

**CITY OF SALEM
EAST PUMP STATION PRV**

**DOCUMENT 00 90 00.2
ADDENDUM NO. 2**

PART 1 - GENERAL

- A. Receipt of this Addendum must be acknowledged by indicating acknowledgement on Document 00 40 00 Bid.

1.1 DOCUMENT INCLUDES

- A. Changes to drawings

1.2 CONSTRUCTION CONTRACT

- A. The Construction Contract is known as: **EAST PUMP STATION PRV**
- B. Date of this Addendum: January 30, 2026.

1.3 ENGINEER'S RESPONSE TO BIDDER QUESTIONS

- A. NONE

PART 2 – CHANGES

2.1 CHANGES TO PRIOR ADDENDA

- A. NONE

2.2 CHANGES TO INTRODUCTORY INFORMATION

- A. NONE

2.3 CHANGES TO BIDDING REQUIREMENTS

- A. NONE

2.4 CHANGES TO AGREEMENT AND OTHER CONTRACT FORMS

- A. NONE

2.5 CHANGES TO CONDITIONS OF THE CONTRACT

- A. NONE

2.6 CHANGES TO SPECIFICATIONS

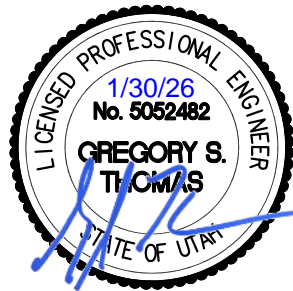
- A. NONE

2.7 CHANGES TO CONTRACT DRAWINGS

- A. Replace Drawing sheet G-2 with attached
- B. Replace Drawing sheet C-1 with attached
- C. Add drawing sheet C-6A
- D. Replace Drawing sheet C-7 with attached
- E. Replace Drawing sheet PP-1 with attached
- F. Replace Drawing sheet PP-2 with attached
- G. Replace Drawing sheet PP-3 with attached
- H. Replace Drawing sheet PP-4 with attached

THIS ADDENDUM IS HEREBY ATTACHED TO AND MADE A PART OF THE CONTRACT DOCUMENTS, AND EACH BIDDER SHALL ACKNOWLEDGE RECEIPT OF THIS ADDENDUM WITH THE BID.

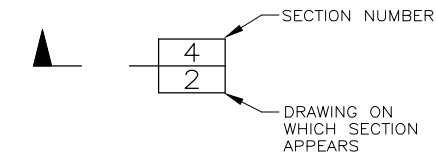
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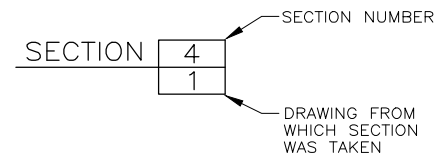
SECTION & DETAIL IDENTIFICATION

SECTION IDENTIFICATION

SECTION CUT ON DRAWING NO. 1:

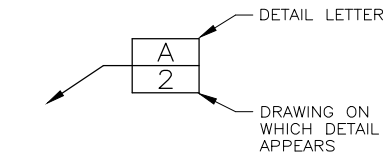


ON DRAWING NO. 2, THIS SECTION IS IDENTIFIED AS:

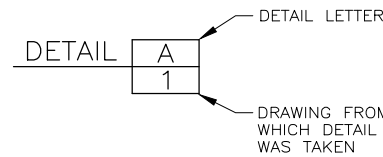


DETAIL IDENTIFICATION

DETAIL CALL-OUT ON DRAWING NO. 1:



ON DRAWING NO. 2, THIS DETAIL IS IDENTIFIED AS:



NOTES:

- IF SECTION CUT AND SECTION OR DETAIL CALL-OUT AND DETAIL ARE SHOWN ON SAME DRAWING, DRAWING NUMBER IS REPLACED BY A LINE.

