORDINGLY.

x:\C:\azle_24155 - walnut creek lift station - oza\Drafting\Plans\C:\azle_24155_AWC_LS_SITE.dwg Saved By: ganow Save Time: 1/14/2025 10:47 AM Plotted by: gregory snow Plot Date: 1/14/2025 10:52 AM



NORTH

5 0 5 10
HORIZ. SCALE IN FEET

Texas 811

EXERCISE C.A.R.E. :
C. CALL 811 BEFORE YOU DIG
A. ALLOW THE REQUIRED 48 HOURS
R. RESPECT THE MARKS
E. EXCAVATE WITH CAUTION

JACOB MARTIN

TBAE FIRM # BR-2261
TBE FIRM # 2448

TIBELS FIRM # 10194953

DEREK TURNER
LICENSED PROFESSIONAL ENGINEER
9888
1-14-2025
ISSUED FOR REVIEW

CITY OF AZLE, TEXAS
WALNUT CREEK LIFT STATION UPGRADES
PROPOSED SITE FOUNDATION PLAN

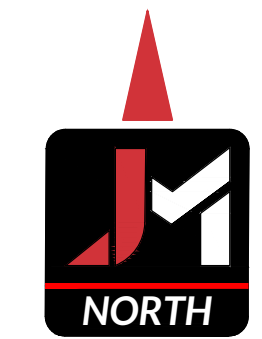
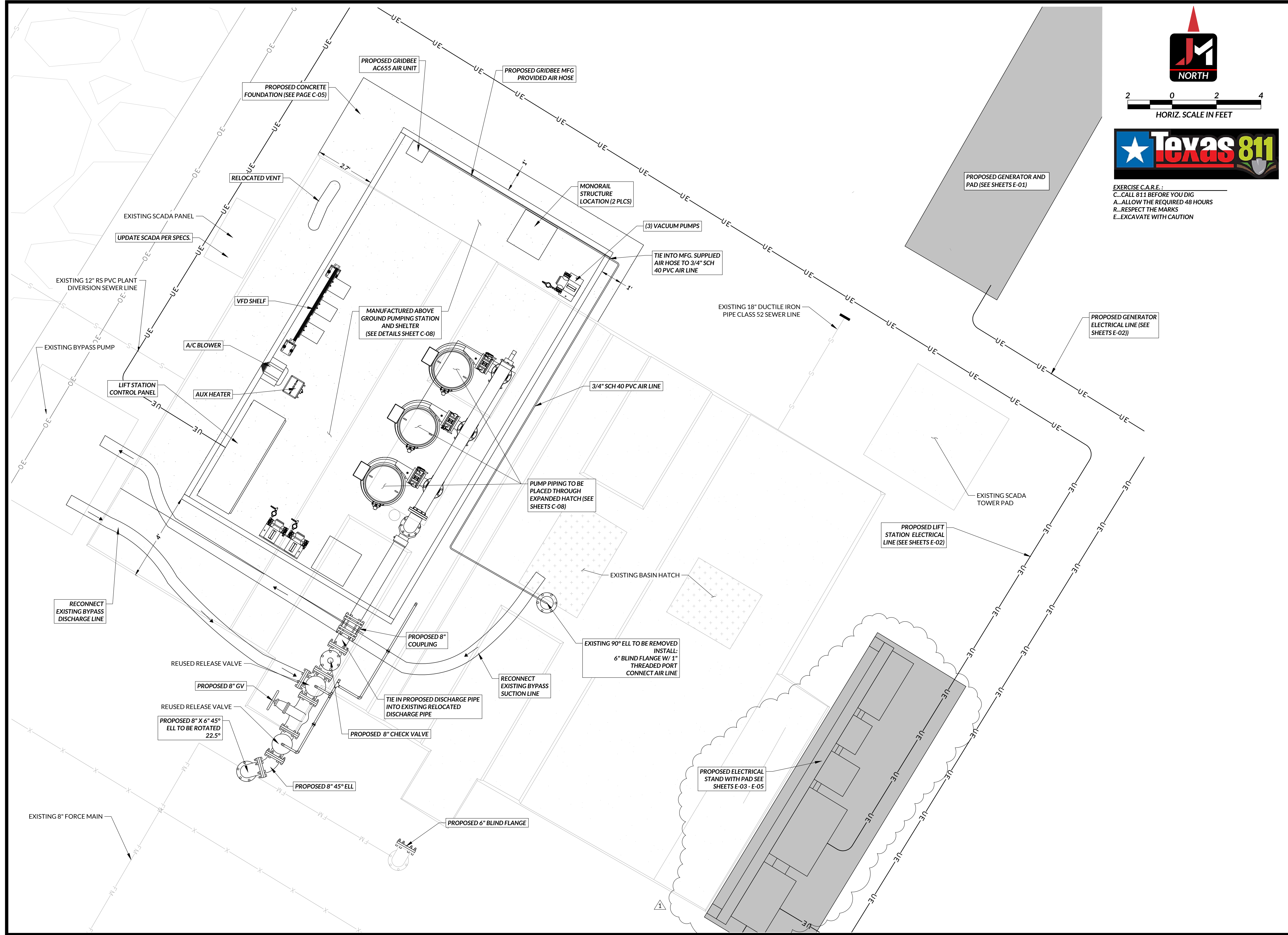
NO.	REVISION	DATE
1	ADDENDUM NO. 1	01/14/2025
SEQ.	SHEET	
C-05	13	C-05

PROJECT # 23425
SCALE 1" = 5'
BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING.
CHECK SCALE AND ADJUST ACCORDINGLY.

LEGEND

	PROPOSED CONCRETE
	EXISTING CONCRETE REMOVAL

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2 0 2 4
HORIZ. SCALE IN FEET



EXERCISE C.A.R.E. :
C...CALL 811 BEFORE YOU DIG
A...ALLOW THE REQUIRED 48 HOURS
R...RESPECT THE MARKS
E...EXCAVATE WITH CAUTION



CITY OF AZLE, TEXAS
WALNUT CREEK LIFT STATION UPGRADES
LIFT STATION IMPROVEMENTS

NO.	REVISION	DATE
1	ADDENDUM NO.1	01/14/2025
SEQ.	SHEET	
C-06	13	C-06

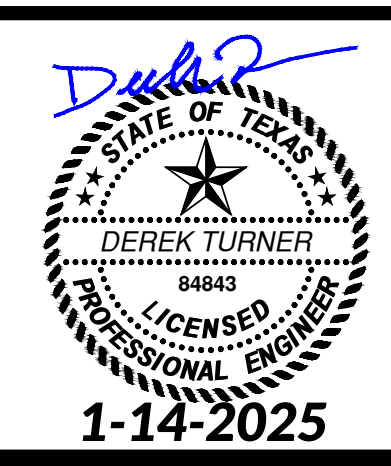
PROJECT # 23425
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CHECK SCALE AND ADJUST ACCORDINGLY.

