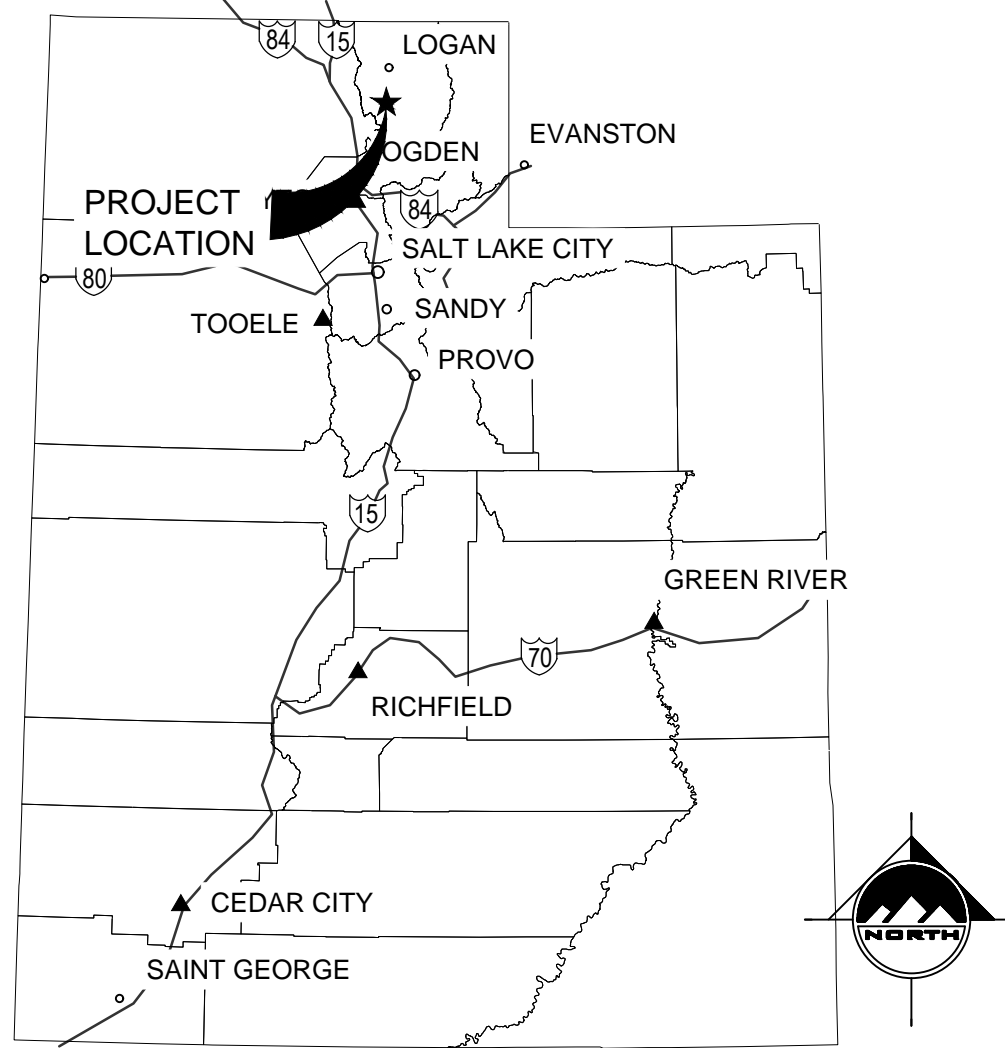


**811**  
 Know what's below.  
 Call before you dig.

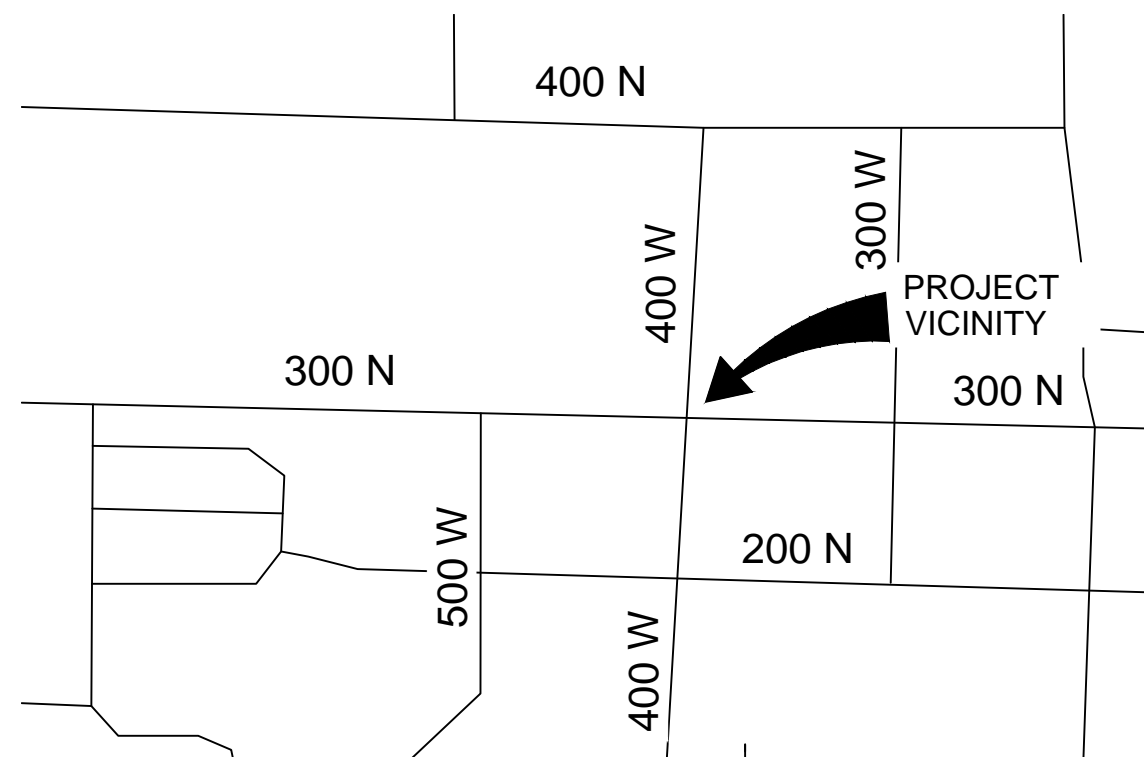
CALL BLUESTAKES  
 @ 811 AT LEAST 48  
 HOURS PRIOR TO THE  
 COMMENCEMENT OF  
 ANY CONSTRUCTION.

# DOMINION ENERGY HYRUM CITY REGULATOR STATION

## 300 N 400 W HYRUM, UTAH 84319



LOCATION MAP  
 NO SCALE



VICINITY MAP  
 NO SCALE

PROJECT DRAWINGS		
GENERAL DRAWINGS		
DRAWING	REV	DESCRIPTION
DEU-R-HY003-CCS-001 SHEET 01 OF 12	A	COVER SHEET
DEU-R-HY003-CCS-001 SHEET 02 OF 12	A	GENERAL NOTES
CIVIL DRAWINGS		
DEU-R-HY003-CCS-001 SHEET 03 OF 12	A	SITE PLAN
DEU-R-HY003-CCS-001 SHEET 04 OF 12	A	GRADING PLAN
DEU-R-HY003-CCS-001 SHEET 05 OF 12	A	WALL PLAN
DEU-R-HY003-CCS-001 SHEET 06 OF 12	A	WALL PLAN
DEU-R-HY003-CCS-001 SHEET 07 OF 12	A	WALL PLAN
DEU-R-HY003-CCS-001 SHEET 08 OF 12	A	VEHICLE ROUTE TRACKING
DEU-R-HY003-CCS-001 SHEET 09 OF 12	A	DETAILS
DEU-R-HY003-CCS-001 SHEET 10 OF 12	A	EROSION CONTROL PLAN AND DETAILS
LANDSCAPE DRAWINGS		
DEU-R-HY003-CCS-001 SHEET 11 OF 12	A	LANDSCAPE AND IRRIGATION PLAN
DEU-R-HY003-CCS-001 SHEET 12 OF 12	A	LANDSCAPE AND IRRIGATION DETAILS

### NOTICE TO DEVELOPER/CONTRACTOR

UNAPPROVED DRAWINGS REPRESENT WORK IN PROGRESS, ARE SUBJECT TO CHANGE, AND DO NOT CONSTITUTE A FINISHED ENGINEERING PRODUCT. ANY WORK UNDERTAKEN BY DEVELOPER OR CONTRACTOR BEFORE PLANS ARE APPROVED IS UNDERTAKEN AT THE SOLE RISK OF THE DEVELOPER OR CONTRACTOR, INCLUDING BUT NOT LIMITED TO BIDS, ESTIMATION, FINANCING, BONDING, SITE CLEARING, GRADING, INFRASTRUCTURE CONSTRUCTION, ETC.

### 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 CONTACTS

ROLE	NAME	PHONE
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

**PRELIMINARY  
 PERMITTING SET**

DATE PRINTED  
 01/09/2024



**ENSIGN**  
 THE STANDARD IN ENGINEERING

SALT LAKE CITY: 45 West 10000 South, Suite 500, Sandy, Utah 84070. Phone: 801.255.0529, Fax: 801.255.4449, www.ensignutah.com

LAYTON: 801.547.1100  
 TOOELE: 435.843.3590  
 CEDAR CITY: 435.865.1453

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		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY: J. LINFORD (ENSIGN)
DEU-R-HY003-PIP-001	0	DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	FL-150 INSTALL 3"x3" REGULATOR STATION HY0003 AND HEATER	A	11/20/2023	ENSIGN	IAT	CHECKED BY: I. TORRES
									PROJECT ENGR: Z. HANSEN
									SURVEYOR: C. AHRENS (PSOMAS)
									ENGR MNGR: S. MESSERSMITH
									CONSTR MNGR: D. FRANCIS

**Dominion Energy**  
 DOMINION ENERGY UTAH

SECTION: T R  
 ELEVATION:  
 LAT: LONG:  
 SCALE: AS SHOWN

LINE NUMBER: FL-150  
 FACILITY: DISTRICT REGULATOR STATION HY0003  
 TITLE: 3X3 REGULATOR STATION AND HEATER  
 DESCRIPTION: COVER SHEET  
 ADDRESS: 300 NORTH 400 WEST

CITY: HYRUM CITY COUNTY: CACHE STATE: UTAH

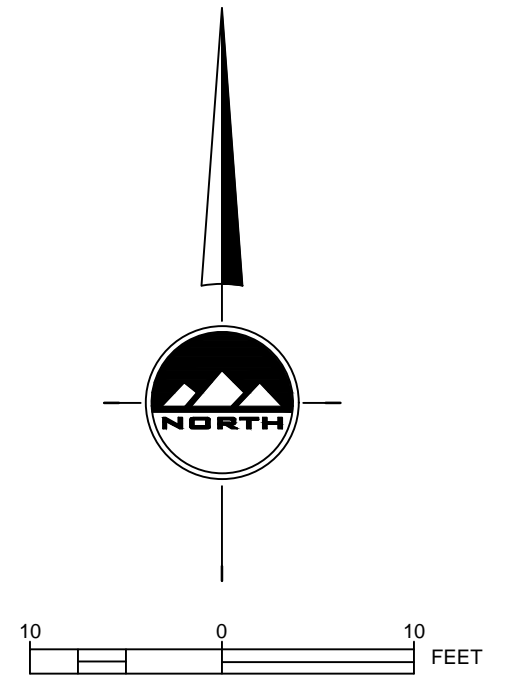
DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 01 OF 12 REVISION: A

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.





CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.



BASIS OF BEARING, BASIS OF ELEVATION, AND SITE BENCHMARKS

LOCATED IN SECTION 05, TOWNSHIP 10 NORTH,  
RANGE 1 EAST SALT LAKE BASE AND MERIDIAN  
BEING LOCATED NORTH 02°47'50" EAST 1360 FEET FROM STREET  
MONUMENT AT INTERSECTION OF 300 NORTH AND 400 WEST.

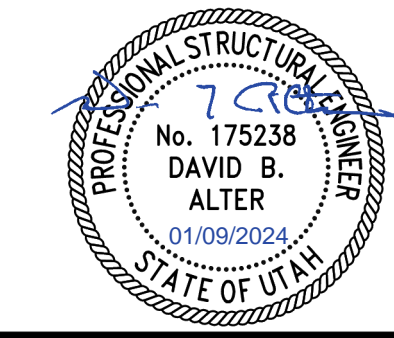
SCOPE OF WORK:  
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE  
DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

SITE PLAN PROPOSES TO PROVIDE CONCRET TO THE  
EDGE OF PAVEMENT. CURB AND GUTTER SHOULD BE  
PROVIDED OR CONCRETE SHOULD BE HELD BACK. THIS  
WILL CATCH THE EDGE OF SNOW PLOWS AND DAMAGE  
THE CITY VEHICLES.

400 WEST STREET

300 NORTH STREET

PRELIMINARY  
PERMITTING SET



**ENSIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4449  
WWW.ENSIGNUTAH.COM

LAYTON  
Phone: 801.547.1100  
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				
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:			
DEU-R-HY0003-PIP-001	0	DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	A	ISSUED FOR 90% REVIEW	11/20/2023	ENSIGN	IAT	J. LINFORD (ENSIGN)			
									CHECKED BY: I. TORRES			
									PROJECT ENGR: Z. HANSEN			
									SURVEYOR: C. AHRENS (PSOMAS)			
									ENGR MNGR: S. MESSERSMITH			
									CONSTR MNGR: D. FRANCIS			

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

**Dominion Energy**  
DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

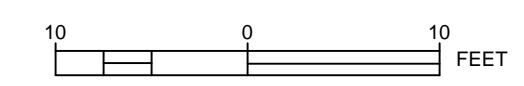
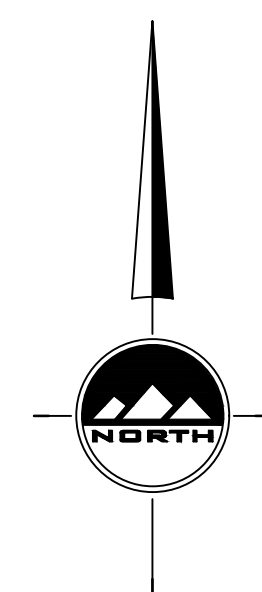
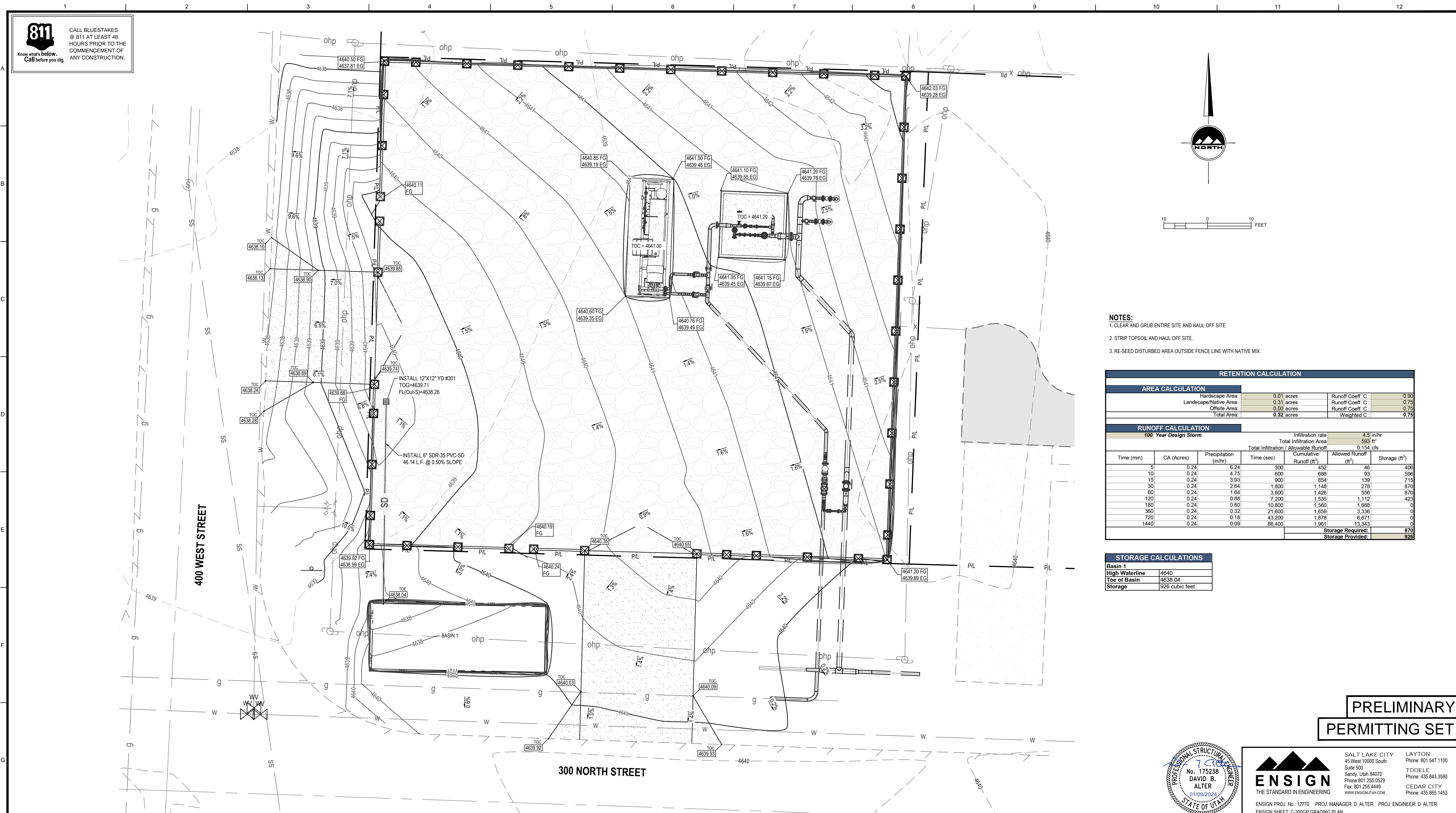
LINE NUMBER: FL-150  
FACILITY: DISTRICT REGULATOR STATION HY0003  
TITLE: 3X3 REGULATOR STATION AND HEATER  
DESCRIPTION: SITE PLAN  
ADDRESS: 300 NORTH 400 WEST

CITY: HYURM CITY COUNTY: CACHE STATE: UTAH

DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 03 OF 12 REVISION: A



CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.