LEGEND

---	PROPERTY LINES
--- P/E ---	PERMANENT EASEMENT LINES
---	SETBACK LINES
--- FD-UG ---	EXISTING BURIED FIBER OPTICS LINE
--- T-UG ---	EXISTING BURIED TELEPHONE LINE
--- P-UG ---	EXISTING BURIED ELECTRIC LINE
--- 4-G ---	EXISTING GAS LINE W/ DIAMETER
--- 12-W ---	EXISTING WATER LINE W/ DIAMETER
--- 8-SS ---	EXISTING SEWER LINE W/ DIAMETER
--- 15-SD ---	EXISTING STORM DRAIN LINE W/ DIAMETER
--- 14-IRR ---	EXISTING IRRIGATION LINE W/ DIAMETER
--- WS --- WS --- WS ---	EXISTING WATER SERVICE
~~~~~	ABANDONED PIPELINE
=====	NEW POWER/STORM DRAIN/IRRIGATION LINE/NATURAL GAS
	EDGE OF ASPHALT
○	MANHOLE
⊗	WATER VALVE
⊗	FIRE HYDRANT
▬	INLET
□	JUNCTION BOX
■	SURVEY MONUMENT

ABBREVIATIONS

CLR = CLEARANCE	OHP = OVERHEAD POWER LINE
COR = CORNER	PI = PRESSURIZED IRRIGATION
DIA = DIAMETER	PSI = POUNDS PER SQUARE INCH
DIP = DUCTILE IRON PIPE	PVC = POLYVINYL CHLORIDE
EL = ELEVATION	ROW = RIGHT OF WAY
FL = FLOW LINE	HP = HIGH PRESSURE
FLG = FLANGE	SQ = SQUARE
ID = INSIDE DIAMETER	SS = STAINLESS STEEL
MAX = MAXIMUM	STA = STATION
MIN = MINIMUM	THD = THREAD
MJ = MECHANICAL JOINT	TYP = TYPICAL
NTS = NOT TO SCALE	UBC = UNTREATED BASE COURSE

INDEX OF DRAWINGS

SHEET NO. GENERAL

- G-1 COVER SHEET
- G-2 NOTES, LEGEND & INDEX OF DRAWINGS
- G-3 SALEM CITY GENERAL NOTES

CIVIL

- C-1 SITE PLAN
- C-2 PRV VAULT PLAN
- C-3 PRV VAULT SECTION I
- C-4 PRV VAULT SECTION II
- C-5 PRV VAULT FITTING, VALVE & METER SCHEDULES
- C-6 MISCELLANEOUS DETAILS
- C-6A MISCELLANEOUS DETAILS II
- C-7 TYPICAL STEEL PIPE DETAILS
- C-8 SALEM CITY DETAILS I
- C-9 SALEM CITY DETAILS II

PLAN & PROFILES

- PP-1 10" WSP/DIP STA 10+00 TO STA 10+46.24
- PP-2 12" PVC PIPELINE STA 20+00 TO STA 20+99.67
- PP-3 6" DIP STA 30+00 TO STA 30+24.31
- PP-4 24" DIA RCP STA 40+09.41 TO STA 41+36.88

STRUCTURAL

- S-1 GENERAL STRUCTURAL NOTES
- S-2 SPECIAL INSPECTIONS SCHEDULES
- S-3 VALVE VAULT FOUNDATION & ROOF PLANS
- S-4 VALVE VAULT SECTIONS
- S-5 MISCELLANEOUS DETAILS

ELECTRICAL

- E-1 SYMBOL LEGEND
- E-2 PANEL SCHEDULES
- E-3 SITE PLAN
- E-4 PRV VAULT POWER PLAN
- E-5 PRV VAULT CONTROL PLAN
- E-6 PRV VAULT GROUNDING PLAN
- E-7 PRV VAULT LIGHTING PLAN
- E-8 DETAILS I
- E-9 DETAILS II
- E-10 DETAILS III

MISCELLANEOUS

- 104 ROOM NUMBER
- D1 DOOR NUMBER
- W1 WINDOW NUMBER
- M-1 METER SCHEDULE
- P-1 PUMP SCHEDULE
- V-1 VALVE SCHEDULE
- FE-X NEW FIRE EXTINGUISHER TYPE (1, 2, 3, OR 4)
- CTS-1 CATHODIC TEST STATION
- ④ FITTING SCHEDULE
- ⓑ KEY NOTES
- A COORDINATE POINT
- ∅ DIAMETER
- ∠ ANGLE
- ⊕ CENTERLINE

GENERAL NOTES

- CONTRACTOR SHALL MEET ALL UTAH STATE DEPARTMENT OF ENVIRONMENTAL QUALITY AND U.S. EPA REQUIREMENTS WITH RESPECT TO THEIR RULES AND REGULATIONS.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED, AND SIGNS, BARRICADES, AND FLASHERS SHALL BE PLACED; SO AS TO COMPLY WITH OSHA, UTAH STATE INDUSTRIAL COMMISSION, LOCAL SAFETY STANDARDS, AND MANUAL ON UNIFORM TRAFFIC CONTROL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, INCLUDING WATERLINES, IRRIGATION DRAIN LINES, TELEPHONE CABLES, GAS LINES, AND ANY OTHER OBSTRUCTION DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN RIGHTS OF INGRESS AND EGRESS SHOULD THEY VENTURE ONTO PRIVATE PROPERTY WHICH IS NOT INCLUDED IN OWNER ACQUIRED RIGHTS-OF-WAY AND EASEMENTS.