Plot Date: 1/14/2025 10:54 AM

Save Time: 1/14/2025 10:42 AM

Saved By: gsnw

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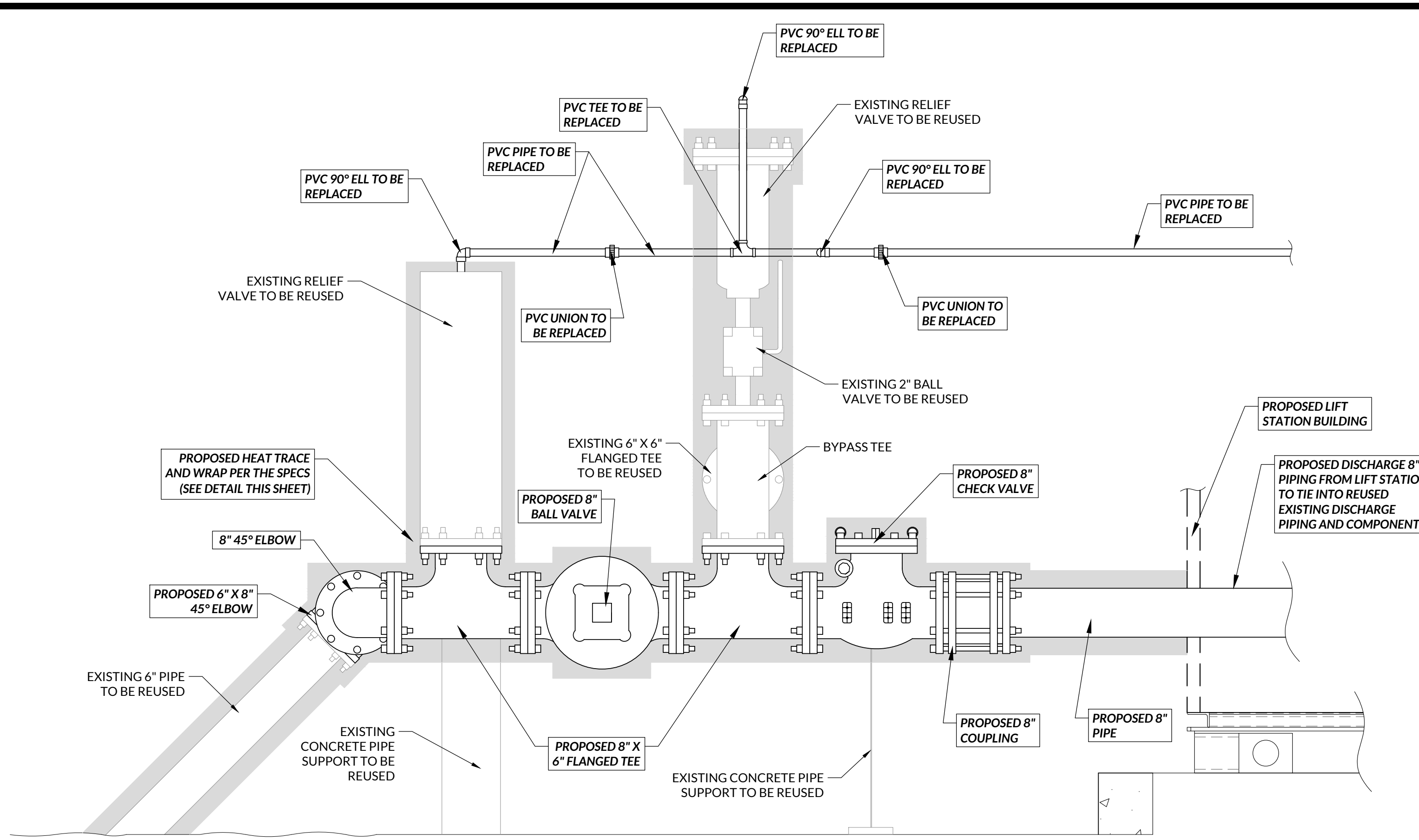
ISSUED FOR REVIEW



