



## CITY COUNCIL MEETING

Thursday, March 05, 2026 at 6:30 PM  
Council Chambers, 60 West Main, Hyrum, Utah

### AGENDA

Public notice is hereby given of a Hyrum City Council Meeting to be held in the Council Chambers, 60 West Main, Hyrum, Utah at 6:30 PM, March 05, 2026. The proposed agenda is as follows:

1. **ROLL CALL**
2. **CALL TO ORDER**
3. **WELCOME**
4. **PLEDGE OF ALLEGIANCE**
5. **INVOCATION**
6. **APPROVAL OF MINUTES**
7. **AGENDA ADOPTION**
8. **PUBLIC COMMENT**
9. **SCHEDULED DELEGATIONS**
  - A. [Cache County Sheriff Chad Jensen - To present the Cache Sheriff report for 2025 and to request approval of the 2026-2029 Cache County Law Enforcement Contract.](#)
  - B. [Jeff Hinds, Enbridge Gas District Regulator Station, and High-Pressure Gas Feeder Line – Seeking Site Plan Approval for upgrades to the District Regulator Station located at 388 West 300 North, and high-pressure gas feeder line from the District Regulation Station to 4650 South 1200 West.](#)
10. **INTRODUCTION AND APPROVAL OF RESOLUTIONS AND ORDINANCES**
  - A. [Resolution 26-09 - A resolution amending the Hyrum City Soccer Fields Rental Fee and Deposit Schedule.](#)
  - B. [Resolution 26-10 - A resolution appointing a designated City Engineer for Hyrum City.](#)
  - C. [Ordinance 26-09 - An ordinance amending Title 17 Zoning of the Hyrum City Municipal Code to create Chapter 17.64 Agritourism and amend Section 17.38.010 C. Use regulations to include "Agritourism" as a Conditional Use in the Residential Agricultural Zone RA.](#)
  - D. [Ordinance 26-11 - An ordinance amending Sections 9.44.040 Cigars, Cigarettes and Tobacco Prohibitions, 9.52.030 Permitting Use by Minors in Place of Business,](#)

[9.52.040 Furnishing to Minors, and 9.52.050 Buying or Possessing by Minors of Title 9 Public Peace, Morals, and Welfare of the Hyrum City Municipal Code to change the minimum age from nineteen \(19\) to twenty-one \(21\) years.](#)

## 11. OTHER BUSINESS

- A. Consideration and appointment of Emily Webb to the Hyrum Planning Commission.
- B. Discussion on Elite Hall.
- C. [Consideration and award of bid for the replacement of Elite Hall's roof.](#)
- D. [Consideration and approval for Hyrum City to submit licensing paperwork to provide ground ambulance service, Advanced EMT ambulance service, and medical standby services for Hyrum City limits along with contracting a Paramedic service with a neighboring department.](#)
- E. [Consideration and award of bid for the 300 South Underground Power Project.](#)
- F. [Consideration and approval of a 2nd Amendment to the Contract for Engineering and Technical Services with Forsgren to allow services as the designated interim City Engineer.](#)
- G. Mayor and City Council reports.
- H. Closed Session - Strategy Session to discuss the purchase, exchange or lease of real property.

## 12. ADJOURNMENT

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**Stephanie Fricke**  
**City Recorder**

Council Members may participate in the meeting via telephonic communication. If a Council Member does participate via telephonic communication, the Council Member will be on speakerphone. The speakerphone will be amplified so that the other Council Members and all other persons present in the Council Chambers will be able to hear all discussions. In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Hyrum City at 435-245-6033 at least three working days before the meeting.

**CERTIFICATE OF POSTING** - The undersigned, duly appointed and acting City Recorder of Hyrum City, Utah, does hereby certify that a copy of the foregoing Notice was emailed to The Herald Journal, Logan, Utah, posted on the Utah Public Notice Website and Hyrum City's Website, provided to each member of the governing body, and posted at the City Offices, 60 West Main, Hyrum, Utah, this **3rd day of March, 2026**. Stephanie Fricke, MMC, City Recorder.



# CACHE COUNTY SHERIFF'S OFFICE

**D. CHAD JENSEN, SHERIFF**  
 Doyle Peck, Lieutenant  
 Mikelshan Bartschi, Lieutenant  
 Roy Hall, Lieutenant  
 Candice Hatch, Lieutenant  
 Timothy Ramirez, Lieutenant

EMPATHY      FAIRNESS      INTEGRITY      PROFESSIONALISM      RESPECT      RESPONSIBILITY      TRUSTWORTHINESS

Dear Mayor Miller,

As we begin discussions on the Law Enforcement contracts for this year, we want to thank all our cities for agreeing to last year's one-year contract addendum.

For the past four years, we have worked to match the contracted hours with the hours actually provided. During this time, I have not asked for any hourly rate increases.

Looking ahead to the next three-year budget cycle, I suggest setting the hourly rate to match the real cost of our services. In the past four years, we have raised wages to stay competitive, keep our great deputies, and bring in top candidates. The new rate adjustments will reflect these actual costs.

I have included a summary of each contract city's service hours and hourly rates, along with the proposal for the next three-year contract cycle.

CONTRACT YEAR	CONTRACT HOURS	HOURS PROVIDED	HOURLY RATE	CONTRACT TOTAL
2022-2023	5640	6946	\$52.35	\$295,254
2023-2024	5640	6775	\$52.35	\$295,254
2024-2025	5640	7274	\$52.35	\$295,254
2025-2026	5640	3426 (to date)	\$56.00	\$315,840
NEW THREE-YEAR PROPOSAL				
CONTRACT YEAR	CONTRACT HOURS	HOURLY RATE	CONTRACT TOTAL	
2026-2027	5640	\$60.00	\$338,400	
2027-2028	5640	\$64.00	\$360,960	
2028-2029	5640	\$68.00	\$383,520	

I appreciate working with each of you and your communities on public safety matters. Maintaining partnerships is the most important and most effective way we can deter crime, solve crimes, and keep our valley and citizens safe. I look forward to meeting with each of you over the next few weeks as we work through this process.

Sincerely,

D. Chad Jensen, Sheriff



60 West Main Street  
Hyrum, Utah 84319  
Ph. (435) 245-6033  
www.hyumcity.gov

## City Council Workshop Information

**To:** Mayor Miller and City Council

**From:** Tony Ekins, City Planner

**Date:** February 27, 2026

**Subject:** Jeff Hinds, Enbridge Gas District Regulator Station and High-Pressure Gas Feeder Line  
– Seeking Site Plan Approval for upgrades to the District Regulator Station located at 388 West 300 North, and high-pressure gas feeder line from the District Regulation Station to 4650 South 1200 West. Application #25-030.

**Summary:**

Hyrum City received a Site Plan Approval Application and Excavation and Right of Way Encroachment Application for Enbridge Gas to install a high-pressure feeder line from 388 West 300 North to 4650 South 1200 West to accommodate needs for the JBS Hyrum Beef Plant. The project will require construction work within the public right of way to the north boundary of the Hyrum City limits, cross the railroad switch yard, and continue north to a new station located at the JBS facility in Cache County limits. The length of the trench will be approximately 2000 lineal feet and 900 linear feet of borings.

**Planning Commission Recommendation:**

On February 12, 2026, the Planning Commission made a motion (5-0 vote) recommending approval to the City Council with the following conditions:

1. Comply with Staff Evaluation and forthcoming engineering comments.

**City Council Details:**

- City Council Role: Site Plan Approval

**Attachments:**

1. Staff Evaluation City Council First Review



60 West Main Street  
Hyrum, Utah 84319  
Ph. (435) 245-6033  
www.hyrumcity.gov

## Staff Evaluation

### City Council First Review

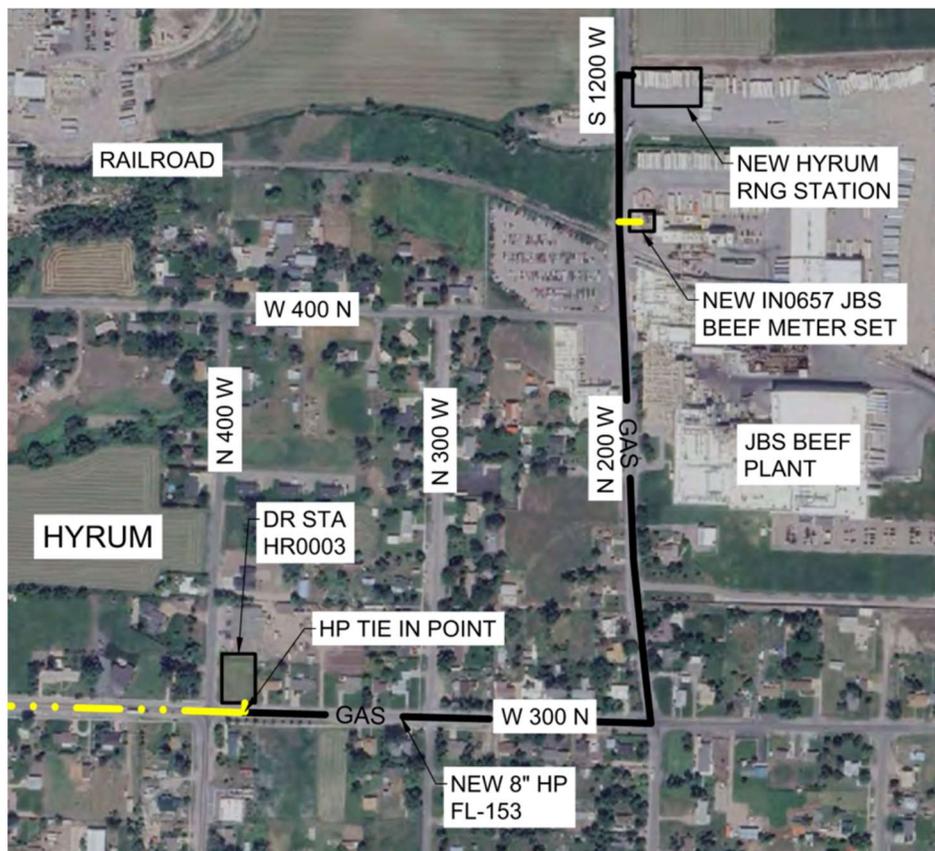
**Application:** Jeff Hinds, Enbridge Gas District Regulator Station and High-Pressure Gas Feeder Line – Seeking Site Plan Approval for upgrades to the District Regulator Station located at 388 West 300 North, and high-pressure gas feeder line from the District Regulation Station to 4650 South 1200 West. Application #25-030.

**Application Number:** 25-030  
**Preparation Date:** February 27, 2026  
**Applicant Name:** Jeff Hinds, Construction Manger  
**Property Owner:** Questar Gas Company  
**Property Address:** 388 West 300 North  
**Parcel Number:** 01-177-0002  
**Parcel Area:** 0.33 Acres

**City Council Meeting:** March 5, 2026  
**Application Type:** Site Plan Approval

**Zoning District:** Light Manufacturing Zone M-1  
**Permitted Use:** Public structures (i.e. courts, city hall, fire stations, public works, electrical, gas, and telephone transmission lines and stations, etc.)

#### Project Vicinity Map:



**Staff Comments:**

## Planning, Zoning and Building Department:

1. Contractor shall coordinate with regulations of Hyrum City Code 12.12 Excavations.
2. Contractor shall coordinate with regulations of Hyrum City Code 12.24 Excavation Permit.
3. Contractor shall coordinate with regulations of Hyrum City Code Title 13 Public Services.
4. Contractor shall coordinate with regulations of Hyrum City Construction Standards.
5. Staff recommends the following corrections are completed for compliance with Hyrum City Code:
  - a. Demonstrate noise levels at the direct regulator station are in compliance Hyrum City Code 9.50 Noise Disturbance.
    - i. We took tests on 2/5 showing reduction in sound to meet city code. We are finalizing the report to provide to the city.
  - b. The existing Fire Hydrant onsite will need to be raised in elevation.
    - i. This is a planned part of the facility renovation. It is proposed this takes place after facility renovations to HY0003 to ensure fire hydrant is raised to final elevation after any changes to the facility.
  - c. Landscaping on the site from the previous site plan approval has died and needs to be replaced.
    - i. This is proposed to happen at the end of construction in the springtime to ensure landscaping does not die before winter concludes.
6. Provide a landscaping plan for the regulator station site. The previously approved existing landscaping plan will be sufficient.
  - a. Added landscaping plan from 2024 as reference. This plan will be used to re-plant
7. Applicant provided a letter regarding insurance. An insurance certificate needs to be provided as regulated by Hyrum City Code 12.24.130 Insurance Requirements.
  - a. Attached a copy of our contractors liability insurance.
8. All city utilities need to be backfilled with sand before applying flowable fill in trenches.
  - a. This is our standard. Our contractor has also been notified of the city's requirements.
9. Public outreach for all construction activities shall be conducted with affected property owners in an informative and timely manner.
  - a. We plan to place door hangers and notify businesses of the disruptions. VMS boards will be placed to communicate construction.
10. A Pre-construction meeting will be required following the City Council's approval of the construction drawings.
  - a. We can plan a pre-construction meeting. We need a list of the city representatives who should be present.
11. As-build documents will need to be provided to the city after completion of the project.
  - a. We can provide As Built's for the sections of the project in the city.

## Engineering:

1. Why Enbridge is putting this new infrastructure out in the right-of-way? It will significantly encumber the right-of-way and prevent future city use of the right-of-way corridor in this area. Once they are installed will Enbridge firmly enforce utility separation from and against other utilities encroaching in the area, taking up essentially all of one side of the roadway?
  - a. I agree the pipe theoretically could fit, however the configuration suggested by the engineer contradicts many of our safety standards. Enbridge has standards to maintain critical distances for equipment at these regulator stations. These standards ensure we can quickly respond to emergencies. After Matt's initial concerns, I brainstormed potential alternatives with our different teams, and we could not find another safe solution.
  - b. We cannot install the valve set with the fence going through it. Our safety requirements specify valves be 5ft from fences.
  - c. To address the concern with the valve set in the ROW, one of the conditions Matt brought to us was the valve set must not be "visually obtrusive". We plan to meet this requirement to the best of our ability.

- d. Valve sets such as this one are very common for us to install in the ROW. We typically have these valve sets in city streets, UDOT roads, and shoulders.
  - e. He is incorrect about us not allowing a utility from passing under our concrete housekeeping pad. Since we are not in an easement within the ROW, we could only have them maintain our vertical clearances (1ft) should they chose to cross under the valves. Crossing over would not be an option given the valve stems. It would not be advised because maintaining the utility crossing under would be a challenge for them if they chose that route.
  - f. We chose the location in the decorative gravel because it is in line east to west with a retention basin on the southwest corner of the decorative gravel. It is unlikely future utilities would align here because of the basin. The basin is not shown on our mechanical drawings. To me, there are still plenty of parallel corridors to install other utilities along 300 North.
2. Fencing around the District Regulator Station is not compliant with the code specified 40 ft view triangle required at intersecting streets. It has been previously determined that, in the event city streets are widened such that sight distance at the intersection is limited, that at the request of the City, Enbridge will adjust the enclosure walls to comply with sight triangles at their sole cost and expense.
    - a. I cannot speak to the initial site approval for the facility. If this was agreed upon, Enbridge will comply.
  3. Add "Vertical and Horizontal Location of" to notes
    - a. Horizontal location will be determined by Blue Stakes. Vertical location will be verified depending on installation method. Trenching will verify vertical utilities at the time of trenching. All utilities in path of the directional bore (only 3), will be potholes prior to drilling the pilot hole. We chose not to update the drawings to specify this note. Enbridge contractor has been notified of the comment.
  4. Several utilities are noted Unknown Depth. Must be identified before directional drilling.
    - a. For all directional drills, our contractor must positively identify all utilities. We will be getting potholes on all utilities we cross with directional drills. There are only three utilities we cross with directional drill in Hyrum City.
  5. MORE STRINGENT OF THE OWNER OR HYRUM CITY UTILITY ...
    - a. We communicated this with our contractor. We will use the more stringent of the owner or Hyrum City Utility. We opted not to update the drawings specifically for this.
  6. Tony, Per our discussion, the Enbridge submitted documents note that all utilities are to be verified (located) prior to commencing work. I think they should do what is noted on their plans. If the city can provide sewer records for services in distance from manholes, that is good. If they can confirm sewer services are sufficiently deep that they won't be damaged in a given area then they maybe do not need to locate each service. Locating all utilities for directional drilling is important. I have seen too many lines get damaged and you do not find out about it for some time later in some cases.
    - a. We will be verifying all utilities using blue stakes prior to any ground disturbance. The third-party engineer seems to believe we are directional drilling most of our project. We will be trenching the majority of the project in the Hyrum City limits. Enbridge has strict guidelines for locating utilities and excavation. Enbridge and our contractors take every precaution to avoid striking other utilities.
  7. TYPICAL COMMENT FOR ALL SHEETS Irrigation services crossing the proposed gas line should be noted on the plans. Each irrigation service has a shut-off at the property. These can be located and shown. The excavation will disrupt each irrigation service and they should be noted on plans for the attention of the contractor, and identified in the field prior to the work per the drawing utility notes.
    - a. We communicated with our contractor that irrigation services exist that are not shown and should be identified in the field. Our survey contractor requested all records and had the project blue staked for all utilities in 2025. We have shown what was provided by the city and utilities. Anything not shown was not provided by city or utility at the time of

- survey. We will get blue stakes again prior to construction start. With the installation method being trenching, the irrigation lines disrupted will be exposed by the trench or untouched. Enbridge has strict guidelines for locating utilities and excavation. Enbridge and our contractors take every precaution to avoid striking other utilities.
8. TYPICAL COMMENT FOR ALL SHEETS Sewer mainlines lines crossing the proposed gas line are noted on the plans. Service lines may be at or near the gas line elevation due to uncertain service line slopes. Services crossing the gas line should be shown if possible. Sewer services are harder to find in site surveys unless there are existing cleanouts visible at property lines (not likely in most cases). The City may be able to provide camera maps of the sewer main line showing distance to services from manholes for Enbridge use to put on the plans. Blue Staking should also show sewer service locations, but is beneficial for contractor to have on the plans.
    - a. We are showing all services that records were provided for and/or blue staked by the sewer utility. We would welcome any camera maps to share with our contractor if they are available. With the installation method being trenching, sewer services will be apparent in trench if they are at or near our gas line elevation. Enbridge has strict guidelines for locating utilities and excavation. Enbridge and our contractors take every precaution to avoid striking other utilities.
  9. TYPICAL COMMENT FOR ALL SHEETS The proposed gas line installation cuts through pavement in existing City streets and will require substantial patching. As part of the patching process a Slurry Seal Coat or Chip Seal in conformance with Hyrum City Standards and as approved by the Streets Department, should be installed after the asphalt patching is complete with the seal coat extending a min. 12" beyond the work or further if existing seal coats are compromised from construction work.
    - a. We have plans to seal the asphalt patching as shown in our trench details. Our contractor is required to meet the jurisdiction requirements.
  10. When edge of patch is too close to the edge of asphalt it is often difficult to keep the original roadway from cracking and breaking up. Typically will get a longitudinal crack form at the narrow pavement edge strip and patch line. Consider removing pavement to edge of existing road and replacing if gas line is 7 ft or less to edge of pavement. By removing to existing edge of pavement, you can eliminate the pre patch saw cut on this side.
    - a. Our contractor is prepared and approved to replace the pavement up to the existing edge of pavement.
  11. 12' From IRR not Sewer
    - a. This change has been communicated with our contractor. Drawings were not updated.
  12. Verify City has a copy of Railroad Work Permit
    - a. We attached the UPRR Agreement. Our contractor has approvals and begun scheduling with Rail Pros.
  13. Specify on Plan to provide As-Built plans for the Directional Bore showing depth of installed pipe based off boring head locator for accurate mapping. Add Note to Plans.
    - a. Enbridge will provide As Builts for the Directional Bore in Hyrum City. We opted not to add a note to the drawing since this will be handled internally by Enbridge and not through contractor.
  14. Specify bury depth. Most of project is 5 ft cover. If less than typical, provide cover requirement.
    - a. This section is outside the Hyrum City limits. Suggest referring to ENB-P-FL153-MAP-001A Sh3 for bore exit depth. Depth may be less at this location to get above the existing JBS gas line.
  15. 5 ft wide minimum patch width (End of patch based on profile view - Does not match plan for surface treatment.)
    - a. This section is outside the Hyrum City limits. The county is having us install their minimum patch.
  16. Specify on Plan to provide As-Built plans for the Directional Bore showing depth of installed pipe based off boring head locator for accurate mapping. Add Note to Plans.
    - a. This section is outside the Hyrum City limits. We can provide the bore logs for directional drills in Hyrum City.