- UNLESS DETAILED, SPECIFIED OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS OR IN SPECIFIC DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING IMPROVEMENTS DURING CONSTRUCTION AND SHALL REPLACE OR RESTORE ANY IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION ACTIVITY AS DIRECTED BY ENGINEER.
- THIS PROJECT IS LOCATED WITHIN SALEM CITY LIMITS. CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS AND APPROVALS FROM THE APPLICABLE AGENCY AND SHALL COMPLY WITH THE GOVERNING AGENCY REGULATIONS FOR TRAFFIC CONTROL, SAFETY, EXCAVATION & BACKFILL IN CITY RIGHTS OF WAY, ETC.
- CONTRACTOR SHALL OBTAIN A GENERAL CONSTRUCTION (STORM WATER UPDES) PERMIT (GCP) BY SUBMITTING A NOTICE OF INTENT (NOI) TO THE UTAH DEQ REQUESTING AUTHORIZATION FOR COVERAGE AND PAY ALL APPLICABLE FEES. PROVIDE ENGINEER A COPY OF THE PERMIT INCLUDING THE PROJECT ID NUMBER. CONTRACTOR SHALL RENEW THE PERMIT IF THE PROJECT DURATION IS MORE THAN ONE (1) YEAR. AT THE COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION TO DEQ TO TERMINATE COVERAGE.
- THESE DRAWINGS MAY REFERENCE THE APWA STANDARD 2017 SPECIFICATIONS AND PLANS AS PUBLISHED BY UTAH T2 CENTER AND SALEM CITY STANDARDS WHICH ARE INCORPORATED HEREIN BY REFERENCE. IN THE EVENT OF A CONFLICT THE MORE STRINGENT SHALL APPLY.

WATER PIPELINE NOTES

- CONTACT SALEM CITY AT LEAST 72 HOURS IN ADVANCE OF ALL WATER SHUTDOWNS.
- ALL DUCTILE OR CAST IRON PIPE AND ALL COMPRESSION COUPLINGS, MECHANICAL JOINTS, FLANGED JOINTS, VALVES, HYDRANTS AND FITTINGS INCLUDING TEES, WYES, ELBOWS, PLUGS, ETC. EXPOSED TO SOIL SHALL BE WRAPPED WITH 8 MIL THICK POLYETHYLENE FILM TUBE. ALL FITTINGS, VALVES AND EXPOSED NUTS & BOLTS SHALL BE LIBERALLY COATED WITH FM GREASE PRIOR TO WRAPPING. THE FILM SHALL BE HELD IN PLACE BY 2-INCH WIDE PLASTIC BACKED ADHESIVE TAPE POLYKEN NO. 900 OR SCOTCHRAP NO. 50 OR APPROVED EQUAL. THE TAPE SHALL BE INSTALLED TO TIGHTLY SECURE THE FILM TO THE PIPE. ENOUGH FILM SHALL BE USED TO OVERLAP ADJOINING SECTIONS OF FILM A MINIMUM OF ONE (1) FOOT. WRAP COLOR SHALL BE PURPLE.
- VALVES SHALL BE WRAPPED BY BRINGING THE WRAP ON THE ADJACENT PIPE OVER THE BELLS OR FLANGES OF THE VALVE AND SEALING WITH THE ADHESIVE TAPE. THE VALVE BODIES ARE THEN WRAPPED WITH A FLAT SHEET OF THE FILM PASSED UNDER THE VALVE BOTTOM AND BROUGHT UP AROUND THE BODY TO THE STEM AND FASTENED IN PLACE WITH THE ADHESIVE TAPE.
- ANY FITTINGS THAT REQUIRE CONCRETE BLOCKING SHOULD BE COMPLETELY WRAPPED PRIOR TO THE POURING OF THE CONCRETE THRUSTING BLOCK.
- POLYETHYLENE WRAP SHALL BE PROTECTED FROM THE SUN AND WEATHERING PRIOR TO USE. CARE SHALL BE EXERCISED DURING BACK FILLING OF THE PROTECTED AREAS TO PREVENT PUNCTURING OF THE FILM.
- MINIMUM COVER OVER TOP OF PIPE SHALL BE 3- FEET FOR PRESSURIZED IRRIGATION WATERLINES.