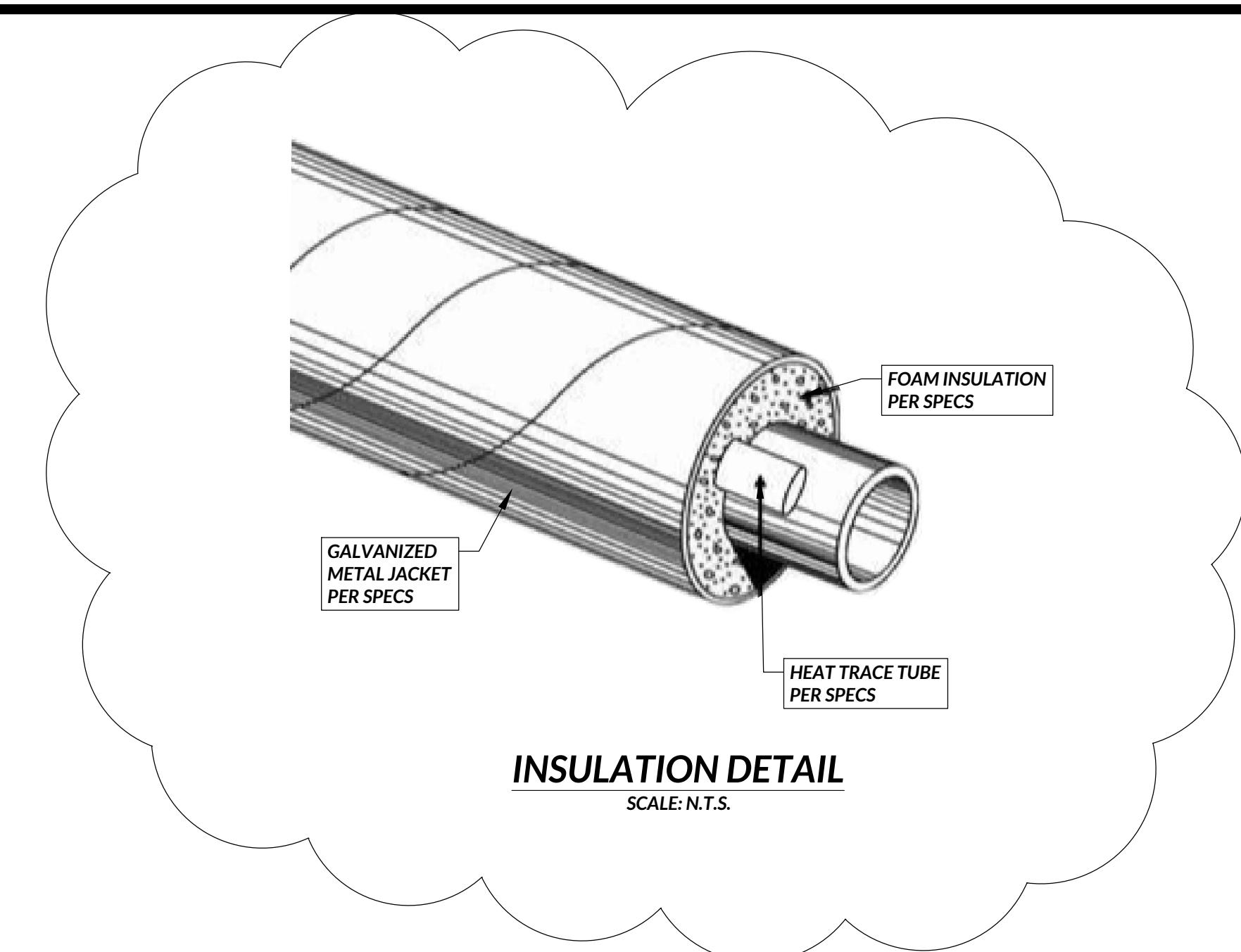
CITY OF AZLE, TEXAS
WALNUT CREEK LIFT STATION UPGRADES
SECTIONS AND DETAILS

NO.	REVISION	DATE	PROJECT #	SCALE
1	ADDENDUM NO. 1	01/14/2025	23425	N.T.S.

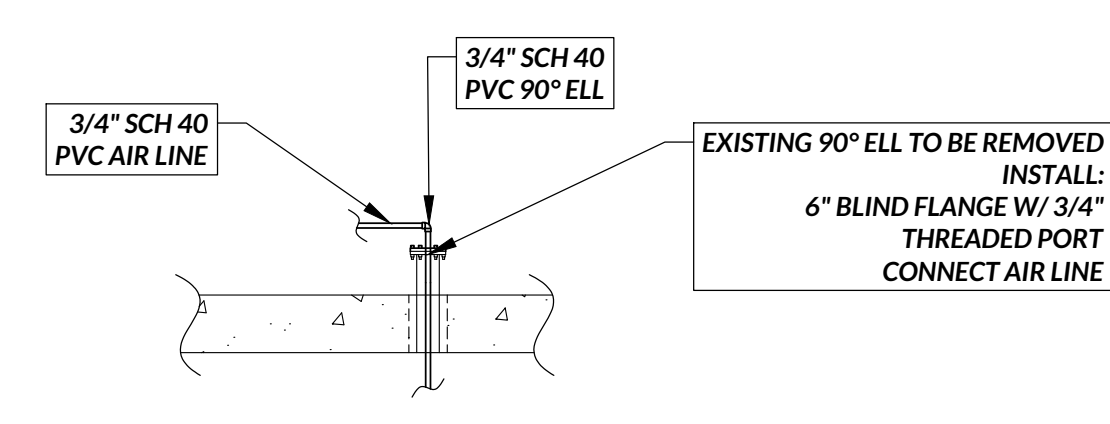
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CHECK SCALE AND ADJUST ACCORDINGLY.



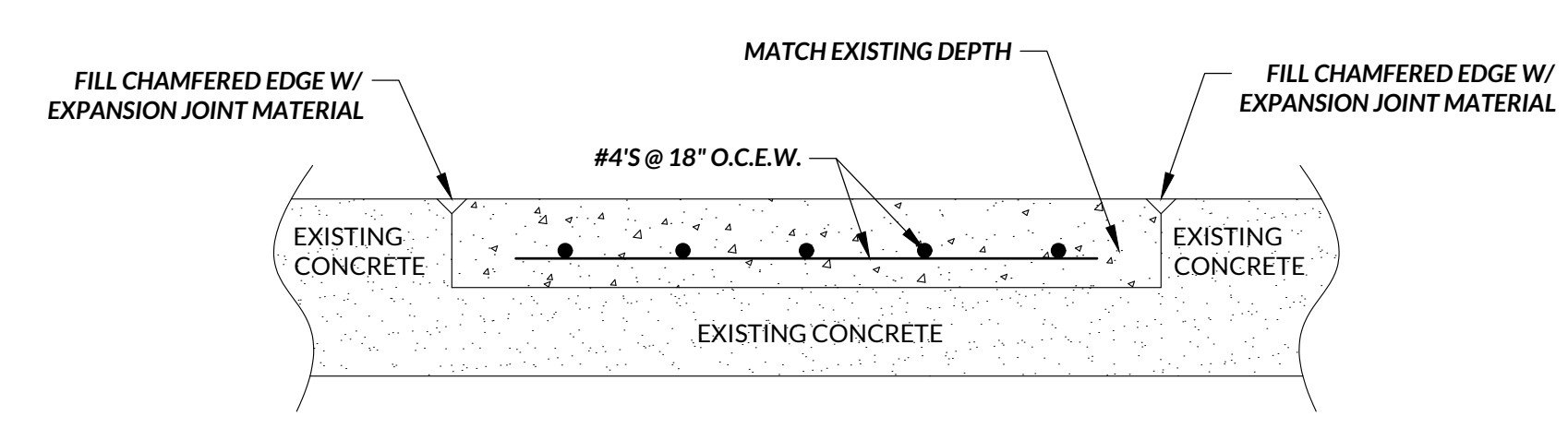
PIPING DETAIL
SCALE: 1" = 1"



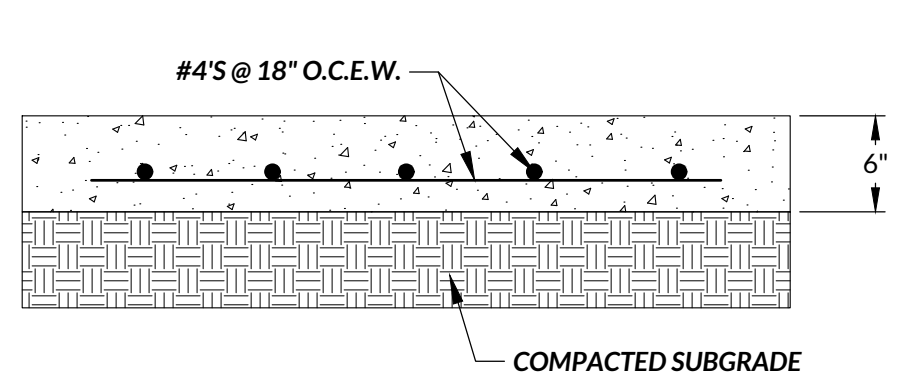
INSULATION DETAIL
SCALE: N.T.S.



