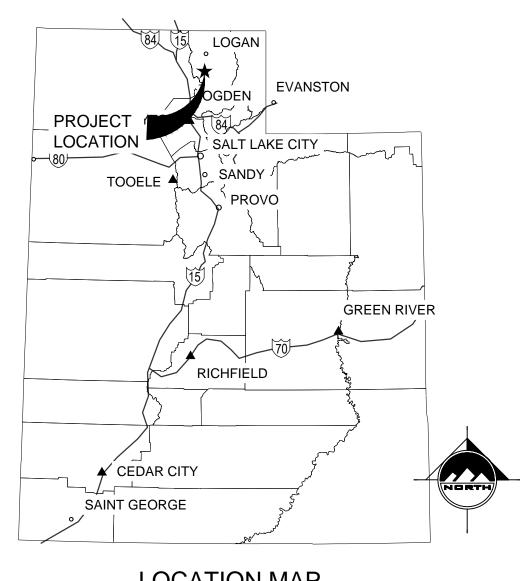
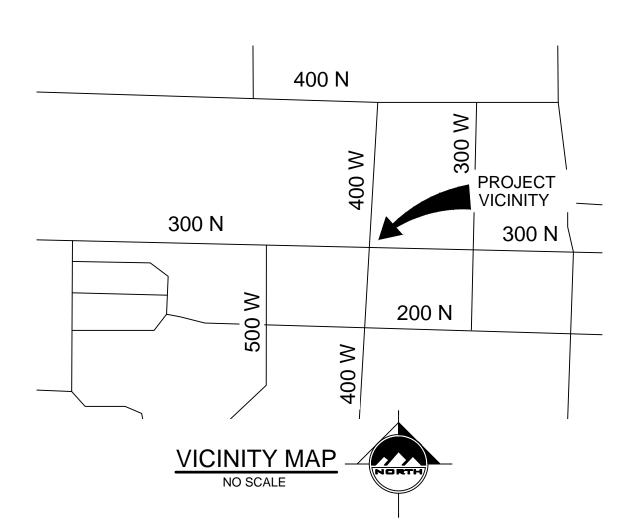


DOMINION ENERGY HYRUM CITY REGULATOR STATION

300 N 400 W HYRUM, UTAH 84319







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	PROJECT DE	RAWINGS
	GENERAL DR	AWINGS
DRAWING	REV	DESCRIPTION
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DEU-R-HY003-CCS-001 SHEET 02 OF 12	A	GENERAL NOTES
	CIVIL DRAV	VINGS
DEU-R-HY003-CCS-001 SHEET 03 OF 12	А	SITE PLAN
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DEU-R-HY003-CCS-001 SHEET 05 OF 12	A	WALL PLAN
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DEU-R-HY003-CCS-001 SHEET 08 OF 12	A	VEHICLE ROUTE TRACKING
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NOTICE TO DEVELOPER/CONTRACTOR

ESTIMATION, FINANCING, BONDING, SITE CLEARING, GRADING, INFRASTRUCTURE

UTILITY DISCLAIMER

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF UTAH DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR'S AND SUBCONTRACTOR'S COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

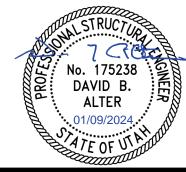
THE CONTRACTOR FURTHER AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

PROJECT MANAGER	ZACHERY HANSEN	385-321-7583
PROJECT ENGINEER	ZACHERY HANSEN	385-321-7583
CATHODIC PROTECTION	KELLY FACER	801-201-5528
HP SURVEYOR	GARRETT NEWHART	801-793-7950
LEAD INSPECTOR	TBD	
IHP SUPERVISOR	TBD	
RIGHT OF WAY AGENT	KEVIN MULVEY	801-592-5808
MARKETING	N/A	
ENVIRONMENTAL HEALTH & SAFETY	STEPHAN RYDER	330-813-8805





SCALE: AS SHOWN





SALT LAKE CITY

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TOOELE

ENSIGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER ENSIGN SHEET: C-000CV COVER SHEET

	REFERENCE DRAWINGS		WORK ORDERS			REVISIONS	ENGINEERING RECORD	1			
DRAWING NUMBER	WING NUMBER REV DRAWING DESCRIPTION		WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY: J. LINFORD (ENSIGN)	
DEU-R-HY0003-PIP-001	0	DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	FL-150 INSTALL 3"x3" REGULATOR STATION HY0003 AND HEATER	А	ISSUED FOR 90% REVIEW	11/20/2023	ENSIGN	IAT	CHECKED BY: I. TORRES	
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0 - 477										SURVEYOR: C. AHRENS (PSOMAS)	
7,00										ENGR MNGR: S. MESSERSMITH	1
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THE INFORMATION AND CONC	EDTS CON	TAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND									SECTION:
		ND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE									ELEVATION:

	Dominion Energy®
DOMINI	ON ENERGY UTAH

LONG:

LINE NUMBER: FACILITY: TITLE: DESCRIPTION: ADDRESS:

FL-150 DISTRICT REGULATOR STATION HY0003 3X3 REGULATOR STATION AND HEATER **COVER SHEET**

300 NORTH 400 WEST

CACHE **HYRUM CITY** UTAH DEU-R-HY0003-CCS-001 01 of 12

GRADING AND DRAINAGE NOTES LEGEND **SENERAL NOTES** UTILITY NOTES ALL CONSTRUCTION MUST STRICTLY FOLLOW THE STANDARDS AND SPECIFICATIONS SET FORTH BY: THE DESIGN ENGINEER, LOCAL AGENCY 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS, CITY AND STATE REQUIREMENTS AND THE SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SECTION CORNER ---- EXISTING EDGE OF ASPHALT JURISDICTION, APWA (CURRENT EDITION), AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.). THE ORDER LISTED ABOVE IS MOST RECENT EDITIONS OF THE FOLLOWING: THE INTERNATIONAL PLUMBING CODE, UTAH DRINKING WATER REGULATIONS, APWA MANUAL OF GEOTECHNICAL REPORT AND ALL RELATED ADDENDUMS. ARRANGED BY SENIORITY. THE LATEST EDITION OF ALL STANDARDS AND SPECIFICATIONS MUST BE ADHERED TO. IF A CONSTRUCTION PRACTICE STANDARD PLANS AND SPECIFICATIONS. THE CONTRACTOR IS REQUIRED TO ADHERE TO ALL OF THE ABOVE-MENTIONED DOCUMENTS UNLESS EXISTING MONUMENT PROPOSED EDGE OF ASPHALT THE CONTRACTOR SHALL STRIP AND CLEAR THE TOPSOIL. MAJOR ROOTS AND ORGANIC MATERIAL FROM ALL PROPOSED BUILDING AND PAVEMENT IS NOT SPECIFIED BY ANY OF THE LISTED SOURCES, CONTRACTOR MUST CONTACT DESIGN ENGINEER FOR DIRECTION. OTHERWISE NOTED AND APPROVED BY THE ENGINEER. AREAS PRIOR TO SITE GRADING. (THE TOPSOIL MAY BE STOCKPILED FOR LATER USE IN LANDSCAPED AREAS.) PROPOSED MONUMENT EXISTING STRIPING CONTRACTOR TO STRICTLY FOLLOW THE MOST CURRENT COPY OF THE SOILS REPORT FOR THIS PROJECT. ALL GRADING INCLUDING BUT NOT 2. CONTRACTOR SHALL COORDINATE LOCATION OF NEW "DRY UTILITIES" WITH THE APPROPRIATE UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO: LIMITED TO CUT, FILL, COMPACTION, ASPHALT SECTION, SUBBASE, TRENCH EXCAVATION/BACKFILL, SITE GRUBBING, AND FOOTINGS MUST BE TELEPHONE & INTERNET SERVICE, GAS SERVICE, CABLE, AND POWER. 3. THE CONTRACTOR SHALL REMOVE ALL ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIALS PRIOR TO PLACING GRADING FILL OR BASE EXISTING REBAR AND CAP ———— PROPOSED STRIPING COORDINATED DIRECTLY WITH SOILS REPORT COURSE. THE AREA SHOULD BE PROOF-ROLLED TO IDENTIFY ANY SOFT AREAS. WHERE SOFT AREAS ARE ENCOUNTERED, THE CONTRACTOR EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS BASED ON ON-SITE SURVEY. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE SHALL REMOVE THE SOIL AND REPLACE WITH COMPACTED FILL. SET ENSIGN REBAR AND CAP — x — EXISTING FENCE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING, AND BRING UP ANY QUESTIONS BEFORE SUBMITTING BID. SHALL NOTIFY BLUE STAKES AT 1-800-662-4111 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK. THE CONTRACTOR SHALL 4. ALL DEBRIS PILES AND BERMS SHOULD BE REMOVED AND HAULED AWAY FROM SITE OR USED AS GENERAL FILL IN LANDSCAPED AREAS. EXISTING WATER METER — X — PROPOSED FENCE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE IN ACCORDANCE WITH THE CITY, STATE, OR COUNTY REGULATIONS FOR WORKING IN RECORD THE BLUE STAKES ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER AND ENGINEER PRIOR TO ANY EXCAVATION. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF BLUE STAKES. IT THE CONTRACTOR SHALL CONSTRUCT THE BUILDING PAD TO THESE DESIGN PLANS AS PART OF THE SITE GRADING CONTRACT. AND STRICTLY PROPOSED WATER METER EXISTING FLOW LINE SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE ADHERE TO THE SITE PREPARATION AND GRADING REQUIREMENTS OUTLINED IN THE GEOTECHNICAL REPORT. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ACCORDING TO GOVERNING AGENCY STANDARDS. WET DOWN DRY MATERIALS AND PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE EXISTING WATER MANHOLE ----- PROPOSED FLOW LINE 6. THE CONTRACTOR SHALL GRADE THE PROJECT SITE TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING ASPHALT, CURB AND RUBBISH TO PREVENT BLOWING. CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, GUTTER, AND ADJOINING SITE IMPROVEMENTS. UTILITIES AND SERVICE TO THE PROJECT. PROPOSED WATER MANHOLE ----- GRADE BREAK CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS. 4. CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES. EXCAVATION REQUIRED WITHIN 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE AND DEBRIS ON ADJACENT STREETS WHEN EQUIPMENT IS TRAVELING THOSE STREETS. EXISTING WATER BOX — sd — EXISTING STORM DRAIN LINE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF OR DAMAGE TO EXISTING UTILITIES. PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL CONDITIONS AND RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT AND TAKE ALL EXISTING WATER VALVE THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL MATERIALS TO COMPLETE THE PROJECT NECESSARY PRECAUTIONS AND RECOMMENDED PROCEDURES TO ASSURE SOUND GRADING PRACTICES. 5. TRENCH BACKFILL MATERIAL AND COMPACTION TESTS ARE TO BE TAKEN PER APWA STANDARD SPECIFICATIONS (CURRENT EDITION), SECTION 33 PROPOSED WATER VALVE UNLESS OTHERWISE NOTED, ALL ON-GRADE CONCRETE WILL BE PLACED ON A MINIMUM 4" GRAVEL BASE OVER A WELL COMPACTED (95% DENSITY 05 20 - BACKFILLING TRENCHES, OR AS REQUIRED BY THE GEOTECHNICAL REPORT IF NATIVE MATERIALS ARE USED. NO NATIVE MATERIALS ARE 9. THE CONTRACTOR SHALL TAKE APPROPRIATE GRADING MEASURES TO DIRECT STORM SURFACE RUNOFF TOWARDS CATCH BASINS. PER ASTM D-1557) SUB GRADE ALLOWED IN THE PIPE ZONE. THE MAXIMUM LIFT FOR BACKFILLING EXCAVATIONS IS 8-INCHES. EXISTING FIRE HYDRANT — — HWL — — HIGHWATER LINE 10. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON ON-SITE SURVEY. IT SHALL BE THE CONTRACTORS' FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. NO ALL EXPOSED SURFACES WILL HAVE A TEXTURED FINISH, RUBBED, OR BROOMED. ANY "PLASTERING" OF NEW CONCRETE WILL BE DONE WHILE IT 6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF PROPOSED FIRE HYDRANT — — SS — — EXISTING SANITARY SEWER ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. EXCAVATIONS AND TRENCHES AND FOR THE PROTECTION OF WORKERS. PROPOSED FIRE DEPARTMENT CONNECTION ------ SS ------ PROPOSED SANITARY SEWER LINE PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL REQUIRED PERMITS AND APPROVALS 7. THE CONTRACTOR IS REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE APPROVED PROJECT LIMITS. THIS INCLUDES, BUT IS NOT 11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED LIMITED TO VEHICLE AND EQUIPMENT STAGING, MATERIAL STORAGE AND LIMITS OF TRENCH EXCAVATION. IT IS THE CONTRACTOR'S THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES, AND SLOPES SHOWN. EXISTING SECONDARY WATER VALVE ----- PROPOSED SAN. SWR. SERVICE LINE ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES. RESPONSIBILITY TO OBTAIN PERMISSION AND/OR EASEMENTS FROM THE APPROPRIATE GOVERNING ENTITY AND/OR INDIVIDUAL PROPERTY 12. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL OWNER(S) FOR WORK OR STAGING OUTSIDE OF THE PROJECT LIMITS. PROPOSED SECONDARY WATER VALVE — Id — EXISTING LAND DRAIN LINE THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO 8. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE, CAUSED BY ANY CONDITION INCLUDING SETTLEMENT, TO EXISTING UTILITIES EXISTING IRRIGATION BOX —— LD —— PROPOSED LAND DRAIN LINE PROCEEDING WITH CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FROM WORK PERFORMED AT OR NEAR EXISTING UTILITIES. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ALL EXISTING 13. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM FACILITIES CAUSED BY HIS WORK FORCE. CONTRACTOR SHALL START INSTALLATION AT LOW POINT OF ALL NEW GRAVITY UTILITY LINES. WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT. ALL CONTRACTOR ACTIVITIES 1 ACRE OR MORE IN SIZE ARE REQUIRED PUBLIC AND PRIVATE ROADWAY AND UTILITY FACILITIES. DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR MUST BE REPAIRED BY EXISTING IRRIGATION VALVE ----- PROPOSED LAND DRAIN SERVICE LINE TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN. THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE OWNER OF SAID FACILITIES. ALL DIMENSIONS, GRADES, AND UTILITY DESIGN SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. PROPOSED IRRIGATION VALVE — — w — — EXISTING CULINARY WATER LINE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN 14. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED. 9. ALL WATER LINE AND SEWER LINE INSTALLATION AND TESTING TO BE IN ACCORDANCE WITH LOCAL GOVERNING ACENCY'S STANDARDS AND OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO THE EXISTING SANITARY SEWER MANHOLE ------ W ------- PROPOSED CULINARY WATER LINE DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS. IF SUCH NOTIFICATION HAS NOT BEEN GIVEN. 15. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER FROM GOVERNING 10. ALL MANHOLES, HYDRANTS, VALVES, CLEANOUT BOXES, CATCH BASINS, METERS, ETC. MUST BE RAISED OR LOWERED TO FINAL GRADE PER APWA PROPOSED SANITARY SEWER MANHOLE PROPOSED CULINARY WATER SERVICE LINE NO CHANGE IN DESIGN LOCATION OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE PROJECT ENGINEER. (CURRENT EDITION) STANDARDS AND INSPECTOR REQUIREMENTS. CONCRETE COLLARS MUST BE CONSTRUCTED ON ALL MANHOLES, CLEANOUT BOXES, CATCH BASINS, AND VALVES PER APWA STANDARDS. ALL MANHOLE, CATCH BASIN, OR CLEANOUT BOX CONNECTIONS MUST BE MADE WITH EXISTING SANITARY CLEAN OUT — SW — — EXISTING SECONDARY WATER LINE NATURAL VEGETATION AND SOIL COVER SHALL NOT BE DISTURBED PRIOR TO ACTUAL CONSTRUCTION OF A REQUIRED FACILITY OR IMPROVEMENT. THE PIPE CUT FLUSH WITH THE INSIDE OF THE BOX AND GROUTED OR SEALED. 16. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHT-OF-WAYS IN A CLEAN, SAFE AND USABLE CONDITION. MASS CLEARING OF THE SITE IN ANTICIPATION OF CONSTRUCTION SHALL BE AVOIDED. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY-OWNED PROPERTY DURING EXISTING STORM DRAIN CLEAN OUT BOX 11. CONTRACTOR SHALL NOT ALLOW ANY GROUNDWATER OR DEBRIS TO ENTER THE NEW OR EXISTING PIPE DURING CONSTRUCTION. CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS SAFE, AND USABLE CONDITION. PROPOSED STORM DRAIN CLEAN OUT BOX ----- PROPOSED SEC. WATER SERVICE LINE WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS. 12. SILT AND DEBRIS ARE TO BE CLEANED OUT OF ALL STORM DRAIN BOXES. CATCH BASINS ARE TO BE MAINTAINED IN A CLEANED CONDITION AS NEEDED UNTIL AFTER THE FINAL BOND RELEASE INSPECTION. EXISTING STORM DRAIN INLET BOX — irr — — EXISTING IRRIGATION LINE EXISTING UTILITY INFORMATION SHOWN IS FOR INFORMATIONAL PURPOSES ONLY. IT IS DERIVED FROM ON-SITE SURVEY AND/OR UTILITY MAPPING PROVIDED TO THE ENGINEER, AND THEREFORE UTILITIES MAY NOT BE LOCATED CORRECTLY, EITHER HORIZONTALLY OR VERTICALLY, AND MAY 13. CONTRACTOR SHALL CLEAN ASPHALT, TAR OR OTHER ADHESIVES OFF OF ALL MANHOLE LIDS AND INLET GRATES TO ALLOW ACCESS. STEEL REINFORCING NOTES EXISTING STORM DRAIN CATCH BASIN ----- IRR ------ PROPOSED IRRIGATION LINE NOT BE ALL INCLUSIVE. CONTRACTOR IS REQUIRED TO FOLLOW THE PROCEDURE OUTLINED BELOW CONTRACTOR IS REQUIRED TO LOCATE AND POTHOLE ALL EXISTING UTILITY LINES (BOTH HORIZONTALLY AND VERTICALLY) THAT AFFECT THE 14. EACH TRENCH SHALL BE EXCAVATED SO THAT THE PIPE CAN BE LAID TO THE ALIGNMENT AND GRADE AS REQUIRED. THE TRENCH WALL SHALL BE PROPOSED STORM DRAIN CATCH BASIN ----- ohp ----- EXISTING OVERHEAD POWER LINE PROJECT CONSTRUCTION, EITHER ON-SITE OR OFF-SITE, AND DETERMINE IF THERE ARE ANY CONFLICTS WITH THE DESIGN OF THE SITE AS SO BRACED THAT THE WORKMEN MAY WORK SAFELY AND EFFICIENTLY. ALL TRENCHES SHALL BE DRAINED SO THE PIPE LAYING MAY TAKE PLACE A. REINFORCING (NON-WELDABLE = ASTMA615, DEFORMED, Fy = 60 KSI (420 MPa) SHOWN ON THE APPROVED PLANS PRIOR TO ANY CONSTRUCTION. IF IT IS DETERMINED THAT CONFLICTS EXIST BETWEEN EXISTING UTILITIES IN DEWATERED CONDITIONS. B. REINFORCING (WELDABLE = ASTMA706, DEFORMED, Fy = 60 KSI (420 MPa) EXISTING STORM DRAIN COMBO BOX — e — EXISTING ELECTRICAL LINE AND DESIGN UTILITIES (OR ANOTHER ASPECT OF PROPOSED CONSTRUCTION) THE ENGINEER MUST BE NOTIFIED IMMEDIATELY TO CORRECT THE CONFLICTS BEFORE ANY WORK CAN BEGIN. IF THE CONTRACTOR FAILS TO FOLLOW THIS ABSOLUTE REQUIREMENT AND CONFLICTS 15. CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES AMPLE MEANS AND DEVICES WITH WHICH TO REMOVE PROMPTLY AND TO PROPERLY TYPICAL CLEAR CONCRETE COVERAGES: PROPOSED STORM DRAIN COMBO BOX — g — EXISTING GAS LINE ARISE DURING CONSTRUCTION THE CONTRACTOR WILL BEAR THE SOLE RESPONSIBILITY TO FIX THE CONFLICTS. DISPOSE OF ALL WATER ENTERING THE TRENCH EXCAVATION. A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3" FORMED CONTRACTOR IS REQUIRED TO VERIFY THAT PROPER COVER AND PROTECTION OF EXISTING UTILITY LINES IS MAINTAINED OR ATTAINED B. CONCRETE EXPOSED TO EARTH OR WEATHER = (#6 AND LARGER) 2" (#5 AND SMALLER) 1-1/2" EXISTING STORM DRAIN CLEAN OUT — t — EXISTING TELEPHONE LINE WITHIN THE DESIGN ONCE VERIFICATION OF THE EXISTING UTILITIES IS COMPLETED AS OUTLINED IN 17.1 ABOVE. 