- CONTRACTOR TO PROVIDE TEMPORARY BLOW OFF VALVES & FITTINGS TO FLUSH NEW PIPELINES. PROVIDE PLAN TO OWNER FOR APPROVAL BEFORE BEGINNING CONSTRUCTION. TEMPORARY BLOWOFF & FITTINGS SHALL BE REMOVED PRIOR TO PUTTING NEW LINE INTO SERVICE.
- PROVIDE CONCRETE THRUST BLOCKS AND JOINT RESTRAINTS ON ALL BENDS, FITTINGS, AND VALVES UNLESS INDICATED OTHERWISE.
- ELEVATIONS OF EXISTING UTILITIES ARE UNKNOWN. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES A MIN OF 200- FEET IN ADVANCE OF CONNECTIONS TO VERIFY LOCATION AND ELEVATION. MODIFICATIONS MAY BE REQUIRED, BASED ON THE INFORMATION OBTAINED.

SURVEY CONTROL NOTES

- STATIONING, CURVE DATA, AND STRAIGHT SECTIONS AS LISTED ARE GRID DISTANCES. HORIZONTAL AND VERTICAL CONTROL IS BASED ON NAD 83, STATE PLANE, UTAH CENTRAL COORDINATE SYSTEM.  
 HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)  
 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1968 (NAVD88)  
 COORDINATE SYSTEM: US STATE PLANE 1983, (2011) UTAH CENTRAL ZONE 4302  
 EPOCH DATE: 2010  
 PROJECT UNITS: US SURVEY FOOT  
 COMBINED SCALE FACTOR: 1.0003169083  
 SCALE LOCATION: 0,0  
 FALSE NORTHING: 7,000,000.00  
 FALSE EASTING: 1,000,000.00  
 PROJECT HEIGHT: 4720.00  
 GEOID MODEL: GEOID12A  
 CONVERSIONS  
 STATE PLANE NORTHING = (PROJECT NORTHING + 7,000,000) / 1.0003169083

FILE NAME: PROJECTS\406 - SALEM CITY\17.100 - EAST PUMP STATION PRV\CAD\G-2 NOTES, LEGEND & INDEX - R1.DWG  
FILE DATE: 1-30-2026 13:32:49 (GMT)

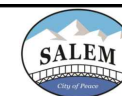


DESIGNED	GST	3		
DRAFTED	EPY	2	01/26	ADDENDUM 2
CHECKED	MMC	1	12/19/25	ISSUED FOR BID
DATE	DECEMBER 2025	NO.	DATE	

NO.	DATE	REVISIONS	BY	APVD.

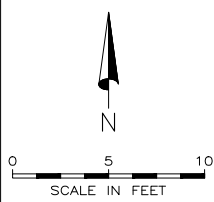
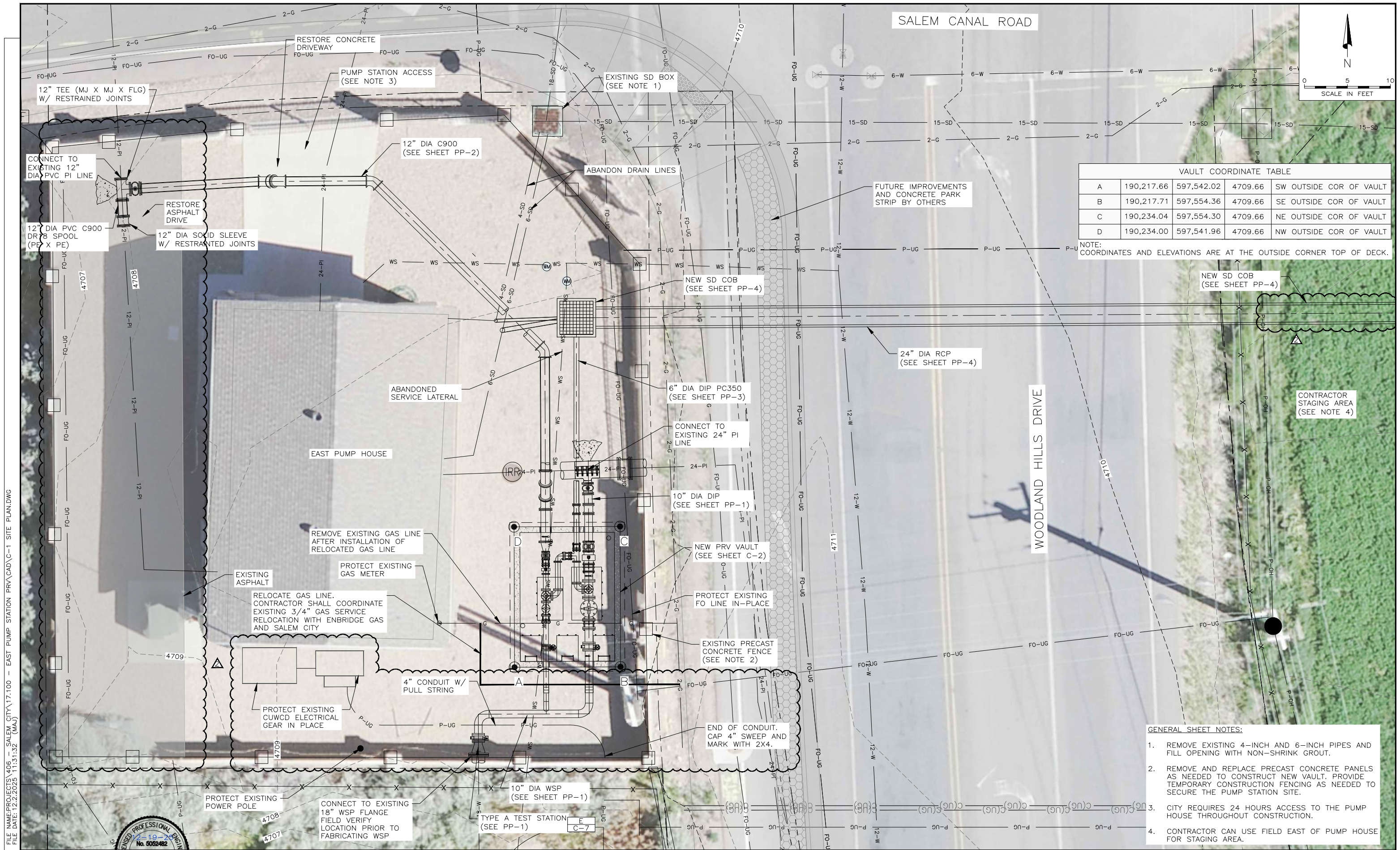
SCALE  
NONE

CITY OF SALEM  
30 WEST 100 SOUTH  
SALEM, UTAH 84653



EAST PUMP STATION PRV  
GENERAL  
NOTES, LEGEND & INDEX OF DRAWINGS

SHEET  
G-2  
406.17.100



VAULT COORDINATE TABLE

	A	B	C	D
190,217.66	597,542.02	4709.66	SW OUTSIDE COR OF VAULT	
190,217.71	597,554.36	4709.66	SE OUTSIDE COR OF VAULT	
190,234.04	597,554.30	4709.66	NE OUTSIDE COR OF VAULT	
190,234.00	597,541.96	4709.66	NW OUTSIDE COR OF VAULT	

NOTE: COORDINATES AND ELEVATIONS ARE AT THE OUTSIDE CORNER TOP OF DECK.

- GENERAL SHEET NOTES:
1. REMOVE EXISTING 4-INCH AND 6-INCH PIPES AND FILL OPENING WITH NON-SHRINK GROUT.
  2. REMOVE AND REPLACE PRECAST CONCRETE PANELS AS NEEDED TO CONSTRUCT NEW VAULT. PROVIDE TEMPORARY CONSTRUCTION FENCING AS NEEDED TO SECURE THE PUMP STATION SITE.
  3. CITY REQUIRES 24 HOURS ACCESS TO THE PUMP HOUSE THROUGHOUT CONSTRUCTION.
  4. CONTRACTOR CAN USE FIELD EAST OF PUMP HOUSE FOR STAGING AREA.

FILE NAME: PROJECTS\406 - SALEM CITY\17.100 - EAST PUMP STATION PRV\CAD\C-1 SITE PLAN.DWG  
 FILE DATE: 12/22/2025 11:31:32 (WMA)



DESIGNED	GST	3		
DRAFTED	EPY	2	01/26	ADDENDUM 2
CHECKED	MMC	1	12/19/25	ISSUED FOR BID
DATE	DECEMBER 2025	NO.	DATE	

REVISIONS

NO.	DATE	BY	APVD.

SCALE AS SHOWN

CITY OF SALEM  
 30 WEST 100 SOUTH  
 SALEM, UTAH 84653

EAST PUMP STATION PRV  
 CIVIL  
 SITE PLAN

SHEET C-1  
 406.17.100