AIR LINE PIPING DETAIL
SCALE: 1" = 5"

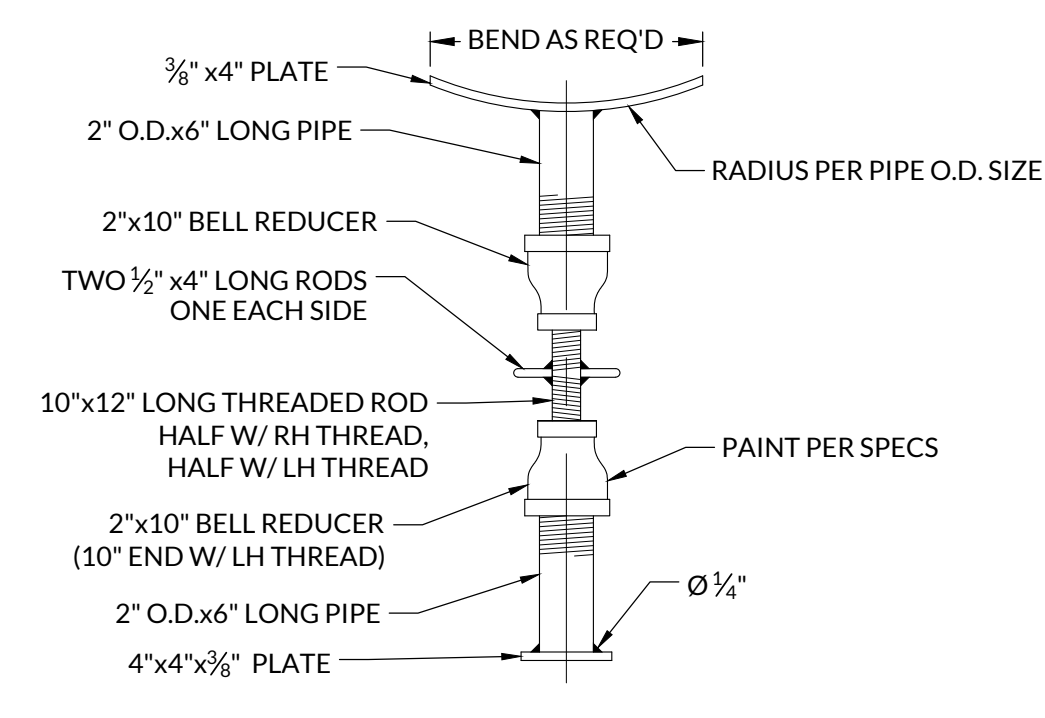


SLAB ON EXISTING CONCRETE
N.T.S.