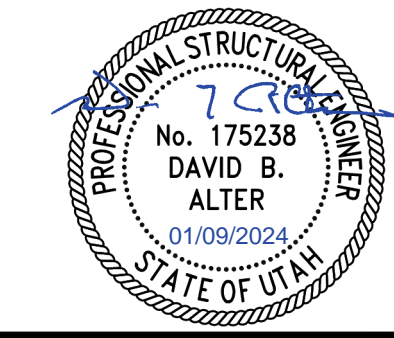


- NOTES:**
- CLEAR AND GRUB ENTIRE SITE AND HAUL OFF SITE.
  - STRIP TOPSOIL AND HAUL OFF SITE.
  - RE-SEED DISTURBED AREA OUTSIDE FENCE LINE WITH NATIVE MIX.

RETENTION CALCULATION						
<b>AREA CALCULATION</b>						
Hardscape Area:	0.01 acres	Runoff Coeff. C:	0.90			
Landscape/Native Area:	0.31 acres	Runoff Coeff. C:	0.75			
Offsite Area:	0.00 acres	Runoff Coeff. C:	0.75			
<b>Total Area:</b>	<b>0.32 acres</b>	<b>Weighted C:</b>	<b>0.75</b>			
<b>RUNOFF CALCULATION</b>						
<b>100 Year Design Storm</b>						
			Infiltration rate	4.5 in/hr		
			Total Infiltration Area	593 ft <sup>2</sup>		
			Total Infiltration / Allowable Runoff	0.154 cfs		
Time (min)	CA (Acres)	Precipitation (in/hr)	Time (sec)	Cumulative Runoff (ft <sup>3</sup> )	Allowed Runoff (ft <sup>3</sup> )	Storage (ft <sup>3</sup> )
5	0.24	6.24	300	452	46	406
10	0.24	4.75	600	886	93	596
15	0.24	3.93	900	854	139	715
30	0.24	2.64	1,800	1,148	278	870
60	0.24	1.64	3,600	1,426	556	870
120	0.24	0.88	7,200	1,535	1,112	423
180	0.24	0.60	10,800	1,560	1,666	0
360	0.24	0.32	21,600	1,659	3,336	0
720	0.24	0.18	43,200	1,678	6,671	0
1440	0.24	0.09	86,400	1,961	13,343	0
<b>Storage Required:</b>						<b>870</b>
<b>Storage Provided:</b>						<b>926</b>

STORAGE CALCULATIONS	
Basin 1	
High Waterline	4640
Toe of Basin	4638.04
Storage	926 cubic feet

**PRELIMINARY PERMITTING SET**



**ENSIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4449  
WWW.ENSIGNUTAH.COM

LAYTON  
Phone: 801.547.1100  
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-300GP GRADING PLAN

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS			ENGINEERING RECORD			
DRAWING 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	A	ISSUED FOR 90% REVIEW	11/20/2023	ENSIGN	IAT	CHECKED BY: I. TORRES
										PROJECT ENGR: Z. HANSEN
										SURVEYOR: C. AHRENS (PSOMAS)
										ENGR MNGR: S. MESSERSMITH
										CONSTR MNGR: D. FRANCIS

**Dominion Energy**  
DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

LINE NUMBER: FL-150  
FACILITY: DISTRICT REGULATOR STATION HY0003  
TITLE: 3X3 REGULATOR STATION AND HEATER  
DESCRIPTION: GRADING AND DRAINAGE PLAN  
ADDRESS: 300 NORTH 400 WEST

CITY: HYRUM CITY COUNTY: CACHE STATE: UTAH

DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 04 OF 12 REVISION: A

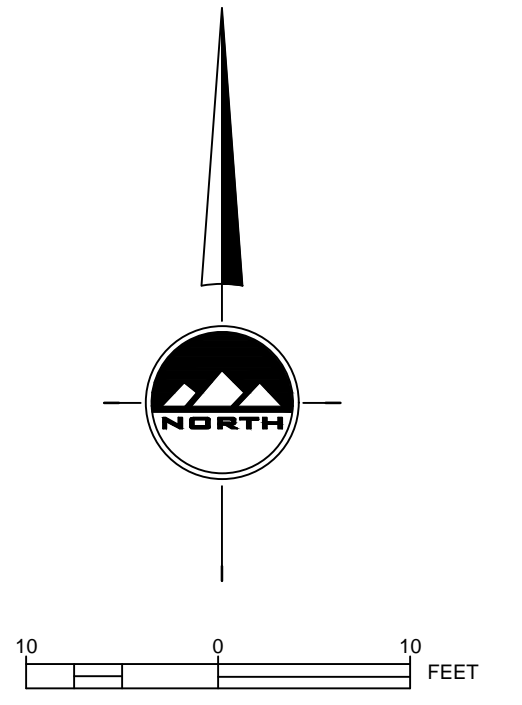
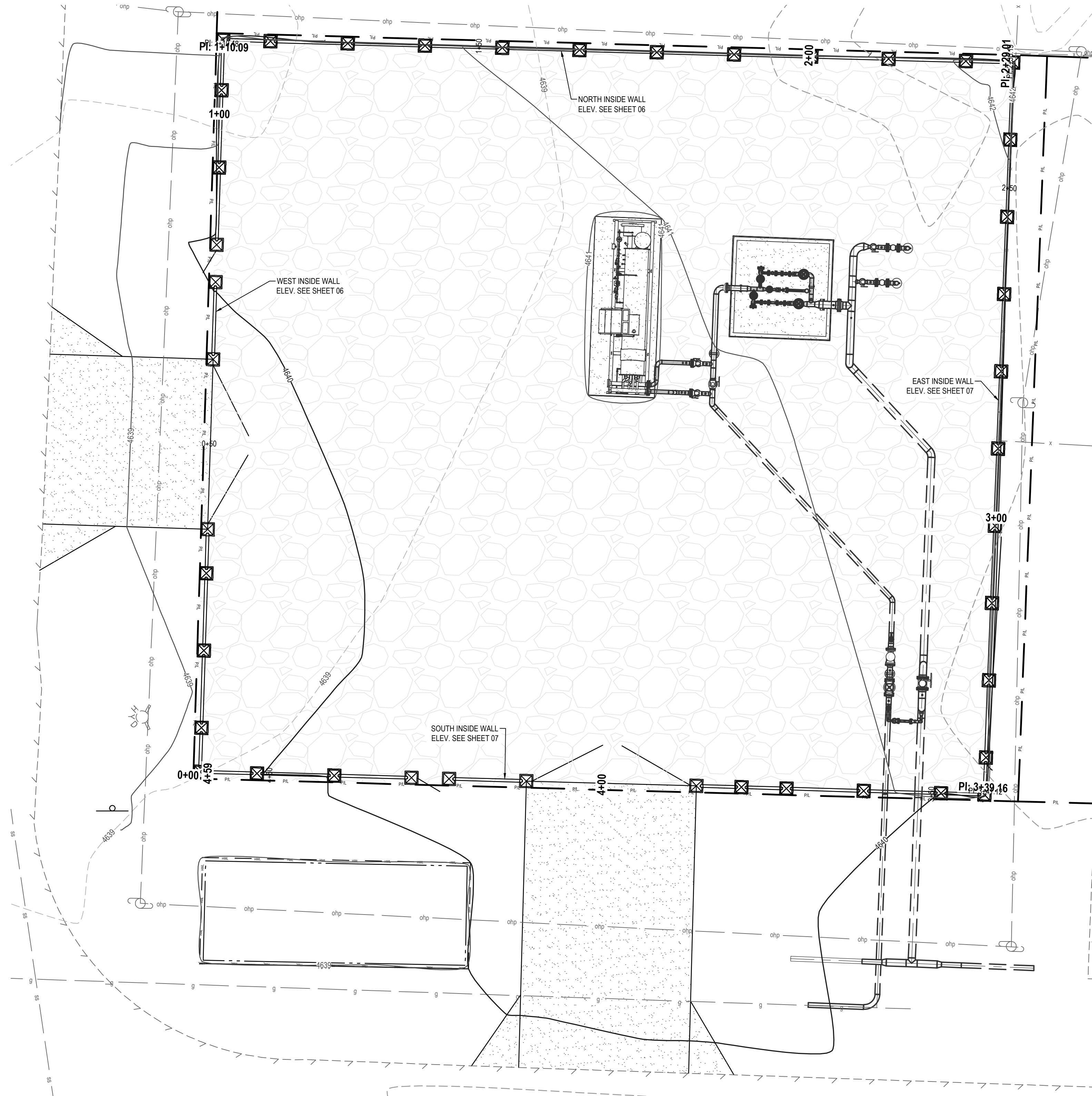
THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

DOMINION ENERGY - ANS12

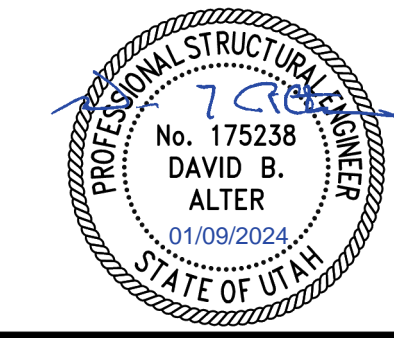


CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.

Know what's below.  
Call before you dig.



**PRELIMINARY  
PERMITTING SET**



**ENSIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4449  
WWW.ENSIGNUTAH.COM

LAYTON  
Phone: 801.547.1100

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				
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:
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% REVIEW	11/20/2023	ENSIGN	IAT	J. LINFORD (ENSIGN)	I. TORRES	Z. HANSEN	S. MESSERSMITH	D. FRANCIS

**Dominion Energy**  
DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

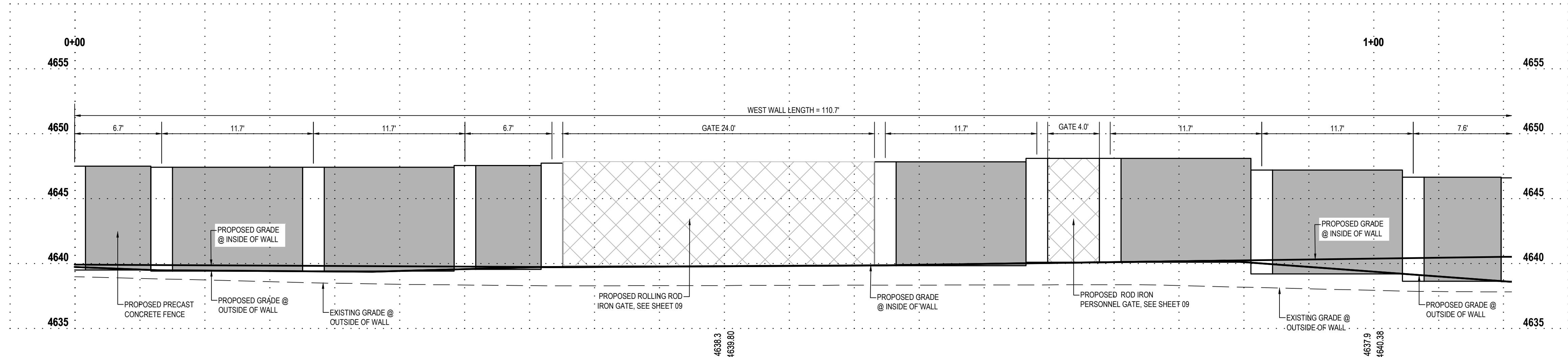
LINE NUMBER: FL-150	FACILITY: DISTRICT REGULATOR STATION HY0003		TITLE: 3X3 REGULATOR STATION AND HEATER		STATE UTAH	
DESCRIPTION: WALL PLANS			ADDRESS: 300 NORTH 400 WEST			
CITY HYRUM CITY	COUNTY CACHE	DRAWING NUMBER DEU-R-HY0003-CCS-001		SHEET 05 OF 12	REVISION A	

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

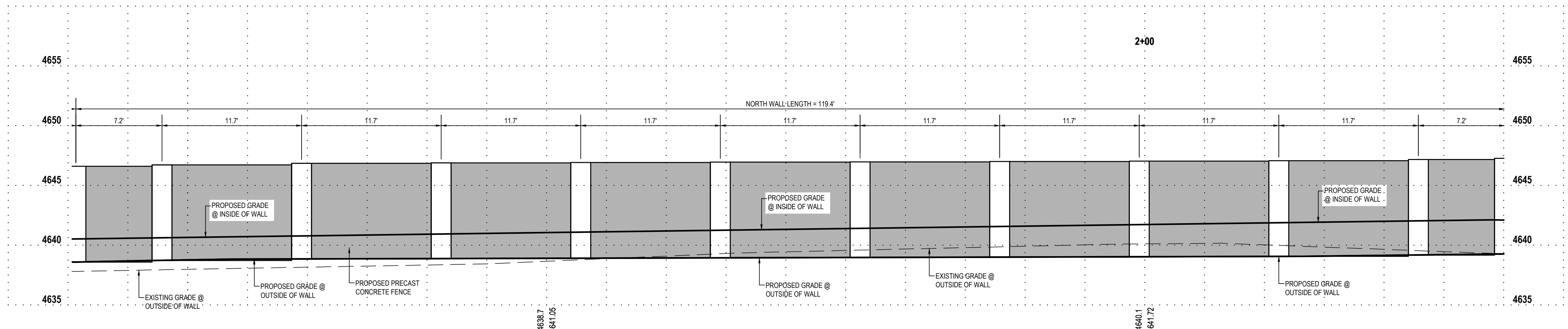
DOMINION ENERGY\_01512



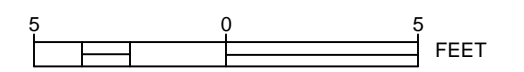
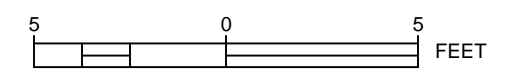
CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.  
Know what's below.  
Call before you dig.



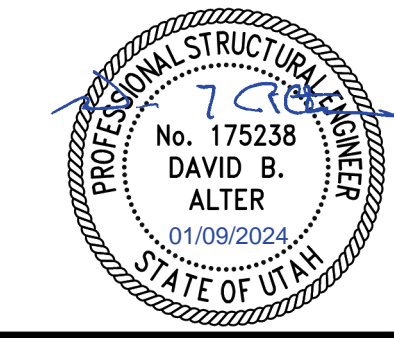
WEST WALL PROFILE  
VIEWED FROM INSIDE FACE OF WALL



NORTH WALL PROFILE  
VIEWED FROM INSIDE FACE OF WALL



**PRELIMINARY**  
**PERMITTING SET**



**ENSIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4449  
WWW.ENSIGNUTAH.COM

LAYTON  
Phone: 801.547.1100  
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

DRAWING NUMBER		REV	DRAWING DESCRIPTION	WO NUMBER	WORK ORDERS DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	ENGINEERING RECORD
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% REVIEW	11/20/2023	ENSIGN	IAT	DRAWN BY: J. LINFORD (ENSIGN) CHECKED BY: I. TORRES PROJECT ENGR: Z. HANSEN SURVEYOR: C. AHRENS (PSOMAS) ENGR MNGR: S. MESSERSMITH CONSTR MNGR: D. FRANCIS

**Dominion Energy**  
DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

LINE NUMBER: FL-150  
FACILITY: DISTRICT REGULATOR STATION HY0003  
TITLE: 3X3 REGULATOR STATION AND HEATER  
DESCRIPTION: WALL PLANS  
ADDRESS: 300 NORTH 400 WEST

CITY: HYRUM CITY COUNTY: CACHE STATE: UTAH

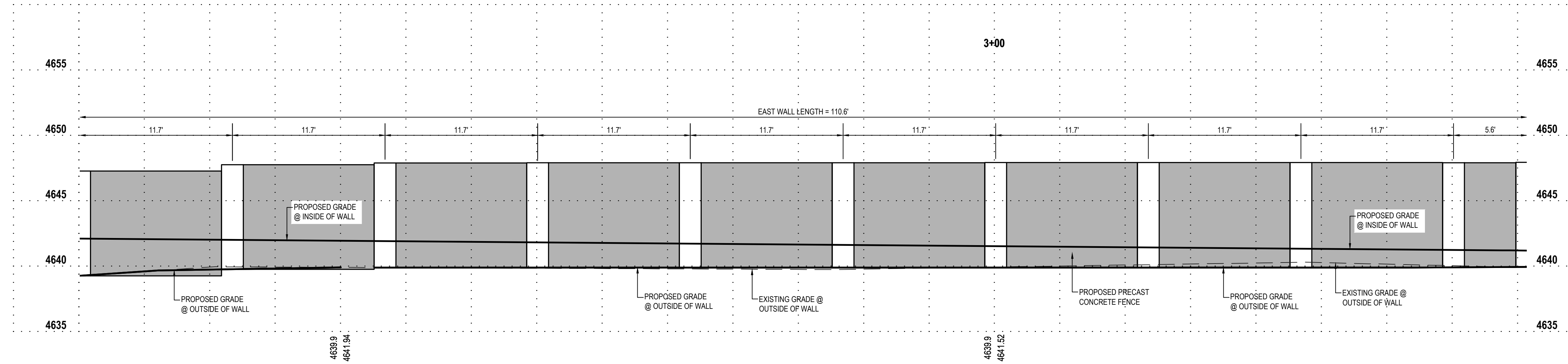
DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 06 OF 12 REVISION: A