FILE NAME: PROJECTS\406 - SALEM CITY\17.100 - EAST PUMP STATION PRV\CAD\C-6A MISC DETAILS II.DWG  
 FILE DATE: 1/28/2026 10:36:11 (EP)

10/27



DESIGNED	GST	3	
DRAFTED	EPY	2	01/26
CHECKED	MMC	1	12/19/25
DATE	DECEMBER 2025	NO.	DATE

ADDENDUM 2  
 ISSUED FOR BID

REVISIONS

BY APVD.

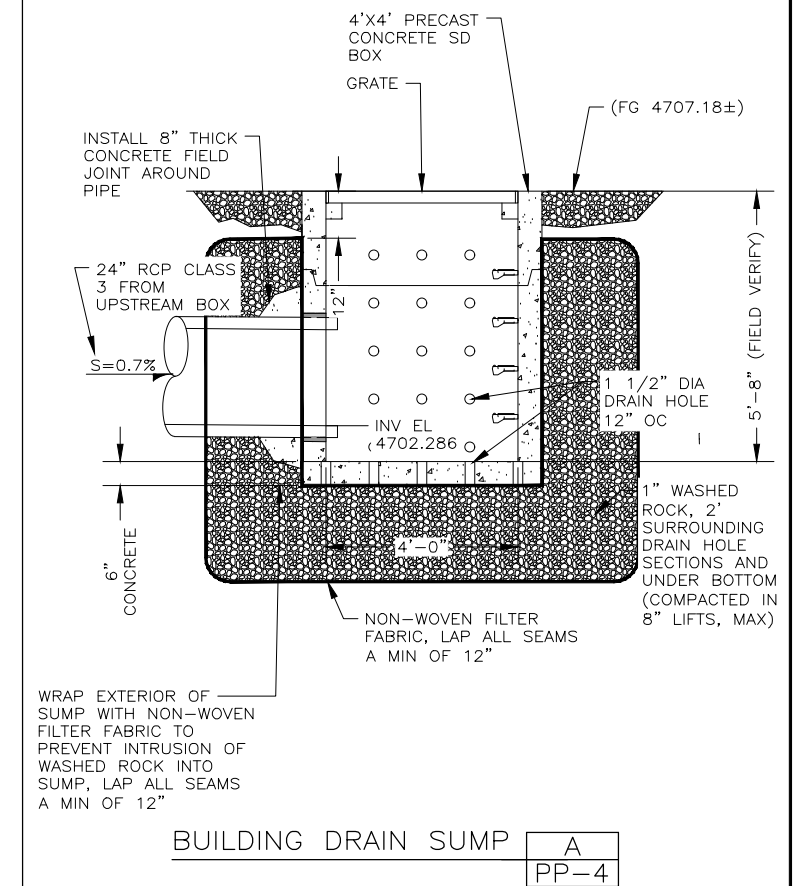
SCALE  
 NOT  
 TO  
 SCALE

CITY OF SALEM  
 30 WEST 100 SOUTH  
 SALEM, UTAH 84653

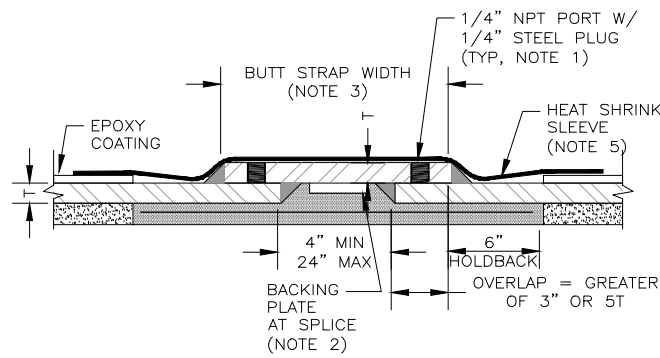


EAST PUMP STATION PRV  
 CIVIL  
 MISCELLANEOUS DETAILS II

SHEET  
 C-6A  
 406.17.100



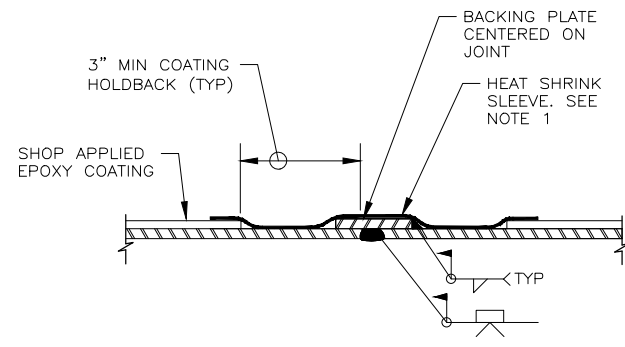
FILE NAME: PROJECTS\406 - SALEM CITY\17.100 - EAST PUMP STATION PRV\CAD\C-7 TYP STEEL PIPE DETAILS.DWG  
FILE DATE: 1/30/2026 13:31:22 (JAT)



**DETAIL NOTES:**

1. JOINT SHALL BE TESTED VIA AIR/SOAP SOLUTION TEST AT 40 PSI AIR PRESSURE IN ACCORDANCE WITH SECTION 40 05 13.13 IN ADDITION TO DYE PENETRANT OR MAGNETIC PARTICLE TESTING. IF LEAKS ARE DETECTED, REPAIR AND RETEST THE WELDS UNTIL THERE ARE NO DEFECTS. PLUG HOLES WITH A THREADED OR WELDED PLUG AT COMPLETION OF TEST AND COAT AS SHOWN. TAP HOLES MAY BE ON INSIDE OR OUTSIDE OF JOINT.
2. FOR FIELD WELDING OF INDIVIDUAL BUTT STRAP PIECES TO EACH OTHER, SEE DETAIL B.
3. BUTT STRAP WIDTH SHALL CONFORM TO THE LIMITATIONS SHOWN FOR PIPE END SEPARATION AND STEEL OVERLAP REQUIREMENTS, UNO.
4. HOLIDAY TEST THE HEAT SHRINK SLEEVE AFTER INSTALLATION PER SECTION 40 05 13.13.
5. HEAT SHRINK SLEEVE SHALL OVERLAP SHOP APPLIED EPOXY COATING BY A MINIMUM OF 6".

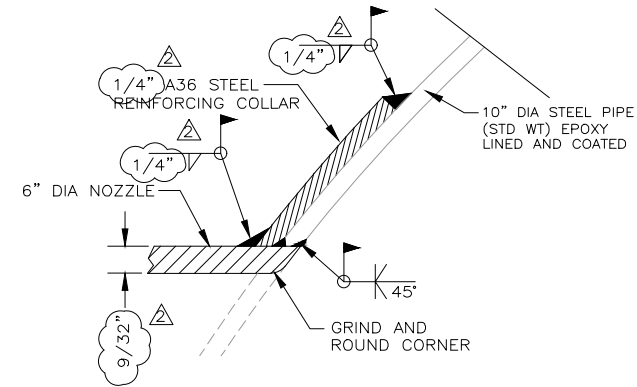
BUTT STRAP JOINT	A	A	A
NTS	C-2	C-3	C-4



**DETAIL NOTES:**

1. HOLIDAY TEST THE HEAT SHRINK SLEEVE AFTER INSTALLATION AS SPECIFIED IN SECTION 40 05 13.13 OF THE SPECIFICATIONS. SLEEVE SHALL OVERLAP SHOP APPLIED TAPE WRAP A MINIMUM OF 3".

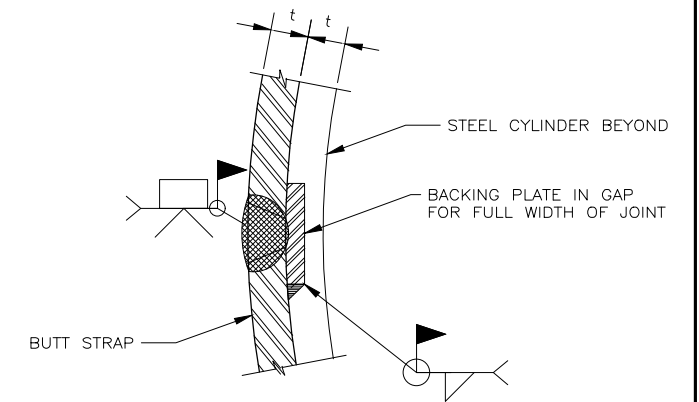
BUTT WELD	B
NTS	-



**DETAIL NOTE:**

TEST PRESSURE SHALL BE 400 PSI.

TYPICAL WELDED CONNECTION DETAIL	C	C	C
NTS	C-2	C-4	PP-2

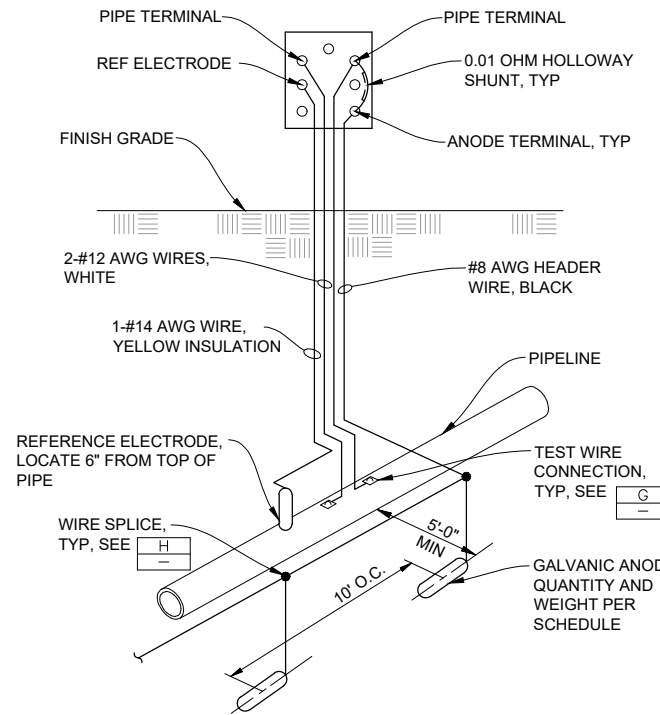


**DETAIL NOTES:**

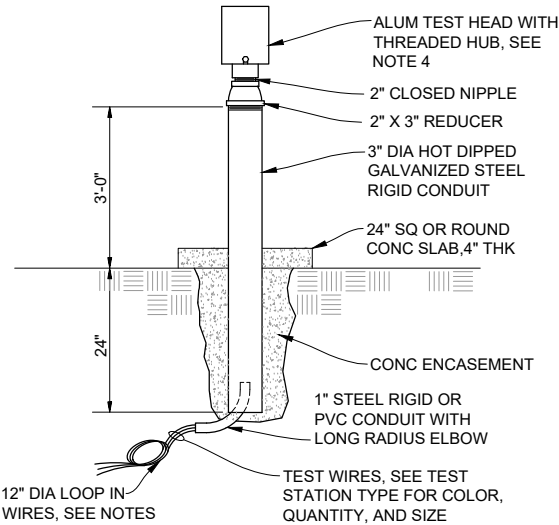
1. LININGS AND COATINGS NOT SHOWN FOR CLARITY.
2. BEVEL ENDS OF BACKING PLATE AT BUTT STRAP PRIOR TO WELDING OR BACK GOUGE AT CONTACT WITH ADJACENT CYLINDER PRIOR TO COMPLETING INSIDE FILLET WELD.

BUTT STRAP SPLICE	D
NTS	-

**WIRING DIAGRAM**



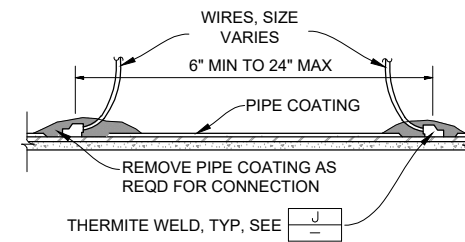
TYPE A TEST STATION	E	E
NTS	C-1	PP-1



**DETAIL NOTES:**

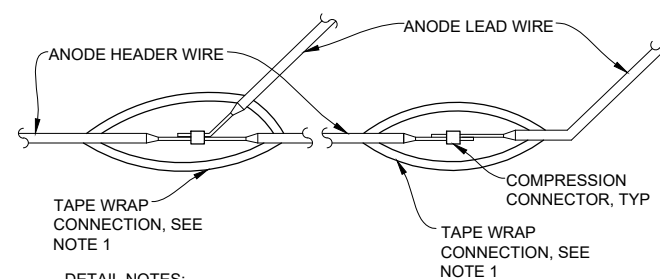
1. TERMINAL QUANTITY AND WIRE CONNECTIONS VARY, SEE TEST STATION TYPE DETAIL.
2. LOOP WIRE AT BASE OF POST TO MINIMIZE WIRE STRESS
3. COAT THREADS WITH INORGANIC ZINC PRIMER OR COLD GALVANIZING REPAIR COATING.
4. TESTOX SERIES 2000 TEST STATION FOR TYPE A TEST STATIONS WITH THREADED HUBS.
5. SLIP FIT HUBS WILL NOT BE PERMITTED.

POST STYLE, STEEL CONDUIT	F
NTS	C-2



**COATED STEEL OR DIP**

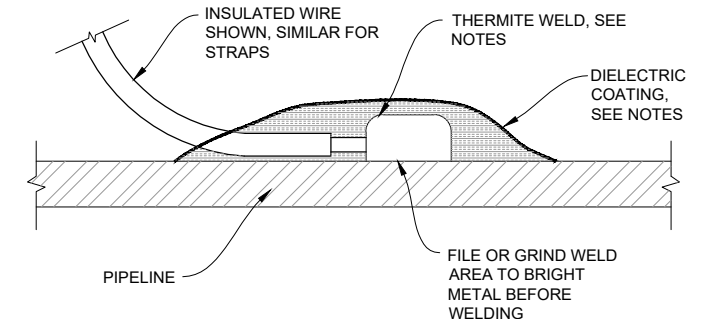
WIRE CONNECTION	G	G
NTS	-	C-2



**DETAIL NOTES:**

1. FILL VOIDS AND IRREGULARITIES WITH INSULATING PUTTY, WRAP CONNECTION WITH TWO LAYERS OF SCOTCH 130C SELF VULCANIZING RUBBER TAPE AND TWO LAYERS OF SCOTCH 88 VINYL ELECTRICAL TAPE