16. ALL SEWER LINES AND SEWER SERVICES SHALL HAVE A MINIMUM SEPARATION OF 10 FEET, CENTER TO CENTER, FROM THE WATER LINES. IF A 10 C. ALL OTHERS PER LATEST EDITION OF ACI 318. FOOT SEPARATION CAN NOT BE MAINTAINED, THE SEWER LINE AND WATER LINE SHALL BE LAID IN SEPARATE TRENCHES AND THERE SHALL BE A IN ADDITION TO 17.1 AND 17.2 ABOVE THE CONTRACTOR WILL VERIFY DEPTHS OF UTILITIES IN THE FIELD BY "POTHOLING" A MINIMUM OF 300 EXISTING STORM DRAIN CULVERT ACCESSIBLE ROUTE FEET AHEAD OF PROPOSED PIPELINE CONSTRUCTION TO AVOID POTENTIAL CONFLICTS WITH DESIGNED PIPELINE ALIGNMENT AND GRADE MINIMUM 18" VERTICAL SEPARATION BETWEEN THE PIPES. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. LATEST ACI CODE AND DETAILING MANUAL APPLY. SECURELY TIE ALL BARS IN LOCATION AND EXISTING UTILITIES BEFORE PLACING CONCRETE. REINFORCING BAR SPACINGS GIVIN ARE MAXIMUM ON CENTERS. PROPOSED STORM DRAIN CULVERT ———— SAW CUT LINE IF A CONFLICT ARISES BETWEEN EXISTING UTILITIES AND DESIGN UTILITIES (OR ANOTHER ASPECT OF PROPOSED CONSTRUCTION) AS 17. CONTRACTOR SHALL INSTALL THRUST BLOCKING AT ALL WATERLINE ANGLE POINTS AND TEES. DETERMINED UNDER 17.1, 17.2 OR 17.3 THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY TO RESOLVE THE CONFLICT. 4. ALL REINFORCING TO BE WELDED SHALL BE WELDED IN ACCORDANCE WITH AWS D1.4 NO TACK WELDING OF REINFORCING BARS IS ALLOWED TEMPORARY SAG INLET PROTECTION IF A CONFLICT ARISES BETWEEN EXISTING UTILITIES AND DESIGN UTILITIES (OR ANOTHER ASPECT OF PROPOSED CONSTRUCTION) RESULTING 18. ALL UNDERGROUND UTILITIES SHALL BE IN PLACE PRIOR TO INSTALLATION OF CURB. GUTTER, SIDEWALK AND STREET PAVING. WITHOUT PRIOR REVIEW OF PROCEDURE BY STRUCTURAL ENGINEER. FROM THE CONTRACTOR'S NEGLIGENCE TO IDENTIFY AND/OR "POTHOLE" EXISTING UTILITIES AS REQUIRED IN 17.1, 17.2 AND 17.3 ABOVE, THE TEMPORARY IN-LINE INLET PROTECTION —— LOD —— LIMITS OF DISTURBANCE CONTRACTOR WILL BE REQUIRED TO RESOLVE THE CONFLICT WITHOUT ADDITIONAL COST OR CLAIM TO THE OWNER OR ENGINEER. 19. CONTRACTOR SHALL INSTALL MAGNETIC LOCATING TAPE CONTINUOUSLY OVER ALL NONMETALLIC PIPE. 5. EPOXY COATED REINFORCING STEEL REQUIREMENTS: BARS SHALL CONFORM TO ASTM A775. ROOF DRAIN EXISTING WALL ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER. TRAFFIC CONTROL AND SAFETY NOTES **ABBREVIATIONS** EXISTING ELECTRICAL MANHOLE CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION. 1. TRAFFIC CONTROL AND STRIPING TO CONFORM TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.). AMERICAN PUBLIC WORKS ASSOCIATION NOT IN CONTRACT EXISTING ELECTRICAL BOX EXISTING CONTOURS AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A ACCESSIBLE ROUTE NUMBER 2. BARRICADING AND DETOURING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE CURRENT M.U.T.C.D. AMERICAN SOCIETY FOR TESTING AND MATERIALS ON CENTER EXISTING TRANSFORMER PROPOSED CONTOURS 3. NO STREET SHALL BE CLOSED TO TRAFFIC WITHOUT WRITTEN PERMISSION FROM THE APPROPRIATE AGENCY, EXCEPT WHEN DIRECTED BY LAW AMERICAN WATER WORKS ASSOCIATION ON CENTER EACH WAY 21. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT, ADOPTED EDITION OF ADA ACCESSIBILITY GUIDELINES ∩\/ERHE∆D P∩WER BUILDABLE AREA WITHIN SETBACKS POINT OF CURVATURE OR PRESSURE CLASS BEGIN VERTICAL CURVE CONTRACTOR SHALL, AT THE TIME OF BIDDING AND THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH AND POINT OF COMPOUND CURVATURE 4. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROVIDE FOR SMOOTH TRAFFIC FLOW AND SAFETY. ACCESS SHALL BE MAINTAINED FOR ALL EXISTING LIGHT PUBLIC DRAINAGE EASEMENT SHALL BE BONDABLE FOR AN AMOUNT REQUIRED BY THE OWNER. CATCH BASIN POINT OF INTERSECTION PROPERTIES ADJACENT TO THE WORK. CURB FACE OR CUBIC FEET POST INDICATOR VALVE EXISTING ASPHALT TO BE REMOVED PROPOSED LIGHT CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, SANITARY FACILITIES AND TELEPHONE SERVICES AS REQUIRED FOR THE CENTER LINE PROPERTY LINE 5. DETOURING OPERATIONS FOR A PERIOD OF SIX CONSECUTIVE CALENDAR DAYS, OR MORE, REQUIRE THE INSTALLATION OF TEMPORARY STREET POINT OF REVERSE CURVATURE STRIPING AND REMOVAL OF INTERFERING STRIPING BY SANDBLASTING. THE DETOURING STRIPING PLAN OR CONSTRUCTION TRAFFIC CONTROL CLEAN OUT EXISTING GAS METER PROPOSED ASPHALT COMM COMMUNICATION PLAN MUST BE SUBMITTED TO THE CITY TRAFFIC ENGINEER FOR REVIEW AND APPROVAL. PROPOSED CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONC CONCRETE POINT OF TANGENCY EXISTING GAS MANHOLE EXISTING CURB AND GUTTER CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL RE-TESTING AND/OR RE-INSPECTION CONT CONTINUOUS POINT OF VERTICAL CURVATURE 6. ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE WORK TO THE SATISFACTION OF THE PROPOSED CURB AND GUTTER SHALL BE PAID FOR BY THE CONTRACTOR POINT OF VERTICAL INTERSECTION DIAMETER CITY TRAFFIC ENGINEER. EXISTING GAS VALVE **DUCTILE IRON PIPE** POINT OF VERTICAL TANGENCY IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED 7. TRAFFIC CONTROL DEVICES (TCDs) SHALL REMAIN VISIBLE AND OPERATIONAL AT ALL TIMES. ELEC ELECTRICAL CONCRETE TO BE REMOVED EXISTING TELEPHONE MANHOLE BY THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING ELEV FI EVATION **ROOF DRAIN** OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND/OR REPLACEMENT. 8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC EDGE OF ASPHALT RIGHT OF WAY EXISTING TELEPHONE BOX EXISTING CONCRETE THERE WILL BE NO EXTRA COST DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS. EVC END OF VERTICAL CURVE TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR SLOPE EW EACH WAY SAN SWR SANITARY SEWER EXISTING TRAFFIC SIGNAL BOX OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS. PROPOSED CONCRETE WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR **EXIS** EXISTING STORM DRAIN SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH MATERIALS EQUAL TO OR BETTER THAN THE FINISH FLOOR SECONDARY 9. THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY BUILDING TO BE REMOVED EXISTING CABLE BOX MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE FINISH GRADE SANITARY SEWER ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY. FIRE HYDRANT STA STATION **EXISTING BUILDING** EXISTING BOLLARD 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTAH TRANSIT AUTHORITY (UTA) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A FLOW LINE OR FLANGE SIDEWALK CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL GRADE BREAK SECONDARY WATER LINE BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP. PROPOSED BOLLARD PROPOSED BUILDING STRUCTURES AND OTHER FACILITIES. RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL GARAGE FLOOR TOP BACK OF CURB IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SURMITTED BY THE CONTRACTOR NOTE: MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PLAN SET. **GATE VALVE** TOP OF ASPHALT EXISTING SIGN PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER ONE SET OF NEATLY MARKED RECORD DRAWINGS TOP OF CONCRETE HANDICAP **DEMOLITION NOTES** SHOWING THE INFORMATION REQUIRED ABOVE. RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE RECORD DRAWING SET SHALL BE TOP OF FOUNDATION HIGH POINT PROPOSED SIGN CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL IRRIGATION TOP OF GRATE 1. EXISTING UTILITY INFORMATION SHOWN IS FOR INFORMATIONAL PURPOSES ONLY. IT IS DERIVED FROM ON-SITE SURVEY AND MAY NOT BE ACCEPTANCE. RATE OF VERTICAL CURVATURE EXISTING SPOT ELEVATION TOP OF PIER LOCATED CORRECTLY AND IS NOT ALL INCLUSIVE. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES WITHIN THE PROJECT LIMITS BEFORE TOP OF STEP BEGINNING DEMOLITION/CONSTRUCTION. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD LINEAR FEET TOW TOP OF WALL PROPOSED SPOT ELEVATION THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED. LOW POINT TYPICAL 2. THERE MAY BE BURIED UTILITIES WITHIN THE LIMITS OF DISTURBANCE THAT ARE NOT SHOWN ON THE PLANS DUE TO LACK OF MAPPING OR MANHOLE VERTICAL CURVE RECORD INFORMATION. CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN UNEXPECTED UTILITIES ARE DISCOVERED. ALL EXISTING GATES AND FENCES TO REMAIN UNLESS OTHERWISE NOTED ON PLANS. PROTECT ALL GATES AND FENCES FROM DAMAGE. MECHANICAL JOINT WALL INDICATOR VALVE NATURAL GROUND WATER LINE THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING AND PROTECTING FROM DAMAGE ALL EXISTING UTILITIES AND IMPROVEMENTS LAYTON SALT LAKE CITY ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED ON PLANS. PROTECT ALL TREES FROM DAMAGE WHETHER OR NOT SHOWN ON THESE PLANS. THE FACILITIES AND IMPROVEMENTS ARE BELIEVED TO BE CORRECTLY SHOWN BUT THE Phone: 801.547.1100 45 West 10000 South NOTE: MAY CONTAIN ABBREVIATIONS THAT ARE NOT USED IN THIS PLAN SET. CONTRACTOR IS REQUIRED TO SATISFY HIMSELE AS TO THE COMPLETENESS AND ACCURACY OF THE LOCATIONS. ANY CONTRACTOR PERFORMING ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN THE CITY TOOFI F WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND SHALL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING Sandy, Utah 84070 RIGHT-OF-WAY Phone: 435.843.3590 FACILITIES RESULTING DIRECTLY, OR INDIRECTLY, FROM HIS OPERATIONS, WHETHER OR NOT SAID FACILITIES ARE SHOWN ON THESE PLANS. ENSIGN DAVID B. Phone:801.255.0529 ALTER **CEDAR CITY** Fax: 801.255.4449 CONTRACTORS ARE RESPONSIBLE FOR ALL OSHA REQUIREMENTS ON THE PROJECT SITE. THE STANDARD IN ENGINEERING WWW.ENSIGNUTAH.COM Phone: 435.865.1453 01/09/202 A UPDES (UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES 1 ACRE OR MORE AS ENSIGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER WELL AS A STORM WATER POLLUTION PREVENTION PLAN. **ENSIGN SHEET: C-001GN GENERAL NOTES** REFERENCE DRAWINGS **REVISIONS** ENGINEERING RECORD WORK ORDERS INE NUMBER: FL-150 BY CHECK DRAWING NUMBER DRAWING DESCRIPTION **WO NUMBER** DESCRIPTION DESCRIPTION DRAWN BY: J. LINFORD (ENSIGN) FACILITY: **Dominion DISTRICT REGULATOR STATION HY0003** DEU-R-HY0003-PIP-001 0 DISTRICT REGULATOR STATION HY0003 - PIPING 95626.22 FL-150 INSTALL 3"x3" REGULATOR STATION HY0003 AND HEATER ISSUED FOR 90% REVIEW 11/20/2023 ENSIGN CHECKED BY: I. TORRES **Energy**® TITLE: ROJECT ENGR: Z. HANSEN 3X3 REGULATOR STATION AND HEATER DESCRIPTION: SURVEYOR: C. AHRENS (PSOMAS) **GENERAL NOTES** ADDRESS: ENGR MNGR: S. MESSERSMITH 300 NORTH 400 WEST **DOMINION ENERGY UTAH** CONSTR MNGR: D. FRANCIS SECTION: THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND **CACHE HYRUM CITY** UTAH THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE **ELEVATION**