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

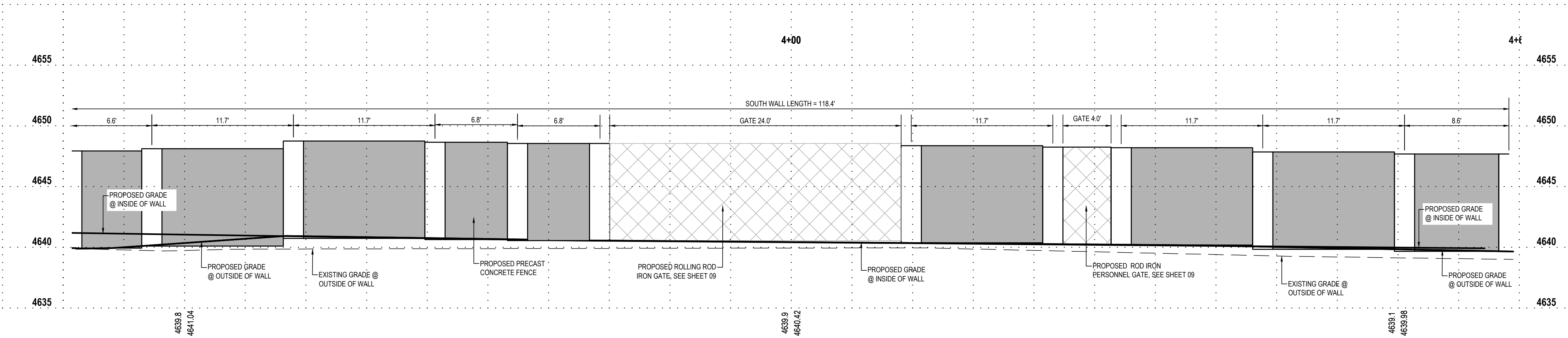
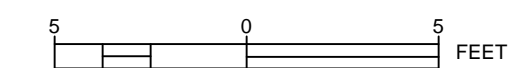
DOMINION ENERGY - ANS1D



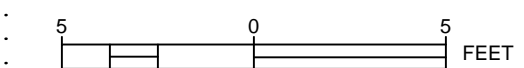
CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.  
Know what's below.  
Call before you dig.



**EAST WALL PROFILE  
VIEWED FROM INSIDE FACE OF WALL**



**SOUTH WALL PROFILE  
VIEWED FROM INSIDE FACE OF WALL**



**PRELIMINARY  
PERMITTING SET**



**ENSIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4449  
WWW.ENSIGNUTAH.COM

LAYTON  
Phone: 801.547.1100  
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					
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:
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% REVIEW	11/20/2023	ENSIGN	IAT	J. LINFORD (ENSIGN)	I. TORRES	Z. HANSEN	S. MESSERSMITH	D. FRANCIS

**Dominion Energy**  
DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

LINE NUMBER: FL-150  
FACILITY: DISTRICT REGULATOR STATION HY0003  
TITLE: 3X3 REGULATOR STATION AND HEATER  
DESCRIPTION: WALL PLANS  
ADDRESS: 300 NORTH 400 WEST

CITY: HYRUM CITY COUNTY: CACHE STATE: UTAH

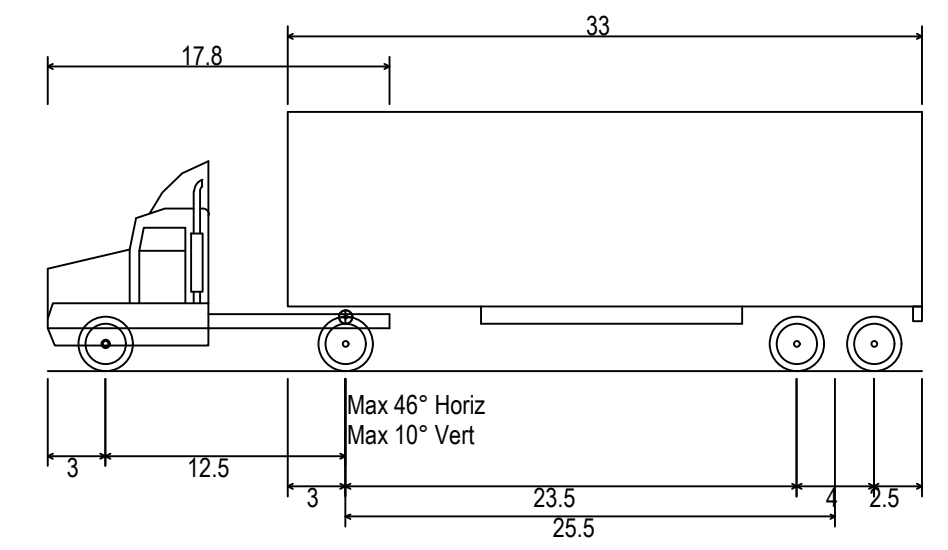
DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 07 OF 12 REVISION: A

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

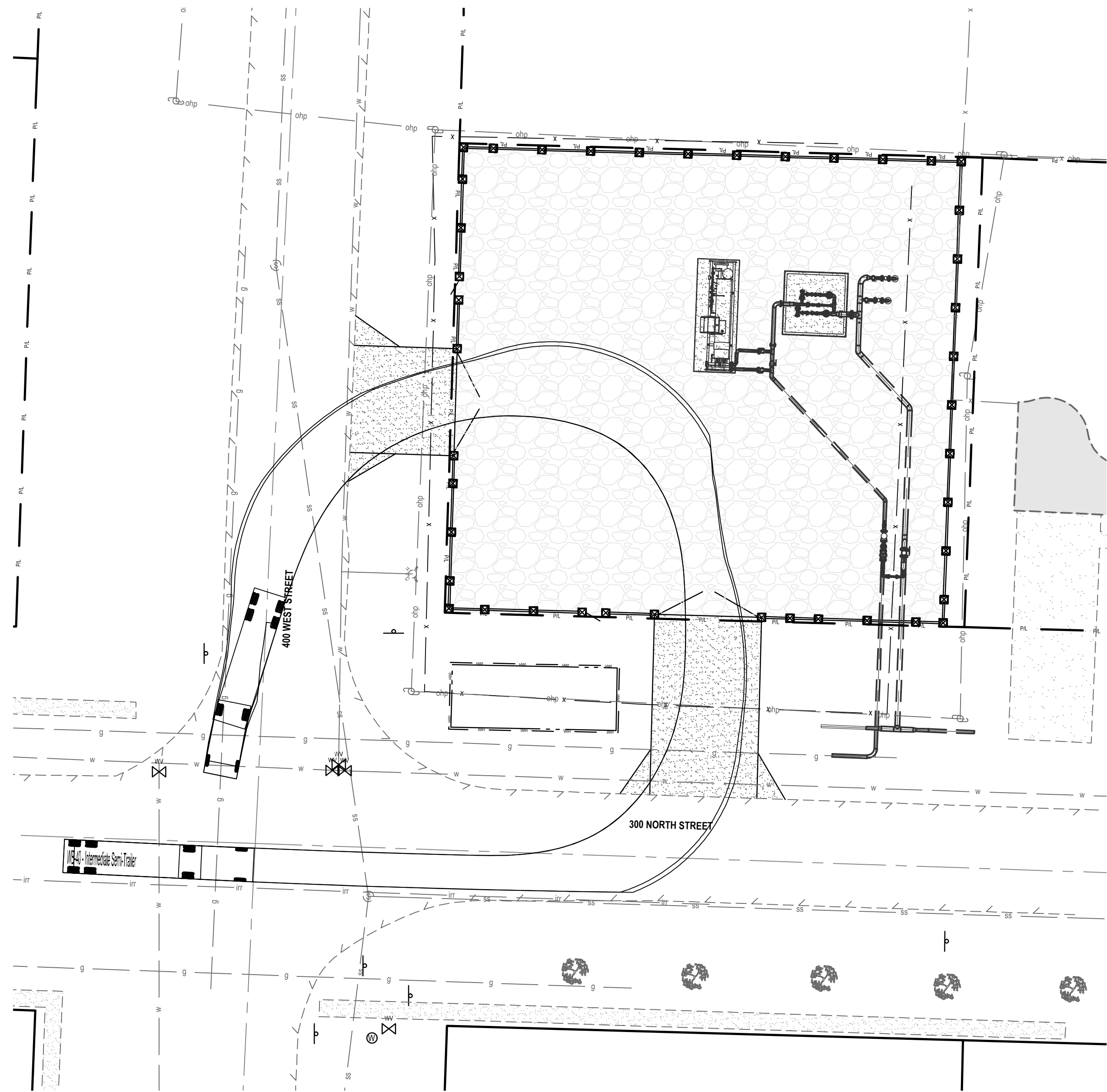
DOMINION ENERGY - ANS1D



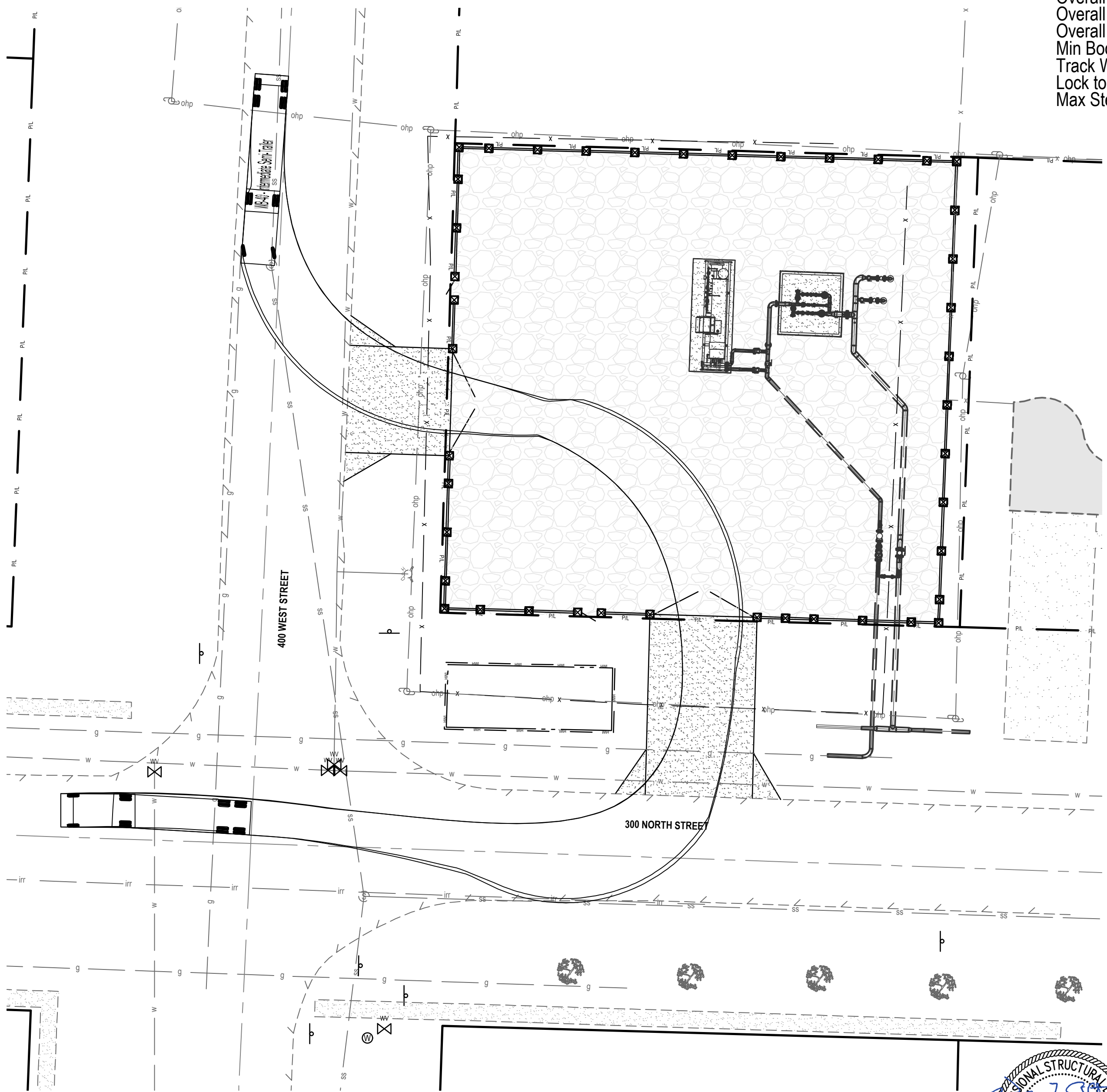
CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.



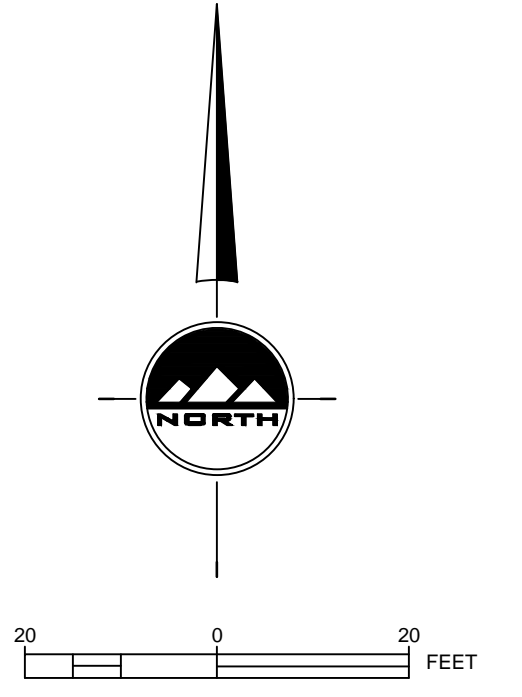
WB-40 - Intermediate Semi-Trailer  
Overall Length 45.499ft  
Overall Width 8.000ft  
Overall Body Height 13.500ft  
Min Body Ground Clearance 1.334ft  
Track Width 8.000ft  
Lock to lock time 4.00s  
Max Steering Angle (Virtual) 20.30°



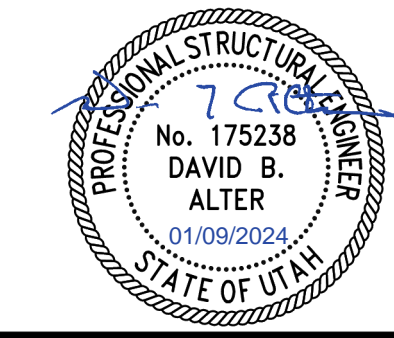
ROUTE 1  
ENTERING VIA 300 NORTH



ROUTE 2  
ENTERING VIA 400 WEST



**PRELIMINARY**  
**PERMITTING SET**



**ENSIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY 45 West 10000 South Suite 500 Sandy, Utah 84070 Phone: 801.255.0529 Fax: 801.255.4449 WWW.ENSIGNUTAH.COM

LAYTON Phone: 801.547.1100 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-800VT VEHICLE TRACKING PLAN

DRAWING NUMBER		REV		DRAWING DESCRIPTION		WO NUMBER		WORK ORDERS DESCRIPTION		NO		REVISIONS DESCRIPTION		DATE		BY		CHECK		ENGINEERING RECORD	
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% REVIEW		11/20/2023		ENSIGN		IAT		DRAWN BY: J. LINFORD (ENSIGN)	
																				CHECKED BY: I. TORRES	
																				PROJECT ENGR: Z. HANSEN	
																				SURVEYOR: C. AHRENS (PSOMAS)	
																				ENGR MNGR: S. MESSERSMITH	
																				CONSTR MNGR: D. FRANCIS	

**Dominion Energy**  
DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

LINE NUMBER: FL-150  
FACILITY: DISTRICT REGULATOR STATION HY0003  
TITLE: 3X3 REGULATOR STATION AND HEATER  
DESCRIPTION: VEHICLE TRACKING  
ADDRESS: 300 NORTH 400 WEST