17. Please explain the rationale to extend the gas line almost 200 feet further along 200 West before crossing to the south and then backtracking to the HY0004 site. Extending the line and backtracking significantly increases amount of road to cut up and patch.
  - a. This section is outside the Hyrum City limits. We have to maintain certain bend radii and entry and exit angles to ensure inadvertent returns meet Enbridge standards. The directional drill design required us to reach a certain depth and other standards pushed the pipe out nearly an additional 100ft. With a potential future regulator facility in east Hyrum, the additional feet could be used in the future to extend our pipeline to that station.
18. It appears that this note for HDD is incorrect. Plan view shows this is the end of pipe.
  - a. This is outside the Hyrum City limits. The engineer is correct. We communicated this with our contractor. It should not affect our contractor as all directional drilling is done according to the ENB-P-MAP-FL153-001A drawings.
19. Plan view shows this to be HDD Boring. Please Review and Verify Installation. Boring installations on other sheets do not show pipe, refers to Terracon....
  - a. This is the section of backtracked pipe. We will have both directional drill and trenching in this area. Our contractor has been made aware of sections of directional drill and trenching.
20. CRACKED AND SEPARATED PAVEMENT EDGES ARE TO BE REMOVED AND SAWCUT ADJUSTED TO PROVIDE A 12:1 TAPER AROUND SEPARATED ASPHALT. HYRUM CITY TO REVIEW AND APPROVE SAWCUT AND ASPHALT PATCH EXTENT PRIOR TO PAVING.
  - a. We have made our contractor aware of the requirement. They will work with the city streets department to approve sawcut and asphalt patch. We opted not to update the drawings.

Power Department:

1. Be advised overhead power lines exist in the public right of way.
  - a. Enbridge contractor has been notified and is aware of overhead power. Overhead power signage will be required by our company standards.
2. Work cautiously around underground power shown on Sheet 3 of 12 on the feeder line drawings.
  - a. Enbridge contractor has been notified and is aware of underground power. They will take appropriate precautions for the underground power prior to excavation.

Sewer Department:

1. Sewer lateral locations and top of lateral elevations need to be illustrated on the high-pressure feeder line construction documents prior to site plan approval.
  - a. These were not provided by the city when we requested last year. We can only show the information that is provided to us. We will have the lines blue staked prior to any ground disturbance. All sewer lines should be in trenched section of our construction, and any damage would be exposed and addressed promptly.
2. Before and After completion sewer main CCTVs need to be provided to the city.
  - a. We typically only provide CCTV's of sewer lines along directional bore. All sewer mains should be in the trenched sections of the project and any damage would be exposed in the trench should the trench extend to the depth of the sewer.
3. Sheet 7 of 12 on the feeder line drawings shows a 12'-0" offset dimension from sewer main. The sewer does not exist at this location.
  - a. Enbridge contractor has been notified and is aware offset from irrigation.

Water/Streets Department:

1. Water and Irrigation lateral and main line locations and top elevations need to be illustrated on the high-pressure feeder line construction documents prior to site plan approval.
  - a. These were not provided by the city when we requested last year. We can only show the information that is provided to us. We will have the lines blue staked prior to any ground disturbance. Majority of water lines would be in trenched section of our construction. Enbridge has strict guidelines for locating utilities and excavation. Enbridge and our contractors take every precaution to avoid striking other utilities.

2. Need to provide a VMS traffic board entering Hyrum City on Highway 101 during the duration of the project.
  - a. We will provide VMS boards for the duration of the project.

**CITY COUNCIL RESPONSIBILITY:**

1. The City Council may approve, disapprove, or approve with additional conditions and requirements, or require the requestor to return to the Planning Commission with revisions; or require the applicant to return revisions to the City Council.

**STAFF RECOMMENDATION:**

1. Staff recommends the City Council make a motion to approve the site plan with staff comments and any additional specifying conditions and requirements.

**STIPULATIONS:**

1. Approval of the site plan shall be effective for one (1) year from the date of final approval by the City Council. If construction has not begun during that period, or an extended by the City Council, the site plan approval is void and applicant shall be required to submit a new site plan for review and approval subject to the then existing provisions of this code.
2. The applicant will be working in the public right-of-way with an approved excavation permit and certificate of liability insurance.
3. The applicant will attend a pre-construction meeting prior to the commencement of construction.

**FINDINGS OF FACT:**

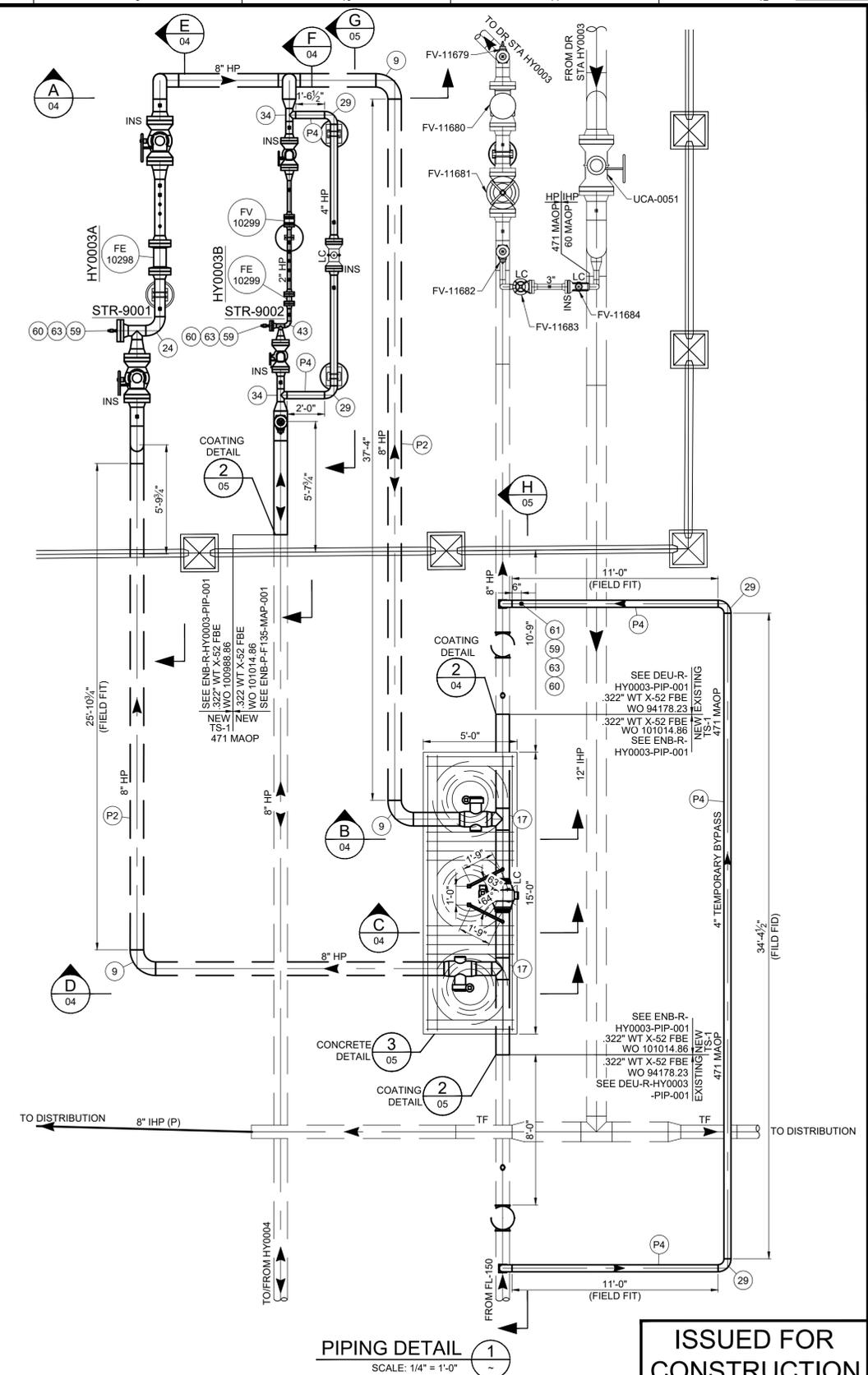
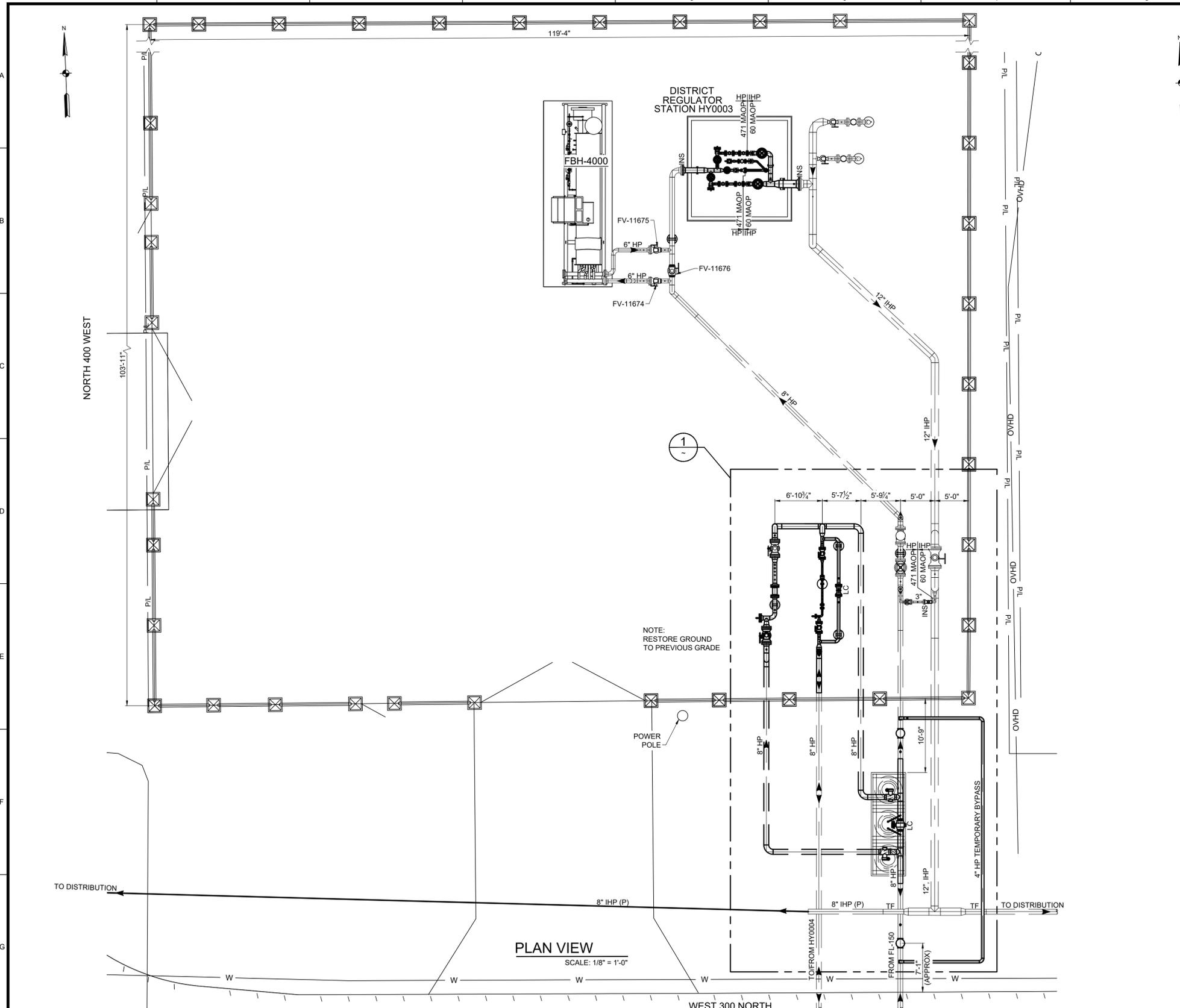
1. Public structures (i.e. courts, city hall, fire stations, public works, electrical, gas, and telephone transmission lines and stations, etc.)

**Attachments:**

- A. District Regulator Station Site Plans (4 Pages)
- B. District Regulator Station Landscape Plan (2 Pages)
- C. Feeder Line Site Plans (30 Pages)
- D. Traffic Control Plans (8 Pages)

**Submittals Not Attached On Hyrum City Record Available Upon Request:**

- A. Storm Water Pollution Prevention Plan
- B. Excavation and Right-of-Way Encroachment Application
- C. Certificate of Liability Insurance



PLAN VIEW  
SCALE: 1/8" = 1'-0"

PIPING DETAIL  
SCALE: 1/4" = 1'-0"

**ISSUED FOR CONSTRUCTION**

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD								
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:	PROJECT ENGR:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:	MEAS & CTRLS:	AUTOM ENGR:
ENB-P-F153-MAP-001	0	FL-153 ALIGNMENT TO HYRUM RING FACILITY	101014.86	0	ISSUED FOR CONSTRUCTION	10/16/2025	KJK	IAT	K KEMPLE	I TORRES	A ASPLUND	E CLEMENCE	W RADFORD	D FRANCIS	J ANDERSON	K YAGI
ENB-R-HY0003-PID-001	0	PIPING AND INSTRUMENTATION DIAGRAM														

**ENBRIDGE**

SECTION: 5 T10N R1E  
ELEVATION: 4632'  
LAT: 41.64079 LONG: -111.86568  
SCALE: AS SHOWN

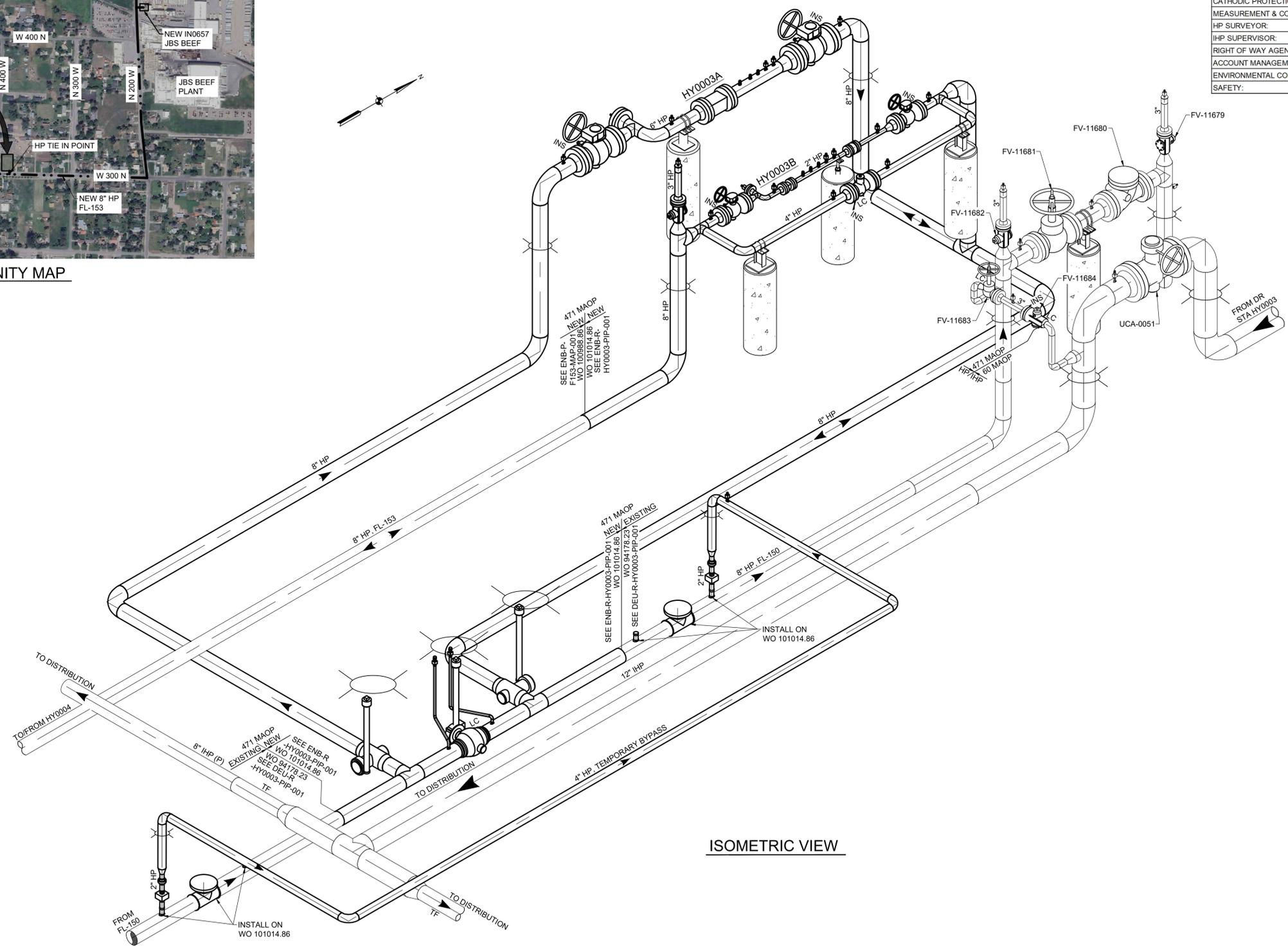
LINE NUMBER: FL-150 & 153  
FACILITY: DISTRICT REGULATOR STATION HY0003  
TITLE: BLOCK VALVE AND METER RUNS (HY0003A & HY0003B)  
DESCRIPTION: PLAN VIEW AND PIPING DETAIL  
ADDRESS: 300 NORTH 400 WEST