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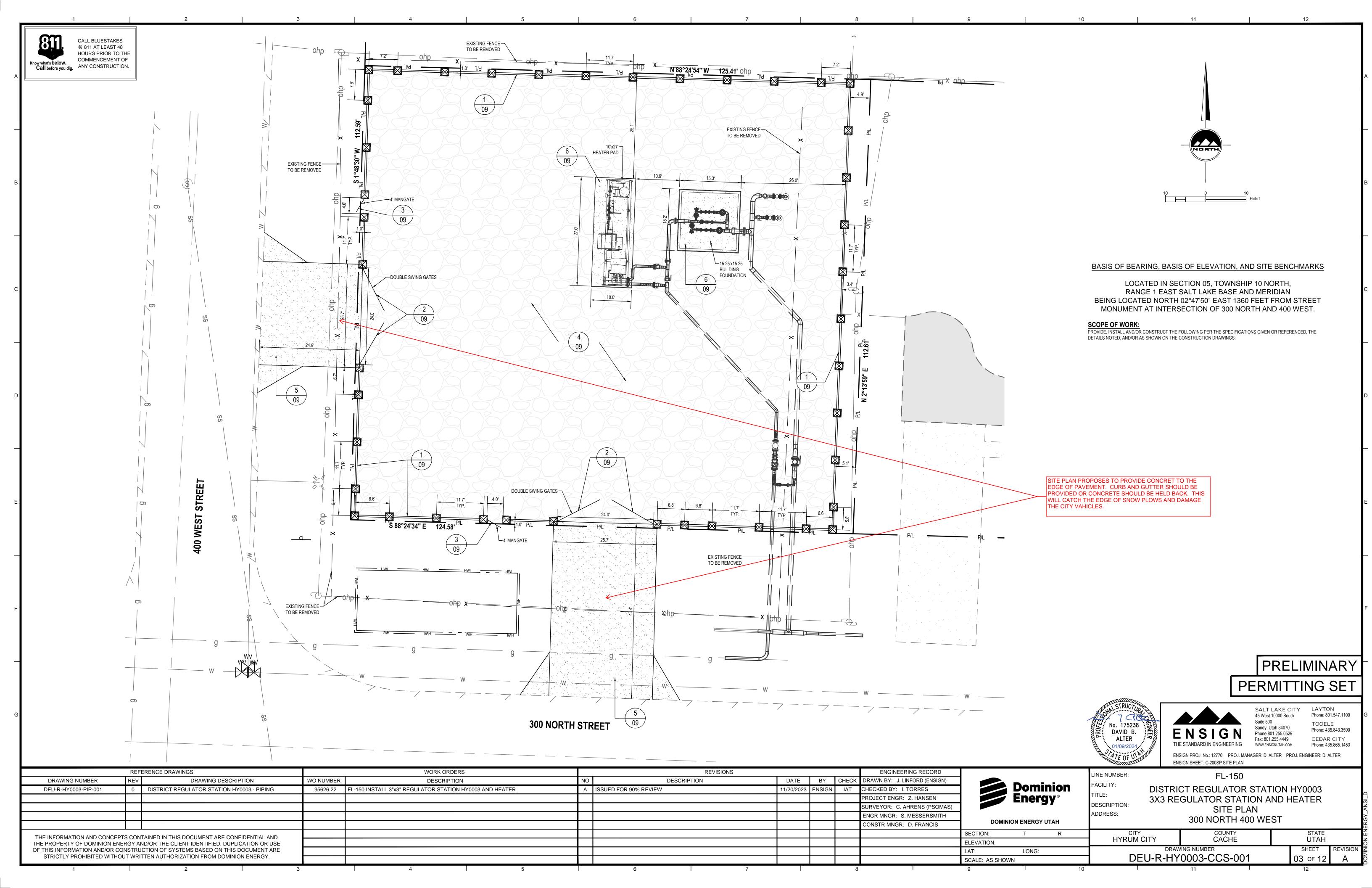
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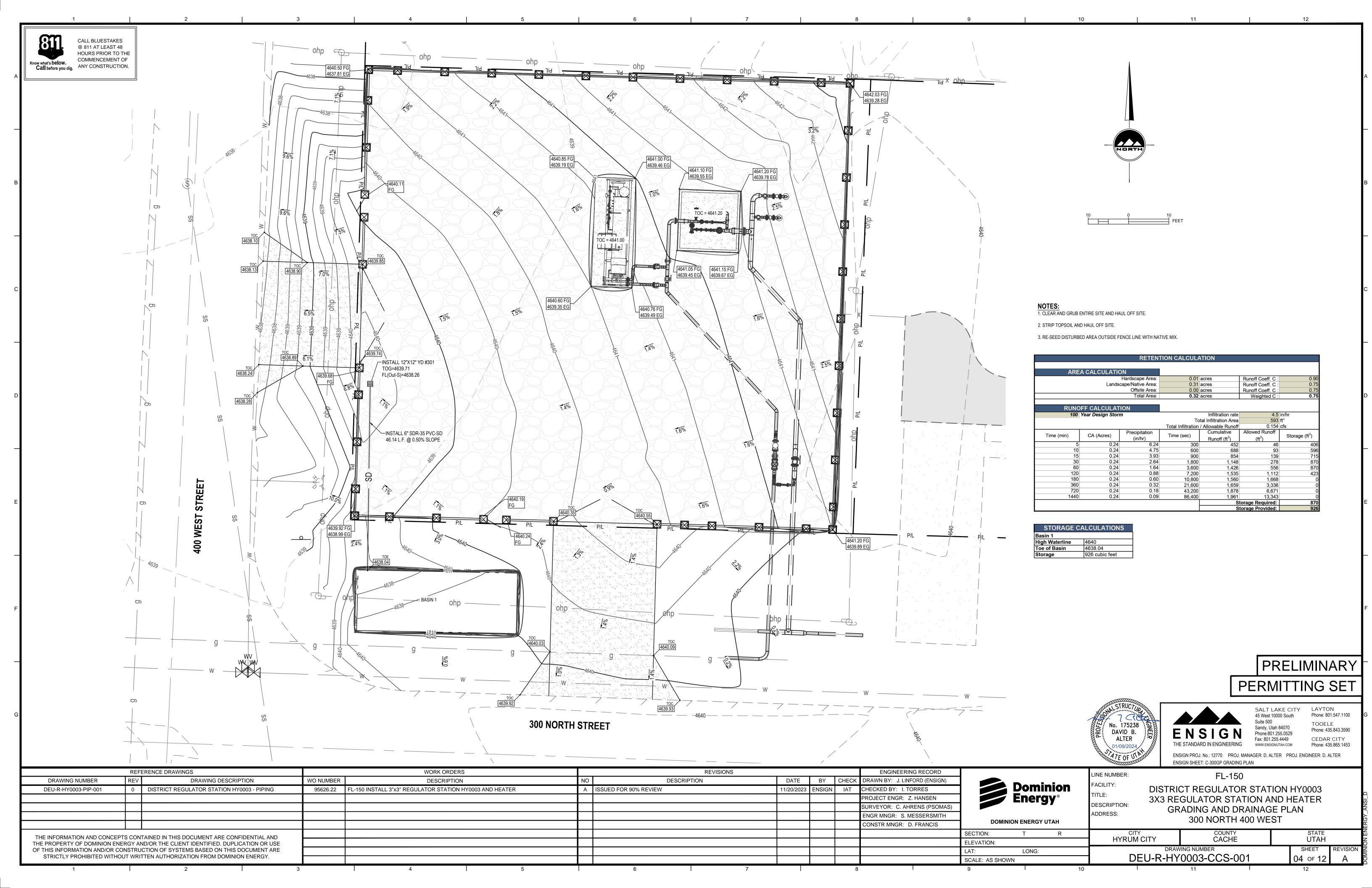
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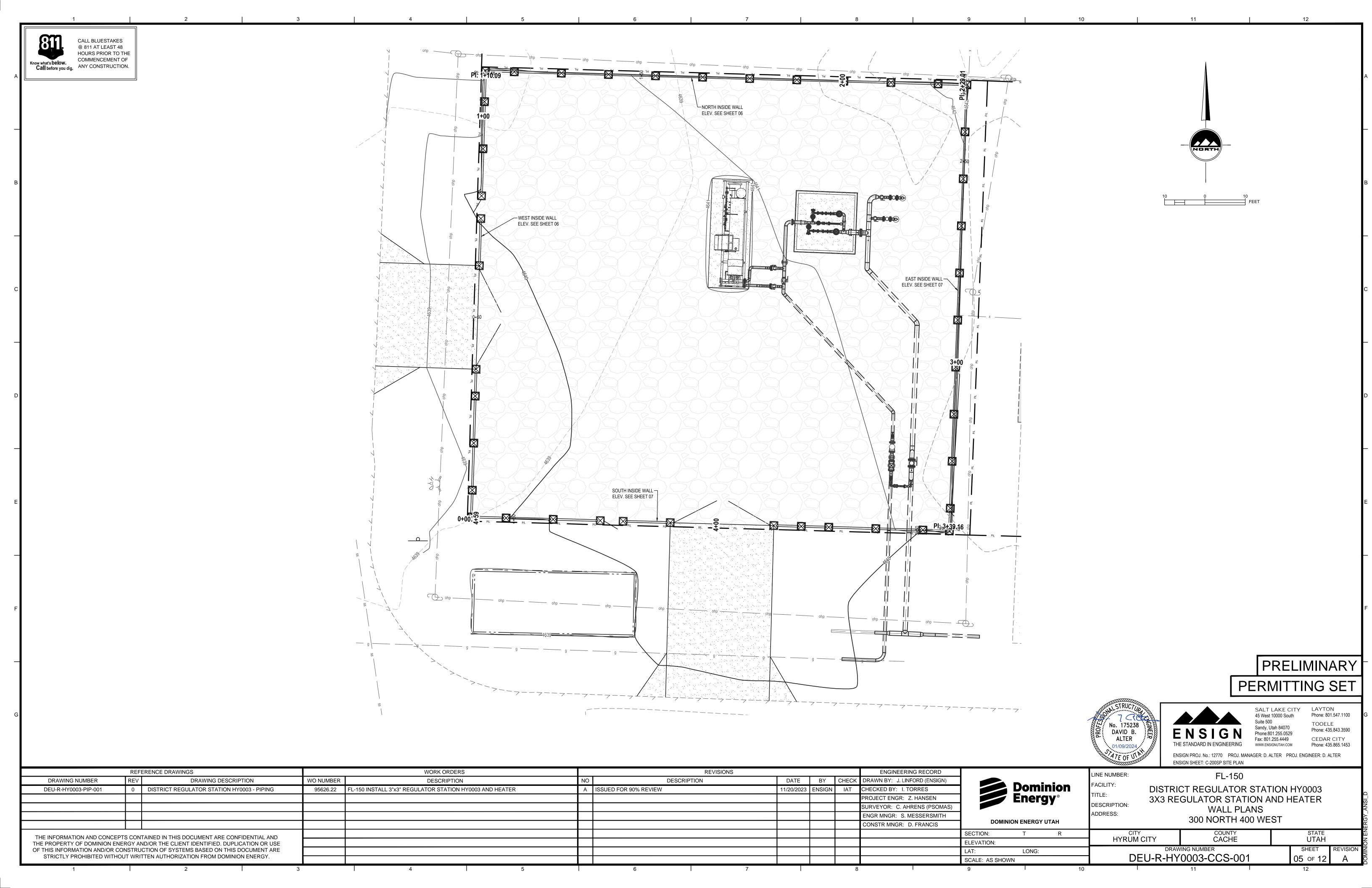
02 of 12

OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE

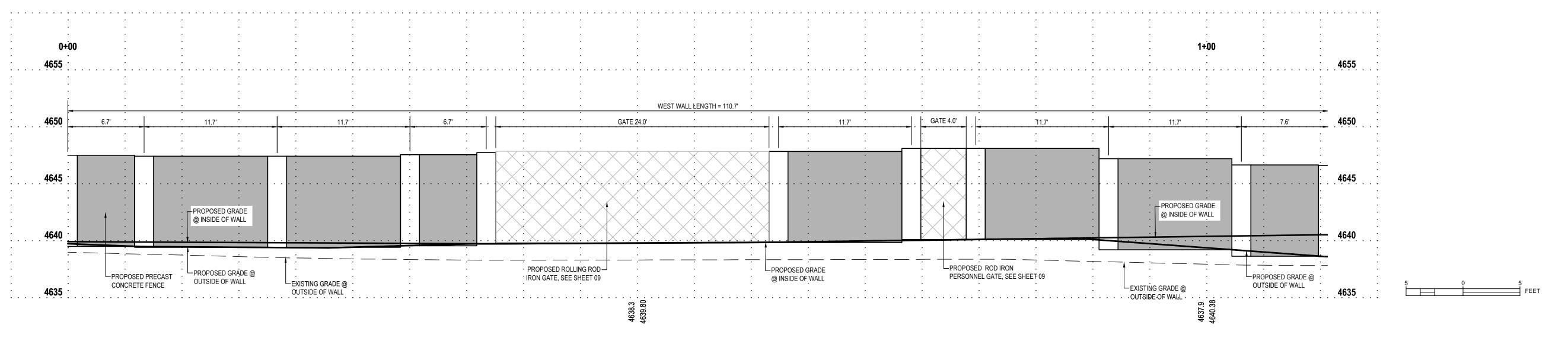
STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.



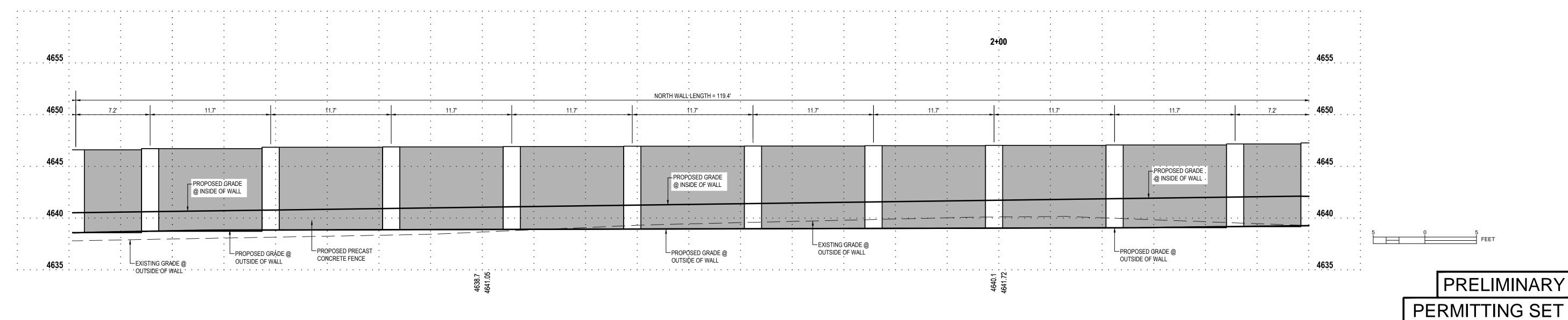








WEST WALL PROFILE VIEWED FROM INSIDE FACE OF WALL



NORTH WALL PROFILE VIEWED FROM INSIDE FACE OF WALL

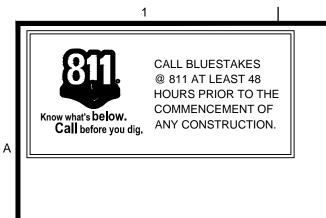


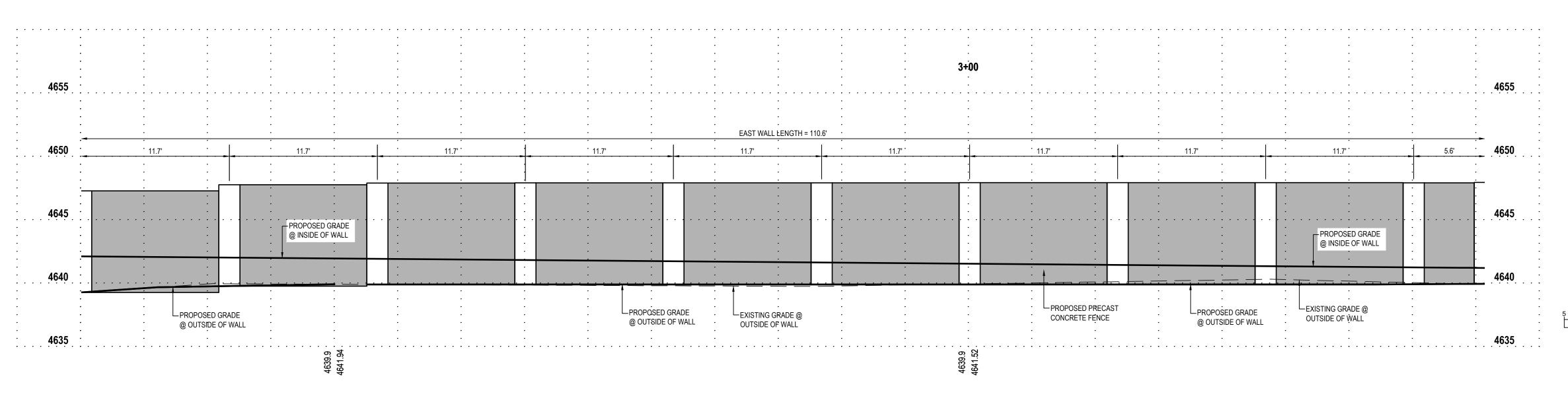
SALT LAKE CITY LAYTON 45 West 10000 South Phone: 801.547.1100 Sandy, Utah 84070 Phone:801.255.0529 Fax: 801.255.4449

TOOELE Phone: 435.843.3590 CEDAR CITY Phone: 435.865.1453

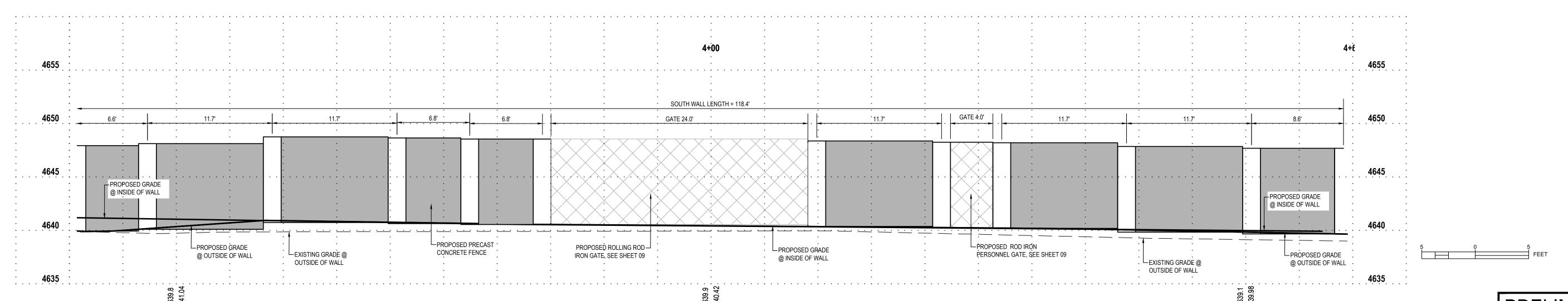
ENSIGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER ENSIGN SHEET: C-200SP SITE PLAN

REFERENCE DRAWINGS			WORK ORDERS		REVISIONS			ENGINEERING RECORD		LINE NUMBER:	FL-150	
DRAWING NUMBER	REV DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	Y CHECK	K DRAWN BY: J. LINFORD (ENSIGN)		EACH ITV:		
DEU-R-HY0003-PIP-001	0 DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	FL-150 INSTALL 3"x3" REGULATOR STATION HY0003 AND HEATER	A ISSUED FOR 90% REV	IEW	11/20/2023 EN	SIGN IAT	CHECKED BY: I. TORRES	Dominion	FACILITY: DISTF	RICT REGULATOR STATI	ON HY0003
								PROJECT ENGR: Z. HANSEN	Energy ®	3X3 R	REGULATOR STATION AN	ND HEATER
								SURVEYOR: C. AHRENS (PSOMAS)		DESCRIPTION:	WALL PLANS	
								ENGR MNGR: S. MESSERSMITH]	ADDRESS:	300 NORTH 400 WES	eT.
								CONSTR MNGR: D. FRANCIS	DOMINION ENERGY UTAH		300 NONTH 400 WES)
THE INFORMATION AND CONCE	EPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND								SECTION: T R	CITY	COUNTY	STATE
	NERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE								ELEVATION:	HYRUM CITY	CACHE	UTAH
	CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE								LAT: LONG:	■	AWING NUMBER	SHEET REVISION
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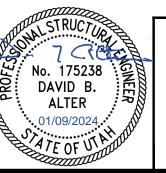