2. DETAIL SIMILAR FOR ANODE HEAD WIRE SPLICES, SIZE COMPRESSION CONNECTORS AS REQUIRED.

GALVANIC ANODE WIRE SPLICES	H	H
NTS	-	C-2



**DETAIL NOTES:**

1. MAKE WIRE CONNECTION TO PIPE AT FIELD JOINT WHERE HOLDBACK OCCURS ON PIPELINE COATING, WHERE POSSIBLE.
2. COPPER SLEEVE REQUIRED FOR #2 AWG JOINT BONDS OR FOR #12 AWG OR SMALLER TEST WIRES.
3. WELDER AND CARTRIDGE SIZE VARIES ACCORDING TO PIPE SIZE AND PIPE MATERIAL. CONSULT WELDER MANUFACTURER FOR RECOMMENDED WELDER AND CARTRIDGE
4. COAT COMPLETED WELDS, EXPOSED COPPER, AND EXPOSED METAL WITH DIELECTRIC COATING OR MASTIC FILLED THERMITE WELD CAPS AS SPECIFIED.

THERMITE WELD CONNECTION	J	J
NTS	-	C-2



DESIGNED	GST	3	
DRAFTED	EPY	2	01/26
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DATE	DECEMBER 2025	NO.	DATE

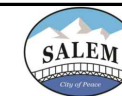
ADDENDUM 2  
ISSUED FOR BID

REVISIONS

BY APVD.

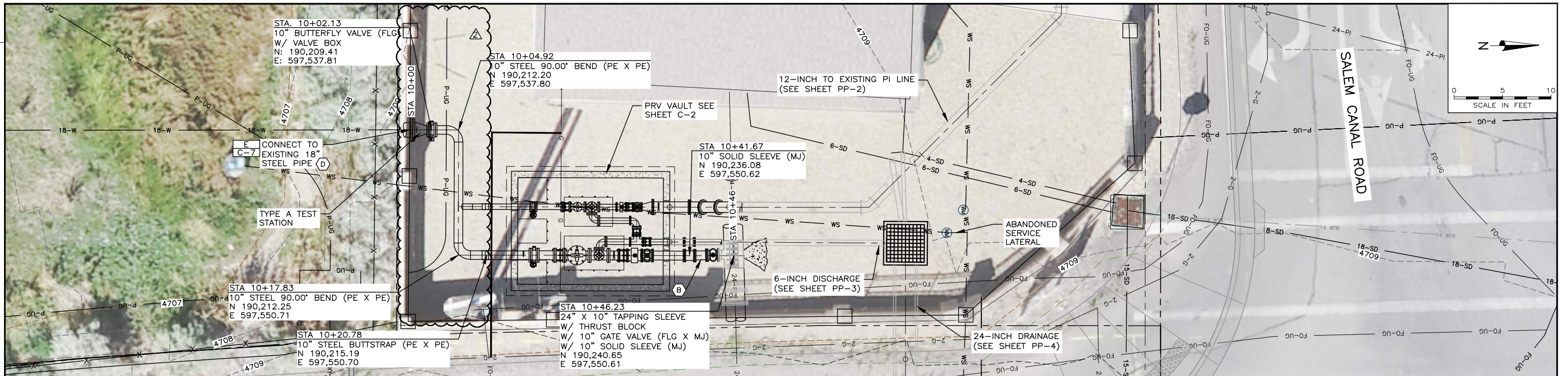
SCALE  
NOT TO SCALE

CITY OF SALEM  
30 WEST 100 SOUTH  
SALEM, UTAH 84653



EAST PUMP STATION PRV  
CIVIL  
TYPICAL STEEL PIPE DETAILS

SHEET  
C-7  
406.17.100

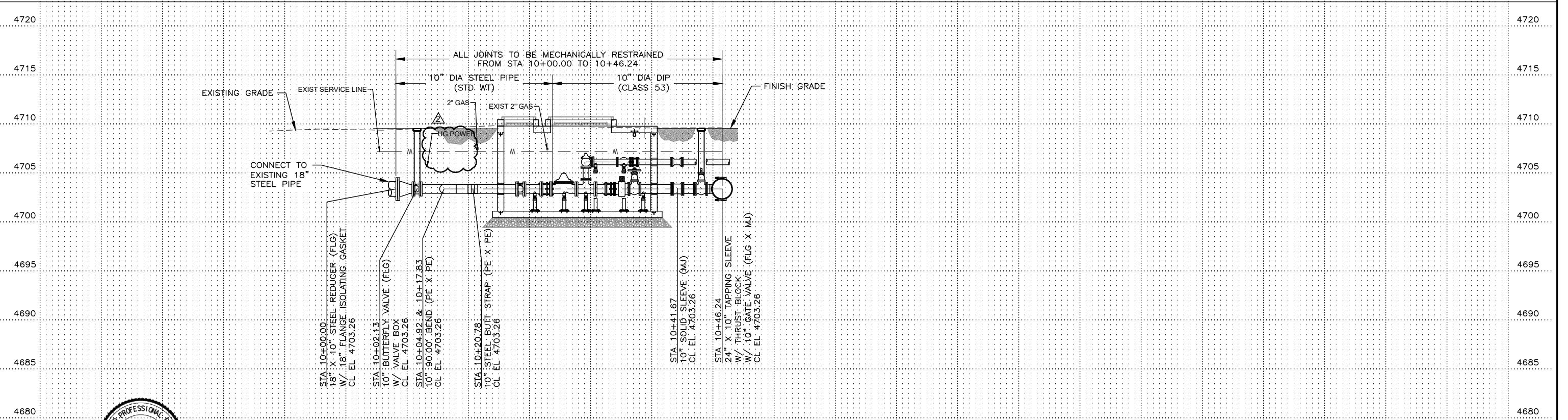


**GENERAL NOTES:**

- EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR MUST FIELD VERIFY ALL EXISTING UTILITIES.
- ALL THRUST BLOCKS SHALL CONFORM TO APWA STANDARD PLAN 561.
- CONTRACTOR SHALL POTHOLE UTILITIES AT ALL CROSSINGS 200' IN ADVANCE OF LAYING PIPE TO ALLOW FOR ADJUSTMENTS OF NEW PIPELINE GRADE TO AVOID CONFLICTS.
- MINIMUM COVER OVER TOP OF PIPE SHALL BE 3 FEET, UNLESS A SPECIFIC SLOPE AND TOP OF PIPE ELEVATION ARE SHOWN ON THE PROFILE.
- THE MINIMUM SLOPE OF THE WATERLINE SHALL BE 0.5% WITH NO LOCAL HIGH POINTS EXCEPT AS INDICATED ON THE DRAWINGS.
- DEFLECTION IN PVC PIPE JOINTS SHALL NOT EXCEED 1 DEGREE OR MANUFACTURER'S PUBLISHED ALLOWED DEFLECTION.
- DEFLECTIONS IN DIP BENDS AND FITTINGS SHALL NOT EXCEED 3 DEGREES OR MANUFACTURER'S PUBLISHED ALLOWED DEFLECTION.
- TEST PRESSURE FOR DIP AND PVC PIPE SHALL BE 200 PSI. TEST PRESSURE FOR STEEL PIPE SHALL BE 400 PSI.
- INSTALL JOINT RESTRAINTS ON ALL BENDS & FITTINGS.
- INSTALL THRUST BLOCKS WHERE NOTED.
- TRENCH SECTION PER SALEM CITY DETAIL 3.2.
- ALL WATERLINE TRENCH BACKFILL SHALL BE IMPORTED GRANULAR MATERIAL MEETING THE REQUIREMENTS OF SALEM CITY STANDARDS.
- STEEL PIPE AND FITTINGS SHALL HAVE FULLY WELDED JOINTS (SEE DETAILS ON SHEET C-7) OR FLANGED ENDS.
- CONTRACTOR SHALL POTHOLE ALL POINTS OF CONNECTION TO VERIFY PIPE LOCATION, SIZE AND MATERIAL PRIOR TO PURCHASING PIPE AND FITTINGS.
- CONTRACTOR SHALL PROVIDE PIPE LAYOUT DRAWINGS FOR APPROVAL BY ENGINEER.

**KEY NOTES:**

- (A) NOT USED
- (B) DEFLECT JOINTS AS NEEDED TO CONNECT TO TAPPING SLEEVE ON EXISTING 24-INCH DIA PIPE.
- (C) NOT USED
- (D) INSTALL WITH TWO (2) 60 LB HIGH POTENTIAL MAGNESIUM ANODES. CHECK ELECTRICAL CONTINUITY FROM INSULATING FLANGE AT CONNECTION TO EXISTING 18-INCH PIPE TO INSULATING FLANGES INSIDE THE VAULT.



FILE NAME: PROJECTS\406 - SALEM CITY\17.100 - EAST PUMP STATION PRV\CAD\PP-1 TO PP-4_R1.DWG  