CITY: HYRUM	COUNTY: CASHE	STATE: UTAH
DRAWING NUMBER: ENB-R-HY0003-PIP-001		SHEET: 3 OF 5
REVISION: 0		REVISION: 0

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VICINITY MAP



ISOMETRIC VIEW

PROJECT CONTACTS		
PROJECT MANAGER:	ANDREW ASPLUND	(801) 694-3871
PROJECT ENGINEER:	ANDREW ASPLUND	(801) 694-3871
CATHODIC PROTECTION:	KENNETH WINN	(801) 310-3241
MEASUREMENT & CONTROLS:	JR SHARP	(801) 209-8126
HP SURVEYOR:	ENOCH CLEMENCE	(801) 793-7950
IHP SUPERVISOR:	ERIC FUHRMAN (NORTHERN - LOGAN)	(435) 881-0805
RIGHT OF WAY AGENT:	CAROLINE KING	(385) 499-0998
ACCOUNT MANAGEMENT / BUSINESS DEVELOPMENT:	SHELLY FOUTIN	(801) 201-6779
ENVIRONMENTAL COMPLIANCE:	STEPHAN RYDER	(330) 813-8805
SAFETY:	CARRIE CHRISTOFFERSON	(385) 910-7749

- NOTES**  
(ALL NOTES MAY OR MAY NOT PERTAIN TO THIS DRAWING)
- BOLD LINES AND/OR CLOUDS REPRESENT NEW PIPING.
  - R<sub>i</sub> IDENTIFIES GUIDE BARRED TEES.
  - ANY MATERIAL SUBSTITUTION OR FIELD DESIGN CHANGES REQUIRE ENGINEERING APPROVAL.
  - SEE SPECIFICATION 9-00-01 FOR MATERIAL NOTE NUMBERS LISTED.
  - LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
  - CORROSION CONTROL: BURIED FABRICATION PIPING SHALL BE CLEANED AND COATED PER SP 2-13-10. THE RECOMMENDED FIELD APPLIED COATING FOR BURIED FBE PIPING IS 2-PART EPOXY AND FOR BURIED ARO PIPING POWERCRETE J APPLIED COATING. COATING TRANSITIONS ARE TO BE APPLIED PER ENB-TYP-GEN-PIP-001. SOIL TO AIR INTERFACES (TRANSITIONS FROM BELOW TO ABOVE GROUND) REQUIRE AN OVERCOAT OF TRENTON WAX TAPE NUMBER 2 APPLIED PER SP 2-13-11. ALL BURIED PIPING TO BE CATHODICALLY PROTECTED WITHIN ONE YEAR OF INSTALLATION. ABOVE GROUND PIPING IS TO BE COATED PER SP 2-13-11. CONSULT CORROSION ENGINEERING FOR PIPELINE COATING EQUIVALENTS.
  - FIELD VERIFY WALL THICKNESS AT ALL TIE-IN LOCATIONS.
  - ALL VALVES MUST HAVE APPROPRIATE LOCKING DEVICES.
  - BALL VALVES - REMOVE ALL MANUFACTURER VENT PLUGS AND REPLACE WITH SMALL BALL VALVES.
  - ALL CHECK VALVES TO BE VENTED.
  - INSULATE GAUGE AND CONTROL LINES, RELIEF STACK, SUPPORT BRACKETS, ETC.
  - ENSURE INSULATION POINTS ARE NOT SHORTED /BYPASSED THROUGH FUEL GAS PIPING, ELECTRICAL CONDUIT, ETC. THAT ARE ATTACHED TO THE PIPE SUPPORTS.
  - ALL PIPE SHALL HAVE MILL TEST REPORTS (MTR'S) AS DEFINED WITHIN STANDARD PRACTICE 3-95-01.
  - THE FORMULA USED TO CALCULATE THE MAWP FOR ALL STEEL PIPE AND NON-RATED FITTINGS IS  $P=(2S/D) \times F \times E \times T$ , WHERE F=0.5 FOR A CLASS 3 LOCATION, E=1, AND T=1.
  - 2" IN SERVICE FILLET WELDS SHALL RECEIVE 100% NDE.
  - PIPE IS DESIGNED TO WITHSTAND ANTICIPATED EXTERNAL PRESSURES AND LOADS FOLLOWING SP 1-01-02.



CALL THREE BUSINESS DAYS BEFORE YOU DIG TO HAVE UTILITIES LOCATED  
811 OR 1-800-662-4111

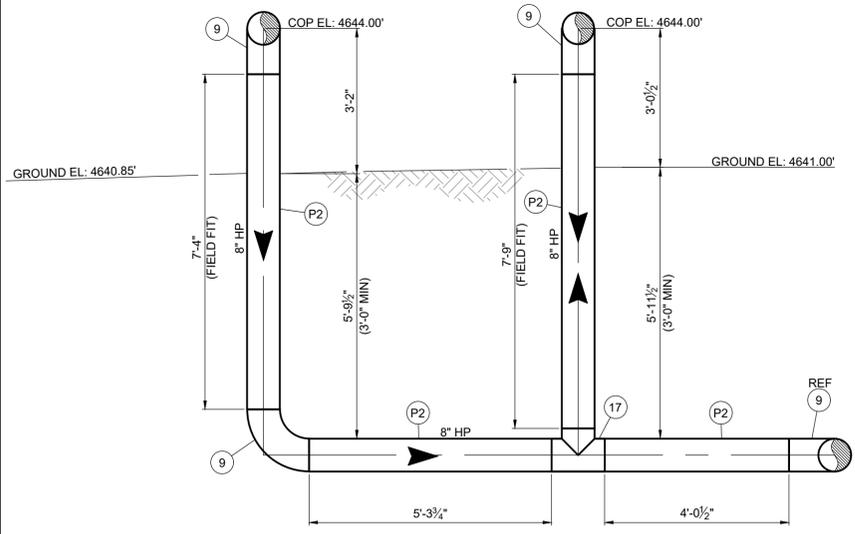
**ISSUED FOR CONSTRUCTION**

DRAWING NUMBER		REV		DRAWING DESCRIPTION		WO NUMBER		FL-153 TIE IN LOCATION		NO		ISSUED FOR CONSTRUCTION		DATE		BY		CHECK		ENGINEERING RECORD	
ENB-P-F153-MAP-001	0	FL-153 ALIGNMENT TO HYURM RING FACILITY		101014.86	FL-153 TIE IN LOCATION	0	ISSUED FOR CONSTRUCTION	10/16/2025	KJK	IAT	DRAWN BY: K KEMPLE										
ENB-R-HY0003-PID-001	0	PIPING AND INSTRUMENTATION DIAGRAM									CHECKED BY: I TORRES										
											PROJECT ENGR: A ASPLUND										
											SURVEYOR: E CLEMENCE										
											ENGR MNGR: W RADFORD										
											CONSTR MNGR: D FRANCIS										
											MEAS & CTRLS: J ANDERSON										
											AUTOM ENGR: K YAGI										

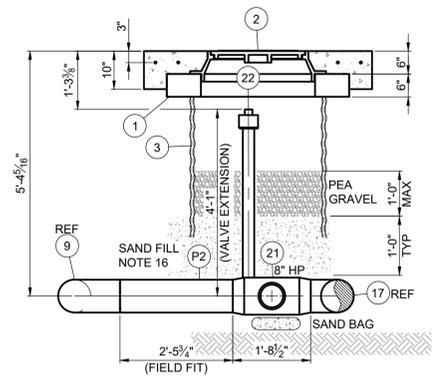
LINE NUMBER:	FL- 150 & 153		
FACILITY:	DISTRICT REGULATOR STATION HY0003		
TITLE:	BLOCK VALVE AND METER RUNS (HY0003A & HY0003B)		
DESCRIPTION:	VICINITY MAP AND ISOMETRIC VIEW		
ADDRESS:	300 NORTH 400 WEST		
CITY	COUNTY	STATE	
HYURM	CASHE	UTAH	
DRAWING NUMBER		SHEET	REVISION
ENB-R-HY0003-PIP-001		1 OF 5	0

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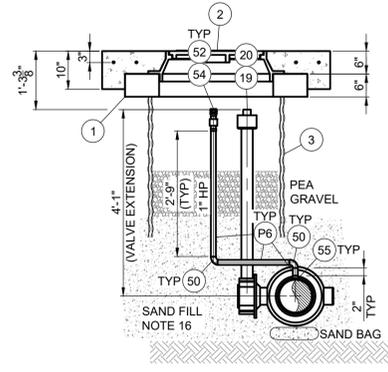
ENBRIDGE GAS - ANS LD



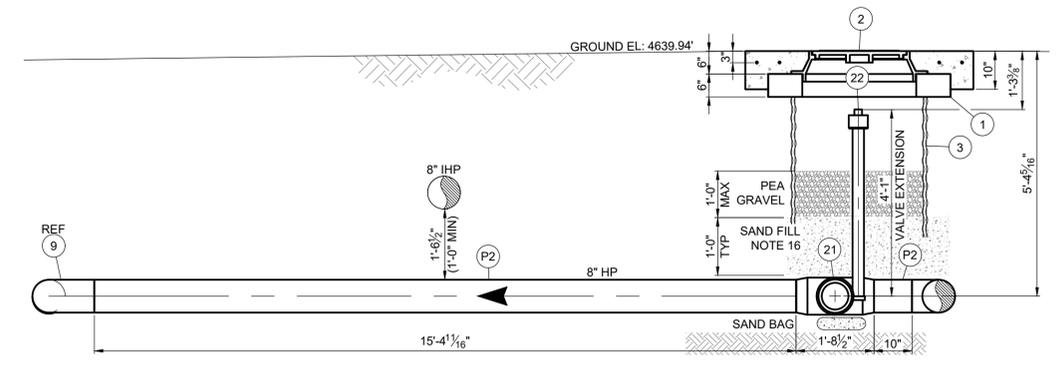
SECTION A  
03



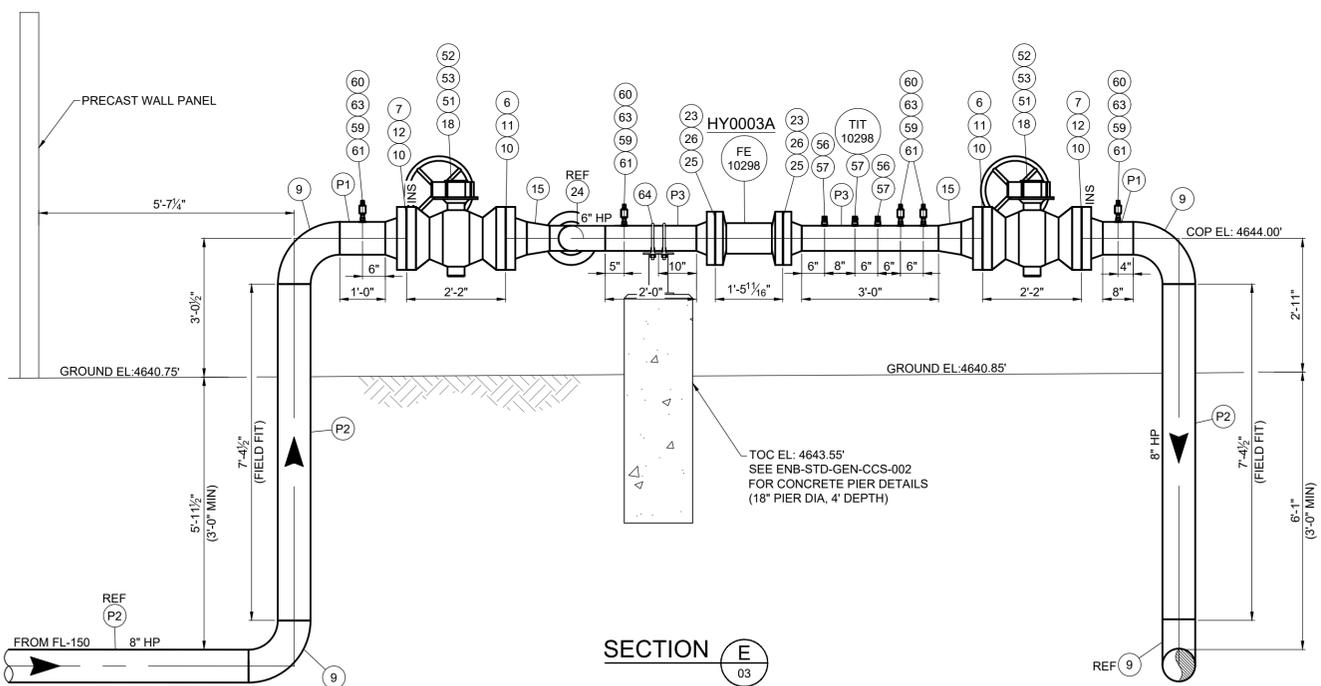
SECTION B  
03



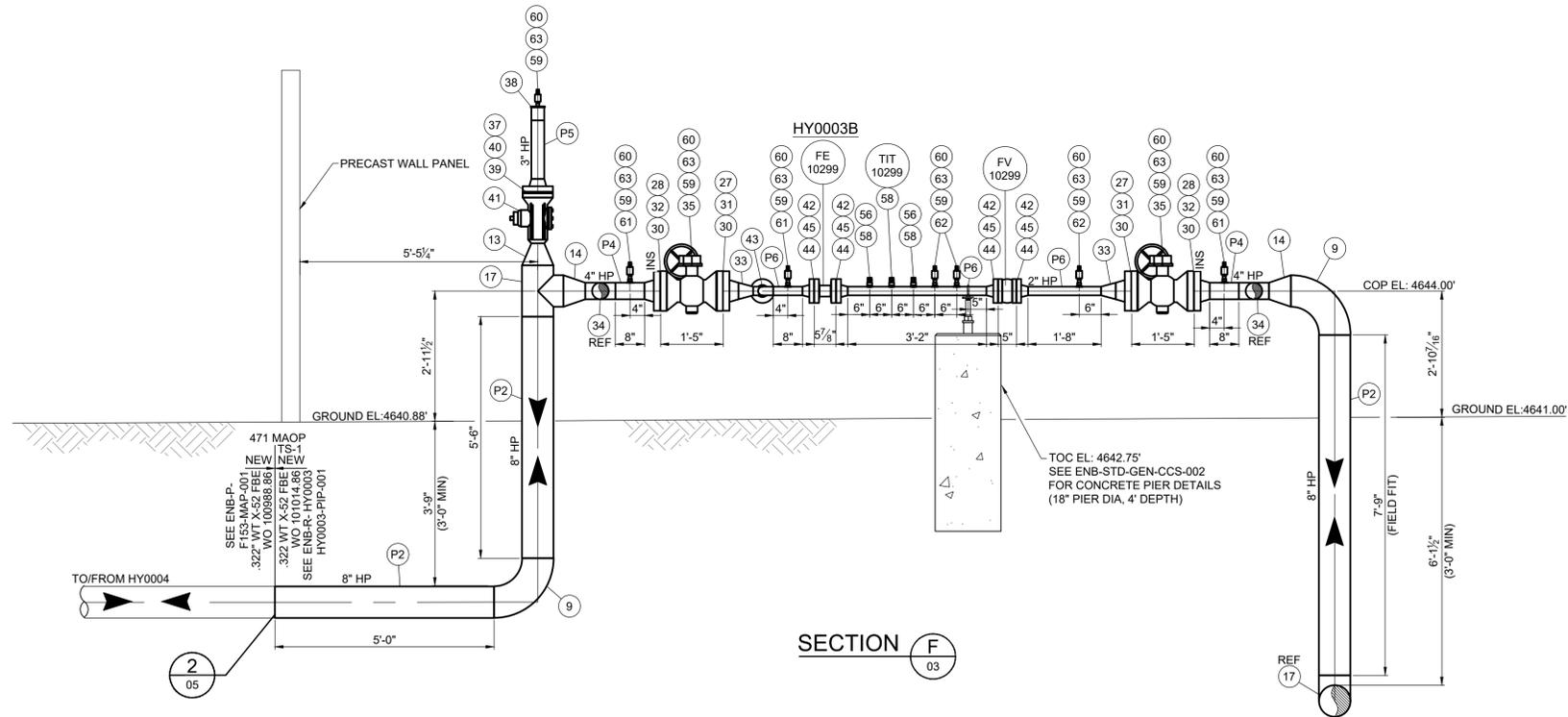
SECTION C  
03



SECTION D  
03



SECTION E  
03



SECTION F  
03

ISSUED FOR CONSTRUCTION

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS			ENGINEERING RECORD			
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY: K KEMPLE
ENB-P-F153-MAP-001	0	FL-153 ALIGNMENT TO HYRUM RING FACILITY	101014.86	FL-153 TIE IN LOCATION	0	ISSUED FOR CONSTRUCTION	10/16/2025	KJK	IAT	CHECKED BY: I TORRES
ENB-R-HY0003-PIP-001	0	PIPING AND INSTRUMENTATION DIAGRAM								PROJECT ENGR: A ASPLUND
ENB-STD-GEN-CCS-002	3	E-Z LINE PIPE SUPPORTS FIGURE "F" W/ I-ROD HEAD								SURVEYOR: E CLEMENCE
										ENGR MNGR: W RADFORD
										CONSTR MNGR: D FRANCIS
										MEAS & CTRLS: J ANDERSON
										AUTOM ENGR: K YAGI

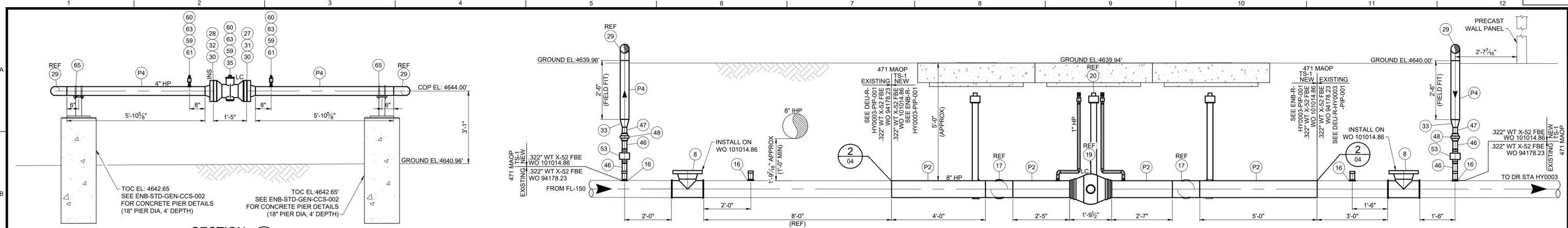
**ENBRIDGE**

SECTION: 5 T10N R1E  
 ELEVATION: 4632'  
 LAT: 41.64079 LONG: -111.86568  
 SCALE: 1/2" = 1'-0"

LINE NUMBER: FL- 150 & 153  
 FACILITY: DISTRICT REGULATOR STATION HY0003  
 TITLE: BLOCK VALVE AND METER RUNS (HY0003A & HY0003B)  
 DESCRIPTION: SECTIONS AND DETAILS  
 ADDRESS: 300 NORTH 400 WEST

CITY: HYRUM	COUNTY: CASHE	STATE: UTAH
DRAWING NUMBER: ENB-R-HY0003-PIP-001		SHEET: 4 OF 5
REVISION: 0		REVISION: 0

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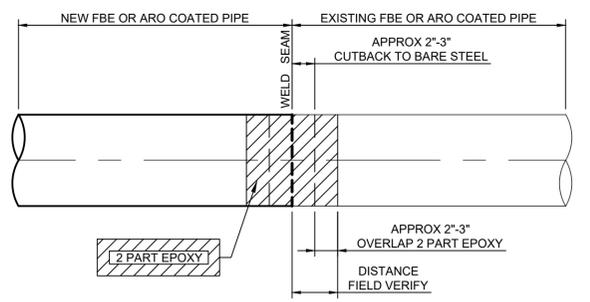