EAST WALL PROFILE VIEWED FROM INSIDE FACE OF WALL



SOUTH WALL PROFILE VIEWED FROM INSIDE FACE OF WALL

PRELIMINARY PERMITTING SET SALT LAKE CITY LAYTON 45 West 10000 South Phone: 801.547.1100

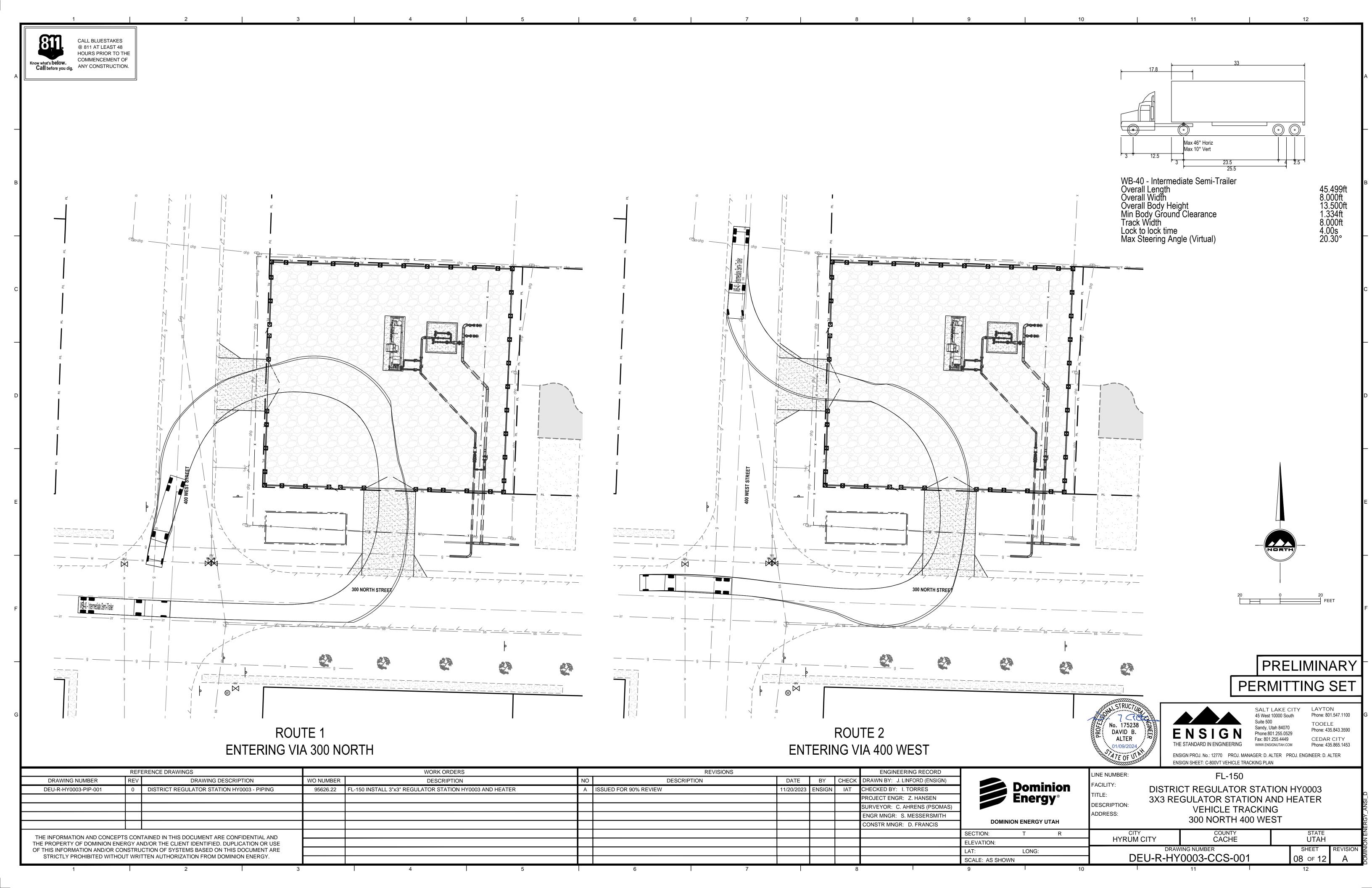


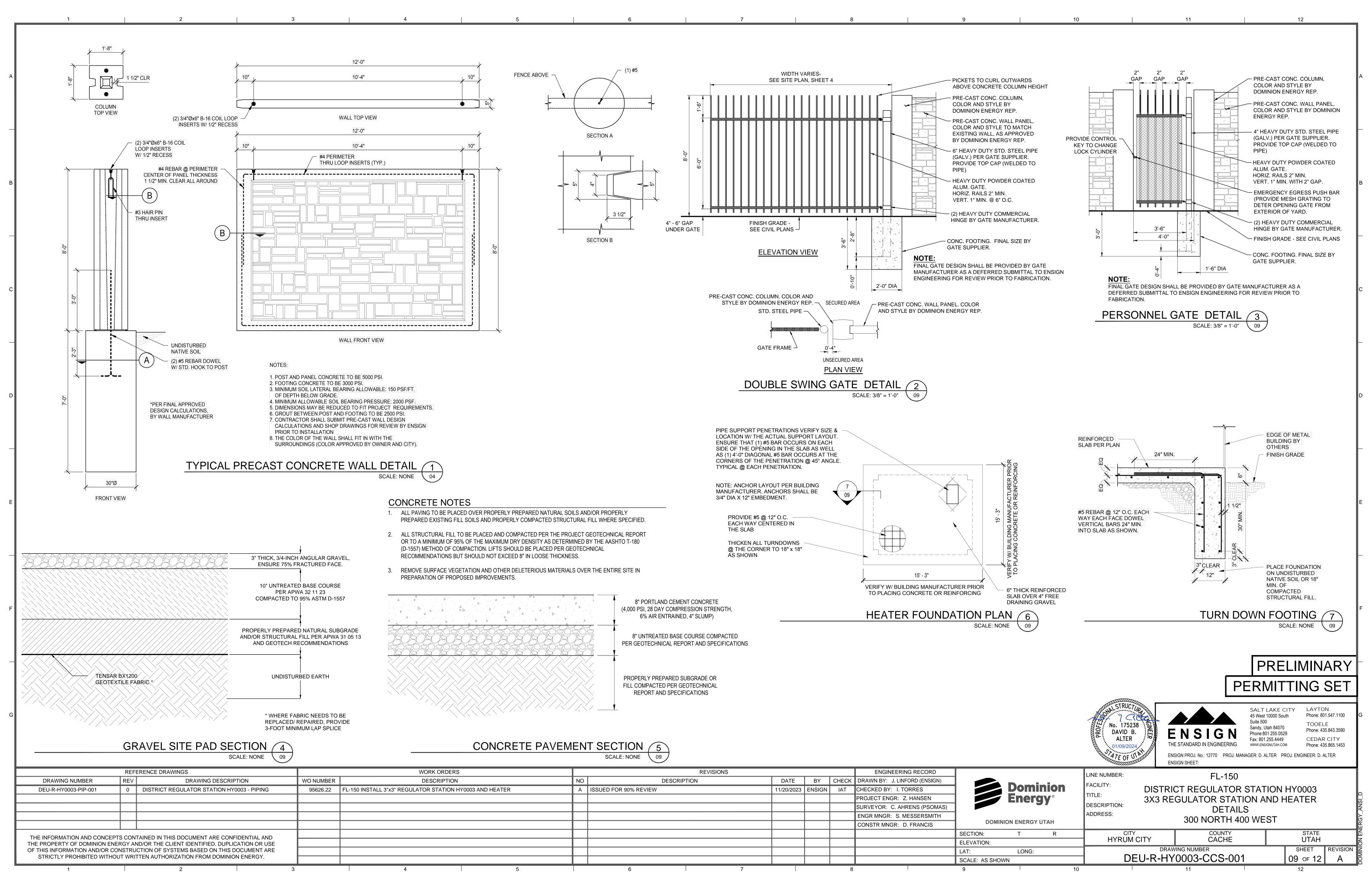
Sandy, Utah 84070 Phone:801.255.0529 Fax: 801.255.4449

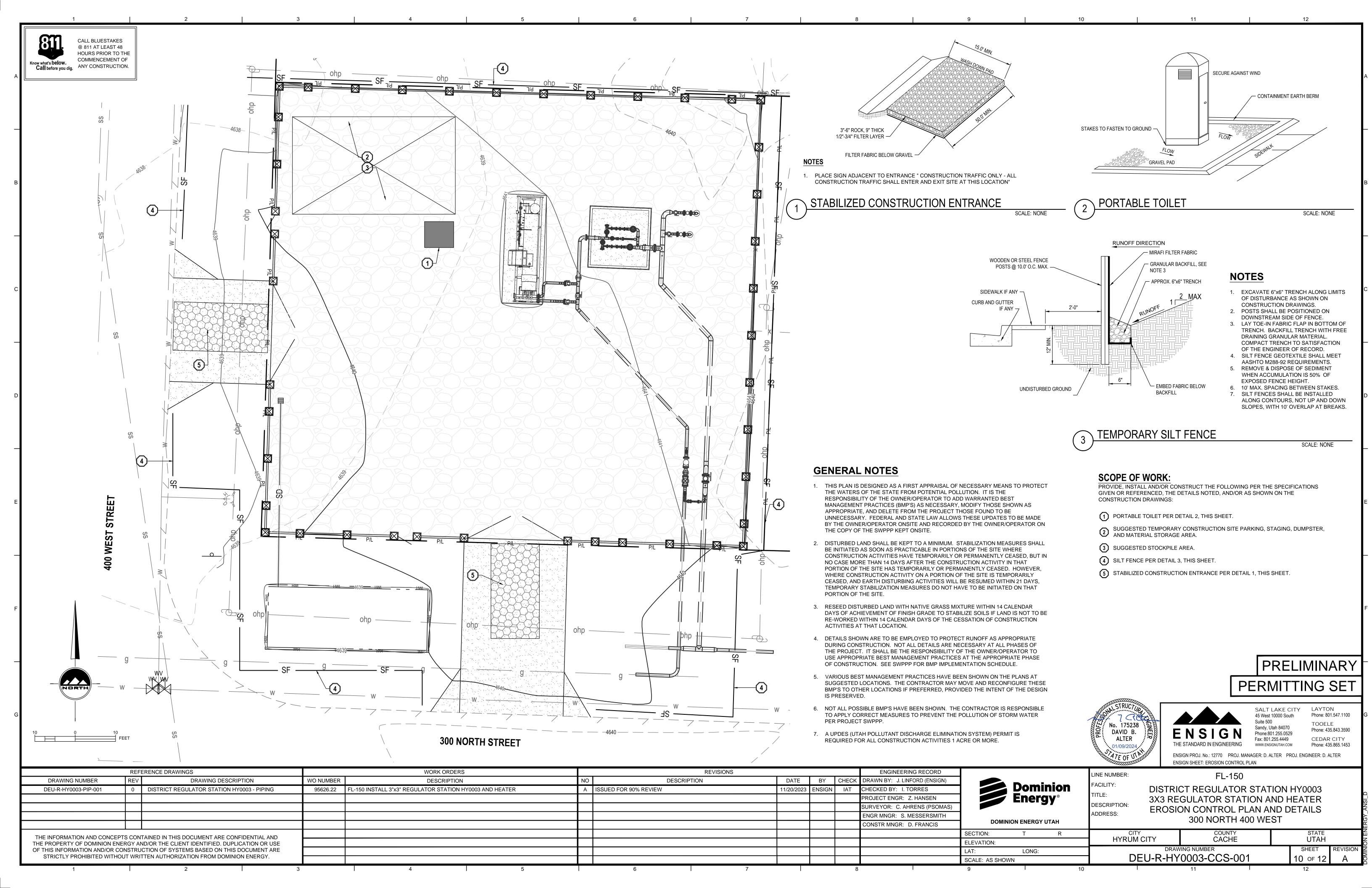
TOOELE Phone: 435.843.3590 CEDAR CITY Phone: 435.865.1453