FILE DATE: 1.28.2026 16:44:32 (EPY)

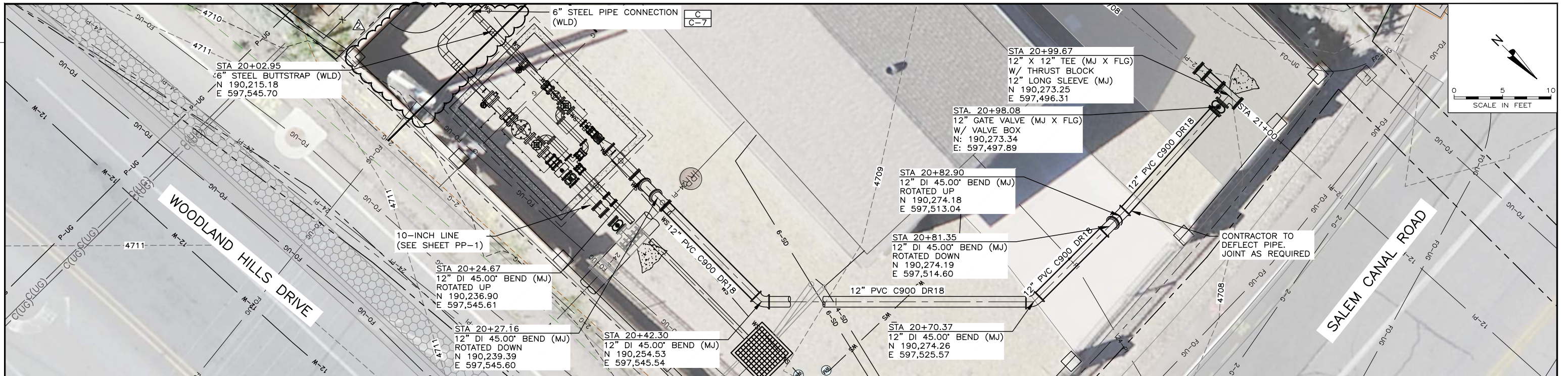
**HANSEN ALLEN & LUCE ENGINEERS**  
 LICENSED PROFESSIONAL ENGINEER  
 GREGORY S. THOMAS  
 No. 5052482  
 STATE OF UTAH

DESIGNED	GST	3	
DRAFTED	EPY	2	01/26
CHECKED	MMC	1	12/19/25
DATE	DECEMBER 2025	NO.	DATE

ADDENDUM 2	ISSUED FOR BID
REVISIONS	
BY	APVD.

SCALE: AS SHOWN  
 CITY OF SALEM  
 30 WEST 100 SOUTH  
 SALEM, UTAH 84653

EAST PUMP STATION PRV  
 PLAN AND PROFILE - 10" WSP/DIP  
 STA 10+00 TO 10+46.24  
 SHEET PP-1  
 406.17.100

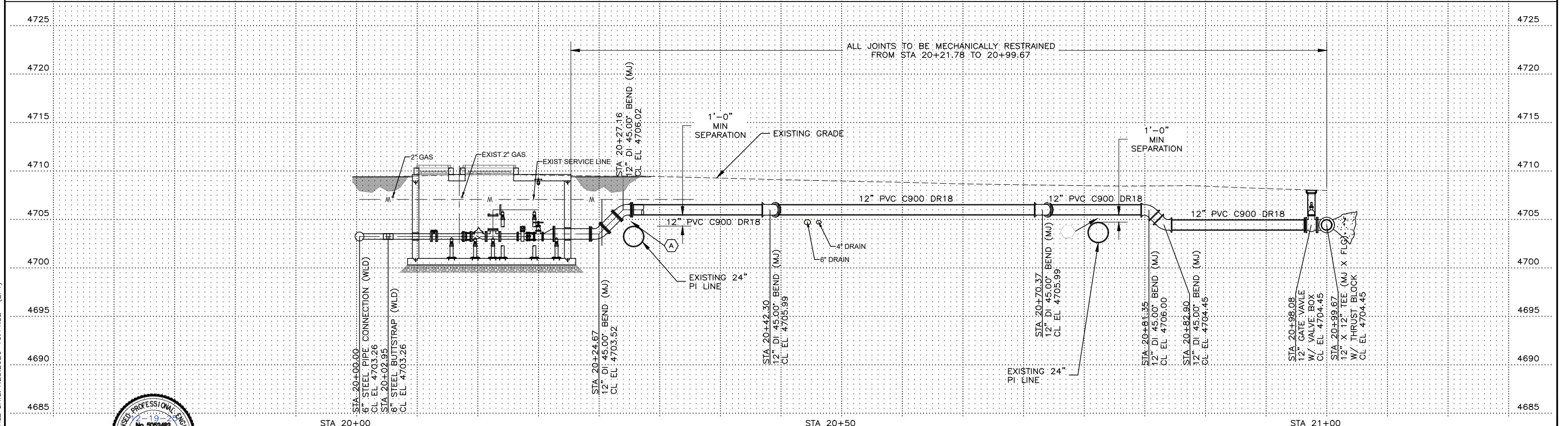


**GENERAL NOTES:**

- EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR MUST FIELD VERIFY ALL EXISTING UTILITIES.
- ALL THRUST BLOCKS SHALL CONFORM TO APWA STANDARD PLAN 561.
- CONTRACTOR SHALL POTHOLE UTILITIES AT ALL CROSSINGS 200' IN ADVANCE OF LAYING PIPE TO ALLOW FOR ADJUSTMENTS OF NEW PIPELINE GRADE TO AVOID CONFLICTS.
- MINIMUM COVER OVER TOP OF PIPE SHALL BE 3 FEET, UNLESS A SPECIFIC SLOPE AND TOP OF PIPE ELEVATION ARE SHOWN ON THE PROFILE.
- THE MINIMUM SLOPE OF THE WATERLINE SHALL BE 0.5% WITH NO LOCAL HIGH POINTS EXCEPT AS INDICATED ON THE DRAWINGS.
- DEFLECTION IN PVC PIPE JOINTS SHALL NOT EXCEED 1 DEGREE OR MANUFACTURER'S PUBLISHED ALLOWED DEFLECTION.
- DEFLECTIONS IN DIP BENDS AND FITTINGS SHALL NOT EXCEED 3 DEGREES OR MANUFACTURER'S PUBLISHED ALLOWED DEFLECTION.
- TEST PRESSURE FOR DIP AND PVC PIPE SHALL BE 200 PSI. TEST PRESSURE FOR STEEL PIPE SHALL BE 400 PSI.
- INSTALL JOINT RESTRAINTS ON ALL BENDS & FITTINGS.
- INSTALL THRUST BLOCKS WHERE NOTED.
- TRENCH SECTION PER SALEM CITY DETAIL 3.2.
- ALL WATERLINE TRENCH BACKFILL SHALL BE IMPORTED GRANULAR MATERIAL MEETING THE REQUIREMENTS OF SALEM CITY STANDARDS.
- STEEL PIPE AND FITTINGS SHALL HAVE FULLY WELDED JOINTS (SEE DETAILS ON SHEET C-7) OR FLANGED ENDS.
- CONTRACTOR SHALL POTHOLE ALL POINTS OF CONNECTION TO VERIFY PIPE LOCATION, SIZE AND MATERIAL PRIOR TO PURCHASING PIPE AND FITTINGS.
- CONTRACTOR SHALL PROVIDE PIPE LAYOUT DRAWINGS FOR APPROVAL BY ENGINEER.

**KEY NOTES:**

- INSTALL CLSM WITHIN PIPE ZONE AND EXTEND CLSM TO SPRING LINE OF EXISTING UTILITY 12 INCHES ON EITHER SIDE OF EXISTING UTILITIES



FILE NAME: PROJECTS\406 - SALEM CITY\17.100 - EAST PUMP STATION PRV\CAD\PP-1 TO PP-4_R1.DWG  
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**HANSEN ALLEN & LUCE ENGINEERS**  
 LICENSED PROFESSIONAL ENGINEER  
 No. 5052482  
 GREGORY S. THOMAS  
 PROJECT ENGINEER

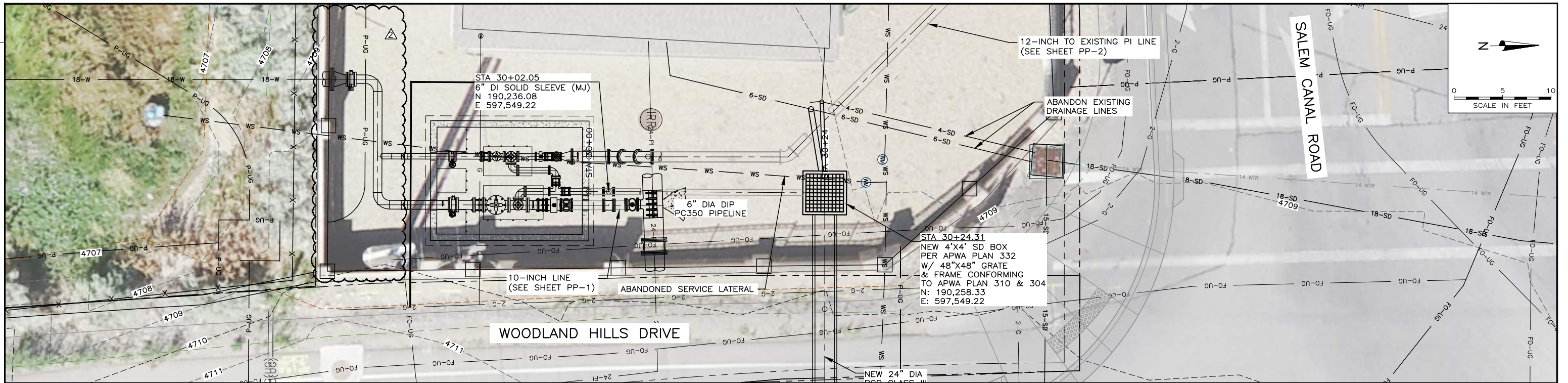
DESIGNED	GST	3		
DRAFTED	EPY	2	01/26	ADDENDUM 2
CHECKED	MMC	1	12/19/25	ISSUED FOR BID
DATE	DECEMBER 2025	NO.	DATE	REVISIONS

SCALE	AS SHOWN
BY	APVD.

SALEM CITY OF SALEM  
 30 WEST  
 100 SOUTH  
 SALEM, UTAH 84653

**EAST PUMP STATION PRV  
 PLAN AND PROFILE - 12" PVC PIPELINE  
 STA 20+00 TO 20+99.67**

SHEET  
**PP-2**  
 406.17.100

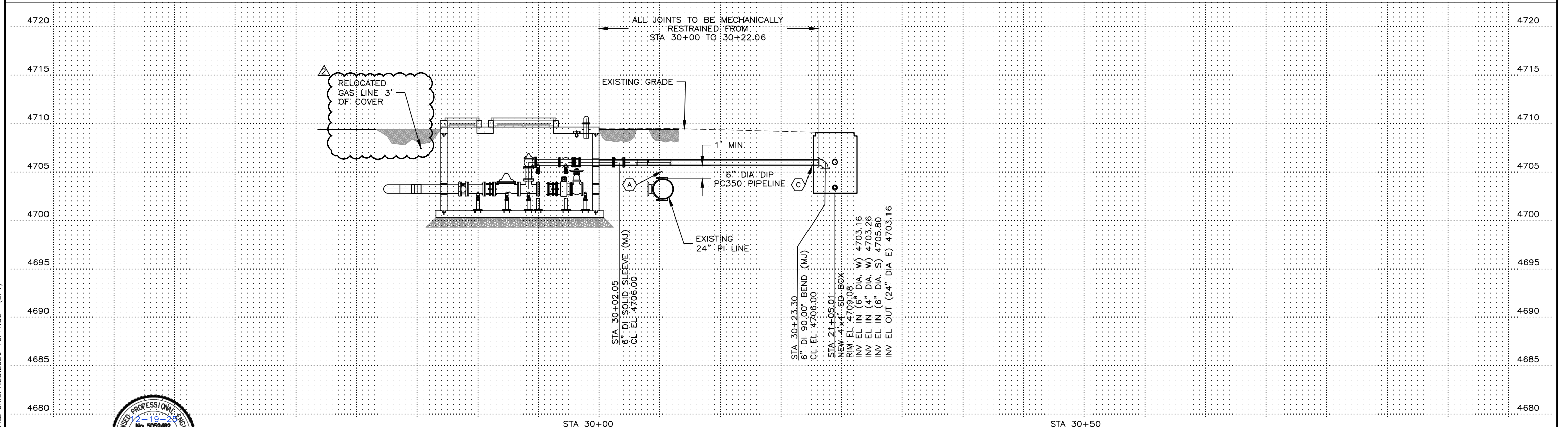


**GENERAL NOTES:**

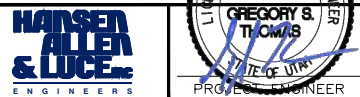
1. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR MUST FIELD VERIFY ALL EXISTING UTILITIES.
2. ALL THRUST BLOCKS SHALL CONFORM TO APWA STANDARD PLAN 561.