**SECTION G**  
SCALE: 1/2" = 1'-0"

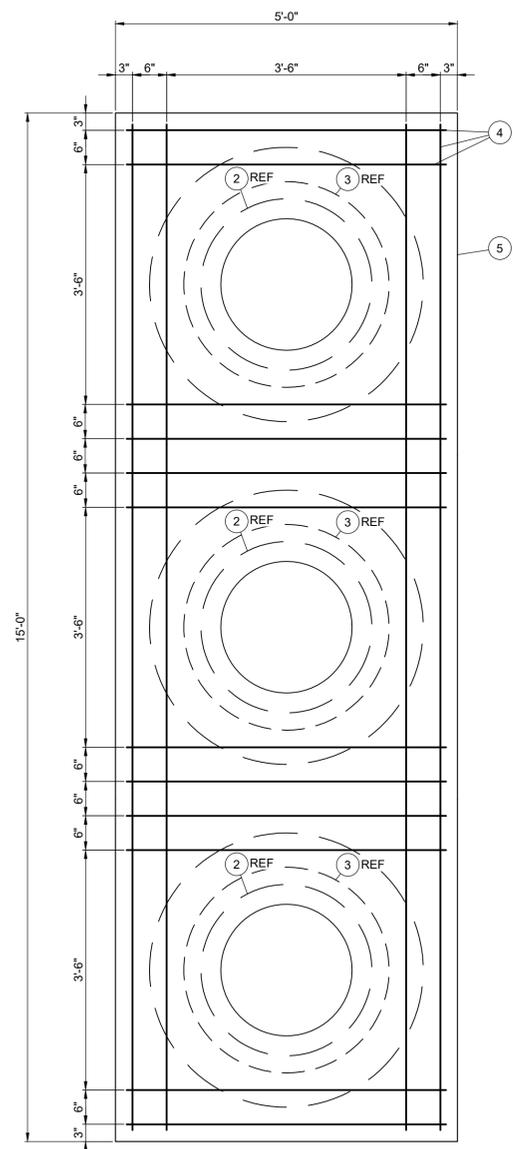
**SECTION H**  
SCALE: 1/2" = 1'-0"

**CONCRETE SPECIFICATIONS**

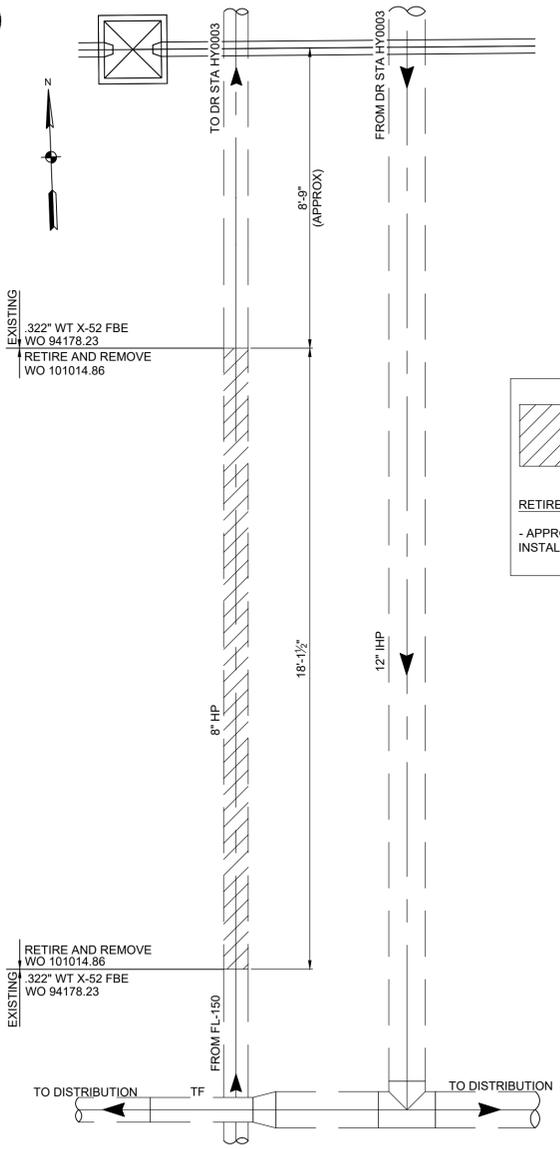
- REINFORCING STEEL**
- REFERENCES
    - A. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
    - B. ACI "DETAILING MANUAL"
    - C. CRSI MSP-1 "MANUAL OF STANDARD PRACTICE"
  - REINFORCING STEEL: ASTM A706 DEFORMED BARS OR ASTM A615 GRADE 60 DEFORMED BARS WITH AN ACTUAL YIELD STRENGTH NOT EXCEEDING 78,000 PSI AND A RATIO OF ACTUAL ULTIMATE TENSILE STRENGTH TO ACTUAL YIELD STRENGTH NOT LESS THAN 1.25.
  - PROVIDE MINIMUM CONCRETE COVER OVER REINFORCING STEEL AS FOLLOWS, UNLESS STATED OTHERWISE:
    - 3 INCHES FOR CONCRETE CAST AGAINST EARTH
    - 2 INCHES OTHERWISE
    - PROVIDE MINIMUM 1 1/2" CONCRETE COVER TO TOP OF FLATWORK IF APPLICABLE.
  - SECURE ALL REINFORCING, INCLUDING DOWELS, IN POSITION WITH BAR SUPPORTS PER CRSI BEFORE CONCRETE PLACEMENT.
- CONCRETE MATERIALS**
- PORTLAND CEMENT: ASTM C150 TYPE I/II
  - FLY ASH: ASTM 618 CLASS C OR F INCLUDING TABLE 3 SPECIFICATIONS
    - A. CONTENT BY WEIGHT: 15% MINIMUM EXCEPT SLABS - 25% MAXIMUM
  - NORMAL WEIGHT AGGREGATES: ASTM C33, CLASS 3S OR GREATER
  - WATER: POTABLE, IN CONFORMANCE WITH ASTM C94
  - WATER-REDUCING ADMIXTURE: ASTM C494
  - AIR-ENTRAINING ADMIXTURE: ASTM C260
  - STRUCTURAL CONCRETE: ACI 318, CHAPTERS 3 AND 5.
  - CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTH WITHIN 28 DAYS FOR DRIVES, PADS AND FOOTINGS: 4000 PSI.
  - USE AIR-ENTRAINED CONCRETE OF 5%-7% AIR BY VOLUME.
  - CONCRETE SLUMP RANGE OF 3'-6".



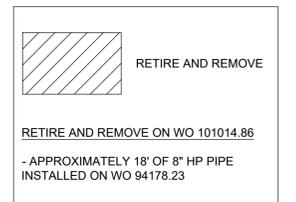
**COATING DETAIL**  
SCALE: NONE  
03/04



**MAN HOLE DETAIL**  
SCALE: 3/4" = 1'-0"



**RETIREMENT VIEW**  
SCALE: 3/8" = 1'-0"



**ISSUED FOR CONSTRUCTION**

REFERENCE DRAWINGS			WORK ORDERS		REVISIONS				ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:
ENB-P-F153-MAP-001	0	FL-153 ALIGNMENT TO HYRUM RING FACILITY	101014.86	FL-153 TIE IN LOCATION	0	ISSUED FOR CONSTRUCTION	10/16/2025	KJK	IAT	K KEMPLE	I TORRES
ENB-R-HY0003-PID-001	0	PIPING AND INSTRUMENTATION DIAGRAM								A ASPLUND	E CLEMENCE
ENB-STD-GEN-CCS-002	3	E-Z LINE PIPE SUPPORTS FIGURE "F" W/1-ROD HEAD								W RADFORD	D FRANCIS
										J ANDERSON	K YAGI

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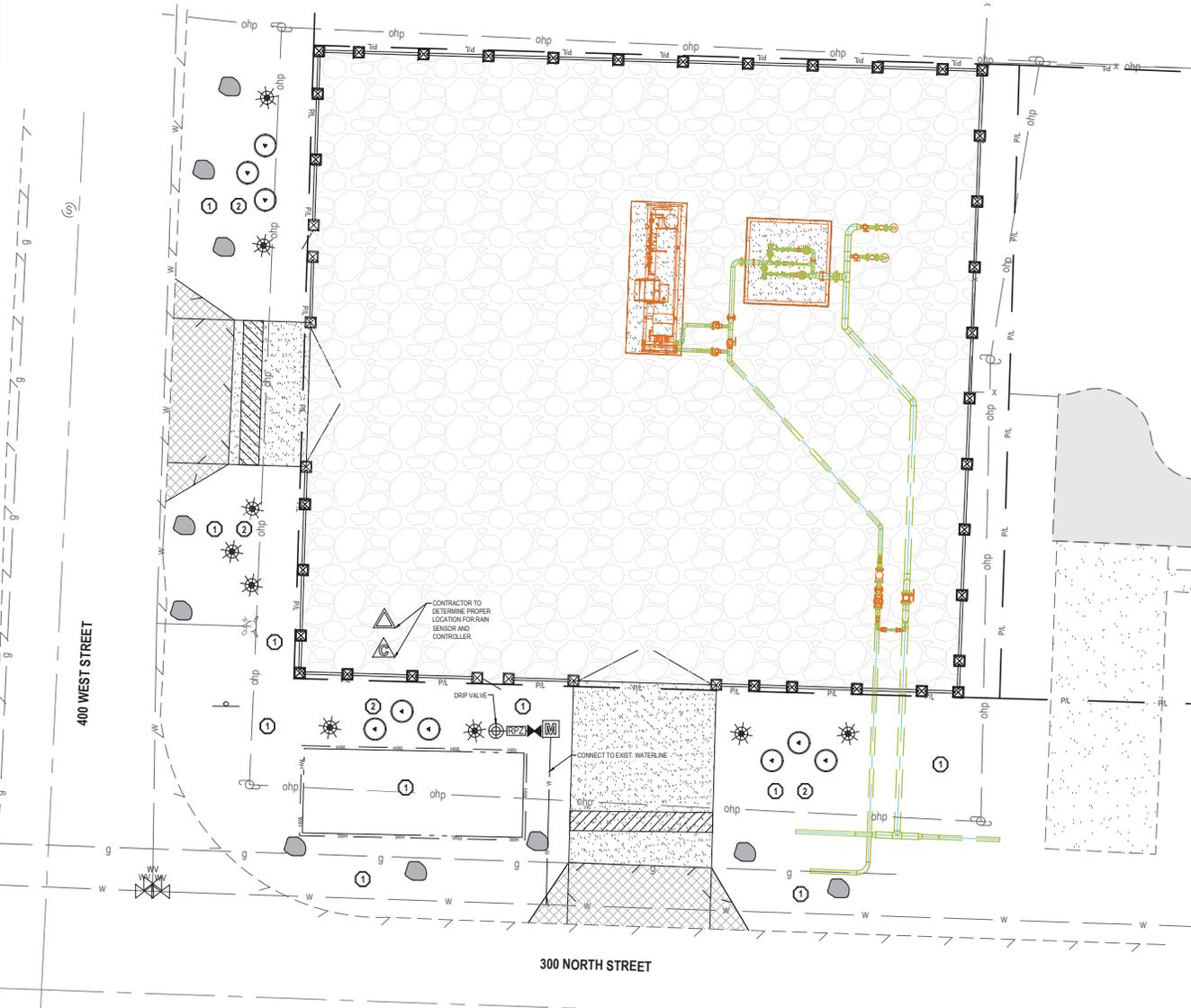


SECTION: 5 T10N R1E  
ELEVATION: 4632'  
LAT: 41.64079 LONG: -111.86568  
SCALE: AS SHOWN

LINE NUMBER:	FL- 150 & 153
FACILITY:	DISTRICT REGULATOR STATION HY0003
TITLE:	BLOCK VALVE AND METER RUNS (HY0003A & HY0003B)
DESCRIPTION:	SECTION AND DETAILS
ADDRESS:	300 NORTH 400 WEST
CITY:	HYRUM
COUNTY:	CASHE
STATE:	UTAH
DRAWING NUMBER:	ENB-R-HY0003-PIP-001
SHEET:	5 OF 5
REVISION:	0

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

Section 9. Item B.



**Landscape Legend**

Qty	Symbol	Common Name	Botanical Name	Plant Size
9	⊙	Winged Euonymus	Euonymus alatus 'Grove's Compacta'	5 Gallon
9	✱	Pine Mugo	Pinus mugo 'Compacta'	5 Gallon
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 XICZ-100 COM
	▨	Pipe Sleeve - 2x Pipe Diameter
	▬	Mainline - 1" Schedule 40 PVC
1	⊠	3/4 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 Backflow Prevention Device

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 (6) 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.

**RE-ISSUED FOR CONSTRUCTION**

**ENSIGN**  
THE STANDARD IN ENGINEERING

**SALT LAKE CITY**  
45 West 1050 South  
Suite 500  
Sandy, Utah 84070  
Phone: 801.255.0529  
Fax: 801.255.4469  
www.ensigninc.com

**LAYTON**  
Phone: 801.547.1100

**TOOELE**  
Phone: 433.843.3690

**CEAR CITY**  
Phone: 433.865.1623

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	WD NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY
DEU-R-HY0003-PIP-001	0	8626.22	FL-150 INSTALL 3'x3' REGULATOR STATION HY0003 AND HEATER	0	ISSUED FOR CONSTRUCTION	01/24/2023	J. TORRES
				1	RE-ISSUED FOR CONSTRUCTION	03/28/2024	J. TORRES

**Dominion Energy**  
DOMINION ENERGY UTAH

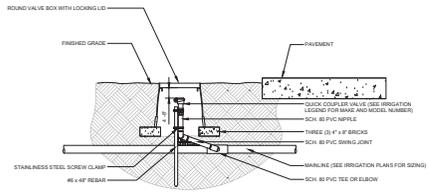
SECTION: T R  
ELEVATION:  
LAT: LONG:  
SCALE: AS SHOWN

LINE NUMBER:  
FACILITY:  
TITLE:  
DESCRIPTION:  
ADDRESS:

FL-150  
DISTRICT REGULATOR STATION HY0003  
3X3 REGULATOR STATION AND HEATER  
LANDSCAPE AND IRRIGATION PLAN  
388 WEST 300 NORTH

CITY: HYURUM CITY COUNTY: CACHE STATE: UTAH  
DRAWING NUMBER: DEU-R-HY0003-CCS-001 SHEET: 11 of 12 REVISION: 1

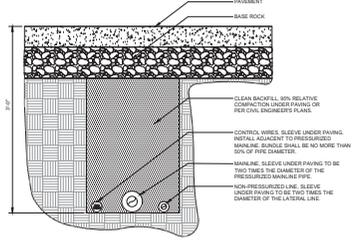
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- NOTES:
- 1- ALL THREADED CONNECTIONS SHALL BE INSTALLED USING TEFLON TAPE.
  - 2- VALVE BOX SHALL BE INSTALLED WITH A MINIMUM 1/4" THICK PLASTIC AND SECURED TO THE VALVE BOX USING DUCT TAPE OR ELECTRICAL TAPE.
  - 3- ALL LOCK COLLARS SHALL BE INSTALLED A MINIMUM 1/4" OFF OF THE MAINLINE.
  - 4- VALVE BOXES SHALL BE LOCATED IN PLANTING AREAS.

**9 QUICK-COUPLING VALVE**

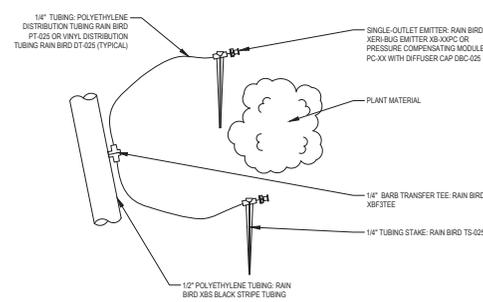
SCALE: NONE



- 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" ABOVE 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.

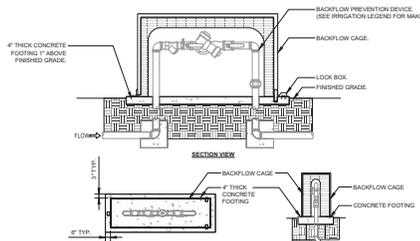
**10 PIPE BENEATH PAVEMENT**

SCALE: NONE



**6 DRIP DETAIL**

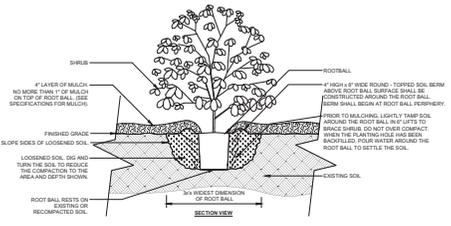
SCALE: NONE



- NOTES:
- 1- INSTALL BACKFLOW CAGE PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
  - 2- SEE BACKFLOW PREVENTION DEVICE DETAIL FOR REFERENCE.
  - 3- LOCK BOX SHALL BE LOCATED ABOVE CONCRETE FOOTING.
  - 3- CONTRACTOR SHALL PROVIDE A LOCK AS APPROVED BY THE OWNER'S REPRESENTATIVE.