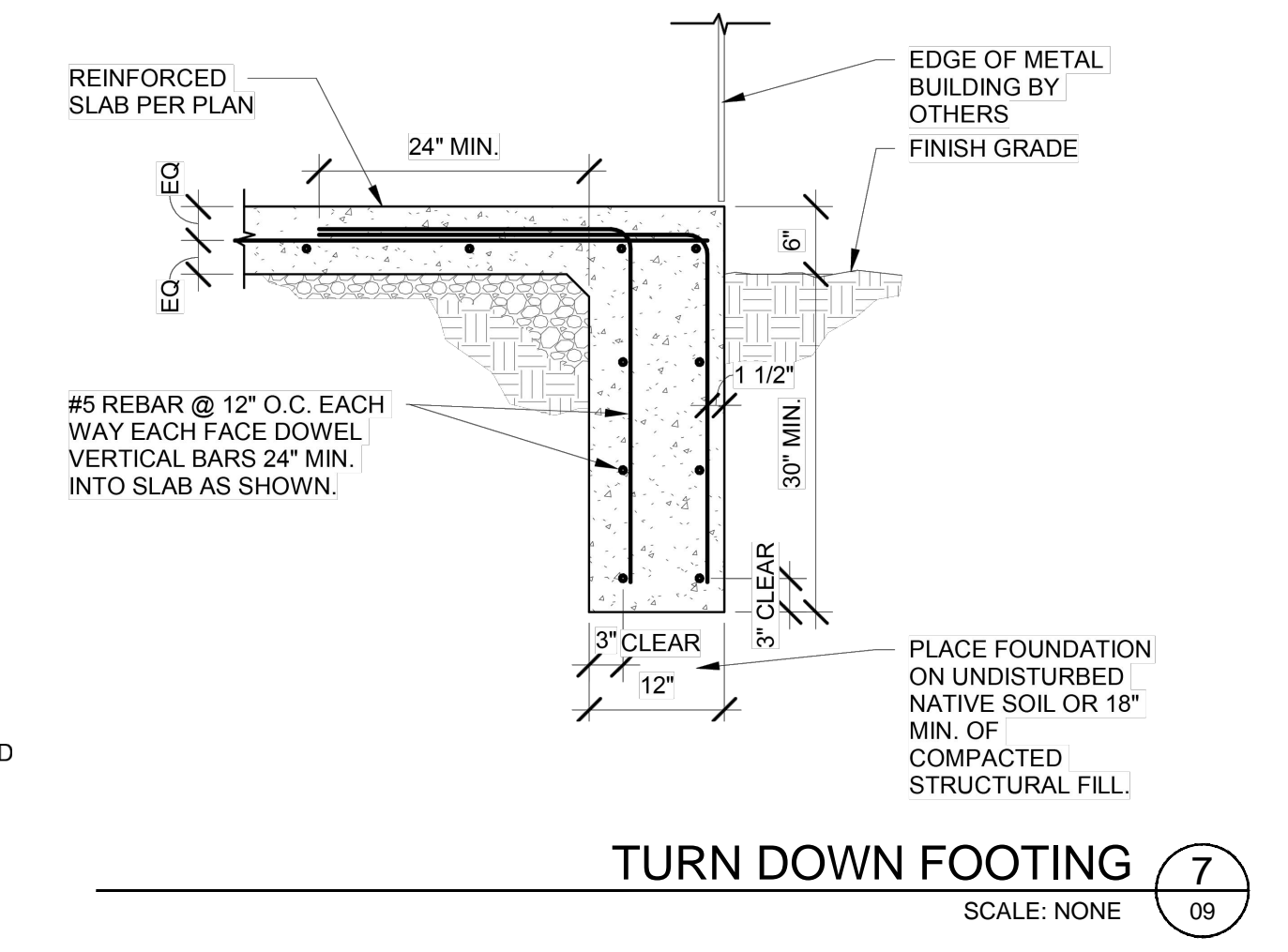
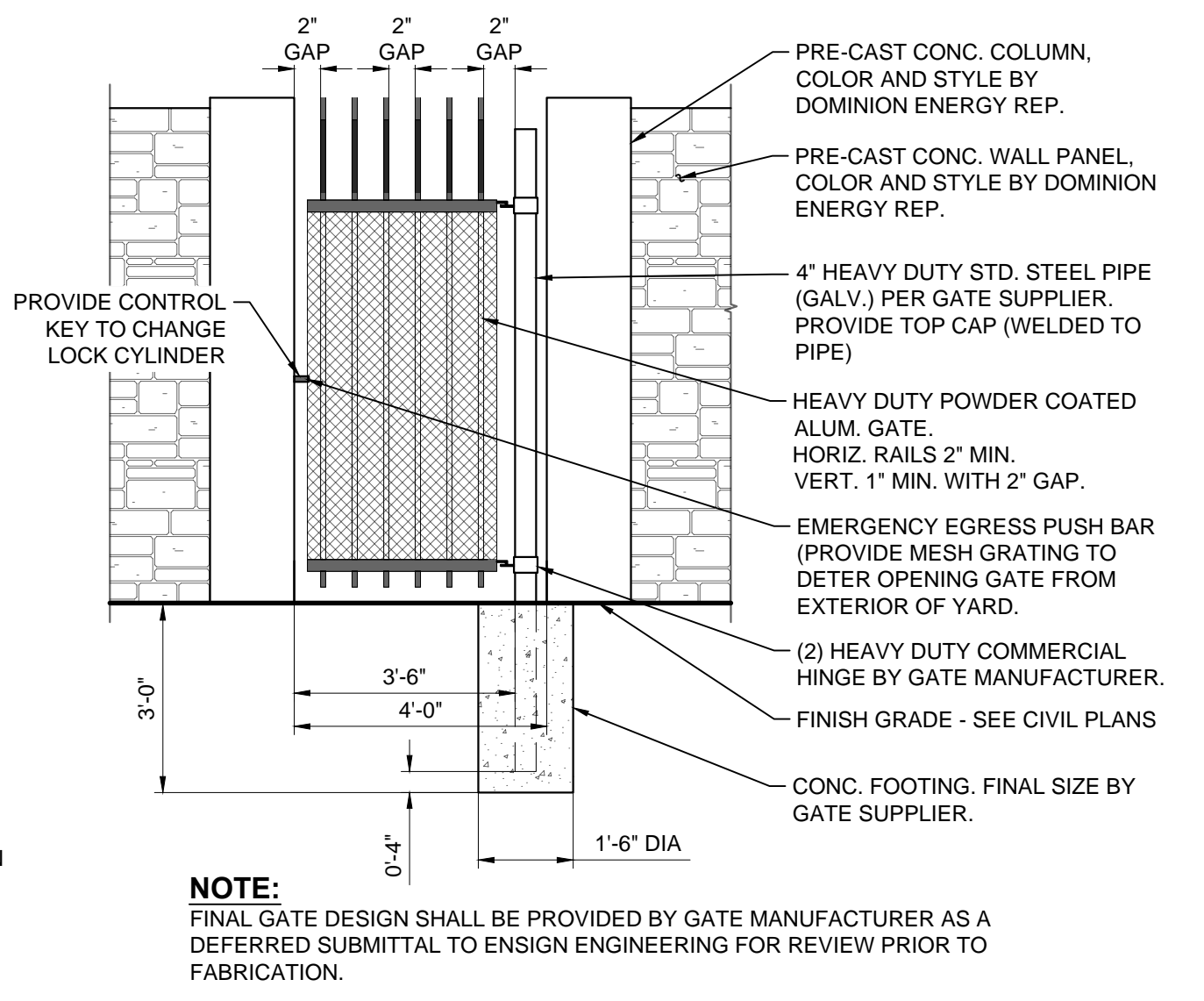
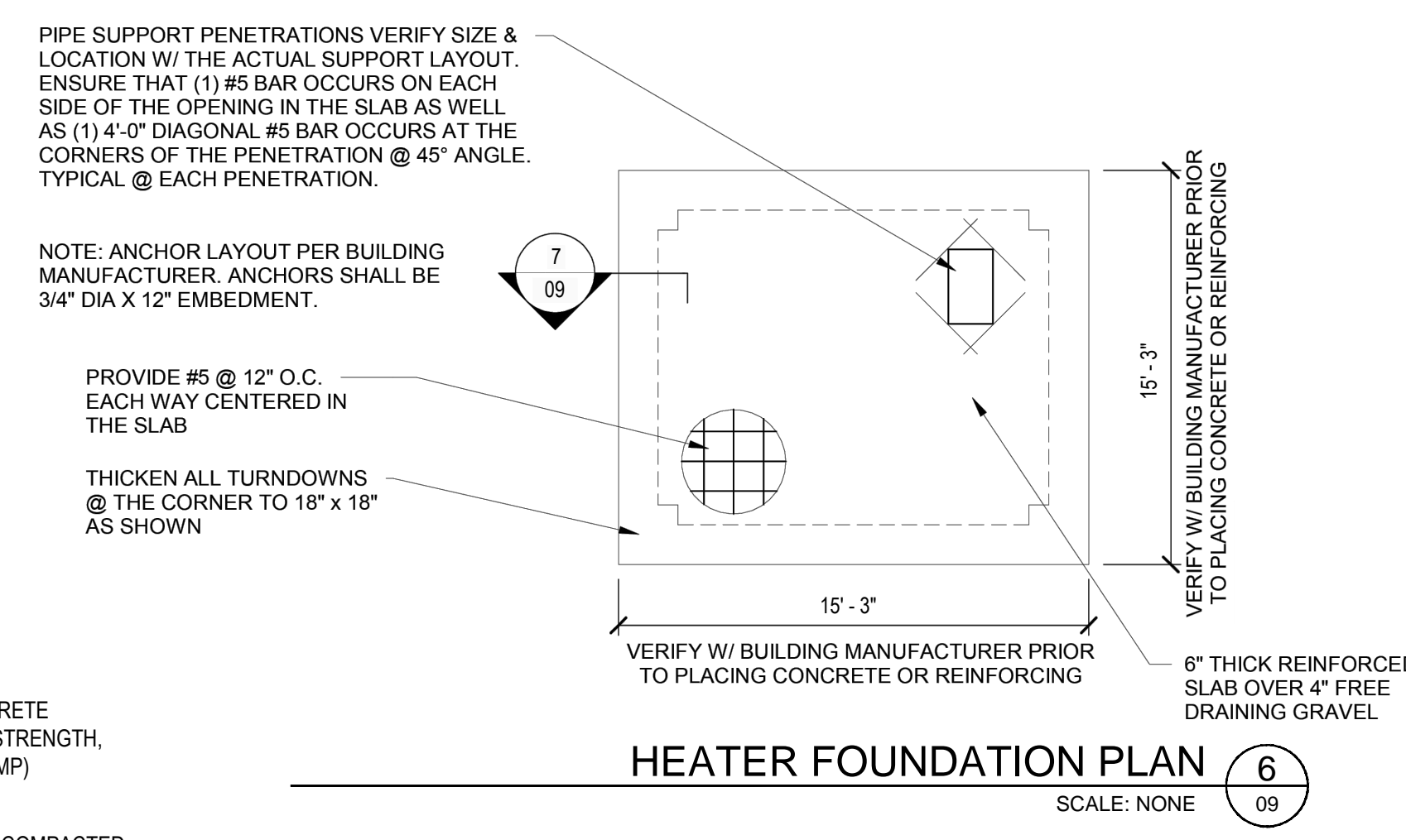
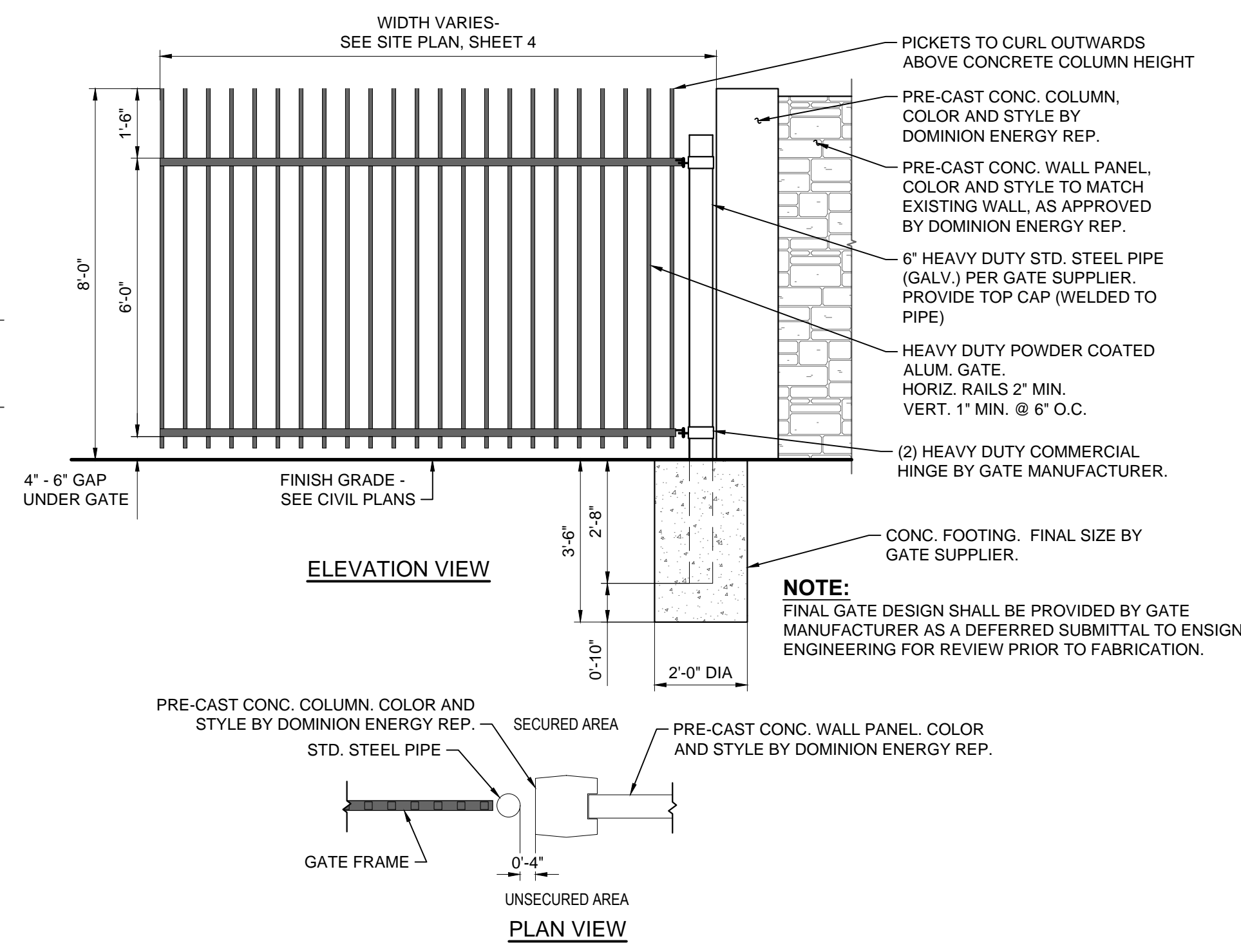
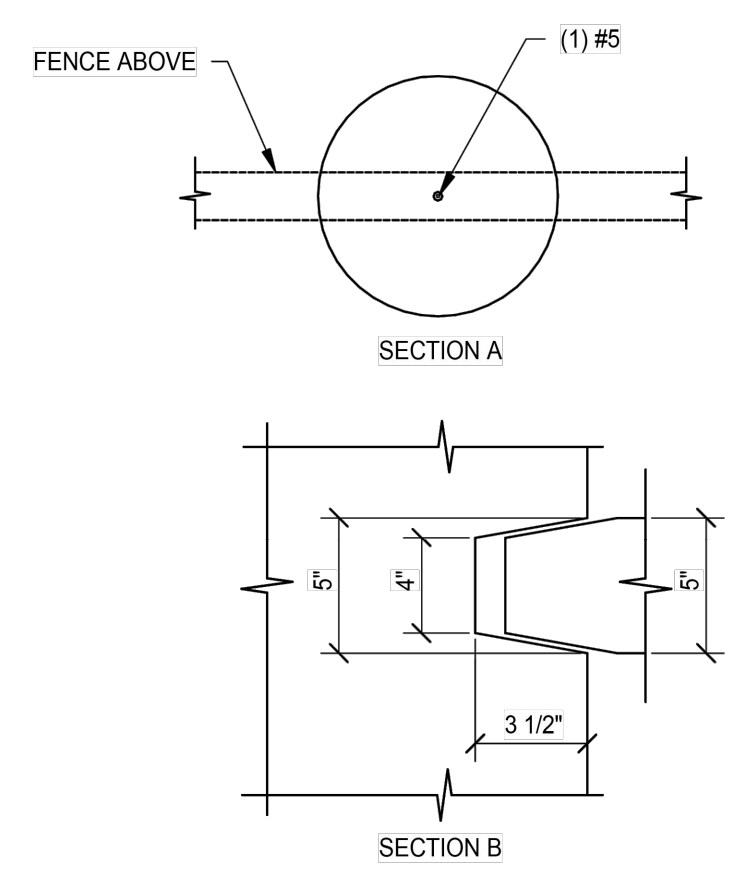
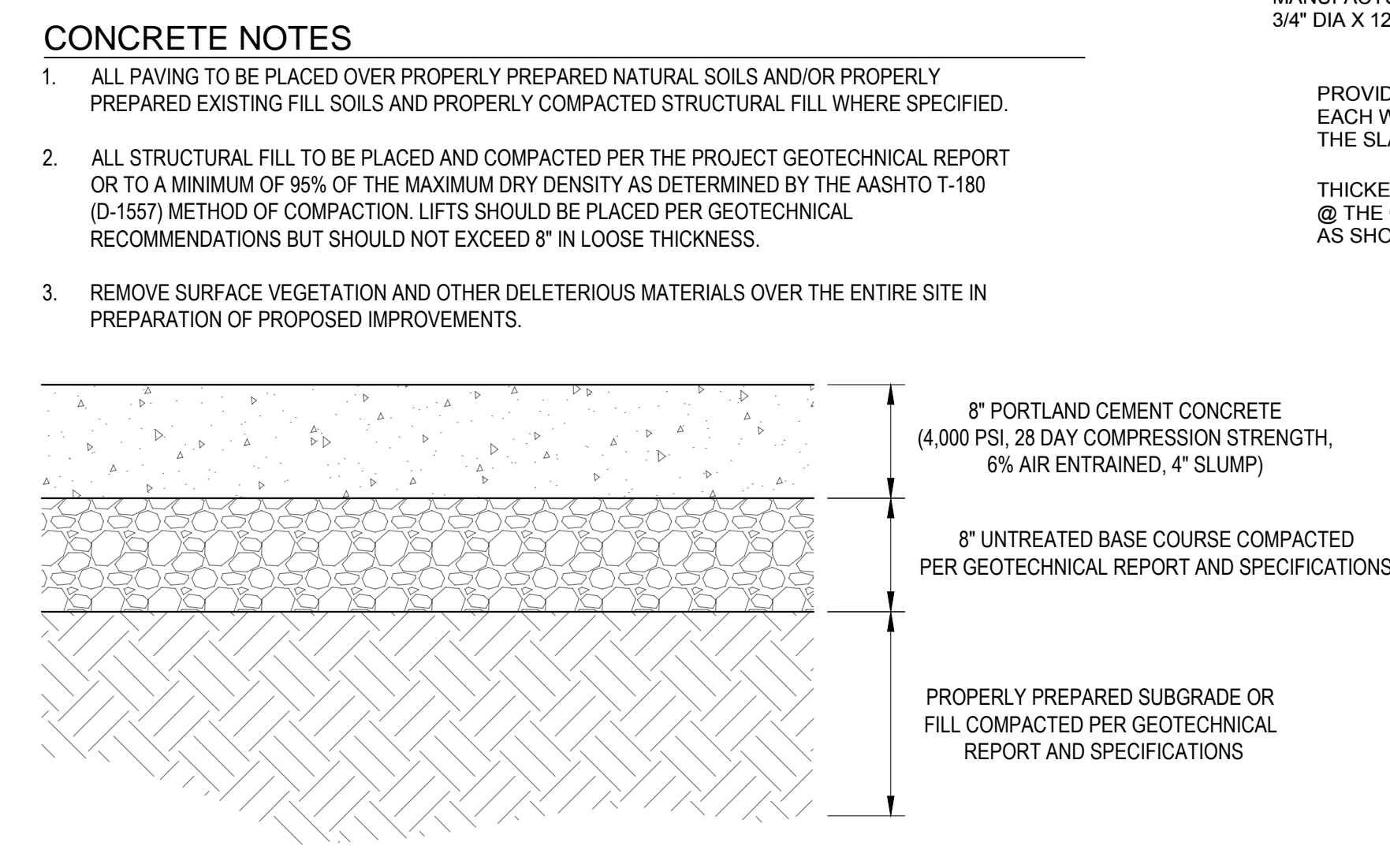
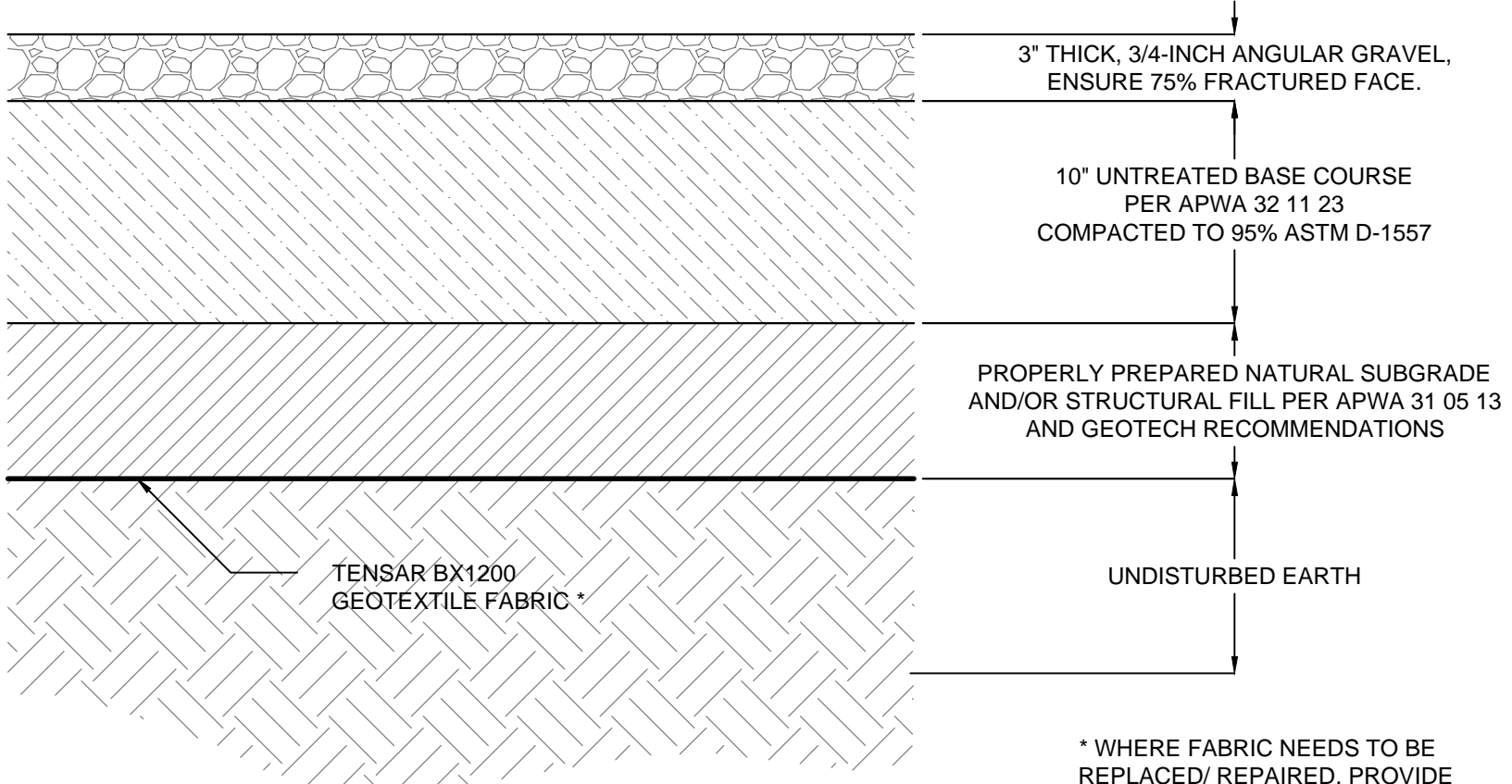
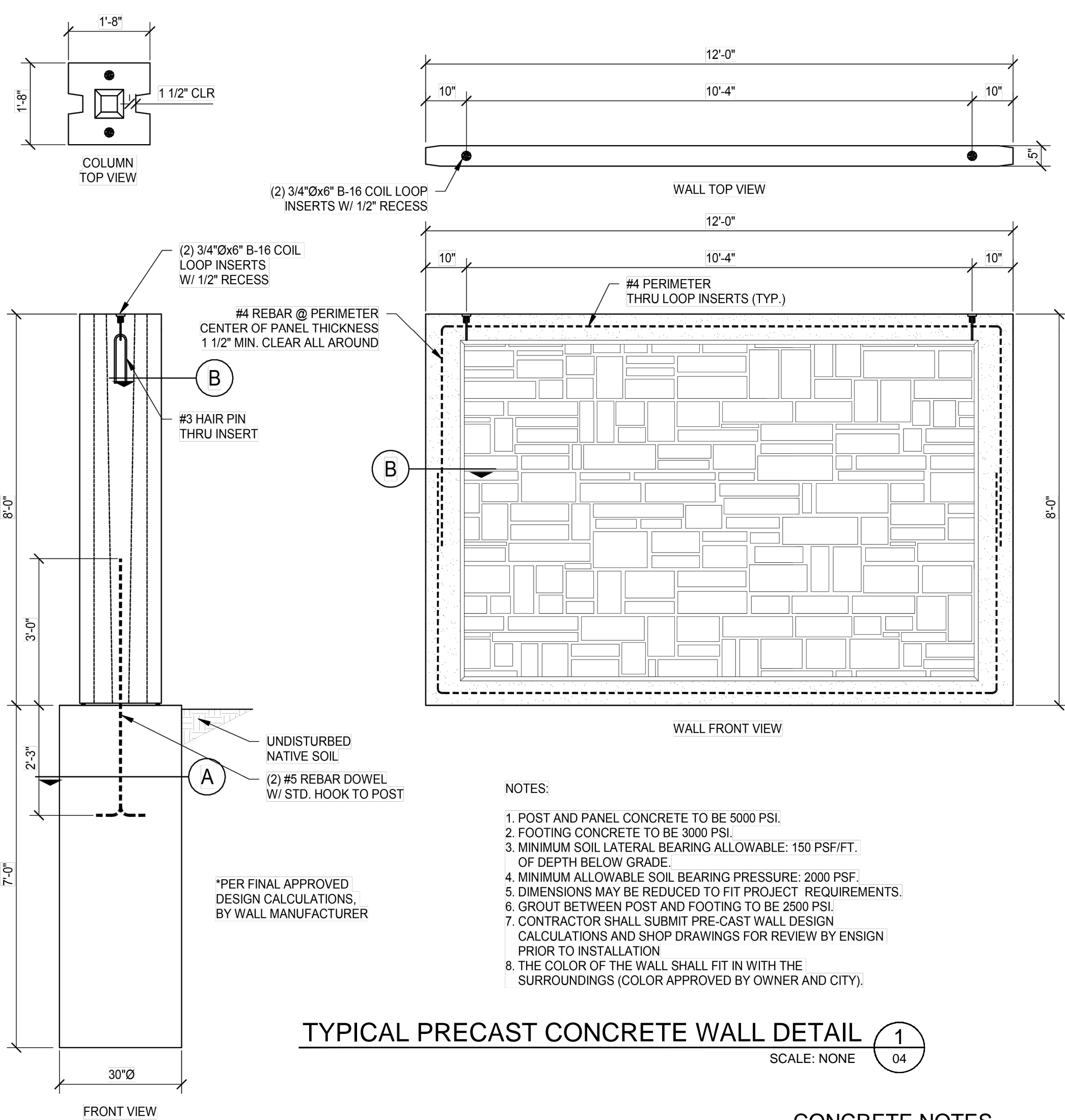
CITY: HYRUM CITY COUNTY: CACHE STATE: UTAH

DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 08 OF 12 REVISION: A

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

DOMINION ENERGY - ANS1D





THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS			ENGINEERING RECORD			
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:
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% REVIEW	11/20/2023	ENSIGN	IAT	J. LINFORD (ENSIGN)
										I. TORRES
										Z. HANSEN
										C. AHRENS (PSOMAS)
										S. MESSERSMITH
										D. FRANCIS

**DOMINION ENERGY UTAH**

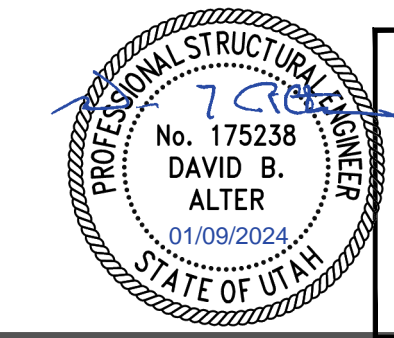
SECTION: T R  
 ELEVATION:  
 LAT: LONG:  
 SCALE: AS SHOWN

LINE NUMBER: FL-150  
 FACILITY: DISTRICT REGULATOR STATION HY0003  
 TITLE: 3X3 REGULATOR STATION AND HEATER  
 DESCRIPTION: DETAILS  
 ADDRESS: 300 NORTH 400 WEST

CITY: HYURM CITY COUNTY: CACHE STATE: UTAH

DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 09 OF 12 REVISION: A

ENSIGN THE STANDARD IN ENGINEERING  
 ENSIGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER ENSIGN SHEET:

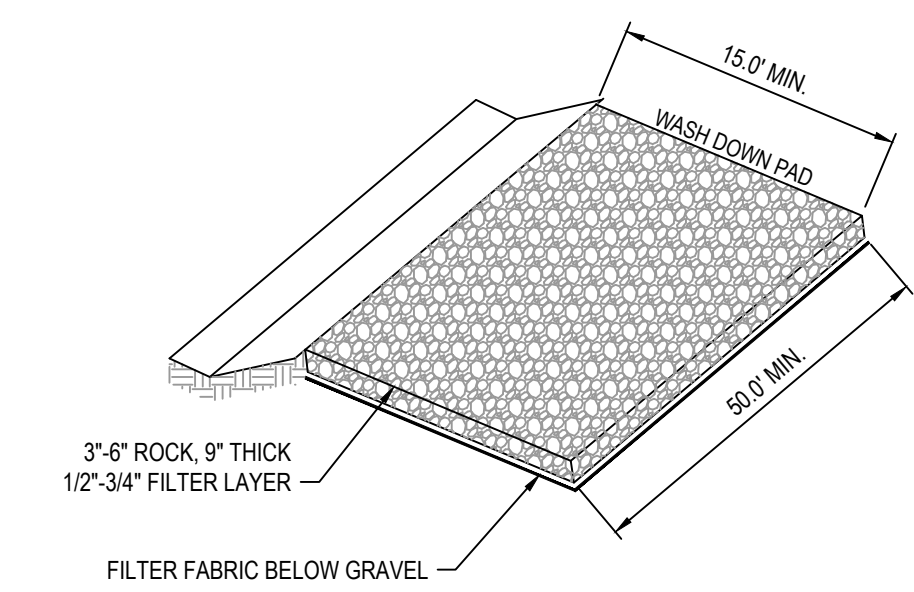
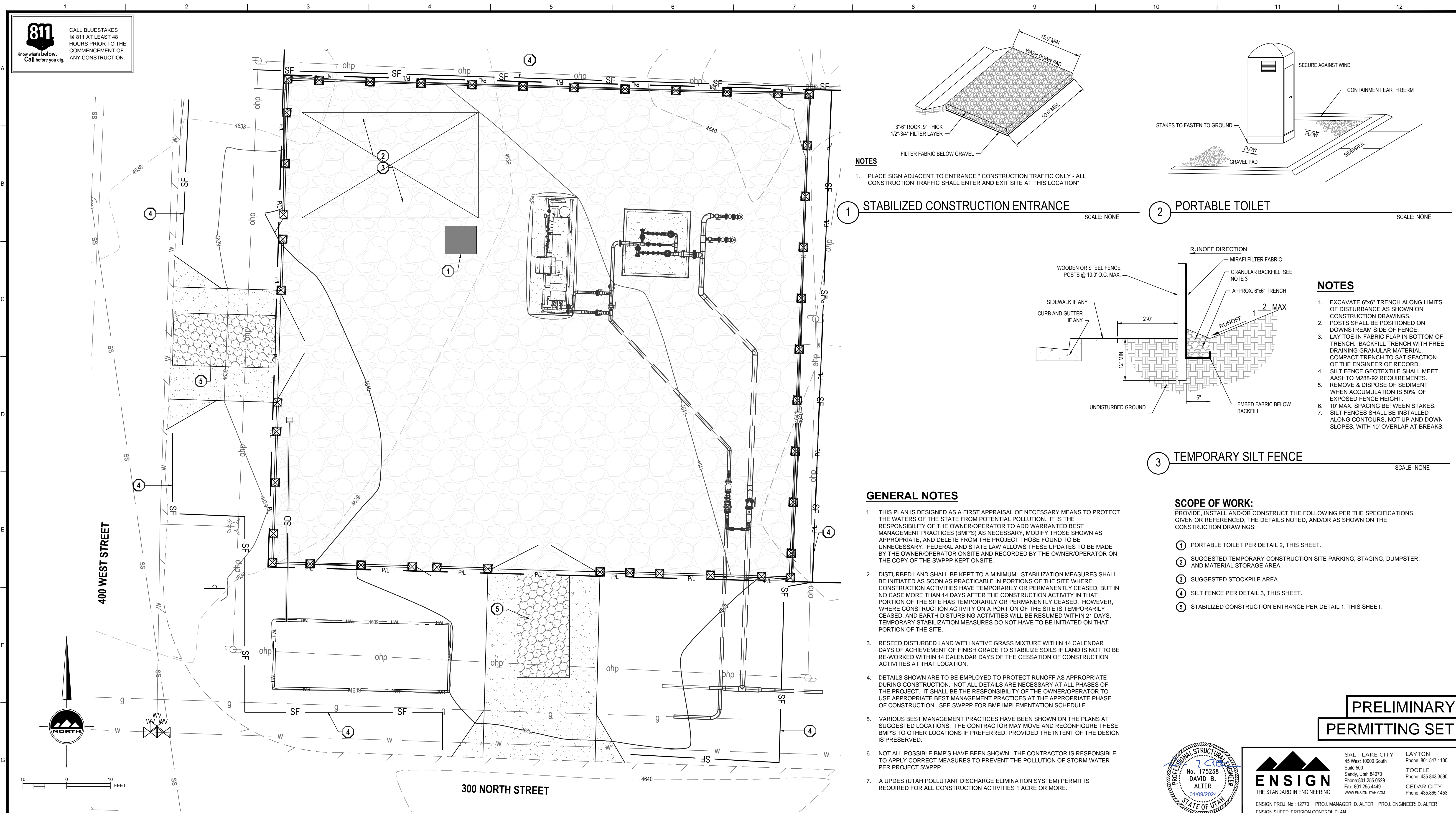


SALT LAKE CITY 45 West 10000 South Suite 500 Sandy, Utah 84070 Phone: 801.255.0529 Fax: 801.255.4449 www.ENSIGNUTAH.COM