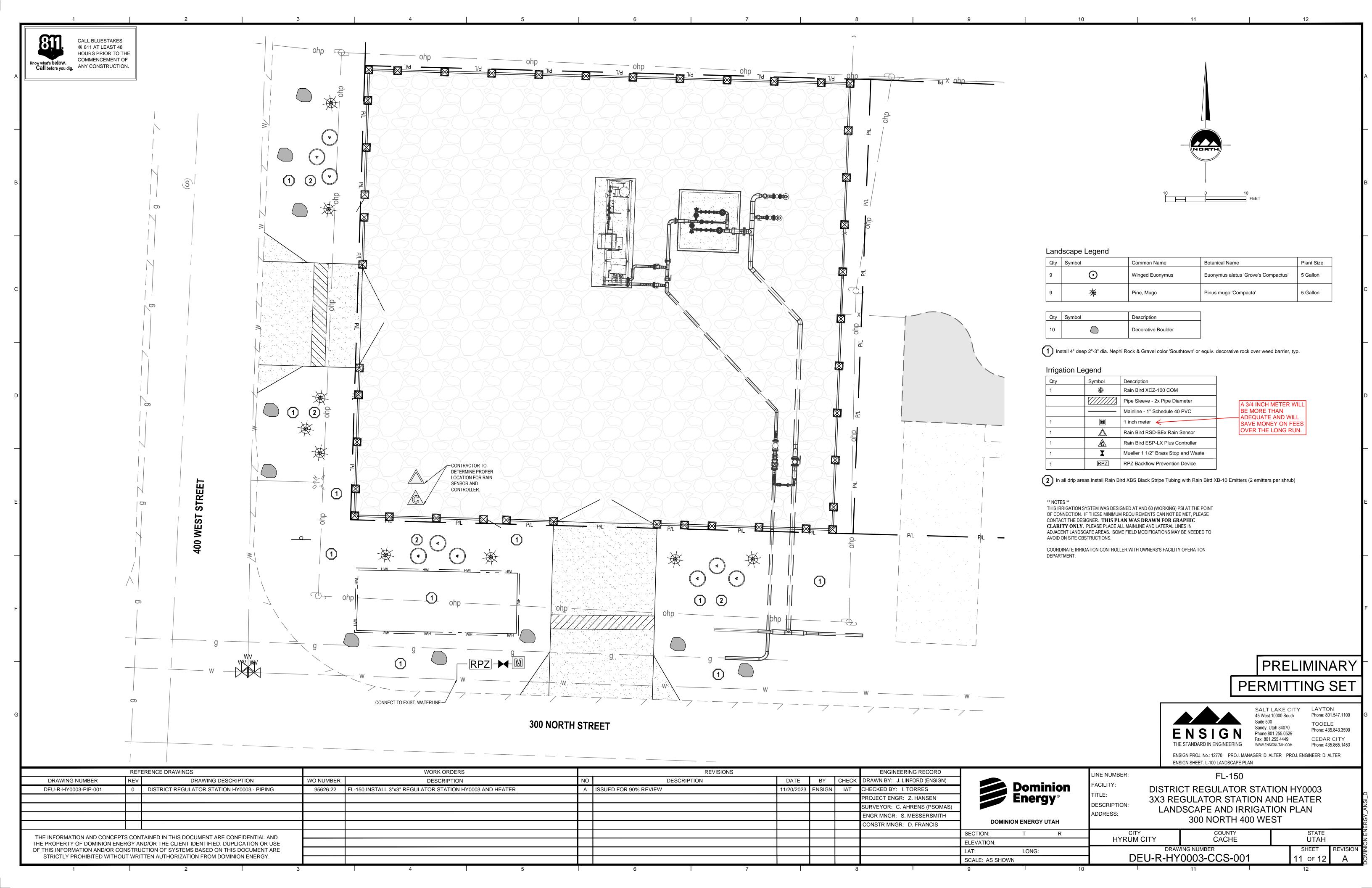
ENSIGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER ENSIGN SHEET: C-200SP SITE PLAN

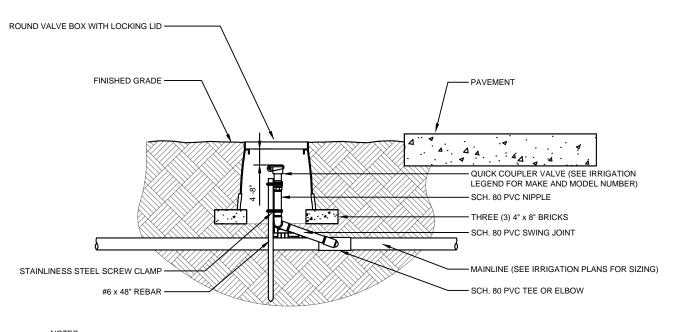
REFERENCE DRAWINGS		WORK ORDERS			REVISIONS			ENGINEERING RECORD		LINE NUMBER:	FL-150	
DRAWING NUMBER	REV DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY CHECK	DRAWN BY: J. LINFORD (ENSIGN)		FACILITY:		
DEU-R-HY0003-PIP-001	0 DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	FL-150 INSTALL 3"x3" REGULATOR STATION HY0003 AND HEATER	A ISSUED FOR 90% I	REVIEW	11/20/2023 EN	SIGN IAT	CHECKED BY: I. TORRES	Dominion	FACILITY:	STRICT REGULATOR STAT	FION HY0003
								PROJECT ENGR: Z. HANSEN	Energy ®	3X	3 REGULATOR STATION A	
								SURVEYOR: C. AHRENS (PSOMAS)		DESCRIPTION:	WALL PLANS	
								ENGR MNGR: S. MESSERSMITH		ADDRESS:	300 NORTH 400 WE	TQT
								CONSTR MNGR: D. FRANCIS	DOMINION ENERGY UTAH		300 NON 111 400 WE	-31
THE INFORMATION AND CONC	EPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND								SECTION: T R	CITY	COUNTY	STATE
	ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE								ELEVATION:	HYRUM CITY	CACHE	UTAH
	OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.								LAT: LONG:		DRAWING NUMBER	SHEET REVISION
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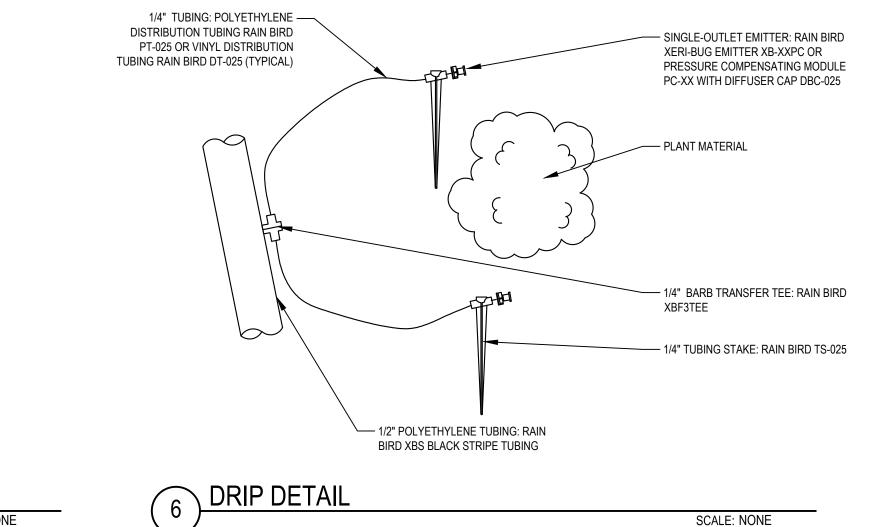






1-ALL THREADED CONNECTIONS SHALL BE INSTALLED USING TEFLON TAPE.

- 2-VALVE BOX SHALL BE WRAPPED WITH A MINIMUM 3 MIL THICK PLASTIC AND SECURED TO THE VALVE BOX USING DUCT TAPE OR ELECTRICAL TAPE.
- 3- ALL QUICK COUPLERS SHALL BE INSTALLED A MINIMUM OF 18" OFF OF THE MAINLINE
- 4-VALVE BOXED SHALL BE LOCATED IN PLANTING AREAS.

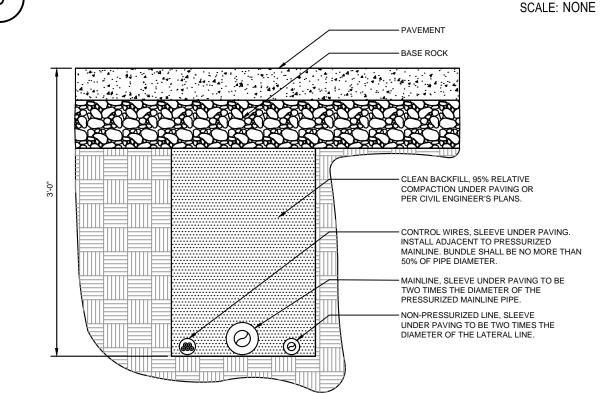


PAVEMENT -FINISHED GRADE -NON-PRESSURIZED LINE (LATERAL LINE) — DETECTABLE LOCATOR TAPE DIRECT BURIAL LOW -VOLTAGE CONTROL WIRES - PRESSURIZED LINE (MAINLINE) 1- SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE. 2- DIRECT BURIAL CONTROL WIRES SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT IF REQUIRED.

3- 2-WIRE IRRIGATION WIRE SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT

4- DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN





1-SEE IRRIGATION LEGEND FOR MAINLINE SIZE AND TYPE.

2-ALL SLEEVES SHALL BE SCH. 40 PVC PIPE.

3-ALL SLEEVES SHALL EXTEND 12" BEYOND THE EDGE OF PAVEMENT.

4-END OF SLEEVES SHALL BE LOCATED WITH A WOODEN STAKE OR PVC PIPE. LOCATORS SHALL RUN CONTINUOUSLY FROM THE END OF THE

PIPE BENEATH PAVEMENT

REFERENCE DRAWINGS

- BACKFLOW CAGE. 4" THICK CONCRETE -FOOTING 1" ABOVE FINISHED GRADE. — FINISHED GRADE. ---- BACKFLOW CAGE — 4" THICK CONCRETE FOOTING — CONCRETE FOOTING

- BACKFLOW PREVENTION DEVICE.

SCALE: NONE

(SEE IRRIGATION LEGEND FOR MAKE AND MODEL).