**7 BACKFLOW CAGE**

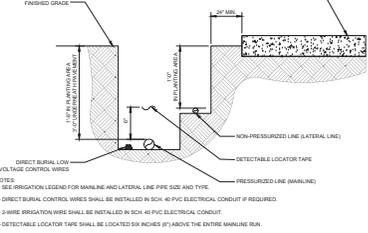
SCALE: NONE



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

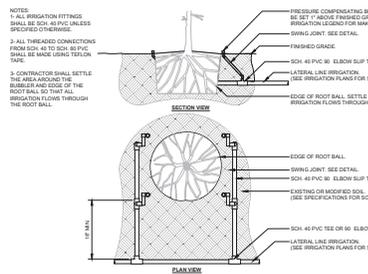
**8 SHRUB PLANTING DETAIL**

SCALE: NONE



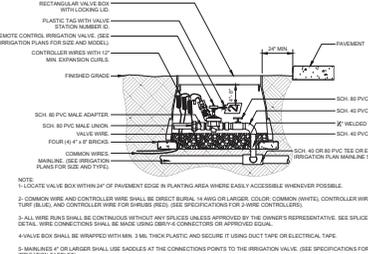
**3 IRRIGATION TRENCHING**

SCALE: NONE



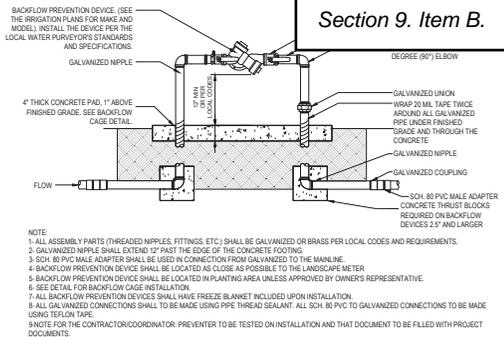
**4 BUBBLER DETAIL**

SCALE: NONE



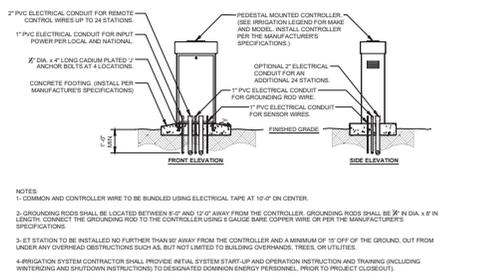
**5 CONTROL VALVE**

SCALE: NONE



**1 BACKFLOW PREVENTER**

SCALE: NONE



**2 IRRIGATION CONTROLLER**

SCALE: NONE

**RE-ISSUED FOR CONSTRUCTION**

**ENSGN**  
THE STANDARD IN ENGINEERING

**SALT LAKE CITY**  
801 West 10300 South  
Suite 500  
Sandy, Utah 84070  
Phone: 435.863.0390  
Fax: 801.255.4469  
www.ensgn.com

**LAYTON**  
Phone: 801.547.1100

**TOOLE**  
Phone: 435.863.3900

**CDAR CITY**  
Phone: 435.865.1483

ENSGN PROJ. No.: 12770 PROJ. MANAGER: D. ALTER PROJ. ENGINEER: D. ALTER  
ENSGN SHEET:

REFERENCE DRAWINGS			WORK ORDERS			REVISIONS			ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	ISSUED FOR CONSTRUCTION	DATE	BY	CHECK	DRAWN BY	DESIGNED (ENSGN)
DEL-R-HY0003-PIP-001	D	DISTRICT REGULATOR STATION HY0003 - PIPING	95626.22	FL-150 INSTALL 3"x3" REGULATOR STATION HY0003 AND HEATER	0	ISSUED FOR CONSTRUCTION	01/24/2024	ENSGN	IAT	CHECKED BY: J. TORRES	
					1	RE-ISSUED FOR CONSTRUCTION	03/28/2024	ENSGN	IAT	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:	388 WEST 300 NORTH
CITY:	HYRUM CITY
COUNTY:	CACHE
STATE:	UTAH
DRAWING NUMBER:	DEU-R-HY0003-CCS-001
SHEET:	12
REVISION:	1

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DOMINION ENERGY UTAH

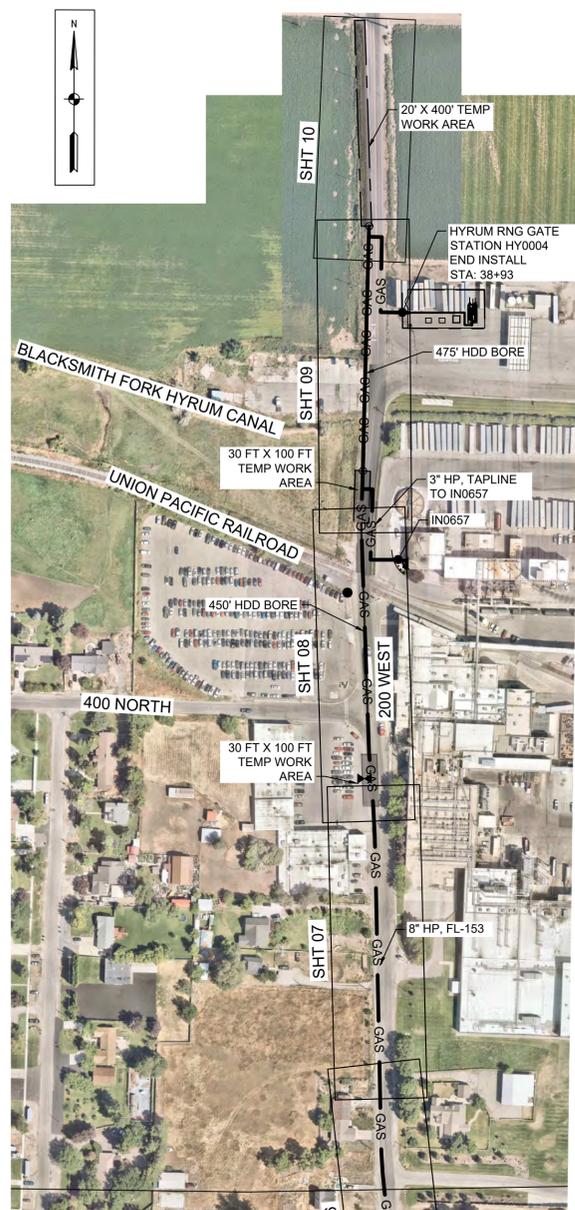
SECTION:	T	R
ELEVATION:		
LAT:		LONG:
SCALE:	AS SHOWN	

DOMINION ENERGY - ENSGN 10



VICINITY MAP

SURVEY CONTROL				
FL-153 STAKEOUT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
<b>FL-153 ALIGNMENT</b>				
1	3757363.135	1540512.269	0	BP: 0+00
2	3757320.263	1540510.598	0	Pt. 0+42.9
3	3757274.393	1541864.924	0	Pt. 13+98.0
4	3757278.001	1541868.773	0	Pt. 14+03.3
5	3757590.337	1541816.629	0	PC: 17+19.9
6	3757854.503	1541791.396	0	PT: 19+85.7
7	3758350.339	1541781.363	0	PC: 24+81.7
8	3758522.477	1541772.104	0	PT: 26+54.1
9	3758552.53	1541769.398	0	BORE EXIT: 26+84.3
10	3759002.263	1541753.897	0	BORE ENTRY: 31+34.3
11	3759067.949	1541755.911	0	BP: 32+00 8X3 TEE
12	3759102.995	1541756.985	0	BORE ENTRY: 32+35.1
13	3759557.39	1541768.673	0	Pt. 36+89.6
14	3759577.838	1541769.199	0	BORE EXIT
15	3759557.004	1541794.039	0	Pt. 37+15
16	3759410.924	1541791.82	0	Pt. 38+61.1
17	3759410.11	1541845.407	0	EP: 39+14.7
<b>IN0657 TAPLINE</b>				
18	3759067.33	1541776.101	0	Pt. 0+20.2
19	3758930.363	1541772.156	0	Pt. 1+57.2
20	3758930.323	1541820.061	0	EP: 2+05
<b>SURVEY CONTROL</b>				
600	3757749.218	1544182.132	4619.03	SEC SE COR 32
601	3757702.925	1541541.384	4645.806	SEC S1/4 32
602	3757740.731	1538854.991	4622.088	SEC SW 32
603	3757316.232	1540367.397	4639.622	MON 300N 400W
604	3757290.492	1541118.844	4646.839	MON 300N 300W
605	3757234.303	1543400.574	4632.657	MON 300N CENTER ST
606	3755741.011	1541832.494	4664.151	MON 200S 100N
607	3757342.206	1539607.698	4634.712	MON 300N 500W
702	3757326.824	1540475.735	4640.012	CR-702
10073	3757303.685	1540394.592	4638.279	SSMH (BENCH MARK)
43515	3758941.865	1541829.567	4602.62	SSMH (BENCH MARK)
73997	3759282.047	1541812.684	4593.091	SSMH (BENCH MARK)



ALIGNMENT SHEET KEY



MATERIAL LIST						
NOTE 3						
ITEM #	QTY	SIZE	DESCRIPTION	MAWP NOTE 14	TEST SEG	MATL NOTES NOTE 4
<b>WO #: 100988.86</b>						
1	7	8"	ELL, CS, 90 DEG 5R, SEGMENTABLE, BW, 8.625 OD 0.322 WT, Y-52, ASTM A694, MSS SP75	1941	TS-1	3
2	10	8"	ELL, CS, 45 DEG 5R, SEGMENTABLE, BW, 8.625 OD 0.322 WT, Y-52, ASTM A694, MSS SP75	1941	TS-1	3
3	1	N/A	8" PIPELINE WITH 1/2" TAP VALVE ASSEMBLY - SEE ENB-P-F153-PIP-001-r0	N/A	N/A	N/A
4	5	N/A	CATHODIC PROTECTION PIPELINE CROSSING - SEE ENB-STD-COR-COR-009-r3	N/A	N/A	N/A
5	3	N/A	TEST STATION WITH GALVANIC ANODES - SEE ENB-STD-COR-COR-011-r5	N/A	N/A	N/A
6	2	N/A	METRIC CORR ELECTRICAL RESISTANCE PROBE - SEE ENB-STD-COR-COR-016-r2	N/A	N/A	N/A
<b>WO #: 101233.54</b>						
7	2	3"	ELL, CS, ES, 90 DEG, BW, LR, 3.500, OD 0.300 WT, GR-B, ASTM A234 WPB	3000	TS-1	2

PRESSURE PIPING						
NOTE 6						
ITEM #	SIZE	DESCRIPTION	FOOTAGE	O.D.	SMYS	W.T.
<b>WO #: 100988.86</b>						
P1	8"	PIPE, CS, FBE CTG, 8.625 OD, 0.322 WT, X52, A P 5L PSL2, ERW	3057'	8.625"	52,000	0.322"
P2	8"	PIPE, CS, ARO CTG, 8.625 OD, 0.322 WT, X52, A P 5L PSL2, ERW	905'	8.625"	52,000	0.322"
<b>WO #: 101233.54</b>						
P3	3"	PIPE, CS, FBE CTG, 3.500 OD, 0.300 WT, GR-B, ASTM A 106, SMLS	205'	3.500"	35,000	0.300"

MAOP DETERMINATION			TEST SPECIFICATION		
(STANDARD PRACTICES 1-01-02, 1-90-01, 1-97-04)			(STANDARD PRACTICE 1-90-01 FOR HP OR 3-10-04 FOR IHP)		
MAOP SEGMENT NAME:	471 MAOP	TEST SPECIFICATION DESIGNATION:	TS-1		
PIPELINE FACILITY CLASSIFICATION:	PIPELINE	PRESSURE-TEST PRESSURES:	PSIG	%SMYS	
DESIGN CLASS LOCATION:	CLASS 3	MINIMUM REQUIRED:	1080	27.82%	
MINIMUM TEST PRESSURE:	1080	MAXIMUM (WATER):	1500	38.63%	
TEST FACTOR:	1.5	MAXIMUM (NITROGEN):	1500	38.63%	
PRESSURE LIMITS	PSIG	MAXIMUM (CNG):	NA	N/A	
A. PIPE = (2S/D) x F x E x T	1941	MINIMUM DURATION:	SHOP	FIELD	
	S=52000 F=0.5 E=1 T=1	SMYS CALCULATION INPUTS:	S=52000 I=0.322 D=8.625		
B. FITTING = (2S/D) x F x E x T	1941	<b>FABRICATION SPECIFICATION</b>			
	S=52000 F=0.5 E=1 T=1	(STANDARD PRACTICE 2-10-01)			
C. RATED ITEM	N/A	WELD REQUIREMENTS:	API 1104		
	NONE	POST WELD HEAT TREATMENT:	NO		
D. MAXIMUM DESIGN PRESSURE	720	WELD INSPECTION:	VISUAL	NDE	
E. REGION PRESSURE LIMITATION	471	GD-OM-E-010-001	100%	100% > 2"	
MAOP (MIN A, B, C, D, E)	471	INSPECTION AND TESTING OF WELDS	100%	100% > 2"	
		ALL IN-SERVICE WELDING SHALL BE COMPLETED UTILIZING LOW HYDROGEN ELECTRODES (SP 2-10-01 AND SP 2-10-02)			

- NOTES**  
(ALL NOTES MAY OR MAY NOT PERTAIN TO THIS DRAWING)
- BOLD LINES AND/OR CLOUDS REPRESENT NEW PIPING.
  - Ⓡ IDENTIFIES GUIDE BARRED TEES.
  - ANY MATERIAL SUBSTITUTION OR FIELD DESIGN CHANGES REQUIRE ENGINEERING APPROVAL.
  - SEE SPECIFICATION 9-00-01 FOR MATERIAL NOTE NUMBERS LISTED.
  - LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
  - CORROSION CONTROL: BURIED FABRICATION PIPING SHALL BE CLEANED AND COATED PER SP 2-13-10. THE RECOMMENDED FIELD APPLIED COATING FOR BURIED FBE PIPING IS 2-PART EPOXY AND FOR BURIED ARO PIPING POWERCRETE J APPLIED COATING. COATING TRANSITIONS ARE TO BE APPLIED PER ENB-TYP-GEN-PIP-001. SOIL TO AIR INTERFACES (TRANSITIONS FROM BELOW TO ABOVE GROUND) REQUIRE AN OVERCOAT OF TRENTON WAX TAPE NUMBER 2 APPLIED PER SP 2-13-11. ALL BURIED PIPING TO BE CATHODICALLY PROTECTED WITHIN ONE YEAR OF INSTALLATION. ABOVE GROUND PIPING IS TO BE COATED PER SP 2-13-11. CONSULT CORROSION ENGINEERING FOR PIPELINE COATING EQUIVALENTS.
  - FIELD VERIFY WALL THICKNESS AT ALL TIE-IN LOCATIONS.
  - ALL VALVES MUST HAVE APPROPRIATE LOCKING DEVICES.
  - BALL VALVES - REMOVE ALL MANUFACTURER VENT PLUGS AND REPLACE WITH SMALL BALL VALVES.
  - ALL CHECK VALVES TO BE VENTED.
  - INSULATE GAUGE AND CONTROL LINES, RELIEF STACK, SUPPORT BRACKETS, ETC.
  - ENSURE INSULATION POINTS ARE NOT SHORTED / BYPASSED THROUGH FUEL GAS PIPING, ELECTRICAL CONDUIT, ETC. THAT ARE ATTACHED TO THE PIPE SUPPORTS.
  - ALL PIPE SHALL HAVE MILL TEST REPORTS (MTR'S) AS DEFINED WITHIN STANDARD PRACTICE 3-95-01.
  - THE FORMULA USED TO CALCULATE THE MAWP FOR ALL STEEL PIPE AND NON-RATED FITTINGS IS  $P=(2S/D) \times F \times E \times T$ , WHERE F=0.5 FOR A CLASS 3 LOCATION, E=1, AND T=1.
  - 2" IN SERVICE FILLET WELDS SHALL RECEIVE 100% NDE.
  - PIPE IS DESIGNED TO WITHSTAND ANTICIPATED EXTERNAL PRESSURES AND LOADS FOLLOWING SP 1-01-02.



CALL THREE BUSINESS DAYS BEFORE YOU DIG TO HAVE UTILITIES LOCATED 811 OR 1-800-662-4111

PROJECT CONTACTS		
PROJECT MANAGER:	ANDREW ASPLUND	(801) 694-3797
PROJECT ENGINEER:	ANDREW ASPLUND	(801) 694-3797
CATHODIC PROTECTION:	KRISTI HOFFMANN	(801) 440-6960
MEASUREMENT & CONTROLS:	JR SHARP	(801) 694-3791
HP SURVEYOR:	ENOCH CLEMENCE	(801) 793-7950
LEAD INSPECTOR:		
IHP SUPERVISOR:	ERIC FUHRMAN (NORTHERN - LOGAN)	(435) 881-0805
RIGHT OF WAY AGENT:	CAROLINE KING	(385) 499-0998
ACCOUNT MANAGEMENT / BUSINESS DEVELOPMENT:	SHELLY FOUTIN	(801) 201-6779
ENVIRONMENTAL COMPLIANCE:	STEPHAN RYDER	(330) 813-8805
SAFETY:	CARRIE CHRISTOPHERSON	(385) 910-7749

REFERENCE DRAWINGS				WORK ORDERS		REVISIONS				ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:		
ENB-G-HYRNG-PIP-001	0	HYRUM RING GATE STATION & INDUSTRIAL MTR SET IN0656	100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	ISSUE FOR CONSTRUCTION	10/16/2025	JAJ	ERB	DRAWN BY: J. JOHNSON		
DEU-R-HY0003-PIP-001	1	DISTRICT REGULATOR STATION HY0003	101233.54	INSTALL 3" SERVICE LINE TO IN0657						CHECKED BY: E. BUSH		
ENB-M-IN0657-PIP-001	0	INDUSTRIAL METER SET IN0657								PROJECT ENGR: A. ASPLUND		
ENB-P-F153-PIP-001	0	IN0657 TAP DETAILS								SURVEYOR: E. CLEMENCE		
										ENGR MNGR: W. RADFORD		
										CONSTR MNGR: D FRANCIS		
										MEAS & CTRL: JR SHARP		
										AUTOM ENGR: L. YAGI		

LINE NUMBER: FL-153  
 FACILITY: FEEDERLINE TO HY0004 RING GATE STATION  
 TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE  
 DESCRIPTION: VICINITY MAP, ALIGNMENT SHT KEY, & MATERIALS  
 ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
DRAWING NUMBER: ENB-P-F153-MAP-001		
SHEET: 1 OF 12	REVISION: 0	

SECTION: 5.32 T10, 11N R1E  
 ELEVATION:  
 LAT: 41.646324 LONG: -111.860670  
 SCALE: NONE

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### LINE AND SYMBOL LEGEND

NOTE: MAY CONTAIN LINES AND SYMBOLS THAT ARE NOT USED IN THIS PLAN SET.