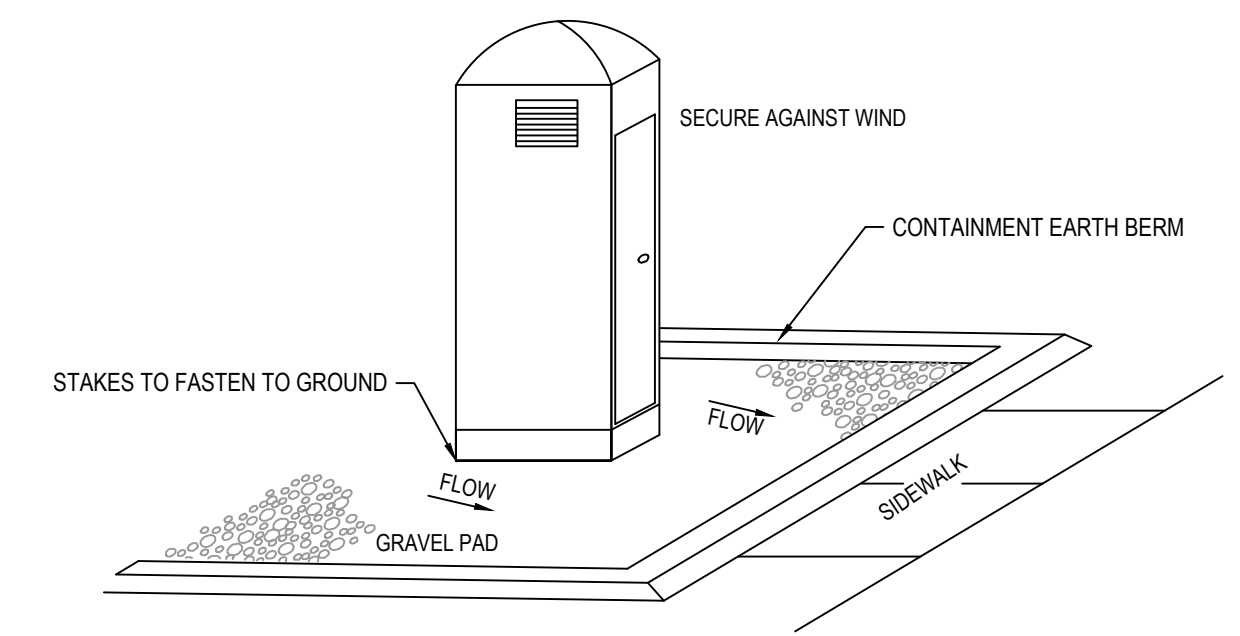
LAYTON Phone: 801.547.1100 TOOELE Phone: 435.843.3590 CEDAR CITY Phone: 435.865.1453

**811**  
Know what's below.  
Call before you dig.

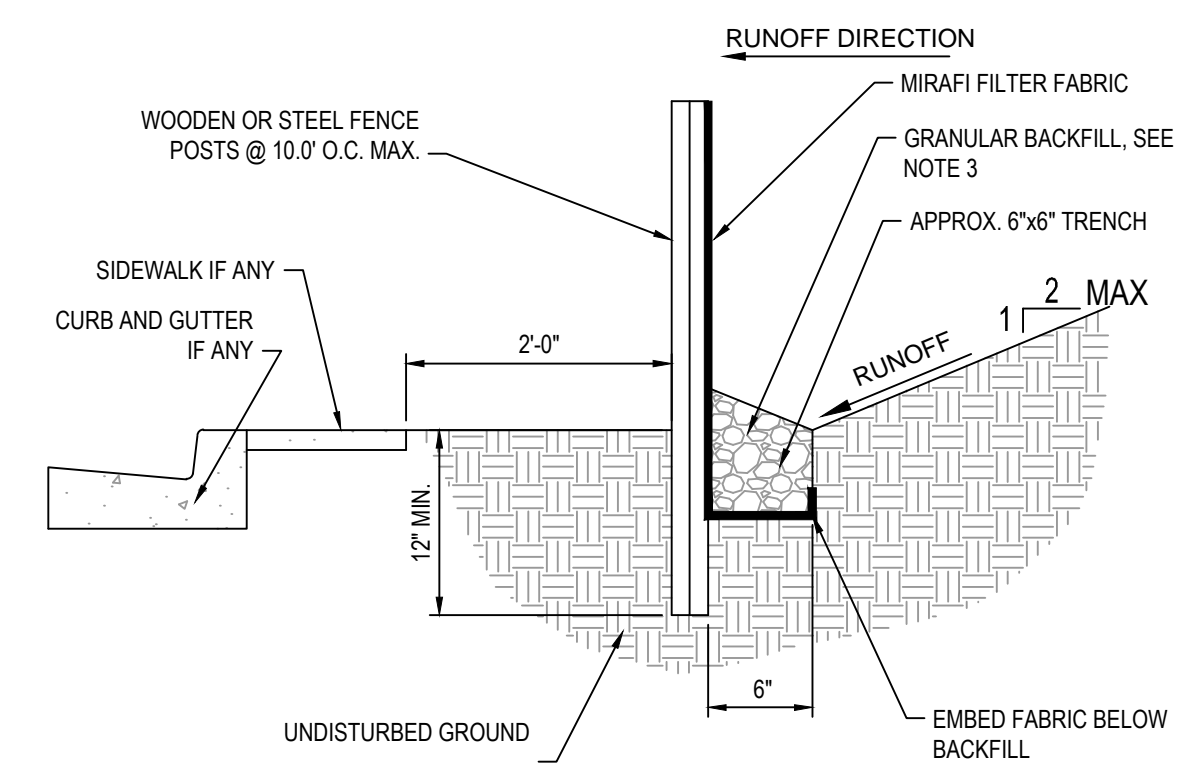
CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.



**NOTES**  
1. PLACE SIGN ADJACENT TO ENTRANCE \* CONSTRUCTION TRAFFIC ONLY - ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT SITE AT THIS LOCATION\*



**1 STABILIZED CONSTRUCTION ENTRANCE** SCALE: NONE  
**2 PORTABLE TOILET** SCALE: NONE



**NOTES**  
1. EXCAVATE 6"x6" TRENCH ALONG LIMITS OF DISTURBANCE AS SHOWN ON CONSTRUCTION DRAWINGS.  
2. POSTS SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.  
3. LAY TOE-IN FABRIC FLAP IN BOTTOM OF TRENCH. BACKFILL TRENCH WITH FREE DRAINING GRANULAR MATERIAL. COMPACT TRENCH TO SATISFACTION OF THE ENGINEER OF RECORD.  
4. SILT FENCE GEOTEXTILE SHALL MEET AASHTO M288-92 REQUIREMENTS.  
5. REMOVE & DISPOSE OF SEDIMENT WHEN ACCUMULATION IS 50% OF EXPOSED FENCE HEIGHT.  
6. 10' MAX. SPACING BETWEEN STAKES.  
7. SILT FENCES SHALL BE INSTALLED ALONG CONTOURS, NOT UP AND DOWN SLOPES, WITH 10' OVERLAP AT BREAKS.

**3 TEMPORARY SILT FENCE** SCALE: NONE

**GENERAL NOTES**

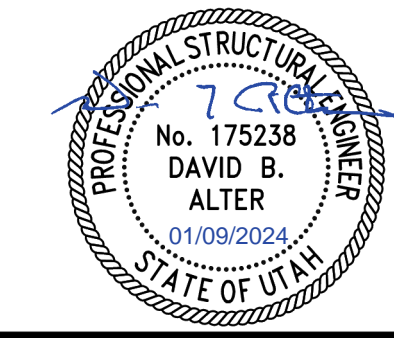
- THIS PLAN IS DESIGNED AS A FIRST APPRAISAL OF NECESSARY MEANS TO PROTECT THE WATERS OF THE STATE FROM POTENTIAL POLLUTION. IT IS THE RESPONSIBILITY OF THE OWNER/OPERATOR TO ADD WARRANTED BEST MANAGEMENT PRACTICES (BMP'S) AS NECESSARY, MODIFY THOSE SHOWN AS APPROPRIATE, AND DELETE FROM THE PROJECT THOSE FOUND TO BE UNNECESSARY. FEDERAL AND STATE LAW ALLOWS THESE UPDATES TO BE MADE BY THE OWNER/OPERATOR ONSITE AND RECORDED BY THE OWNER/OPERATOR ON THE COPY OF THE SWPPP KEPT ONSITE.
- DISTURBED LAND SHALL BE KEPT TO A MINIMUM. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. HOWEVER, WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 21 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- RESEED DISTURBED LAND WITH NATIVE GRASS MIXTURE WITHIN 14 CALENDAR DAYS OF ACHIEVEMENT OF FINISH GRADE TO STABILIZE SOILS IF LAND IS NOT TO BE RE-WORKED WITHIN 14 CALENDAR DAYS OF THE CESSATION OF CONSTRUCTION ACTIVITIES AT THAT LOCATION.
- DETAILS SHOWN ARE TO BE EMPLOYED TO PROTECT RUNOFF AS APPROPRIATE DURING CONSTRUCTION. NOT ALL DETAILS ARE NECESSARY AT ALL PHASES OF THE PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE OWNER/OPERATOR TO USE APPROPRIATE BEST MANAGEMENT PRACTICES AT THE APPROPRIATE PHASE OF CONSTRUCTION. SEE SWPPP FOR BMP IMPLEMENTATION SCHEDULE.
- VARIOUS BEST MANAGEMENT PRACTICES HAVE BEEN SHOWN ON THE PLANS AT SUGGESTED LOCATIONS. THE CONTRACTOR MAY MOVE AND RECONFIGURE THESE BMP'S TO OTHER LOCATIONS IF PREFERRED, PROVIDED THE INTENT OF THE DESIGN IS PRESERVED.
- NOT ALL POSSIBLE BMP'S HAVE BEEN SHOWN. THE CONTRACTOR IS RESPONSIBLE TO APPLY CORRECT MEASURES TO PREVENT THE POLLUTION OF STORM WATER PER PROJECT SWPPP.
- A UPDES (UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES 1 ACRE OR MORE.

**SCOPE OF WORK:**

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- 1 PORTABLE TOILET PER DETAIL 2, THIS SHEET.
- 2 SUGGESTED TEMPORARY CONSTRUCTION SITE PARKING, STAGING, DUMPSTER, AND MATERIAL STORAGE AREA.
- 3 SUGGESTED STOCKPILE AREA.
- 4 SILT FENCE PER DETAIL 3, THIS SHEET.
- 5 STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 1, THIS SHEET.

**PRELIMINARY PERMITTING SET**



**ENSGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4440  
WWW.ENSGNUTAH.COM

LAYTON  
Phone: 801.547.1100  
TOOELE  
Phone: 435.843.3590  
CEDAR CITY  
Phone: 435.865.1453

ENSGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER  
ENSGN SHEET: EROSION CONTROL PLAN

DRAWING NUMBER		REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD					
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:	PROJECT ENGR:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:
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% REVIEW	11/20/2023	ENSGN	IAT	J. LINFORD (ENSGN)	I. TORRES	Z. HANSEN	C. AHRENS (PSOMAS)	S. MESSERSMITH	D. FRANCIS

**Dominion Energy**

DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

LINE NUMBER: FL-150

FACILITY: DISTRICT REGULATOR STATION HY0003

TITLE: 3X3 REGULATOR STATION AND HEATER

DESCRIPTION: EROSION CONTROL PLAN AND DETAILS

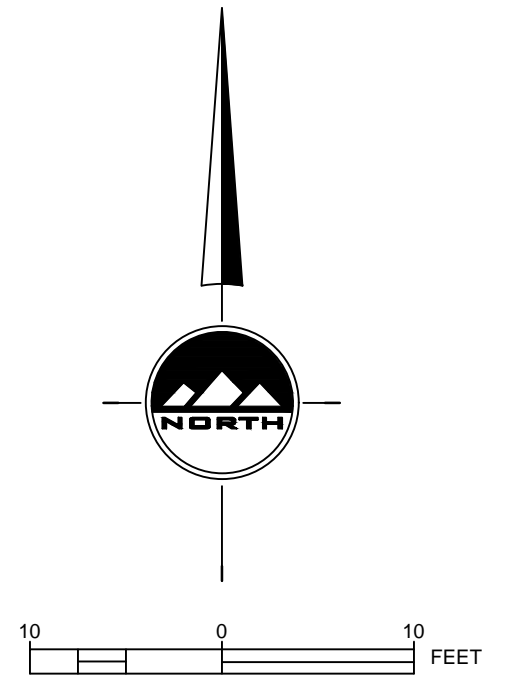
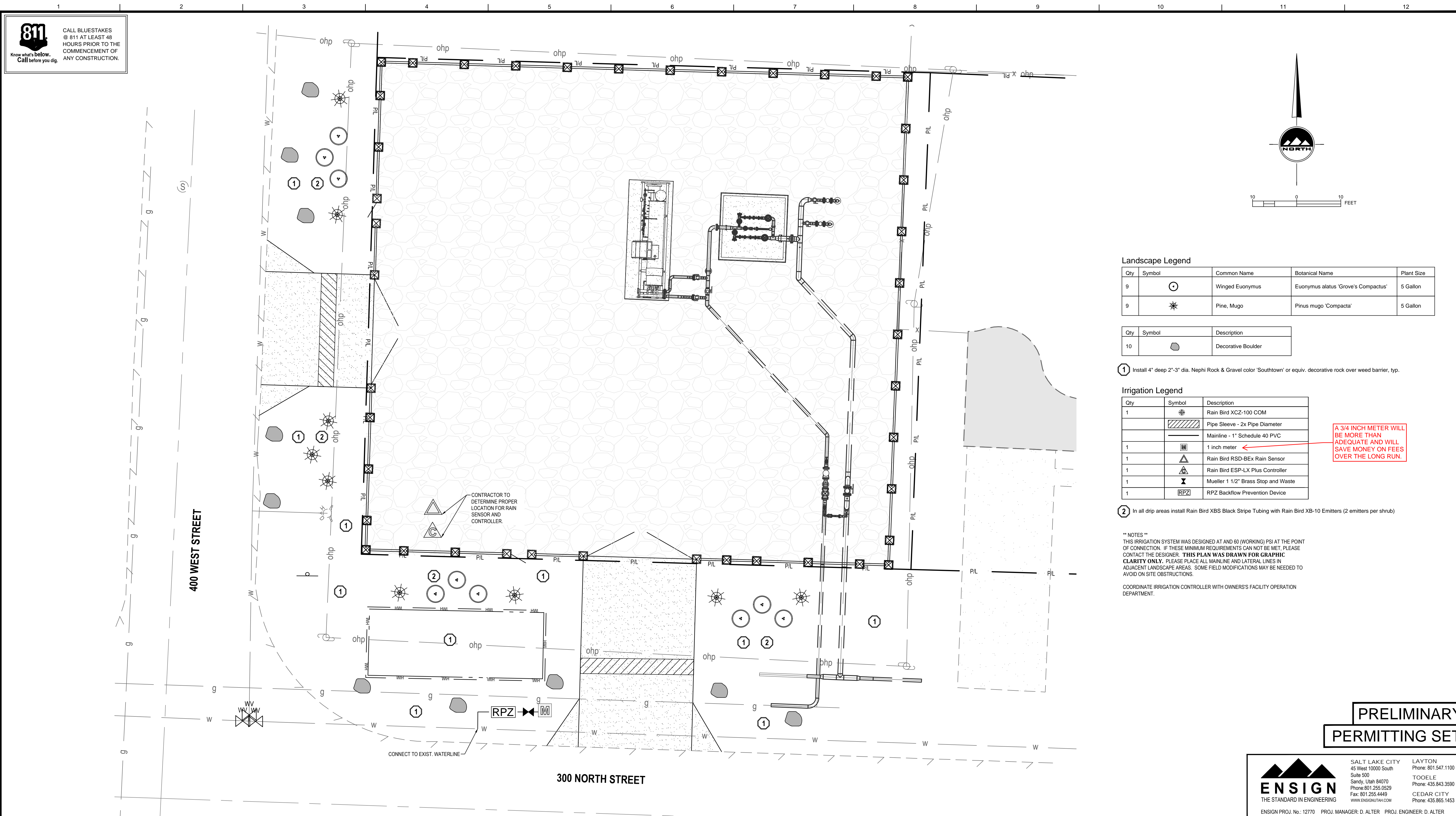
ADDRESS: 300 NORTH 400 WEST

CITY	COUNTY	STATE
HYRUM CITY	CACHE	UTAH
DRAWING NUMBER		SHEET
DEU-R-HY0003-CCS-001		10 OF 12
		REVISION
		A

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.



CALL BLUESTAKES  
@ 811 AT LEAST 48  
HOURS PRIOR TO THE  
COMMENCEMENT OF  
ANY CONSTRUCTION.



**Landscape Legend**

Qty	Symbol	Common Name	Botanical Name	Plant Size
9	⊙	Winged Euonymus	Euonymus alatus 'Grove's Compactus'	5 Gallon
9	⊛	Pine, Mugo	Pinus mugo 'Compacta'	5 Gallon

Qty	Symbol	Description
10	⬤	Decorative Boulder

1 Install 4" deep 2'-3" dia. Nephri Rock & Gravel color 'Southtown' or equiv. decorative rock over weed barrier, typ.

**Irrigation Legend**

Qty	Symbol	Description
1	⊕	Rain Bird X CZ-100 COM
	▨	Pipe Sleeve - 2x Pipe Diameter
	—	Mainline - 1" Schedule 40 PVC
1	⊠	1 inch meter
1	⚠	Rain Bird RSD-BEx Rain Sensor
1	⚠	Rain Bird ESP-LX Plus Controller
1	⊕	Mueller 1 1/2" Brass Stop and Waste
1	RPZ	RPZ Backflow Prevention Device

A 3/4 INCH METER WILL BE MORE THAN ADEQUATE AND WILL SAVE MONEY ON FEES OVER THE LONG RUN.