3. CONTRACTOR SHALL POTHOLE UTILITIES AT ALL CROSSINGS 200' IN ADVANCE OF LAYING PIPE TO ALLOW FOR ADJUSTMENTS OF NEW PIPELINE GRADE TO AVOID CONFLICTS.
4. MINIMUM COVER OVER TOP OF PIPE SHALL BE 3 FEET, UNLESS A SPECIFIC SLOPE AND TOP OF PIPE ELEVATION ARE SHOWN ON THE PROFILE.
5. THE MINIMUM SLOPE OF THE WATERLINE SHALL BE 0.5% WITH NO LOCAL HIGH POINTS EXCEPT AS INDICATED ON THE DRAWINGS.
6. DEFLECTION IN PVC PIPE JOINTS SHALL NOT EXCEED 1 DEGREE OR MANUFACTURER'S PUBLISHED ALLOWED DEFLECTION.
7. DEFLECTIONS IN DIP BENDS AND FITTINGS SHALL NOT EXCEED 3 DEGREES OR MANUFACTURER'S PUBLISHED ALLOWED DEFLECTION.
8. TEST PRESSURE FOR DIP AND PVC PIPE SHALL BE 200 PSI. TEST PRESSURE FOR STEEL PIPE SHALL BE 400 PSI.
9. INSTALL JOINT RESTRAINTS ON ALL BENDS & FITTINGS.
10. INSTALL THRUST BLOCKS WHERE NOTED.
11. TRENCH SECTION PER SALEM CITY DETAIL 3.2.
12. ALL WATERLINE TRENCH BACKFILL SHALL BE IMPORTED GRANULAR MATERIAL MEETING THE REQUIREMENTS OF SALEM CITY STANDARDS.

**KEY NOTES:**

- (A) INSTALL CLSM WITHIN PIPE ZONE AND EXTEND CLSM TO SPRING LINE OF EXISTING UTILITY 12 INCHES ON EITHER SIDE OF EXISTING UTILITIES
- (B) NOT USED
- (C) SLOPE PIPE FROM STA 30+02.05 TO STA 30+24.31 AT 0.5% SLOPE.



FILE NAME: PROJECTS\406 - SALEM CITY\17.100 - EAST PUMP STATION PRV\CAD\PP-1 TO PP-4_R1.DWG  
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DESIGNED	GST	3		
DRAFTED	EPY	2	01/26	ADDENDUM 2
CHECKED	MMC	1	12/19/25	ISSUED FOR BID
DATE	DECEMBER 2025	NO.	DATE	REVISIONS

NO.	DATE	REVISIONS	BY	APVD.



CITY OF SALEM  
30 WEST  
100 SOUTH  
SALEM, UTAH 84653



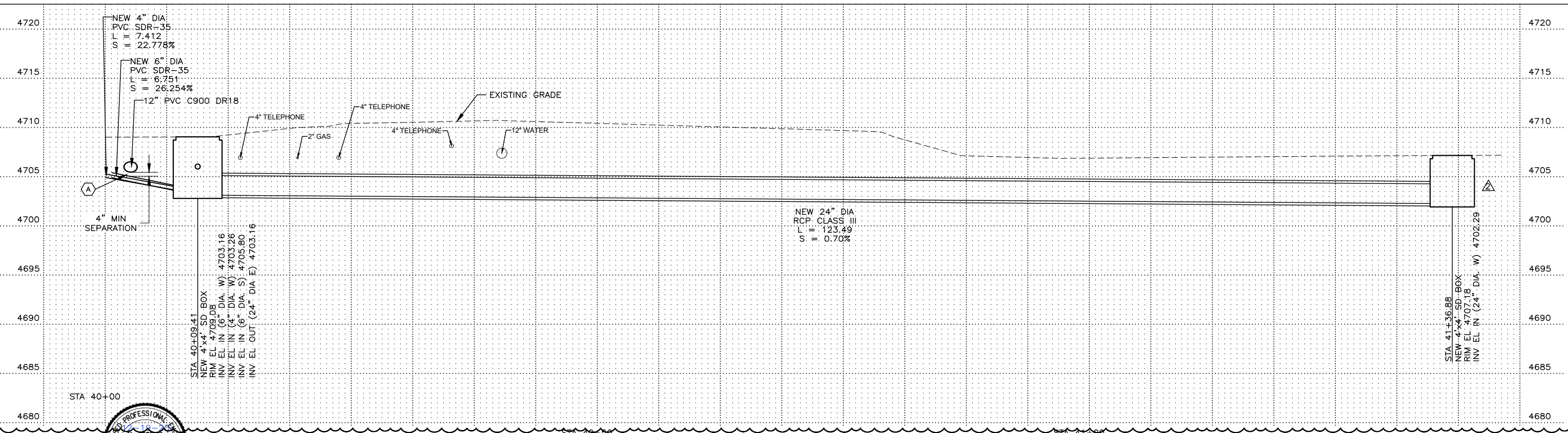
**GENERAL NOTES:**

- EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR MUST FIELD VERIFY ALL EXISTING UTILITIES.
- COORDINATES AND ELEVATIONS ARE GIVEN AT THE CENTER OF BOXES.
- CONTRACTOR SHALL VERIFY RIM ELEVATIONS PRIOR TO FABRICATION OF MANHOLES.
- PIPE LENGTHS ARE FROM INSIDE EDGE OF BOX TO INSIDE EDGE OF BOX.
- CONTRACTOR SHALL POTHOLE UTILITIES AT ALL CROSSINGS 200' IN ADVANCE OF LAYING PIPE TO ALLOW FOR ADJUSTMENTS OF NEW PIPELINE GRADE TO AVOID CONFLICTS.
- TRENCH SECTION PER SALEM CITY DETAIL 3.2.
- ALL WATERLINE TRENCH BACKFILL SHALL BE IMPORTED GRANULAR MATERIAL MEETING THE REQUIREMENTS OF SALEM CITY STANDARDS.

**KEY NOTES:**

- (A) INSTALL CLSM WITHIN PIPE ZONE AND EXTEND CLSM TO SPRING LINE OF EXISTING UTILITY 12 INCHES ON EITHER SIDE OF EXISTING UTILITIES

FILE NAME: PROJECTS_406 - SALEM CITY 17.100 - EAST PUMP STATION PRV CAD\PP-1 TO PP-4_R1.DWG  
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**HANSEN ALLEN & LOPEZ ENGINEERS**

**GREGORY S. THOMAS**  
LICENSED PROFESSIONAL ENGINEER  
No. 5052282  
STATE OF UTAH

DESIGNED	GST	3	
DRAFTED	EPY	2	01/26
CHECKED	MMC	1	12/19/25
DATE	DECEMBER 2025	NO.	DATE

REVISIONS		BY	APVD.
ADDENDUM 2			
ISSUED FOR BID			

SCALE AS SHOWN

**SALEM**

CITY OF SALEM  
30 WEST  
100 SOUTH  
SALEM, UTAH 84653

**EAST PUMP STATION PRV**

**PLAN AND PROFILE 24" DIA RCP**

**STA 40+09.41 TO 41+36.88**

SHEET **PP-4**

406.17.100