	GAS	PROPOSED HIGH PRESSURE (HP) GAS LINE		ANODE		CABLE TV MANHOLE
	EXISTING HP GAS LINE		CATHODIC PROTECTION TEST STATION		FIBER OPTIC MANHOLE	
	RETIRE/REMOVE HP GAS LINE		GAS MANHOLE		IRRIGATION MANHOLE	
	EXISTING IHP GAS SERVICE LINE		VALVE		MISC. MANHOLE	
	EXISTING IHP GAS LINE		PRESSURE FITTING		POWER MANHOLE	
	PRIVATE / MISC. EASEMENT		DEAD END		SEWER MANHOLE	
	ENBRIDGE GAS RIGHT-OF-WAY		R/W MONUMENT / C/4 MONUMENT		SIGNAL MANHOLE	
	PUE		PROPERTY PIN or P/I		STORMDRAIN MANHOLE	
	R/W		REBAR AND CAP		TELEPHONE MANHOLE	
	RIGHT-OF-WAY - ROAD		POINT-OF-BEGINNING		WATER MANHOLE	
	RIGHT-OF-WAY - HIGHWAY		EXISTING MONUMENT		WATER METER CURB BOX	
	PLSS SECTION LINE		STATION EQUATION		FIRE HYDRANT	
	SURVEY LINE		SECTION CORNER, 1/4 CORNER MONUMENT		STORM DRAIN CATCH BASIN	
	ROAD CENTERLINE		CONIFEROUS TREE		STORM DRAIN VAULT	
	CURB AND GUTTER		DECIDUOUS TREE		STRUCTURAL FILL	
	EDGE OF ROAD / ASPHALT		BUSH / SHRUB		GRAVEL	
	RIVER / CANAL		LANDSCAPE BOULDERS		CONCRETE	
	EXISTING RAILROAD TRACKS		SIGNAL POLE		RIP RAP	
	PROPERTY LINE / LOT LINE		LIGHTPOLE		FLOW FILL	
	P/L		SIGN		BORE	
	PRECAST WALL		BILLBOARD			
	BARBED WIRE FENCE LINE		CABLE TV PEDESTAL			
	DRAINAGE FLOW LINE		FIBER OPTIC PEDESTAL			
	EXISTING CABLE TV LINE		POWER PEDESTAL			
	EXISTING BURIED COMM LINE		SIGNAL PEDESTAL			
	EXISTING OVERHEAD COMM LINE		TELEPHONE PEDESTAL / JUNCTION BOX			
	EXISTING FIBER OPTIC LINE		MISC POLE			
	EXISTING IRRIGATION LINE		GUY WIRE			
	EXISTING BURIED POWER LINE					
	EXISTING OVERHEAD POWER LINE					
	EXISTING SANITARY SEWER LINE					
	EXISTING STORM DRAIN LINE					
	EXISTING DOMESTIC WATER LINE					
	MATCHLINE					
	EXISTING CONTOURS					
	PROPOSED CONTOURS					

### GENERAL NOTES

#### 1.1 GENERAL:

- ALL STATIONING IS REFERENCED TO CENTERLINE OF PIPELINE ALIGNMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING A BENCHMARK FOR USE IN SITE PREPARATION.
- PROTECTION AND REPLACEMENT OF SURVEY MONUMENTS OR PROPERTY STAKES NOT DELINEATED ON THE CONTRACT DRAWINGS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. REPLACEMENT OF SURVEY MONUMENTS OR PROPERTY STAKES SHALL BE DONE TO COUNTY STANDARDS.
- THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE AND ALL SUCH IMPROVEMENTS DAMAGED BY THE CONTRACTORS OPERATION SHALL BE REPAIRED OR RECONSTRUCTED TO THE ENGINEER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
- TRENCH BACKFILL MATERIAL UNDER PAVEMENTS OR SURFACE IMPROVEMENTS SHALL BE CLEAN, NON-CLUMPING, GRANULAR (A1-A4 SOILS ARE ACCEPTABLE ACCORDING TO AASHTO 145 SOIL CLASSIFICATION SYSTEM).
- LIME TREATED FLOWABLE FILLS, IF APPROVED, SHALL HAVE A 28-DAY STRENGTH OF 65 PSI. TRENCH BACKFILL WITHIN R.O.W.'S AND CITY MAINTAINED FACILITIES SHALL BE IN ACCORDANCE WITH STANDARDS. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE ALL WORK AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN. WORK SHALL INCLUDE CLEARING, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS, GRADING, EXCAVATING, BACKFILLING, AND ALL RELATED ITEMS. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND ORDINANCES OF FEDERAL, STATE, REGIONAL AND LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.
- CONDUCT ALL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
- EXPLOSIVES ARE PROHIBITED ON THE PROJECT SITE, UNLESS APPROVED BY COMPANY. SEE SP. 9-11-01.7. BLASTING.
- GRANULAR EMBANKMENT MATERIAL PLACED AGAINST ANY CONCRETE STRUCTURE SHALL BE 2 INCH MINUS OR LESS.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REPORTED TO THE COMPANY ECC AND PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- IF CONSTRUCTION IS HALTED DUE TO INCLEMENT WEATHER CONDITIONS, THE CONTRACTOR SHALL CLEAN UP THE PROJECT SITE, AND MAINTAIN THE SITE DURING THE SHUT-DOWN PERIOD.

#### 1.2 PERMITTING NOTES:

- CONTRACTOR TO WORK WITH OWNER TO OBTAIN ALL PERMITS AND LICENSES PRIOR TO COMMENCING WORK ON THIS PROJECT.
- ANY WORK WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE JURISDICTION. CONTRACTOR SHALL MEET ANY ADDITIONAL REQUIREMENTS OF SAID JURISDICTION.
- THE CONTRACTOR SHALL TAKE PRECAUTION TO PREVENT DAMAGE TO ADJACENT PROPERTY AND RESTORE ANY DAMAGES TO ORIGINAL CONDITIONS WITHOUT ADDITIONAL PROJECT COSTS.

#### 1.3 INSPECTION AND TESTING NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR MATERIALS TESTING INCLUDING BUT NOT LIMITED TO CONCRETE, ASPHALT, AND COMPACTION. SEE CONTRACT SPECIFICATIONS FOR REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO COORDINATE TESTS AND INSPECTIONS WITH THE PROJECT ENGINEER AND SPECIAL INSPECTOR.
- CONTRACTOR IS RESPONSIBLE FOR RE-INSPECTIONS DUE TO POOR WORKMANSHIP.
- CONTRACTOR TO FOLLOW NOISE ORDINANCE STANDARDS OF LOCAL GOVERNING AGENCY.
- CONTRACTORS ARE RESPONSIBLE FOR ALL OSHA REQUIREMENTS ON THE PROJECT SITE.
- SOIL TESTS PERFORMED SHALL INCLUDE:
  - OPTIMUM MOISTURE - MAXIMUM DENSITY CURVE (FOR EACH SOIL ENCOUNTERED).
  - COMPRESSIVE STRENGTH AND/OR BEARING TEST (OF EACH SOIL STRATA).
  - FIELD DENSITY TEST
  - TEST REPORTS ON BORROW MATERIAL
  - THE CONTRACTOR, AT ITS OWN EXPENSE, SHALL EMPLOY CONSULTANTS OR TESTING SERVICES TO PERFORM INSPECTIONS AND TESTS NECESSARY TO ASSURE THE SPECIFIED COMPACTION AND OTHER MINIMUM REQUIREMENTS AS SHOWN IN THE CONTRACT DOCUMENTS.
  - A COPY OF ALL SOIL TEST RESULTS SHALL BE SUBMITTED TO THE OWNER FOR ITS RECORD.

#### 1.4 EXISTING UTILITY NOTES:

- EXISTING UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE UNLESS NOTED OTHERWISE.
- CONTRACTOR TO CONTACT BLUE STAKES FOR MARKING OF EXISTING UTILITIES PRIOR TO PERFORMING ANY EXCAVATION.
- AFFECTED UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR:
  - VERIFYING ALL UTILITY LOCATIONS PRIOR TO COMMENCING WORK.
  - IDENTIFYING CONFLICTS A MINIMUM OF 500 FEET AHEAD OF TRENCHING OPERATIONS.
  - IMMEDIATELY NOTIFYING THE PROJECT ENGINEER OF DISCREPANCIES AND OR CONFLICTS.
  - MAINTAINING SERVICE OF OTHER UTILITIES AND NOTIFYING THEM IF CONSTRUCTION MAY INTERFERE WITH NORMAL OPERATIONS.
  - RESTORING ANY DAMAGED UTILITIES DUE TO CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- MODIFICATIONS TO EXISTING UTILITIES SHALL CONFORM TO THE OWNER'S UTILITY STANDARDS AND SPECIFICATIONS.

#### 1.5 ROUGH GRADING NOTES:

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS, NOTIFY THE PROJECT ENGINEER FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY EARTHWORK WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PROTECT WORKERS AND PREVENT UNDERMINING OF ANY ADJACENT FEATURES, FACILITIES OR STRUCTURES AND/OR CAVING OF THE EXCAVATION.
- ANY CONSTRUCTION WASTE (SOIL, ROCKS, TREES, ASPHALT, BUILDING DEMOLITION, ETC) LEAVING THE PROJECT SITE IS REQUIRED TO BE DISPOSED OF AT A FACILITY PRE-APPROVED BY THE COMPANY.
- THE GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:
 

**HORIZONTAL VERTICAL COMPACTION**

  - PAVEMENT AREA SUBGRADE 0.11' +0.0' TO -0.1' SEE SOILS REPORT
  - ENGINEERED FILL 0.5' +0.1' TO -0.1' SEE SOILS REPORT

#### 1.6 TRAFFIC CONTROL:

- ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) -CURRENT EDITION, AND BE APPROVED BEFORE CONSTRUCTION BEGINS.
- BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND POST WITH WARNING LIGHTS, PER GOVERNING AGENCY REQUIREMENTS.
- IF THE IMPROVEMENTS NECESSITATE THE REMOVAL OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE STREET DIVISION.
- THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SAFETY OF WORKERS AND VISITORS.

### ABBREVIATIONS

NOTE: MAY CONTAIN ABBREVIATIONS THAT ARE NOT USED IN THIS PLAN SET. SOURCE: ASME Y14.38-2007

APWA	AMERICAN PUBLIC WORKS ASSOCIATION	NIC	NOT IN CONTRACT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NO / #	NUMBER
BOC	BACK OF CURB	OC	ON CENTER
BOW	BACK OF WALK	OCEW	ON CENTER EACH WAY
BV	BLOCK VALVE	OHP	OVERHEAD POWER
BVC	BEGIN VERTICAL CURVE	PC	POINT OF CURVATURE OR PRESSURE CURVE
C	CATCH BASIN	PCC	CLASS
CL	CENTER LINE	PI	POINT OF INTERSECTION
COMM	COMMUNICATION	PIV	POST INDICATOR VALVE
CONC	CONCRETE	P/L	PROPERTY LINE
CONT	CONTINUOUS	PRC	POINT OF REVERSE CURVATURE
DIA	DIAMETER	PRO	PROPOSED
EG	EXISTING GRADE	PT	POINT OF TANGENCY
ELEC	ELECTRICAL	PVC	POINT OF VERTICAL CURVATURE
ELEV / EL	ELEVATION	PVI	POINT OF VERTICAL INTERSECTION
EOA	EDGE OF ASPHALT	PVT	POINT OF VERTICAL TANGENCY
EVC	END OF VERTICAL CURVE	R	RADIUS
EW	EACH WAY	ROW / R/W	RIGHT OF WAY
EXIST	EXISTING	S	SLOPE
FF	FINISH FLOOR	SD	STORM DRAIN
FG	FINISH GRADE	SS	SANITARY SEWER
FL	FLOW LINE OR FLANGE	STA	STATION
GB	GRADE BREAK	SW	SIDEWALK
HP	HIGH POINT	TOG	TOP OF GRATE
IRR	IRRIGATION	TOA	TOP OF ASPHALT
LF	LINEAR FEET	TOC	TOP OF CONCRETE
LFC	LIP OF CURB	TOE	TOE OF SLOPE
LP	LOW POINT	TOF	TOP OF FOUNDATION
MH	MANHOLE	TOW	TOP OF WALL
NG	NATURAL GROUND	TOS	TOP OF STEP
		TYP	TYPICAL
		VC	VERTICAL CURVE

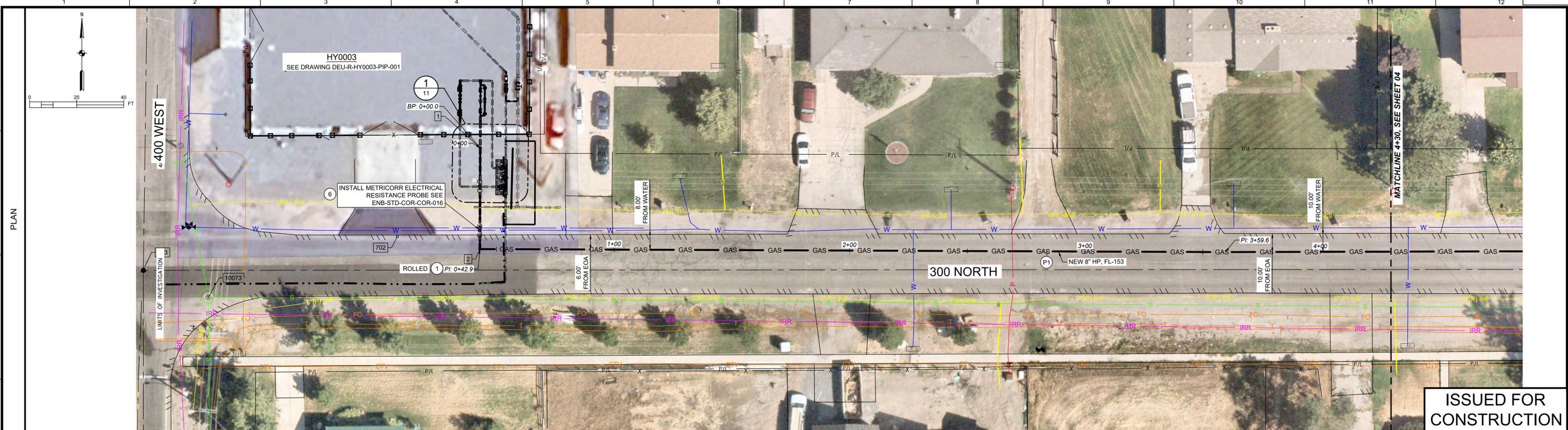
ISSUED FOR CONSTRUCTION

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD	
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY: J. JOHNSON
ENB-G-HYRNG-PIP-001	0	HYRUM RING GATE STATION & INDUSTRIAL MTR SET IN0656	100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	10/09/2025	JAJ	ERB	CHECKED BY: E. BUSH
DEU-R-HY0003-PIP-001	1	DISTRICT REGULATOR STATION HY0003							PROJECT ENGR: A. ASPLUND SURVEYOR: E. CLEMENCE ENGR MNGR: W. RADFORD CONSTR MNGR: D FRANCIS
									MEAS & CTRLS: AUTOM ENGR:

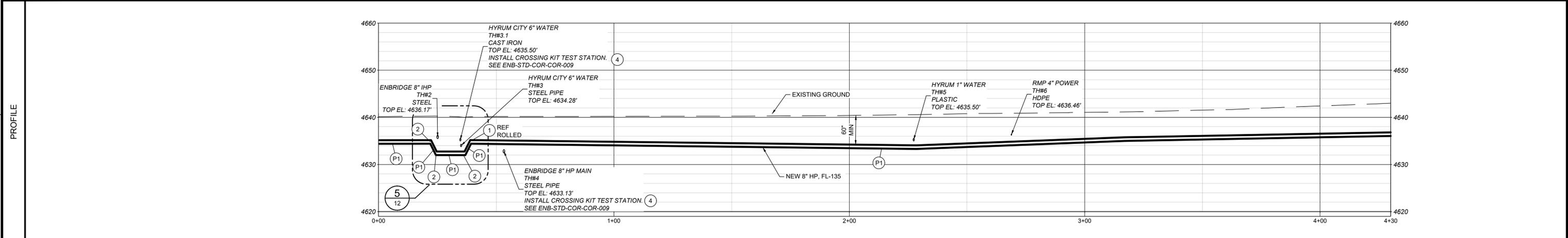
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LINE NUMBER:	FL- 153				
FACILITY:	FEEDERLINE TO HY0004 RING GATE STATION				
TITLE:	INSTALL APPROX 3800 FEET OF 8" HP PIPE				
DESCRIPTION:	LEGEND AND GENERAL NOTES				
ADDRESS:	300 N AND 400 W TO 4650 S AND 1200 W				
CITY	HYRUM	COUNTY	CACHE	STATE	UTAH
DRAWING NUMBER		SHEET		REVISION	
ENB-P-F153-MAP-001		2 OF 12		0	
SECTION:	5, 32	T 10, 11 N	R 1 E		
ELEVATION:					
LAT:	41.646324	LONG:	-111.860670		
SCALE:	NONE				



ISSUED FOR CONSTRUCTION



PROJECT CONTROLS	INSTALL METHOD:	OPEN TRENCH - SEE DETAIL 7 SHEET 12	OPEN TRENCH - SEE DETAIL 8 SHEET 12
	RECLAMATION:		
	EROSION CONTROL:		N/A
	ENVIRONMENTAL:		N/A
OWNER	AC MITIGATION:		N/A
		HYRUM	

PIPE DATA	PIPE DETAILS:	8" HP, .322" WT X52 FBE
	DESIGN CLASS LOC. / MAOP (OPERATING):	CLASS 3 / 471 MAOP
	MINIMUM COVER:	60" MINIMUM COVER

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:
DEU-R-HY0003-PIP-001	0	DISTRICT REGULATOR STATION HY0003	100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	ISSUE FOR CONSTRUCTION	10/09/2025	JAJ	ERB	J. JOHNSON	E. BUSH	A. ASPLUND	E. CLEMENCE
ENB-STD-COR-COR-009	3	CATHODIC PROTECTION PIPELINE CROSSING										W. RADFORD	
ENB-STD-COR-COR-016	2	METRICORR ELECTRICAL RESISTANCE PROBE										D. FRANCIS	

LINE NUMBER: FL-153

FACILITY: FEEDERLINE TO HY0004 RNG GATE STATION

TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE

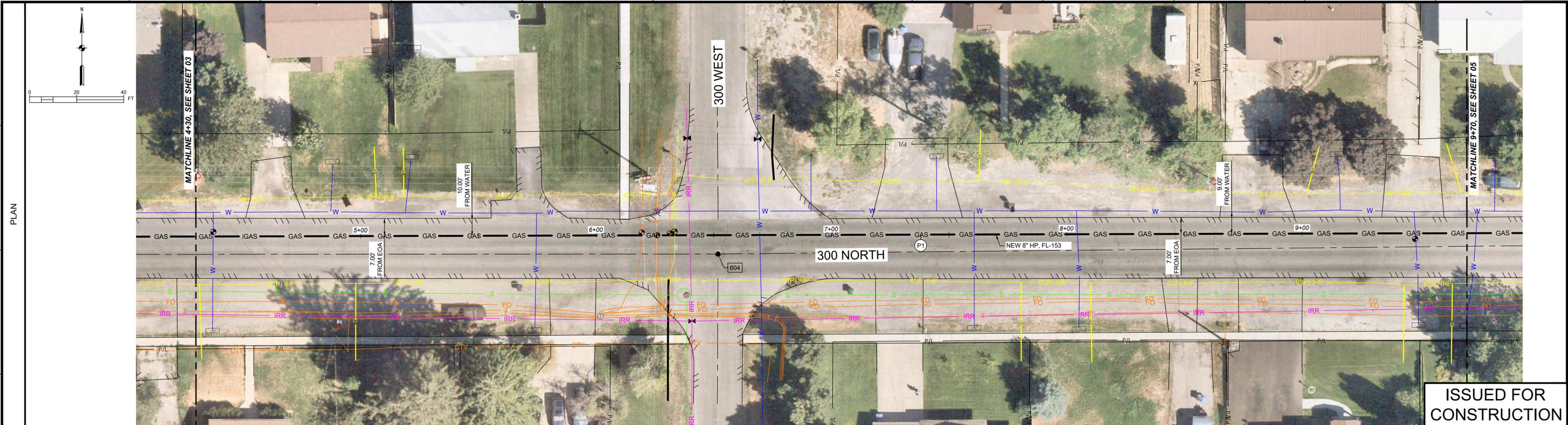
DESCRIPTION: ALIGNMENT PLAN AND PROFILE

ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

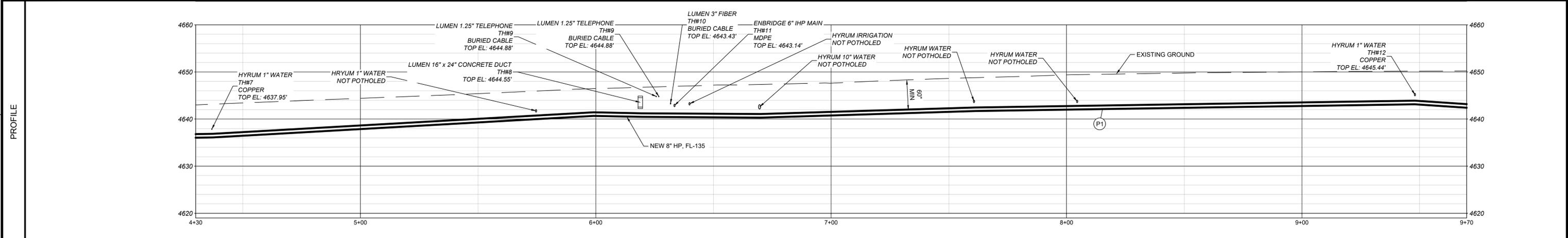
SECTION: 5.32 T10, 11 N R1 E	CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
ELEVATION:	DRAWING NUMBER: ENB-P-F153-MAP-001		
LAT: 41.646324 LONG: -111.860670	SHEET: 3 OF 12		
SCALE: HORIZ: 1"=40'-0" VERT: 1"=20'-0"	REVISION: 0		