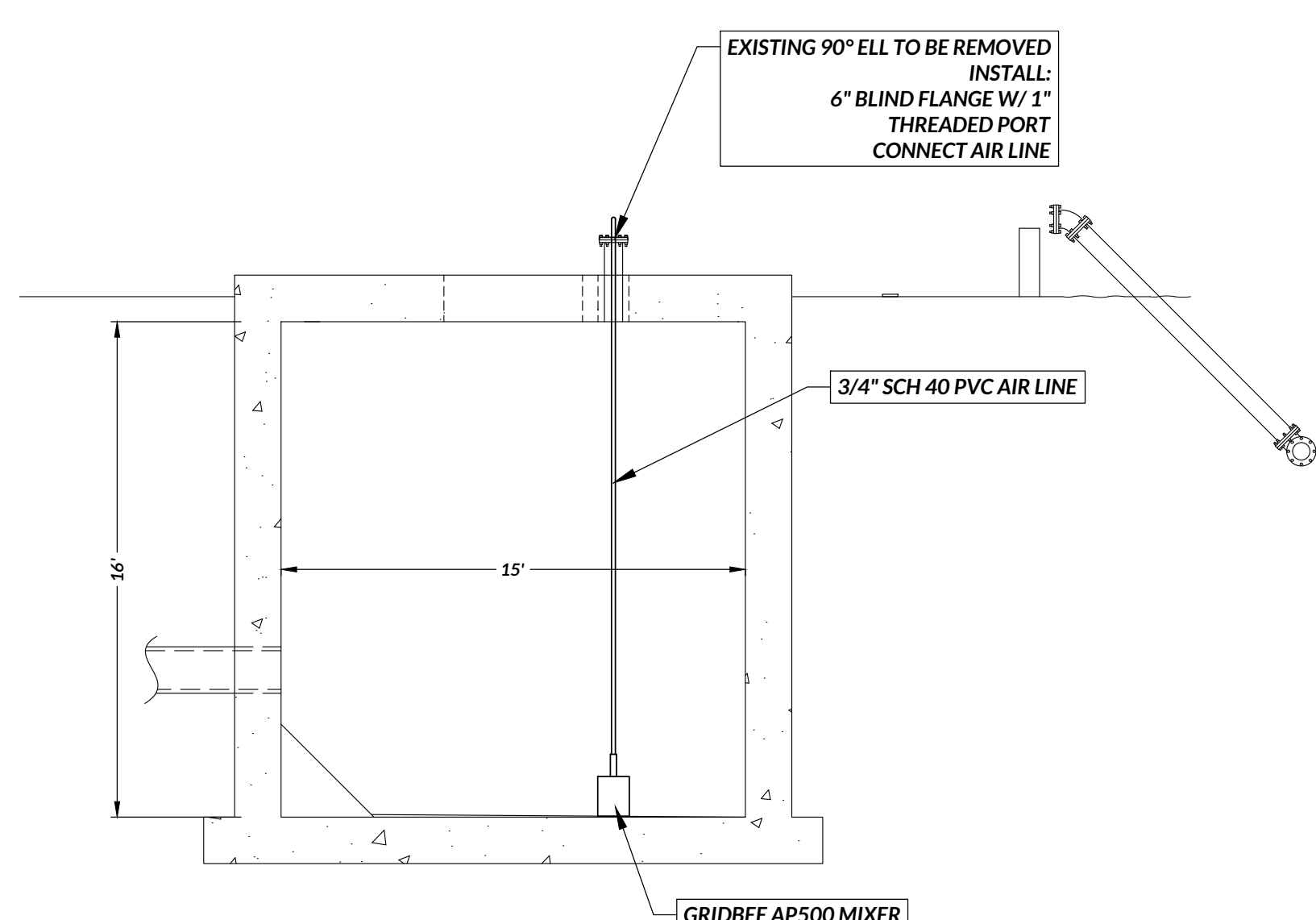


SLAB ON NATURAL GROUND
N.T.S.

TYPICAL CONCRETE SLAB SECTIONS



TYPICAL PIPE SUPPORT
N.T.S.



DIFFUSER DETAILS
SCALE: 1" = 5"

- NOTES:**
- GRID BEE AP500 MIXER AND AC655 AIR UNIT BY IXOM WATER CARE 866-437-8076

Plot Date: 1/14/2025 10:55 AM
Save Time: 1/14/2025 10:46 AM
Saved By: gario
x:\C:\azle\24155 - walnut creek lift station - oza\Drafting\Plans\C:\zha\24155_AWC_LS_ELECTRICAL_PLAN.dwg

NEW TCEC BUILDING MOUNTED METER #1555017678 IS TO BE REMOVED BY TCEC ONCE THE NEW SERVICE IS OPERATIONAL. CONTRACTOR IS TO DEMOLISH THE METER CAN, MAST, AND WEATHERHEAD.

CONTRACTOR IS TO VERIFY ADDITIONAL ELECTRICAL EQUIPMENT AND THE OTHER EXISTING ELECTRICAL SERVICE NOT SHOWN ON THESE PLANS AND ADJUST AS NECESSARY.

EXISTING WIRING AND CONDUIT FROM ATTS TO JUNCTION BOX IS TO BE DEMOLISHED.

EXISTING 480V, 3Ø, 300A ATTS IS TO BE REMOVED ONCE THE NEW SERVICE IS OPERATIONAL AND RETURNED TO THE OWNER.

EXISTING TCEC OVERHEAD 480V ELECTRICAL SECONDARY IS TO BE DEMOLISHED BY TEC ONCE THE NEW LIFT STATION IS OPERATIONAL.

EXISTING TCEC PRIMARY INLINE POLE WITH (3) TRANSFORMER BANK FOR EXISTING 480V, 3Ø, UNGROUNDED DELTA ELECTRICAL SERVICE TO BE DEMOLISHED BY TEC AFTER THE NEW LIFT STATION IS COMPLETE AND OPERATIONAL.

EXISTING TCEC OVERHEAD 3Ø ELECTRICAL PRIMARY IS TO REMAIN.

EXISTING WIRING AND CONDUIT FROM ATTS TO EXISTING LIFT STATION CONTROL PANEL IS TO BE DEMOLISHED. ABOVE GROUND CONDUIT IS TO BE DEMOLISHED AND BELOW GROUND CONDUIT IS TO BE ABANDONED IN PLACE.

2 SETS PARALLEL OF: (3) - 3/0 PHASE CONDUCTORS, (1) - 3/0 NEUTRAL CONDUCTOR, (1) - #2 AWG GROUND IN 2" CONDUIT FROM PANEL "MDP" TO LIFT STATION PUMP CONTROL PANEL.

1" CONDUIT AND CONTROL WIRING TO SCADA PANEL FOR GENERATOR CONTROLS. FULL CONDUIT ROUTE IS NOT SHOWN FOR GRAPHICAL PURPOSES. CONTRACTOR IS TO VERIFY CONDUIT ROUTE AND SIZE AND ADJUST AS NECESSARY.

(2) - #1 AWG PHASE CONDUCTORS, (1) - #1 AWG NEUTRAL CONDUCTOR, (1) - #8 AWG GROUND IN 1-1/2" CONDUIT FROM GENERATOR TO PANEL "A" FOR GENERATOR BRANCH CIRCUITS. FULL CONDUIT ROUTE IS NOT SHOWN FOR GRAPHICAL PURPOSES. CONTRACTOR IS TO VERIFY CONDUIT ROUTE AND SIZE AND ADJUST AS NECESSARY.

GENERATOR CONTROL WIRE FOR GENERATOR START AND PERMISSION TO STOP IN 3/4" CONDUIT TO THE ATTS. FULL CONDUIT ROUTE IS NOT SHOWN FOR GRAPHICAL PURPOSES. CONTRACTOR IS TO VERIFY CONDUIT ROUTE AND ADJUST AS NECESSARY.

2 SETS PARALLEL OF: (3) - 350 MCM PHASE CONDUCTORS, (1) - 350 MCM NEUTRAL CONDUCTOR, (1) - 1/0 GROUND IN 3" CONDUIT FROM ATTS TO NEW DIESEL GENERATOR

EXISTING SCADA PANEL TO BE MOVED TO THE NEW ELECTRICAL STAND AND BE UPDATED TO CONNECT TO PROPOSED GENERATOR AND PROPOSED LIFT STATION

NEW VFDS TO CONTROL THE 75 HP LIFT PUMPS PROVIDED AND INSTALLED BY OTHERS.

NEW LIFT STATION CONTROL PANEL CONTROLLING (3) 480V, 3Ø, 75 HP LIFT PUMPS PROVIDED AND INSTALLED BY OTHERS.

NEW STEP-DOWN TRANSFORMER FOR THE LIFT STATION PROVIDED AND INSTALLED BY OTHERS.

EXISTING SCADA PANEL TO BE MOVED TO THE NEW ELECTRICAL STAND.

NEW 208/120V, 3Ø, 100A PANEL "A"

NEW 480:208/120V, 3Ø, 30 KVA STEP-DOWN TRANSFORMER

NEW 480/277V, 3Ø, 600A PANEL "MDP"

NEW SERVICE RATED 480/277V, 3Ø, 600A ATTS. CONTRACTOR IS TO VERIFY IF THE ATTS CAN BE STAND MOUNTED AND ADJUST AS NECESSARY.