2 In all drip areas install Rain Bird XBS Black Stripe Tubing with Rain Bird XB-10 Emitters (2 emitters per shrub)

\*\*\* NOTES \*\*\*  
THIS IRRIGATION SYSTEM WAS DESIGNED AT AND 60 (WORKING) PSI AT THE POINT OF CONNECTION. IF THESE MINIMUM REQUIREMENTS CAN NOT BE MET, PLEASE CONTACT THE DESIGNER. **THIS PLAN WAS DRAWN FOR GRAPHIC CLARITY ONLY.** PLEASE PLACE ALL MAINLINE AND LATERAL LINES IN ADJACENT LANDSCAPE AREAS. SOME FIELD MODIFICATIONS MAY BE NEEDED TO AVOID ON SITE OBSTRUCTIONS.

COORDINATE IRRIGATION CONTROLLER WITH OWNER'S FACILITY OPERATION DEPARTMENT.

**PRELIMINARY  
PERMITTING SET**

**ENSIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4449  
WWW.ENSIGNUTAH.COM

LAYTON  
Phone: 801.547.1100  
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: L-100 LANDSCAPE PLAN

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD					
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:			
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% REVIEW	11/20/2023	ENSIGN	IAT	J. LINFORD (ENSIGN)			
										CHECKED BY: I. TORRES			
										PROJECT ENGR: Z. HANSEN			
										SURVEYOR: C. AHRENS (PSOMAS)			
										ENGR MNGR: S. MESSERSMITH			
										CONSTR MNGR: D. FRANCIS			

**Dominion Energy**  
DOMINION ENERGY UTAH

SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

LINE NUMBER: FL-150

FACILITY: DISTRICT REGULATOR STATION HY0003

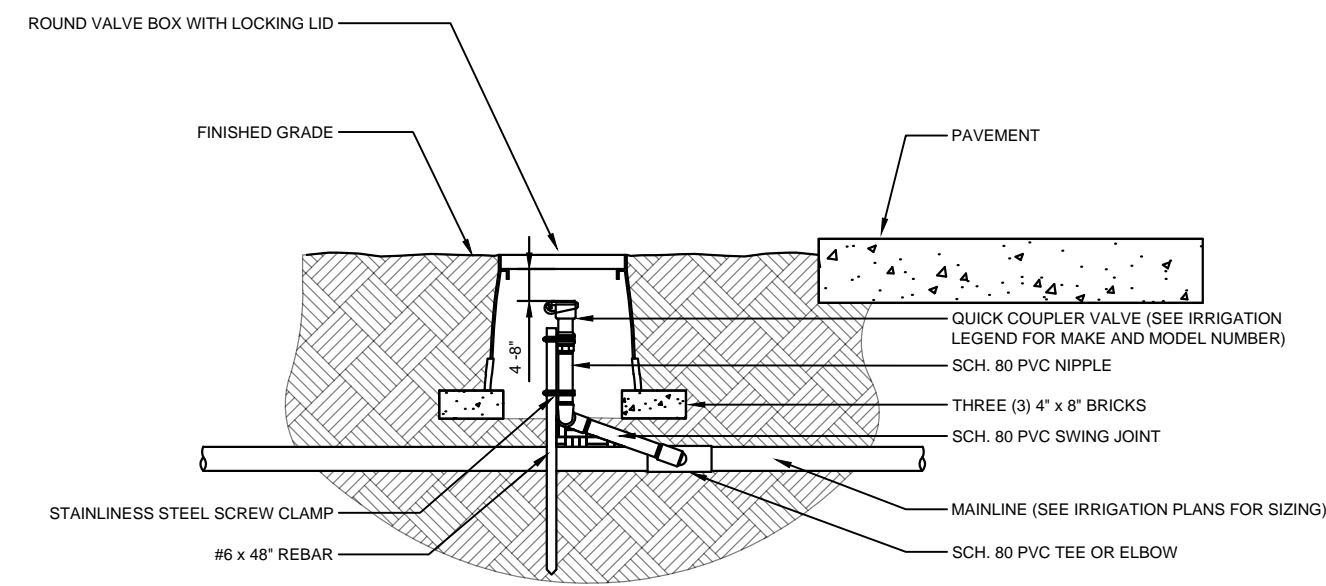
TITLE: 3X3 REGULATOR STATION AND HEATER

DESCRIPTION: LANDSCAPE AND IRRIGATION PLAN

ADDRESS: 300 NORTH 400 WEST

CITY HYRUM CITY	COUNTY CACHE	STATE UTAH
DRAWING NUMBER DEU-R-HY0003-CCS-001		SHEET 11 OF 12
		REVISION A

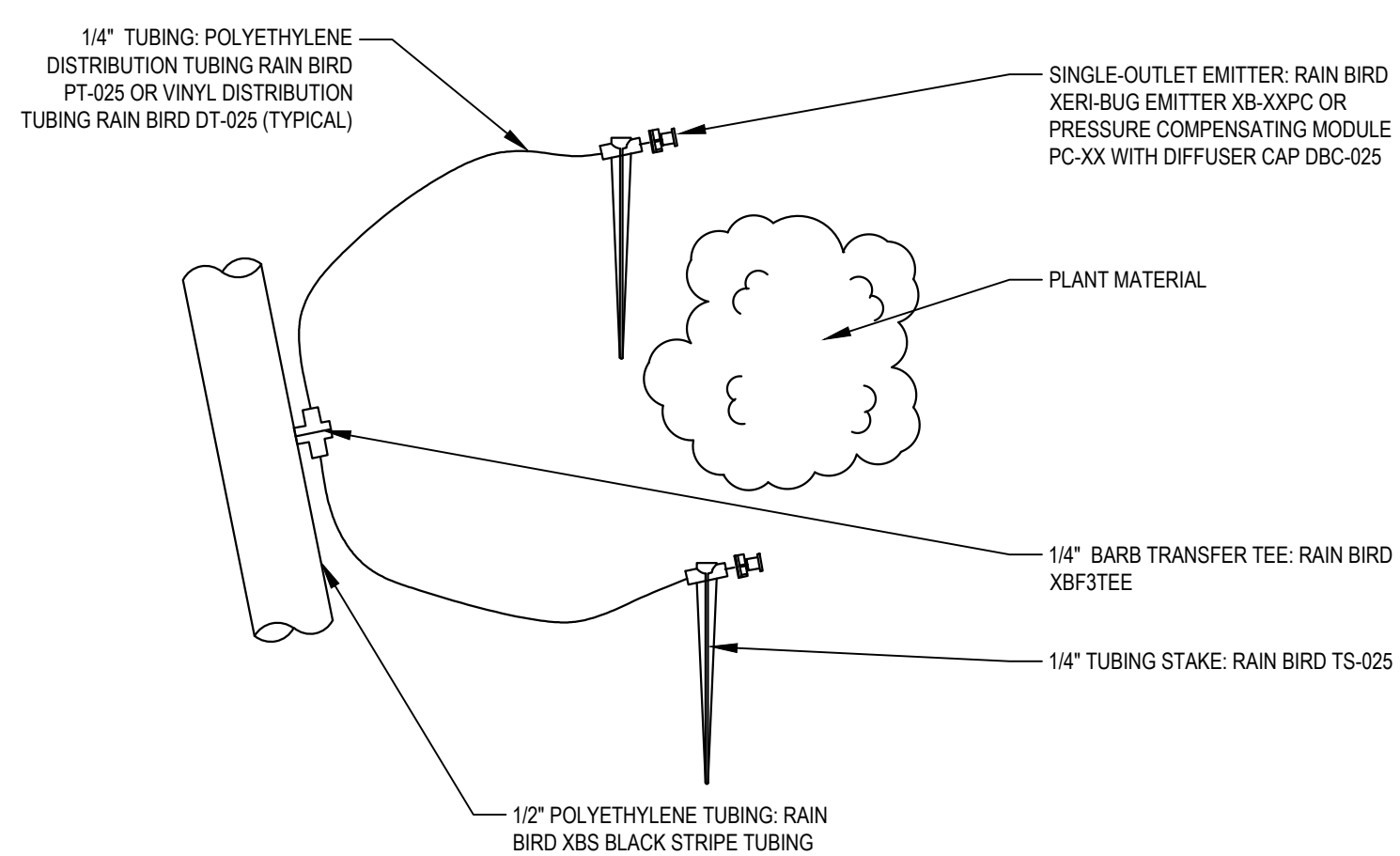
THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.



- NOTES:  
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.

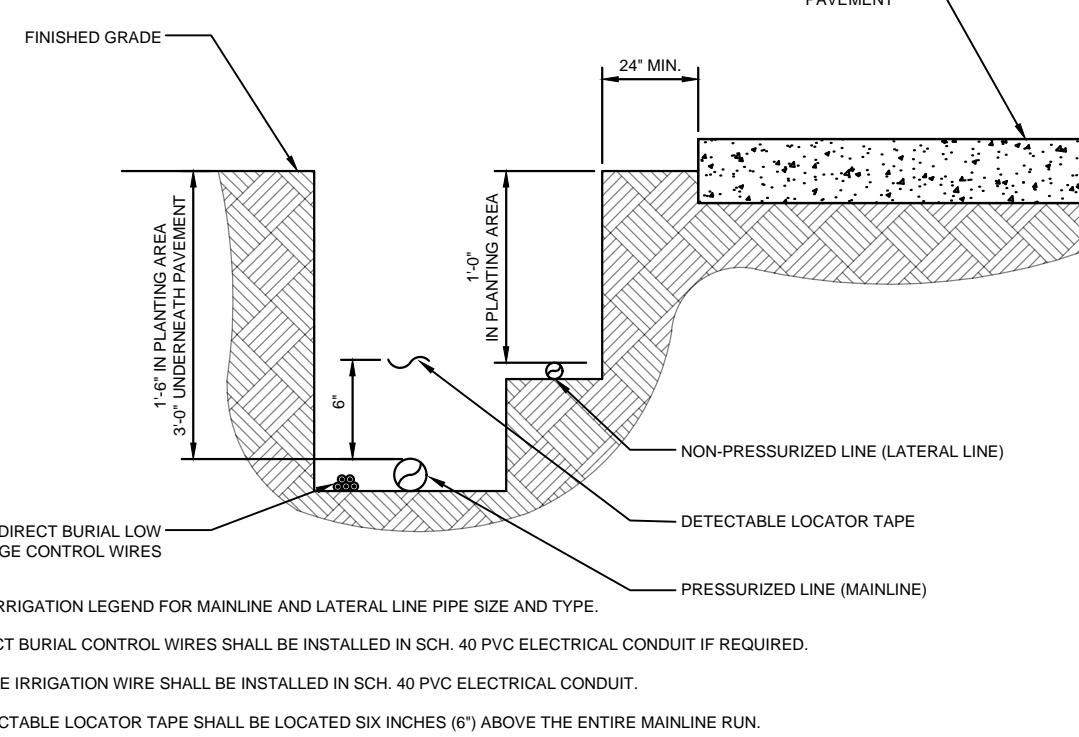
9 QUICK-COUPLING VALVE

SCALE: NONE



6 DRIP DETAIL

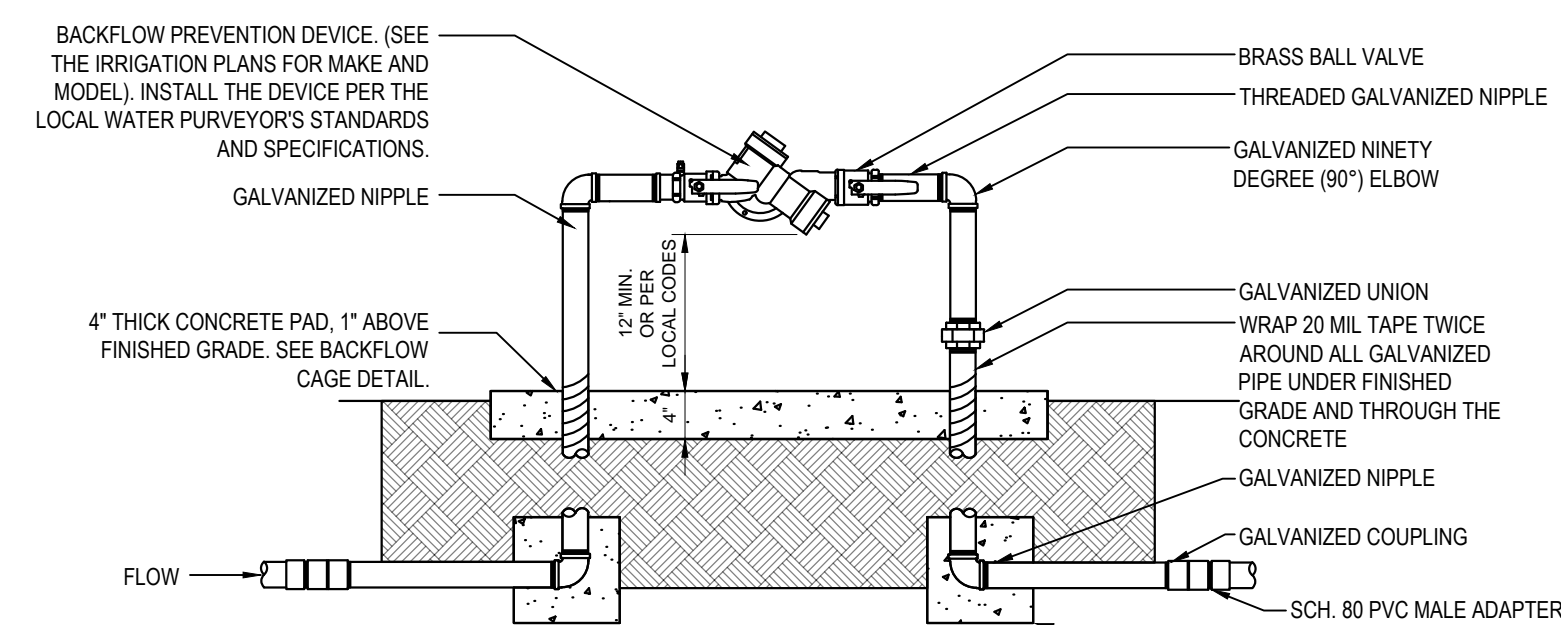
SCALE: NONE



- NOTES:  
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.

3 IRRIGATION TRENCHING

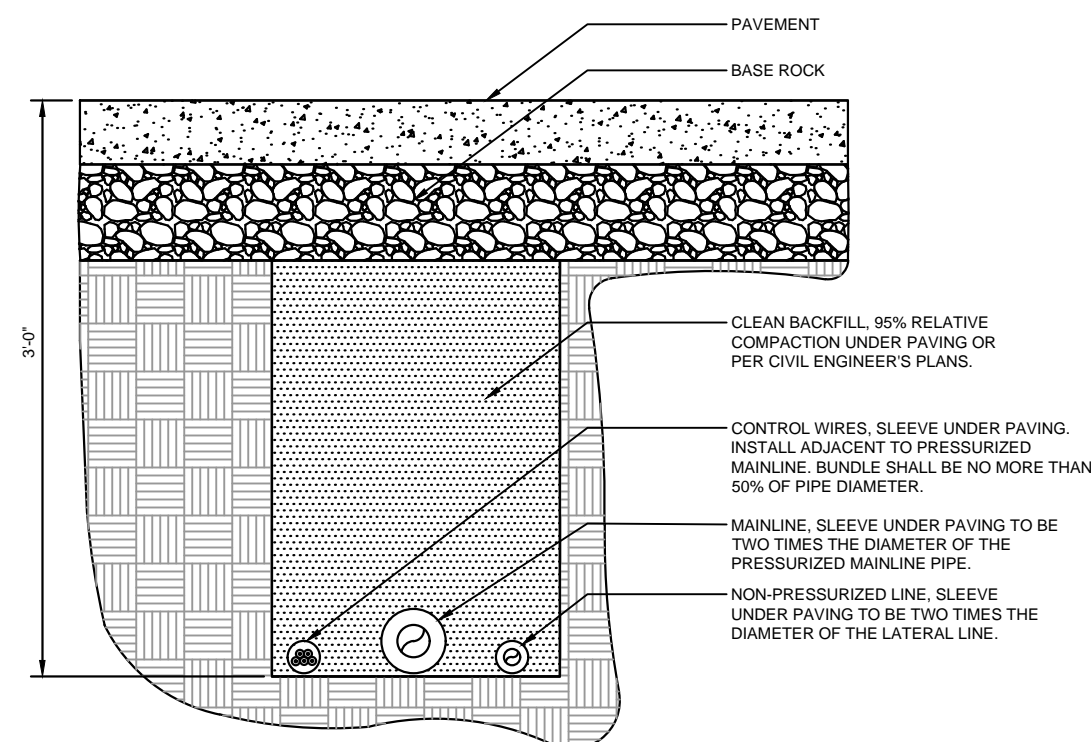
SCALE: NONE



- NOTE:  
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.