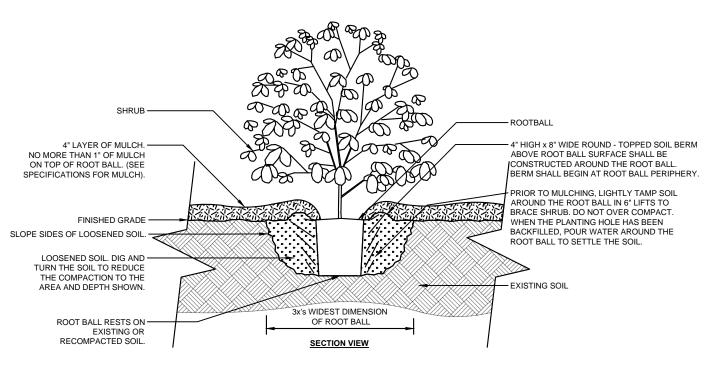
PLAN VIEW 1- INSTALL BACKFLOW CAGE PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

2- SEE BACKFLOW PREVENTION DEVICE DETAIL FOR REFERENCE.

2- LOCK BOX SHALL BE LOCATED ABOVE CONCRETE FOOTING. 3- CONTRACTOR SHALL PROVIDE A LOCK AS APPROVED BY THE OWNER'S REPRESENTATIVE.

BACKFLOW CAGE

SCALE: NONE



1- SHRUBS SHALL BE OF QUALITY PRESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS. 2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

WORK ORDERS

CONTROL VALVE

7- VALVE BOXES SHALL BE LOCATED IN PLANTING AREAS.

IRRIGATION TRENCHING

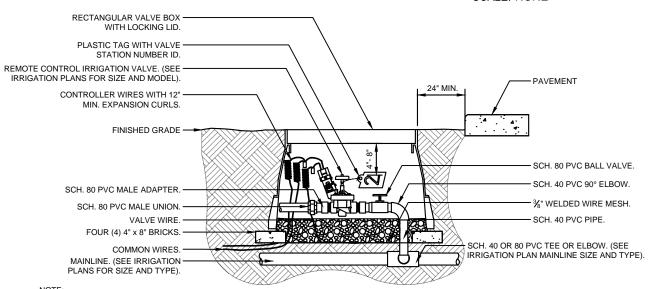
NOTES: 1- ALL IRRIGATION FITTINGS PRESSURE COMPENSATING BUBBLER SHALL BE SET 1" ABOVE FINISHED GRADE. (SEE SHALL BE SCH. 40 PVC UNLESS IRRIGATION LEGEND FOR MAKE AND MODEL). SPECIFIED OTHERWISE. - SWING JOINT. SEE DETAIL 2- ALL THREADED CONNECTIONS FROM SCH. 40 TO SCH. 80 PVC SHALL BE MADE USING TEFLON - SCH. 40 PVC 90° ELBOW SLIP TO THREAD - LATERAL LINE IRRIGATION. 3- CONTRACTOR SHALL SETTLE (SEE IRRIGATION PLANS FOR SIZING). THE AREA AROUND THE BUBBLER AND EDGE OF THE ROOT BALL SO THAT ALL DGE OF ROOT BALL. SETTLE BACKFILL SO THAT IRRIGATION FLOWS THROUGH THE ROOT BALL. IRRIGATION FLOWS THROUGH THE ROOT BALL SECTION VIEW - EDGE OF ROOT BALL. - SWING JOINT, SEE DETAIL — SCH. 40 PVC 90° ELBOW SLIP TO THREAD. - EXISTING OR MODIFIED SOIL. (SEE SPECIFICATIONS FOR SOIL MODIFICATION). SCH. 40 PVC TEE OR 90° ELBOW.

- LATERAL LINE IRRIGATION. (SEE IRRIGATION PLANS FOR SIZING).

SCALE: NONE

SCALE: NONE

BUBBLER DETAIL SCALE: NONE RECTANGULAR VALVE BOX -



1- LOCATE VALVE BOX WITHIN 24" OF PAVEMENT EDGE IN PLANTING AREA WHERE EASILY ACCESSIBLE WHENEVER POSSIBLE. 2- COMMON WIRE AND CONTROLLER WIRE SHALL BE DIRECT BURIAL 14 AWG OR LARGER. COLOR: COMMON (WHITE), CONTROLLER WIRE FOR TURF (BLUE), AND CONTROLLER WIRE FOR SHRUBS (RED), (SEE SPECIFICATIONS FOR 2-WIRE CONTROLLERS), 3- ALL WIRE RUNS SHALL BE CONTINUOUS WITHOUT ANY SPLICES UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE. SEE SPLICE BOX DETAIL. WIRE CONNECTIONS SHALL BE MADE USING DBR/Y-6 CONNECTORS OR APPROVED EQUAL. 4-VALVE BOX SHALL BE WRAPPED WITH MIN. 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE. 5- MAINLINES 4" OR LARGER SHALL USE SADDLES AT THE CONNECTIONS POINTS TO THE IRRIGATION VALVE. (SEE SPECIFICATIONS FOR 6- ALL SCH. 80 PVC TO SCH. 40 PVC THREADED CONNECTIONS SHALL BE MADE USING TEFLON TAPE.

ENGINEERING RECORD



Suite 500 TOOELE Sandy, Utah 84070 Phone: 435.843.3590 Phone:801.255.0529 Fax: 801.255.4449 WWW.ENSIGNUTAH.COM

ENSIGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER **ENSIGN SHEET:**

DRAWING NUMBER REV DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NC	O DESCRIPTION	DATE	BY	CHE	CK DRAWN BY: J. LINFORD (ENSIGN)		EINE NOMBER	FL-150		
DEU-R-HY0003-PIP-001 0 DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	FL-150 INSTALL 3"x3" REGULATOR STATION HY0003 AND HEATER	A	A ISSUED FOR 90% REVIEW	11/20/2023	3 ENSIG		T CHECKED BY: I. TORRES	Dominion	FACILITY:	DISTRICT REGULATOR STAT	TION HY0003	
								PROJECT ENGR: Z. HANSEN	Energy ®	TITLE:	3X3 REGULATOR STATION A	ND HEATER	
								SURVEYOR: C. AHRENS (PSOMAS)		DESCRIPTION:	LANDSCAPE AND IRRIGATION	ON DETAILS	NA.
								ENGR MNGR: S. MESSERSMITH		ADDRESS:	300 NORTH 400 WE		> \ \-
								CONSTR MNGR: D. FRANCIS	DOMINION ENERGY UTAH		300 NON 111 400 WE	.01	ER(
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REVISIONS

BACKFLOW PREVENTION DEVICE. (SEE ---BRASS BALL VALVE THE IRRIGATION PLANS FOR MAKE AND MODEL). INSTALL THE DEVICE PER THE THREADED GALVANIZED NIPPLE LOCAL WATER PURVEYOR'S STANDARDS AND SPECIFICATIONS. GALVANIZED NINETY DEGREE (90°) ELBOW GALVANIZED NIPPLE -GALVANIZED UNION 4" THICK CONCRETE PAD, 1" ABOVE -WRAP 20 MIL TAPE TWICE FINISHED GRADE. SEE BACKFLOW AROUND ALL GALVANIZED CAGE DETAIL. PIPE UNDER FINISHED GRADE AND THROUGH THE CONCRETE -GALVANIZED NIPPLE ─GALVANIZED COUPLING — SCH. 80 PVC MALE ADAPTER CONCRETE THRUST BLOCKS REQUIRED ON BACKFLOW DEVICES 2.5" AND LARGER

1- ALL ASSEMBLY PARTS (THREADED NIPPLES, FITTINGS, ETC.) SHALL BE GALVANIZED OR BRASS PER LOCAL CODES AND REQUIREMENTS.

2- GALVANIZED NIPPLE SHALL EXTEND 12" PAST THE EDGE OF THE CONCRETE FOOTING. 3- SCH. 80 PVC MALE ADAPTER SHALL BE USED IN CONNECTION FROM GALVANIZED TO THE MAINLINE.

4- BACKFLOW PREVENTION DEVICE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE LANDSCAPE METER 5- BACKFLOW PREVENTION DEVICE SHALL BE LOCATED IN PLANTING AREA UNLESS APPROVED BY OWNER'S REPRESENTATIVE.

6- SEE DETAIL FOR BACKFLOW CAGE INSTALLATION. 7- ALL BACKFLOW PREVENTION DEVICES SHALL HAVE FREEZE BLANKET INCLUDED UPON INSTALLATION.

8- ALL GALVANIZED CONNECTIONS SHALL TO BE MADE USING PIPE THREAD SEALANT. ALL SCH. 80 PVC TO GALVANIZED CONNECTIONS TO BE MADE USING TEFLON TAPE. 9-NOTE FOR THE CONTRACTOR/COORDINATOR: PREVENTER TO BE TESTED ON INSTALLATION AND THAT DOCUMENT TO BE FILLED WITH PROJECT

DOCUMENTS.

BACKFLOW PREVENTER

2" PVC ELECTRICAL CONDUIT FOR REMOTE — - PEDESTAL MOUNTED CONTROLLER. -CONTROL WIRES UP TO 24 STATIONS. (SEE IRRIGATION LEGEND FOR MAKE AND MODEL. INSTALL CONTROLLER 1" PVC ELECTRICAL CONDUIT FOR INPUT -PER THE MANUFACTURER'S POWER PER LOCAL AND NATIONAL. SPECIFICATIONS.) 1/2" DIA. x 4" LONG CADIUM PLATED 'J ANCHOR BOLTS AT 4 LOCATIONS. OPTIONAL 2" ELECTRICAL -CONDUIT FOR AN ADDITIONAL 24 STATIONS. MANUFACTURE'S SPECIFICATIONS) 1" PVC ELECTRICAL CONDUIT — FOR GROUNDING ROD WIRE. -1" PVC ELECTRICAL CONDUIT-FOR SENSOR WIRES. FRONT ELEVATION SIDE ELEVATION

1- COMMON AND CONTROLLER WIRE TO BE BUNDLED USING ELECTRICAL TAPE AT 10'-0" ON CENTER.

2- GROUNDING RODS SHALL BE LOCATED BETWEEN 8'-0" AND 12'-0" AWAY FROM THE CONTROLLER. GROUNDING RODS SHALL BE 🔏" IN DIA. x 8' IN LENGTH. CONNECT THE GROUNDING ROD TO THE CONTROLLER USING 6 GAUGE BARE COPPER WIRE OR PER THE MANUFACTURER'S SPECIFICATIONS.

3- ET STATION TO BE INSTALLED NO FURTHER THAN 90' AWAY FROM THE CONTROLLER AND A MINIMUM OF 15' OFF OF THE GROUND, OUT FROM UNDER ANY OVERHEAD OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO BUILDING OVERHANDS, TREES, OR UTILITIES.

4-IRRIGATION SYSTEM CONTRACTOR SHALL PROVIDE INITIAL SYSTEM START-UP AND OPERATION INSTRUCTION AND TRAINING (INCLUDING WINTERIZING AND SHUTDOWN INSTRUCTIONS) TO DESIGNATED DOMINION ENERGY PERSONNEL, PRIOR TO PROJECT CLOSEOUT).

IRRIGATION CONTROLLER

LINE NUMBER:

SCALE: NONE

SCALE: NONE

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