NEW ELECTRICAL STAND PROVIDED AND INSTALLED BY THE CONTRACTOR. REFERENCE ELECTRICAL STAND DETAIL SHEET E-05 FOR STAND MOUNTED LIGHTING. MORE DETAILS ON THE STAND, AND WIRE AND CONDUIT SIZES BETWEEN EQUIPMENT.

EXISTING LIFT STATION DUPLEX CONTROL PANEL IS TO BE DEMOLISHED BY THE CONTRACTOR.

NEW TCEC PAD MOUNTED TRANSFORMER FOR NEW 480/277V, 3Ø ELECTRICAL SERVICE. TRANSFORMER PAD IS TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR PER TCEC'S REQUIREMENTS. TCEC IS TO PROVIDE AND INSTALL THE TRANSFORMER. CONTRACTOR IS TO VERIFY THE TRANSFORMER LOCATION WITH TCEC AND ADJUST AS NECESSARY. CONTRACTOR IS TO COORDINATE WITH TCEC FOR ANY REQUIRED INSPECTIONS AND INSTALLATION OF THE ELECTRICAL PRIMARY PRIOR TO POURING THE TRANSFORMER PAD.

EXISTING TCEC OVERHEAD 3Ø ELECTRICAL PRIMARY IS TO REMAIN.

EXISTING TCEC PRIMARY 90 DEGREE POLE IS TO REMAIN.

NEW TCEC UNDERGROUND ELECTRICAL PRIMARY FROM EXISTING INLINE POLE TO NEW PAD MOUNT TRANSFORMER PROVIDED AND INSTALLED BY TCEC.

2 SETS PARALLEL OF: (3) - 350 MCM PHASE CONDUCTORS, (1) - 350 MCM NEUTRAL CONDUCTOR IN 3" CONDUIT FROM PAD MOUNTED TRANSFORMER TO ATTS. CONTRACTOR IS TO PROVIDE AND INSTALL A SPARE 3" CONDUIT WITH PULL ROPES FROM THE PAD MOUNT TRANSFORMER TO ATTS.

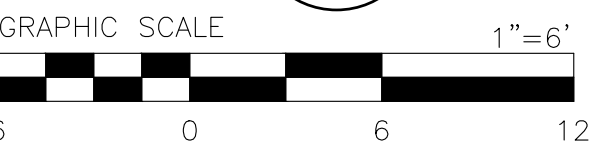
NEW TCEC ELECTRICAL CT METER PROVIDED AND INSTALLED BY TCEC.

SCADA NOTES:

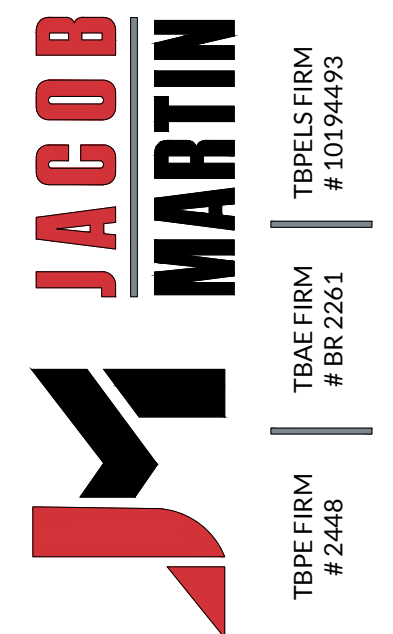
1. CONTRACTOR TO VERIFY WITH GENERATOR MANUFACTURERS ON SCADA REQUIREMENTS.
2. GENERATOR MANUFACTURER TO ENSURE GENERATOR IS EQUIPPED WITH FUEL LEVEL SENSOR & COMMUNICATION IS ESTABLISHED BETWEEN FUEL LEVEL SENSOR AND GENERATOR CONTROL BOARD OUTPUT.
3. GENERATOR/ATS MANUFACTURER TO ENSURE GENERATOR/ATS CONTROLLERS ARE WIRED PROPERLY AND COMMUNICATING THE PROPER OUTPUT PROTOCOL NECESSARY FOR SCADA SYSTEM INTEGRATION.
4. GENERATOR/ATS MANUFACTURER TO ENSURE CONNECTION PORTS ARE PROVIDED AND FULLY WIRED ON THE CONTROLLERS.

SCADA CONTROLS:

- GENERATOR SHALL BE EQUIPPED WITH THE FOLLOWING FUNCTIONALITY FOR FUTURE SCADA PROGRAMMING.
1. GENERATOR POWER STATUS (SCADA SYSTEM IS TO ALERT OPERATOR ANYTIME THE POWER SOURCE IS SWITCHED)
 2. GENERATOR FUEL LEVEL
 3. GENERATOR ALARMS
 4. RUN HOURS