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PROJECT CONTROLS	INSTALL METHOD:	OPEN TRENCH - SEE DETAIL 8 SHEET 12
	RECLAMATION:	N/A
	EROSION CONTROL:	N/A
	ENVIRONMENTAL:	N/A
OWNER	AC MITIGATION:	N/A
		HYRUM

PIPE DATA	PIPE DETAILS:	8" HP .322" WT X62 FBE
	DESIGN CLASS LOC. / MAOP (OPERATING):	CLASS 3 / 471 MAOP
	MINIMUM COVER:	60" MINIMUM COVER

REFERENCE DRAWINGS			WORK ORDERS		REVISIONS				ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:
			100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	ISSUE FOR CONSTRUCTION	10/09/2025	JAJ	ERB	J. JOHNSON	E. BUSH

LINE NUMBER: FL-153

FACILITY: FEEDERLINE TO HY0004 RNG GATE STATION

TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE

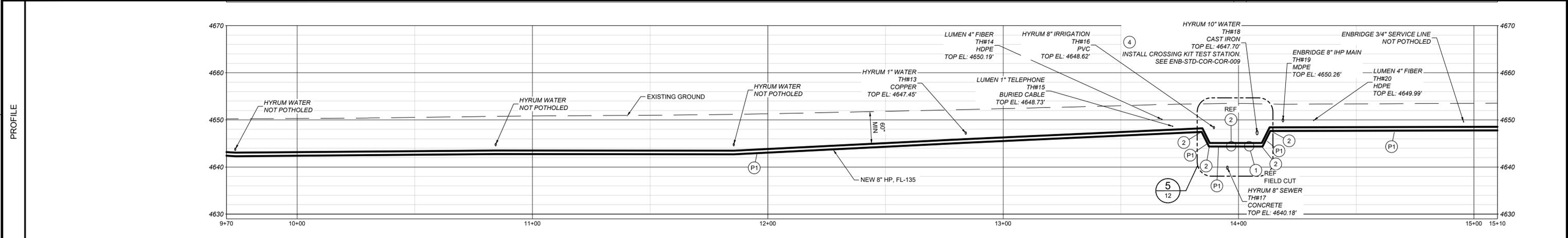
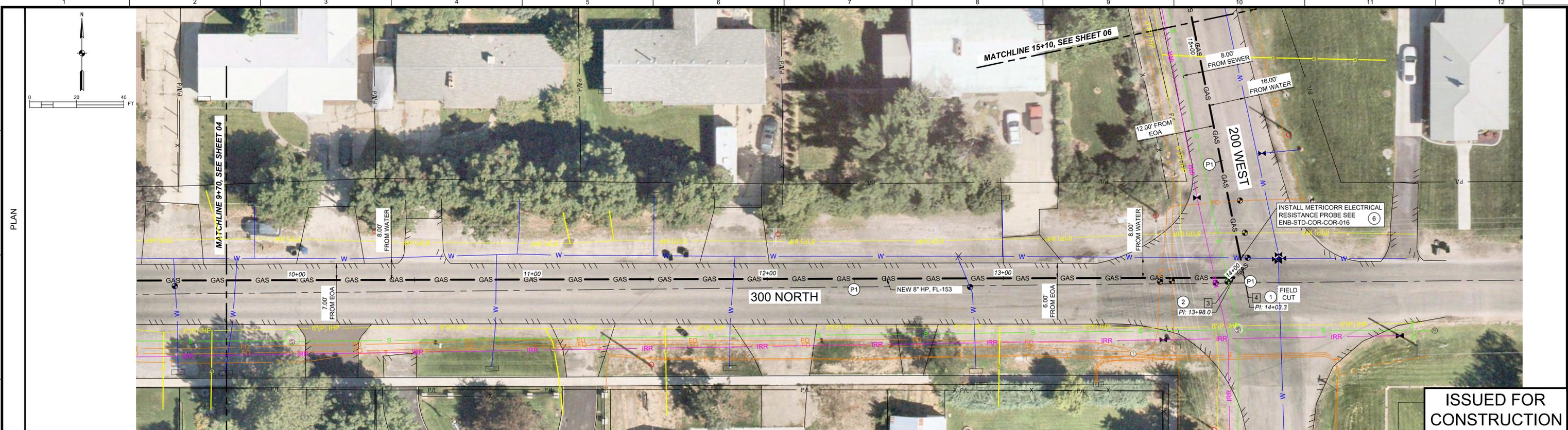
DESCRIPTION: ALIGNMENT PLAN AND PROFILE

ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

SECTION: 5.32 T10.11N R1E	CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
ELEVATION:	DRAWING NUMBER: ENB-P-F153-MAP-001		
LAT: 41.646324 LONG: -111.860670	SHEET: 4 OF 12		
SCALE: HORIZ: 1"=40'-0" VERT: 1"=20'-0"	REVISION: 0		

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**PROJECT CONTROLS**

INSTALL METHOD:	OPEN TRENCH - SEE DETAIL 8 SHEET 12
RECLAMATION:	N/A
EROSION CONTROL:	N/A
ENVIRONMENTAL:	N/A
AC MITIGATION:	N/A

**PIPE DATA**

OWNER:	HYRUM
PIPE DETAILS:	8" HP, .322" WT X52 FBE
DESIGN CLASS LOC. / MAOP (OPERATING):	CLASS 3 / 471 MAOP
MINIMUM COVER:	60" MINIMUM COVER

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS			ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY: J. JOHNSON
ENB-STD-COR-COR-009	3	CATHODIC PROTECTION PIPELINE CROSSING	100988.86	0	INSTALL 3800 LF OF 8" FL-153 PIPELINE	10/09/2025	JAJ	ERB	CHECKED BY: E. BUSH
ENB-STD-COR-COR-016	2	METRICORR ELECTRICAL RESISTANCE PROBE							PROJECT ENGR: A. ASPLUND SURVEYOR: E. CLEMENCE ENGR MNGR: W. RADFORD CONSTR MNGR: D FRANCIS

SECTION: 5.32 T10, 11 N R1 E

ELEVATION: 3160

LAT: 41.846324 LONG: -111.860670

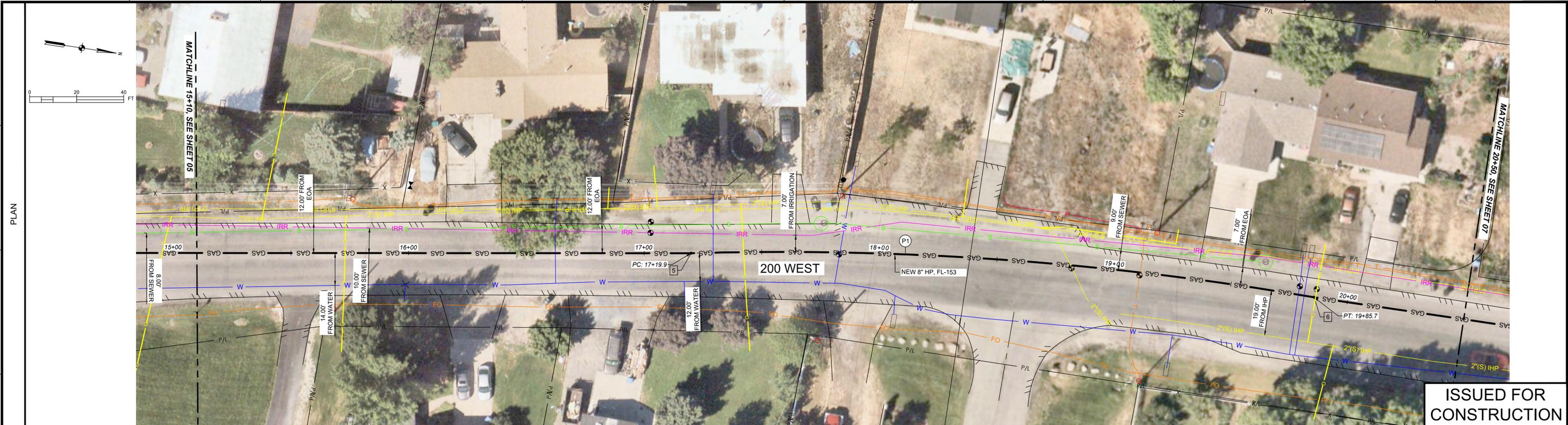
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CITY: HYRUM COUNTY: CACHE STATE: UTAH

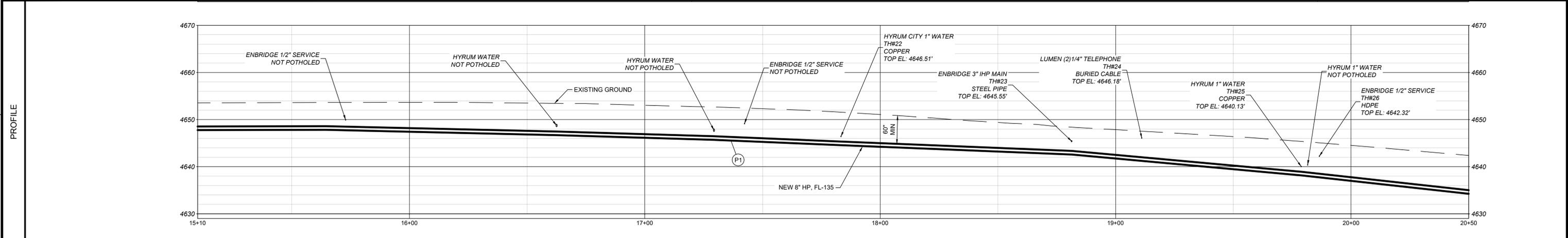
FL-153  
FEEDERLINE TO HY0004 RNG GATE STATION  
INSTALL APPROX 3800 FEET OF 8" HP PIPE  
ALIGNMENT PLAN AND PROFILE  
300 N AND 400 W TO 4650 S AND 1200 W

DRAWING NUMBER: ENB-P-F153-MAP-001

SHEET: 5 OF 12 REVISION: 0



**ISSUED FOR CONSTRUCTION**



PROJECT CONTROLS	INSTALL METHOD:	OPEN TRENCH - SEE DETAIL 8 SHEET 12
	RECLAMATION:	N/A
	EROSION CONTROL:	N/A
	ENVIRONMENTAL:	N/A

OWNER	HYRUM
-------	-------

PIPE DATA	PIPE DETAILS:	8" HP, .322" WT X62 FBE
	DESIGN CLASS LOC. / MAOP (OPERATING):	CLASS 3 / 471 MAOP
	MINIMUM COVER:	60" MINIMUM COVER

REFERENCE DRAWINGS			WORK ORDERS		REVISIONS				ENGINEERING RECORD			
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:		
			100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	ISSUE FOR CONSTRUCTION	10/09/2025	JAJ	ERB	J. JOHNSON		

LINE NUMBER: FL-153

FACILITY: FEEDERLINE TO HY0004 RNG GATE STATION

TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE

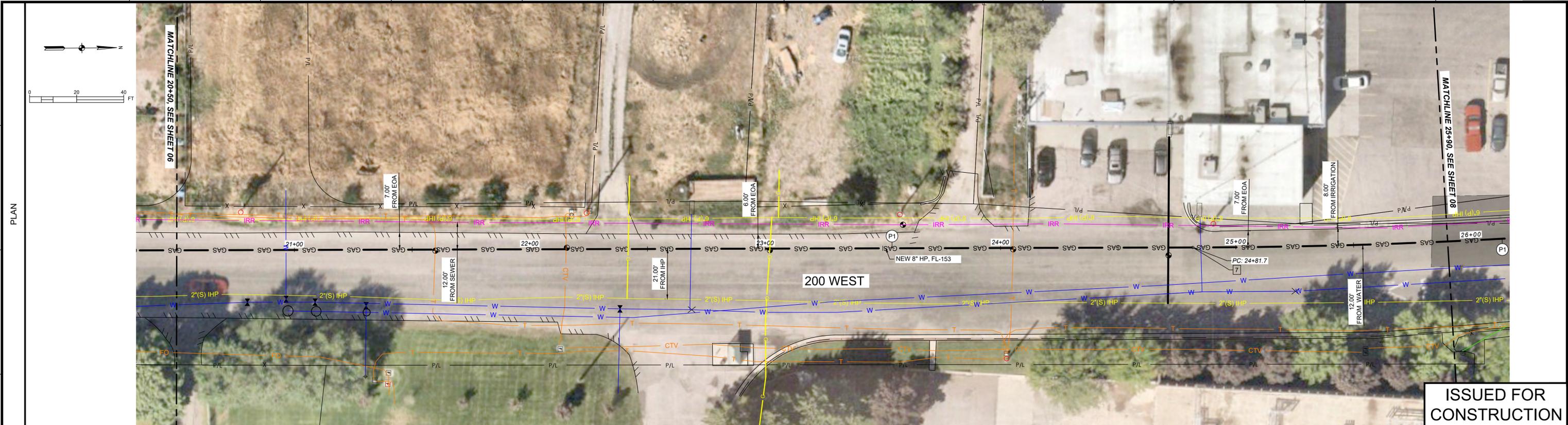
DESCRIPTION: ALIGNMENT PLAN AND PROFILE

ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

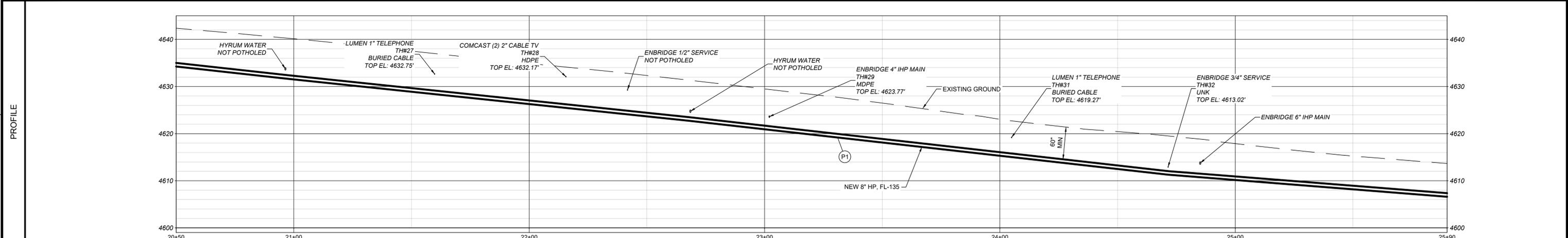
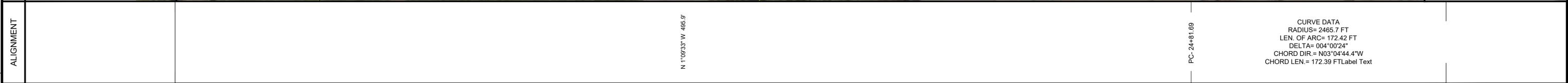
SECTION: 5.32 T10, 11N R1E	CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
ELEVATION:	DRAWING NUMBER: ENB-P-F153-MAP-001		
LAT: 41.646324 LONG: -111.860670	SHEET: 6 OF 12		
SCALE: HORIZ: 1"=40'-0" VERT: 1"=20'-0"	REVISION: 0		

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PROJECT CONTROLS	INSTALL METHOD:	OPEN TRENCH - SEE DETAIL 8 SHEET 12
	RECLAMATION:	N/A
	EROSION CONTROL:	N/A
	ENVIRONMENTAL:	N/A
OWNER	AC MITIGATION:	N/A
		HYRUM

PIPE DATA	PIPE DETAILS:	8" HP, .322" WT X52 FBE
	DESIGN CLASS LOC. / MAOP (OPERATING):	CLASS 3 / 471 MAOP
	MINIMUM COVER:	60" MINIMUM COVER

REFERENCE DRAWINGS			WORK ORDERS		REVISIONS				ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:
			100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	ISSUE FOR CONSTRUCTION	10/09/2025	JAJ	ERB	J. JOHNSON	E. BUSH

LINE NUMBER: FL-153  
 FACILITY: FEEDERLINE TO HY0004 RNG GATE STATION  
 TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE  
 DESCRIPTION: ALIGNMENT PLAN AND PROFILE  
 ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

SECTION: 5, 32	T 10, 11 N	R 1 E
CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
DRAWING NUMBER: ENB-P-F153-MAP-001		SHEET: 7 OF 12
REVISION: 0		

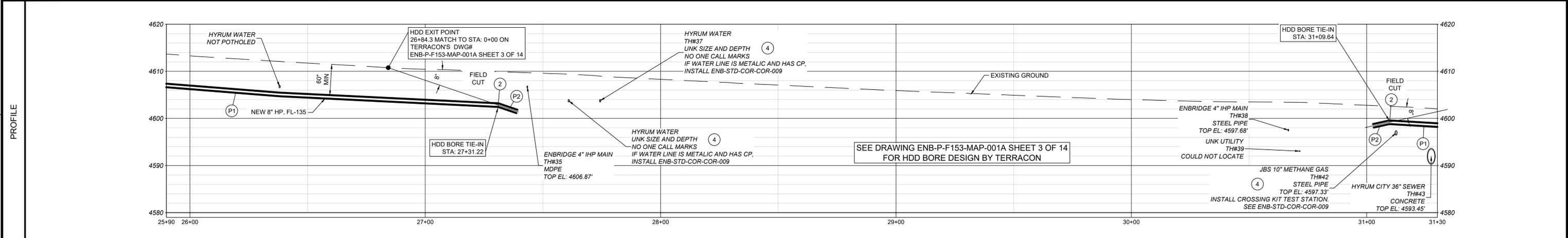
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ALIGNMENT	CURVE DATA RADIUS= 2465.7 FT LEN. OF ARC= 172.42 FT DELTA= 004°00'24" CHORD DIR= N03°04'44.4"W CHORD LEN= 172.39 FT Label Text	PT- 26+54.11 N 5°09'40" W 30.2'	PI- 26+84.3 3° 10' 13"	N 1°58'27" W 450.0'
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PROJECT CONTROLS	INSTALL METHOD: OPEN TRENCH - SEE DETAIL 8 SHEET 12	HDD BORE - SEE TERRACON DRAWING ENB-P-F153-MAP-001A SHEET 3 OF 14 FOR BORE DESIGN	OPEN TRENCH - SEE DETAIL 8 SHEET 10
RECLAMATION:	N/A	N/A	N/A
EROSION CONTROL:	N/A	N/A	N/A
ENVIRONMENTAL:	N/A	N/A	N/A
AC MITIGATION:	N/A	N/A	N/A