1 BACKFLOW PREVENTER

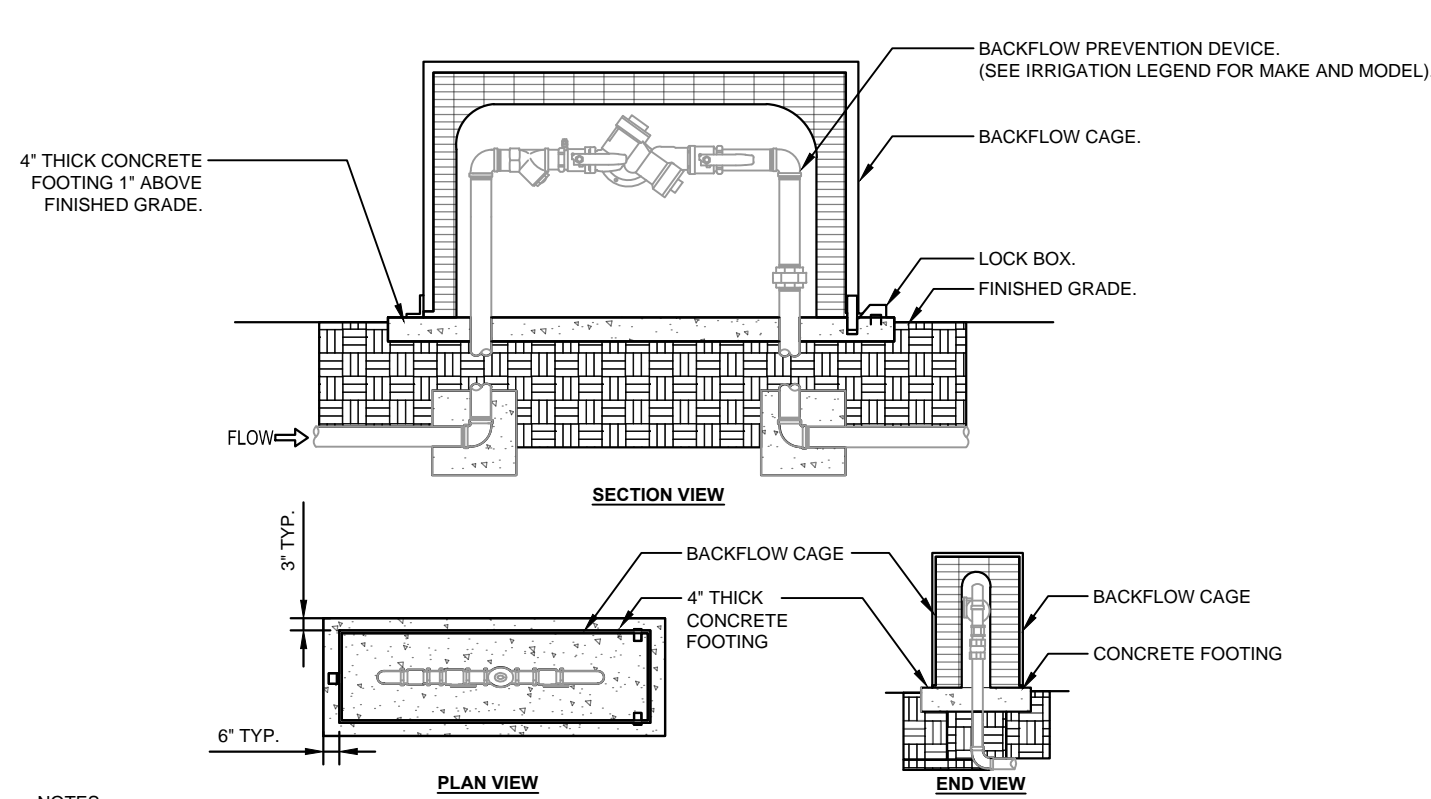
SCALE: NONE



- NOTES:  
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 SLEEVE TO FINISHED GRADE.

10 PIPE BENEATH PAVEMENT

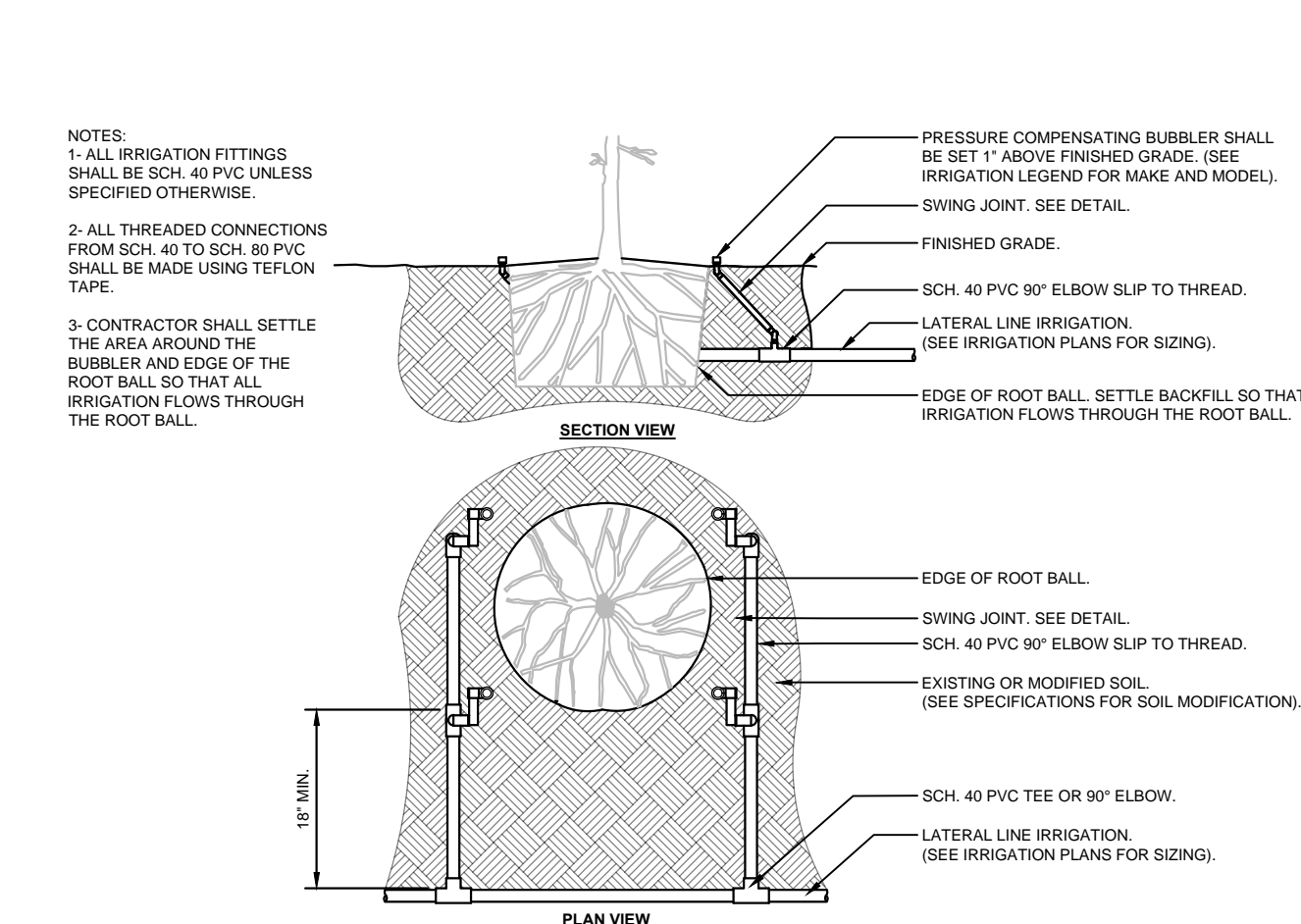
SCALE: NONE



- NOTES:  
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.

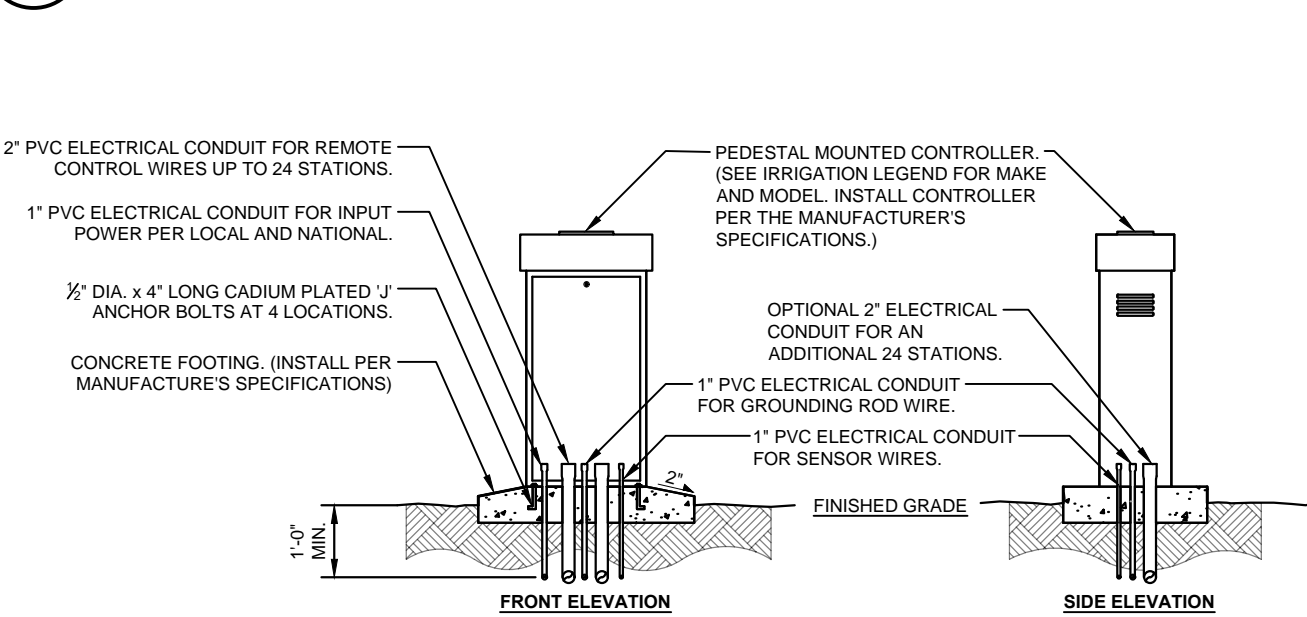
7 BACKFLOW CAGE

SCALE: NONE



4 BUBBLER DETAIL

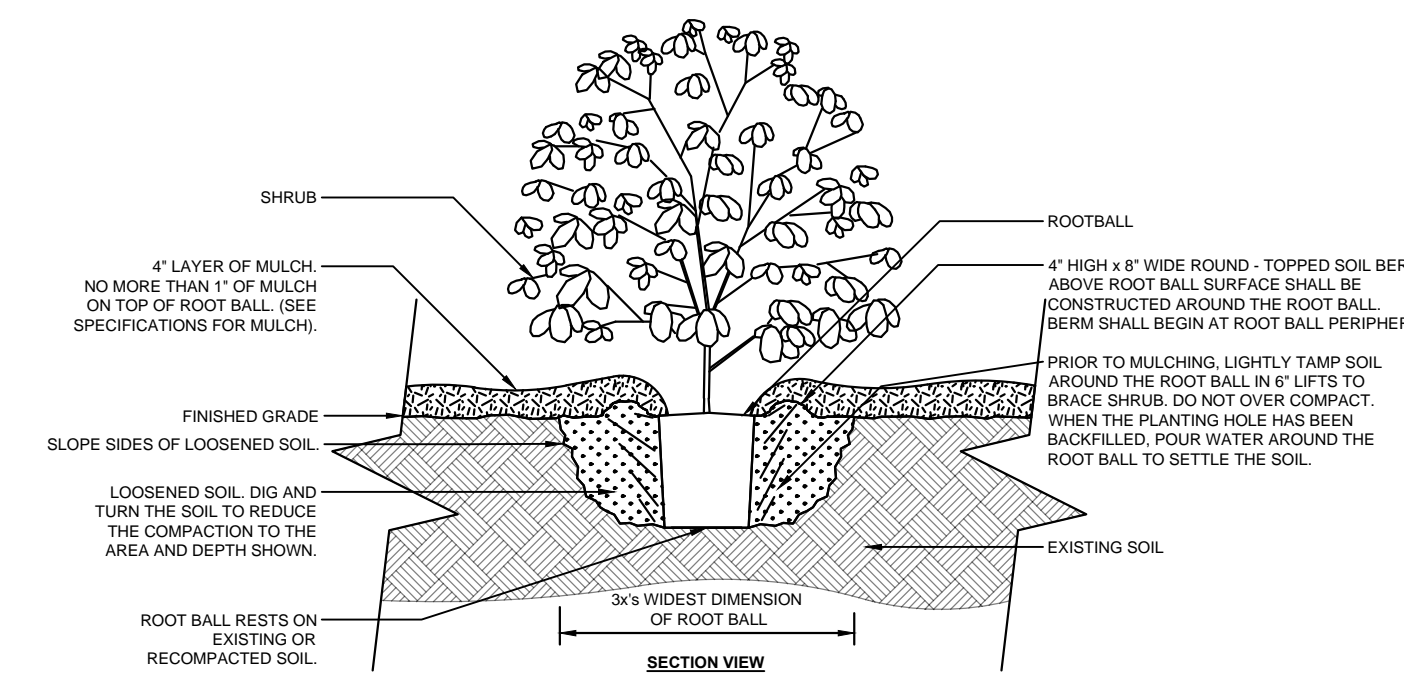
SCALE: NONE



- NOTES:  
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 1/2" 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 WINTERING AND SHUTDOWN INSTRUCTIONS) TO DESIGNATED DOMINION ENERGY PERSONNEL PRIOR TO PROJECT CLOSEOUT.

2 IRRIGATION CONTROLLER

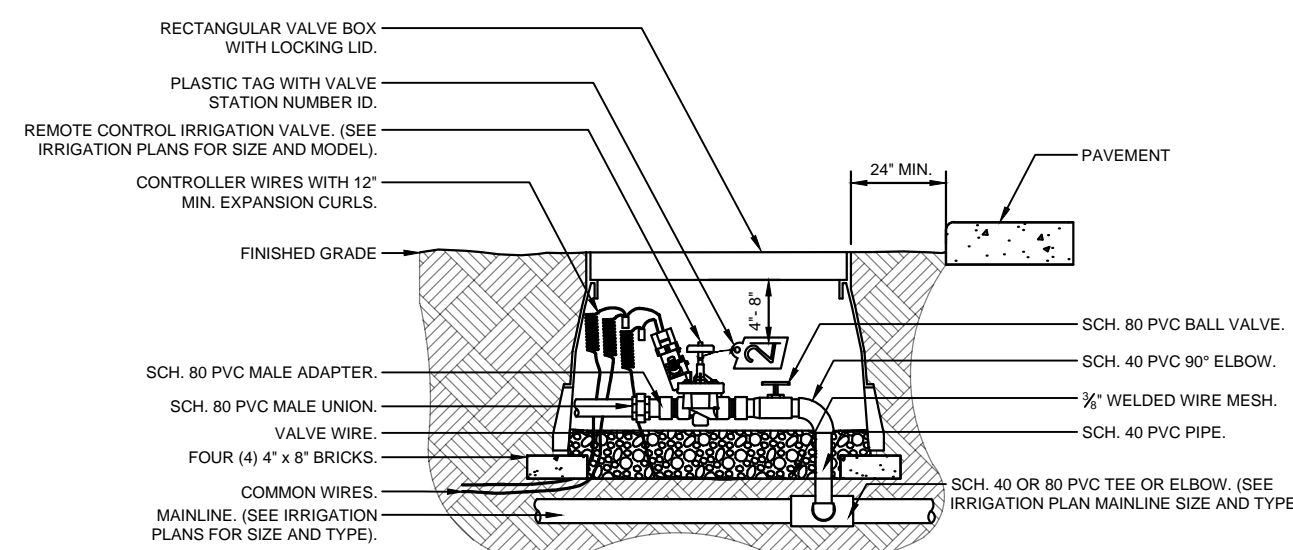
SCALE: NONE



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

8 SHRUB PLANTING DETAIL

SCALE: NONE



- NOTE:  
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 DBRY-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 IRRIGATION SADDLES).  
6-ALL SCH. 80 PVC TO SCH. 40 PVC THREADED CONNECTIONS SHALL BE MADE USING TEFLON TAPE.  
7-VALVE BOXES SHALL BE LOCATED IN PLANTING AREAS.

5 CONTROL VALVE

SCALE: NONE

PRELIMINARY PERMITTING SET

**EN SIGN**  
THE STANDARD IN ENGINEERING

SALT LAKE CITY  
45 West 10000 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4449  
WWW.ENSIGNUTAH.COM

LAYTON  
Phone: 801.547.1100  
TOOELE  
Phone: 435.843.3590  
CEDAR CITY  
Phone: 435.865.1453

EN SIGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER EN SIGN SHEET:

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS			ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY: J. LINFORD (ENSIGN)
DEU-R-HY0003-PIP-001	0	DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	A	ISSUED FOR 90% REVIEW	11/20/2023	ENSIGN	IAT	CHECKED BY: I. TORRES
									PROJECT ENGR: Z. HANSEN
									SURVEYOR: C. AHRENS (PSOMAS)
									ENGR MNGR: S. MESSERSMITH
									CONSTR MNGR: D. FRANCIS

LINE NUMBER:	FL-150		
FACILITY:	DISTRICT REGULATOR STATION HY0003		
TITLE:	3X3 REGULATOR STATION AND HEATER		
DESCRIPTION:	LANDSCAPE AND IRRIGATION DETAILS		
ADDRESS:	300 NORTH 400 WEST		
SECTION:	T	R	
ELEVATION:			
LAT:		LONG:	
SCALE:	AS SHOWN		
CITY	COUNTY	STATE	
HYURM CITY	CACHE	UTAH	
DRAWING NUMBER		SHEET	REVISION
DEU-R-HY0003-CCS-001		12 of 12	A

THE INFORMATION AND CONCEPTS CONTAINED IN THIS DOCUMENT ARE CONFIDENTIAL AND THE PROPERTY OF DOMINION ENERGY AND/OR THE CLIENT IDENTIFIED. DUPLICATION OR USE OF THIS INFORMATION AND/OR CONSTRUCTION OF SYSTEMS BASED ON THIS DOCUMENT ARE STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM DOMINION ENERGY.

DOMINION ENERGY ANS1-D