ISSUED FOR REVIEW



CITY OF AZLE, TEXAS
WALNUT CREEK LIFT STATION UPGRADES

ELECTRICAL SITE PLAN

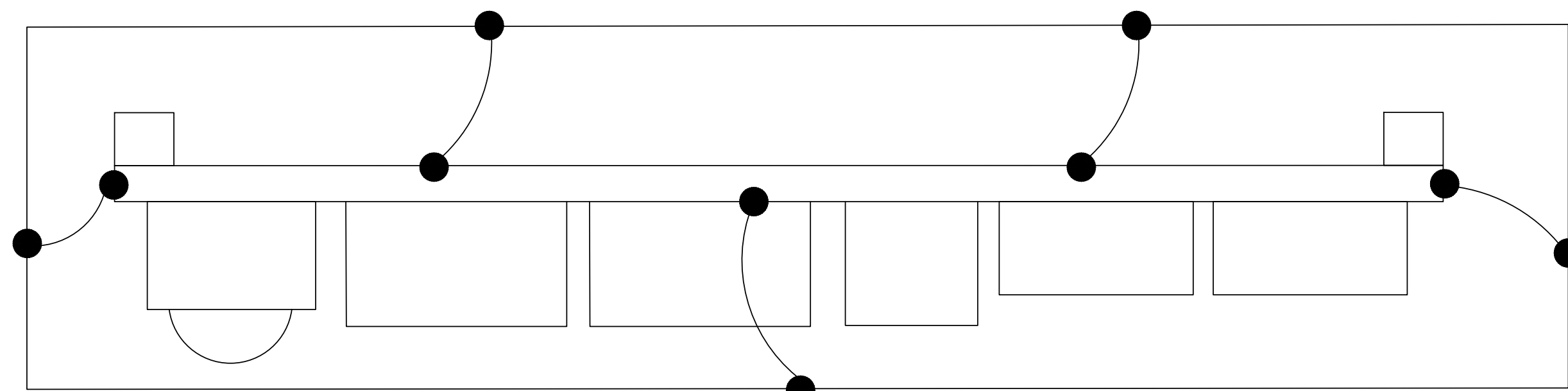
- NOTES:
1. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO REPAIR ANY DAMAGE TO UTILITIES OR STRUCTURES, WHETHER SHOWN ON THESE PLANS OR NOT.
 2. CONTRACTOR IS TO COORDINATE THE NEW ELECTRIC SERVICE WITH TRI-COUNTY ELECTRIC CO-OP (TCEC) AND PAY ANY COSTS REQUIRED BY THE UTILITY FOR THE NEW ELECTRICAL SERVICE. CONTACT PERSON FOR TCEC IS GREG HOOD, EMAIL: GHOOD@TCECTEXAS.COM, PHONE NUMBER: 817-734-4864.
 3. REFERENCE SHEET E-03 FOR ELECTRICAL RISER DIAGRAM OF THE LIFT STATION.
 4. CONTRACTOR TO MAINTAIN 3' WORKING SPACE IN FRONT OF ELECTRICAL EQUIPMENT PER NEC CODE.
 5. OUTLINE OF ATTS OPERATIONS:
 - WHEN THE ATTS DETECTS UNACCEPTABLE UTILITY POWER, THE ATTS WILL SEND A START SIGNAL TO THE STANDBY GENERATOR
 - WHEN THE ATTS DETECTS ACCEPTABLE GENERATOR POWER, THE ATTS WILL SWITCH THE LOAD TO THE GENERATOR POWER.
 - THE ATTS WILL STAY ON GENERATOR POWER IF THE UTILITY POWER IS UNACCEPTABLE.
 - IF THE UTILITY POWER IS ACCEPTABLE, THE ATTS WILL SWITCH TO UTILITY POWER AND SEND A PERMISSION TO STOP SIGNAL TO THE GENERATOR.
 6. REFERENCE GENERATOR PAD DETAIL SHEET E-01 AND SPECIFICATIONS FOR GENERATOR ANCHOR BOLT REQUIREMENTS.
 7. LIFT STATION GENERATOR TO BE BID WITH THE NORMAL WEATHER PROTECTED ENCLOSURE.
 8. CONTRACTOR TO VERIFY GENERATOR BRANCH CIRCUITS (BLOCK HEATER, BATTERY CHARGER, ETC.) TO PANEL "A" AND ADJUST BREAKERS, WIRING, AND CONDUIT AS NECESSARY PER NEC CODE.
 9. GENERATOR TO BE PROGRAMMED TO HAVE A WEEKLY 30 MINUTE TEST AT THE OWNER'S SELECTED DAY AND TIME.
 10. GENERATOR PAD LOCATION SHALL BE GRADED TO DRAIN AROUND AND AWAY FROM THE PAD WITHOUT PONDING.
 11. CONTRACTOR IS TO PROVIDE A GENERATOR SIZING REPORT WITH SUBMITTALS.
 12. CONTRACTOR SHALL SUPPLY DIESEL FUEL IN A QUANTITY SUFFICIENT FOR THE STARTUP PROCEDURE AS RECOMMENDED BY THE GENERATOR MANUFACTURER.
 13. CONTRACTOR IS TO VERIFY THE LIFT STATION CONTROL PANEL BREAKER SIZE WITH THE CONTROL PANEL MANUFACTURER AND ADJUST WIRING CONDUIT, AND BREAKER IN PANEL "MDP" AS NECESSARY PER NEC CODE.

NO.	REVISION	DATE
1	ADDENDUM NO. 1	01/14/2025

PROJECT # 24155
SCALE 1" = 6'
SHEET E-02
13

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING.
CHECK SCALE AND ADJUST ACCORDINGLY.

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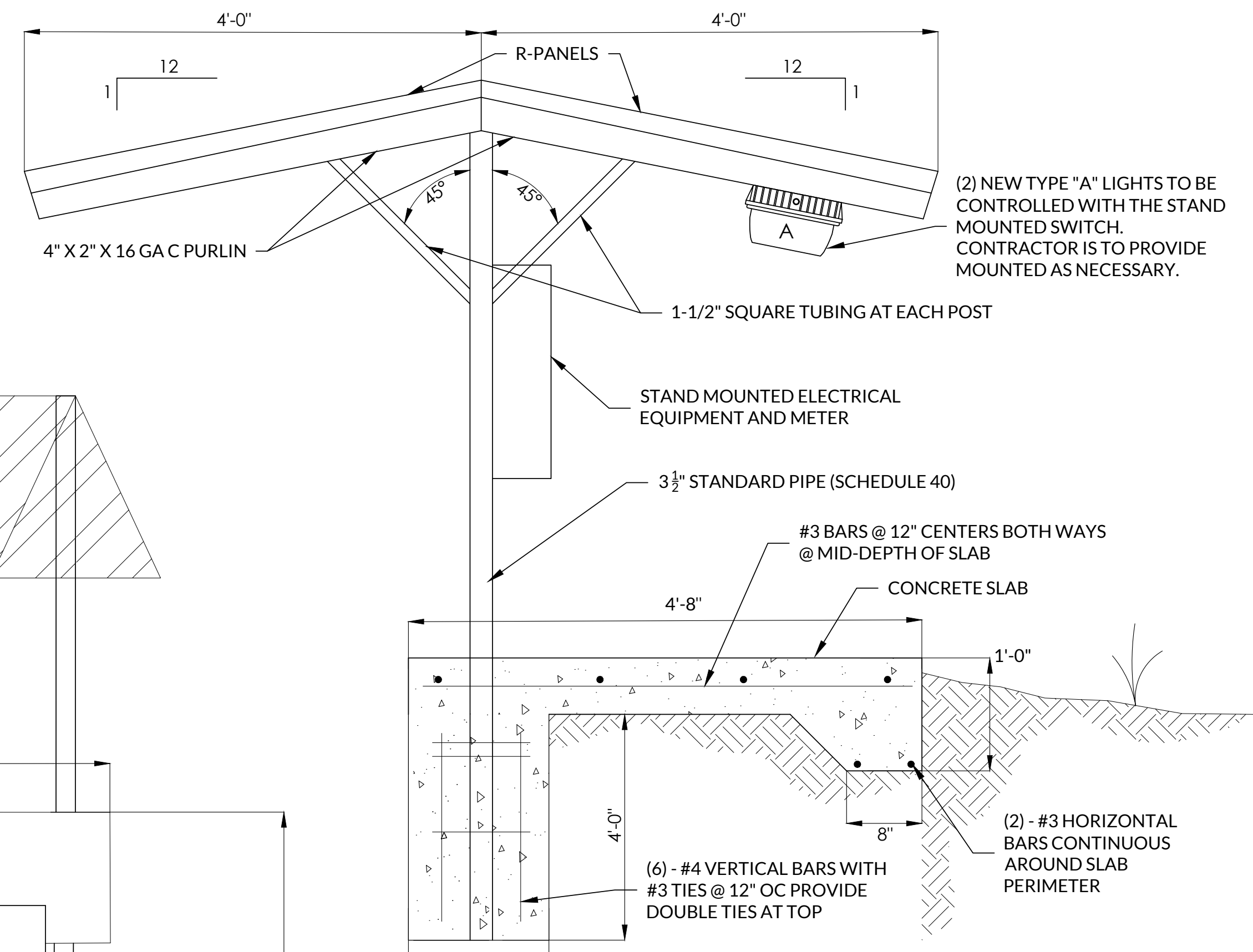


LEGEND

- GROUND CONNECTION
- 4/0 MCM BARE COPPER GROUNDING CONDUCTOR
- 2/0 MCM BARE COPPER GROUNDING CONDUCTOR

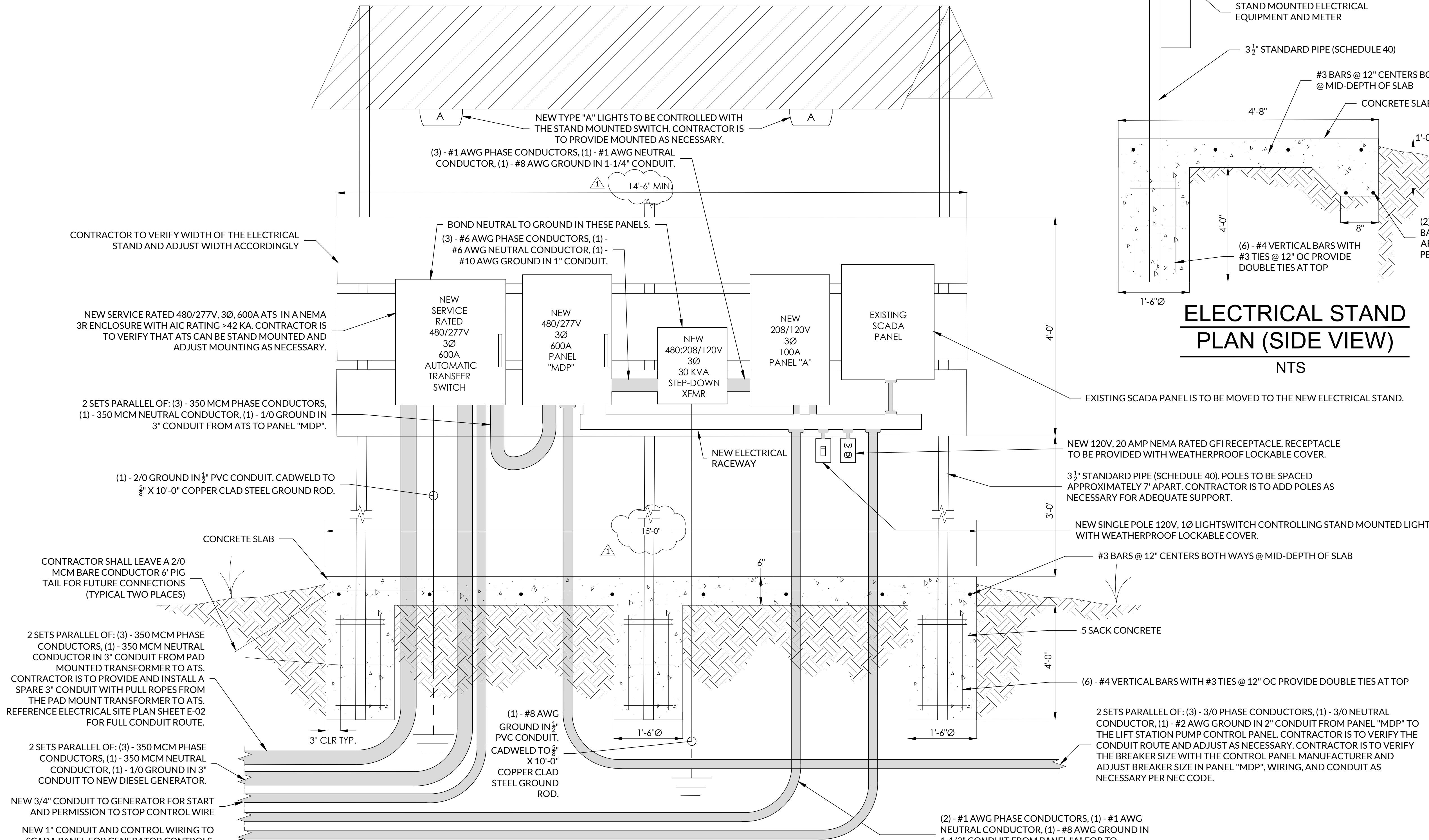
ELECTRICAL STAND GROUNDING PLAN

NTS



ELECTRICAL STAND PLAN (SIDE VIEW)

NTS



ELECTRICAL STAND PLAN

NTS

DEREK TURNER
 LICENSED PROFESSIONAL ENGINEER
 1-14-2025
 ISSUED FOR REVIEW

JACOB MARTIN
 TIBELS FIRM # 10194953
 TBAE FIRM # BR-2261
 TBE FIRM # 2448

CITY OF AZLE, TEXAS
WALNUT CREEK LIFT STATION UPGRADES
ELECTRICAL STAND DETAILS

NO.	REVISION	DATE	ADDENDUM NO.	PROJECT #	SCALE	BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING.	CHECK SCALE AND ADJUST ACCORDINGLY.
1		01/14/2025		24155	N.T.S.		
SEQ.			SHEET				
E-05			13			E-05	