OWNER	HYRUM		
PIPE DATA	PIPE DETAILS: DESIGN CLASS LOC. / MAOP (OPERATING): MINIMUM COVER:	8" HP .322" WT X52 FBE 60" MINIMUM COVER	8" HP .322" WT X52 ARO CLASS 3 / 471 MAOP VARIES

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS			ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY:
ENB-P-F153-MAP-001A	0	SEE TERRACON DRAWING SHEET (3) FOR BORE DESIGN	100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	10/09/2025	JAJ	ERB	J. JOHNSON
ENB-M-IN0657-PIP-001	0	INDUSTRIAL METER SET IN0657	101233.54	INSTALL 3" SERVICE LINE TO IN0657					E. BUSH
ENB-STD-COR-COR-009	3	CATHODIC PROTECTION PIPELINE CROSSING							A. ASPLUND
ENB-STD-COR-COR-011	5	TEST STATION WITH GALVANIC ANODES							E. CLEMENCE

LINE NUMBER: FL- 153

FACILITY: 300 N AND 400 W TO 4650 S AND 1200 W

TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE ALIGNMENT PLAN AND PROFILE

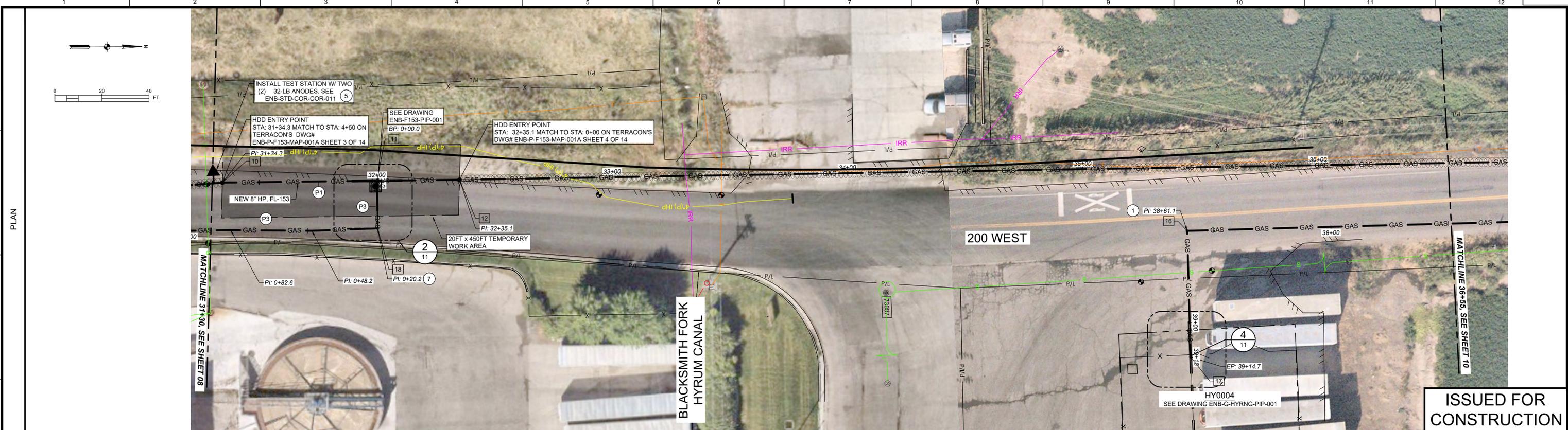
DESCRIPTION: 300 N AND 400 W TO 4650 S AND 1200 W

ADDRESS:

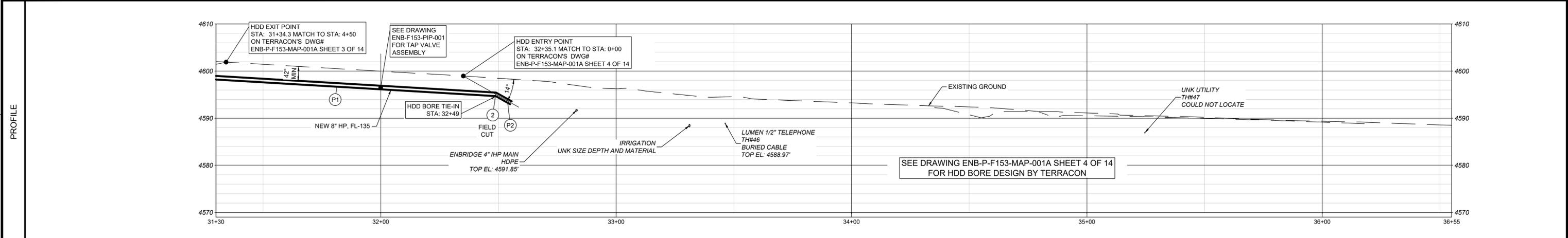
CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
DRAWING NUMBER: ENB-P-F153-MAP-001		
SECTION: 5.32 T10, 11 N R1 E		
ELEVATION: LAT: 41.646324 LONG: -111.860670		
SCALE: HORIZ: 1"=40'-0" VERT: 1"=20'-0"		

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PROJECT CONTROLS	INSTALL METHOD:	OPEN TRENCH - SEE DETAIL 8 SHEET 12	HDD BORE - SEE TERRACON DRAWING ENB-P-F153-MAP-001A SHEET 4 OF 14 FOR BORE DESIGN
	RECLAMATION:	N/A	N/A
	EROSION CONTROL:	N/A	N/A
	ENVIRONMENTAL:	N/A	N/A
AC MITIGATION:	N/A	N/A	

PIPE DATA	PIPE DETAILS:	8" HP, 322" WT X52 FBE	8" HP, 322" WT X52 ARO
	DESIGN CLASS LOC. / MAOP (OPERATING):	CLASS 3 / 471 MAOP	VARIES
	MINIMUM COVER:	42" MINIMUM COVER	

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD	
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY: J. JOHNSON
ENB-G-HYRNG-PIP-001	0	HYRUM RING GATE STATION & INDUSTRIAL MTR SET IN0656	100988.86	0	INSTALL 3800 LF OF 8" FL-153 PIPELINE	10/16/2025	JAJ	ERB	CHECKED BY: E. BUSH
ENB-P-F153-MAP-001A	0	SEE TERRACON DRAWING FOR BORE DESIGN	101233.54		INSTALL 3" SERVICE LINE TO IN0657				PROJECT ENGR: A. ASPLUND
ENB-P-F153-MAP-001B	0	SEE TERRACON DRAWING FOR BORE DESIGN							SURVEYOR: E. CLEMENCE
ENB-P-F153-PIP-001	0	8x3 BURIED VALVE ASSEMBLY							ENGR MNGR: W. RADFORD
ENB-STD-COR-COR-011	5	TEST STATION WITH GALVANIC ANODES							CONSTR MNGR: D FRANCIS
MEAS & CTRLS: AUTOM ENGR:									

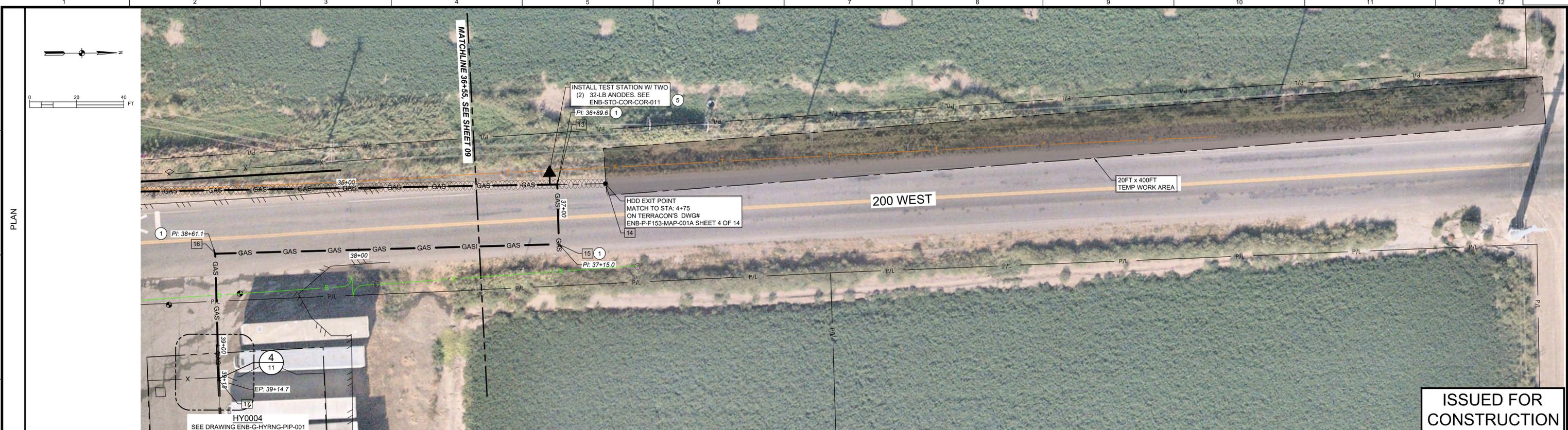


LINE NUMBER: FL-153  
 FACILITY: FEEDERLINE TO HY0004 RING GATE STATION  
 TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE  
 DESCRIPTION: ALIGNMENT PLAN AND PROFILE  
 ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

SECTION: 5, 32	T 10, 11 N	R 1 E	CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
ELEVATION: 41.646324	LONG: -111.860670	SCALE: HORIZ: 1"=40'-0"	VERT: 1"=20'-0"	DRAWING NUMBER: ENB-P-F153-MAP-001	SHEET: 9 OF 12
					REVISION: 0

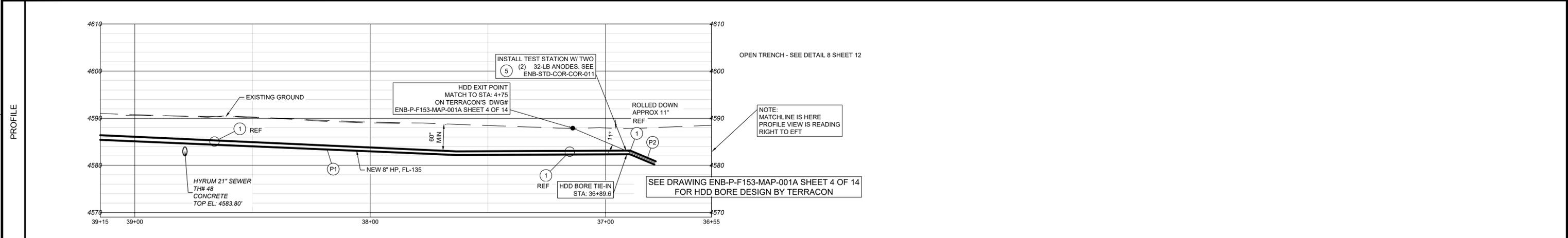
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ALIGNMENT	1	2	3	4	5	6	7	8	9	10	11	12
	S 89°07'47" E 53.6'	PL 38+61.1 90' 00" 00"	S 0°52'13" W 146.1'	PL 37+15.0 90' 00" 00"	S 89°07'47" E 25.4'	PL 36+89.6 90' 00" 00"	N 1°28'24" E 454.5'					



PROJECT CONTROLS	INSTALL METHOD:	OPEN TRENCH - SEE DETAIL 8 SHEET 12	HDD BORE - SEE TERRACON DRAWING ENB-P-F153-MAP-001A SHEET 4 OF 14 FOR BORE DESIGN
RECLAMATION:	N/A		
EROSION CONTROL:	N/A		
ENVIRONMENTAL:	N/A		
AC MITIGATION:	N/A		

OWNER	HYRUM
-------	-------

PIPE DATA	PIPE DETAILS:	8" HP .322" WT X52 FBE	8" HP .322" WT X52 ARO
DESIGN CLASS LOC. / MAOP (OPERATING):	CLASS 3 / 471 MAOP		
MINIMUM COVER:	60" MINIMUM COVER		

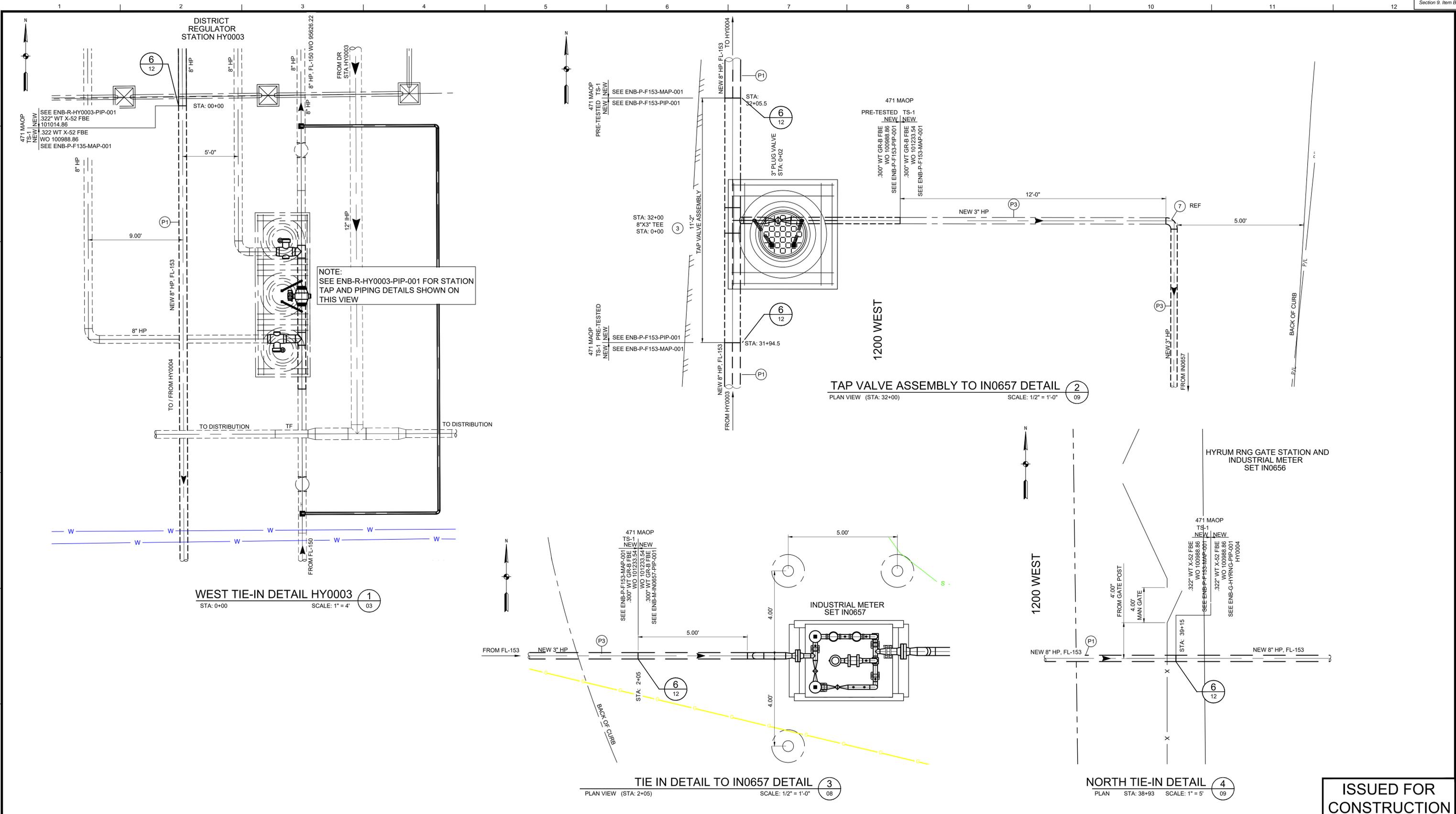
REFERENCE DRAWINGS				WORK ORDERS		REVISIONS				ENGINEERING RECORD					
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:	PROJECT ENGR:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:
ENB-G-HYRNG-PIP-001	0	HYRUM RNG GATE STATION & INDUSTRIAL MTR SET IN0656	100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	ISSUE FOR CONSTRUCTION	10/16/2025	JAJ	ERB	J. JOHNSON	E. BUSH	A. ASPLUND	E. CLEMENCE	W. RADFORD	D. FRANCIS
ENB-P-F153-MAP-001A	0	SEE TERRACON DRAWING FOR BORE DESIGN	101233.54	INSTALL 3" SERVICE LINE TO IN0657											
ENB-P-F153-MAP-001B	0	SEE TERRACON DRAWING FOR BORE DESIGN													
ENB-P-F153-PIP-001	0	8x3 BURIED VALVE ASSEMBLY													
ENB-STD-COR-COR-011	5	TEST STATION WITH GALVANIC ANODES													

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LINE NUMBER:	FL-153
FACILITY:	FEEDERLINE TO HY0004 RNG GATE STATION
TITLE:	INSTALL APPROX 3800 FEET OF 8" HP PIPE
DESCRIPTION:	ALIGNMENT PLAN AND PROFILE
ADDRESS:	300 N AND 400 W TO 4650 S AND 1200 W
CITY:	HYRUM
COUNTY:	CACHE
STATE:	UTAH
DRAWING NUMBER:	ENB-P-F153-MAP-001
SHEET:	10 OF 12
REVISION:	0

ENBRIDGE GAS - ANS D



**ISSUED FOR CONSTRUCTION**

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD						
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	PROJECT ENGR:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:
ENB-G-HYRNG-PIP-001	0	HYRUM RNG GATE STATION & INDUSTRIAL MTR SET IN0656	100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	ISSUE FOR CONSTRUCTION	10/16/2025	JAJ	ERB	J. JOHNSON	A. ASPLUND	E. CLEMENCE	W. RADFORD	D. FRANCIS
ENB-M-IN0657-PIP-001	0	INDUSTRIAL METER SET IN0657	101233.54	INSTALL 3" SERVICE LINE TO IN0657										
ENB-P-F153-MAP-001B	0	SEE TERRACON DRAWING FOR BORE DESIGN												
ENB-G-HYRNG-CCS-001	0	SITE AND GRADING PLAN												

**ENBRIDGE**

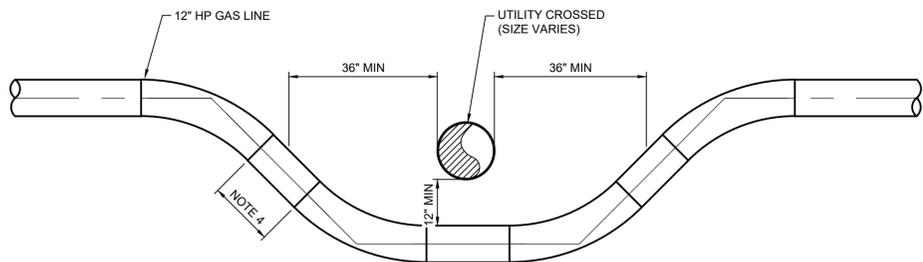
SECTION: 5, 32 T10, 11 N R1 E  
 ELEVATION:  
 LAT: 41.646324 LONG: -111.860670  
 SCALE: AS SHOWN

LINE NUMBER: FL-153  
 FACILITY: FEEDERLINE TO HY0004 RNG GATE STATION  
 TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE  
 DESCRIPTION: DETAILS  
 ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

CITY: HYRUM COUNTY: CACHE STATE: UTAH

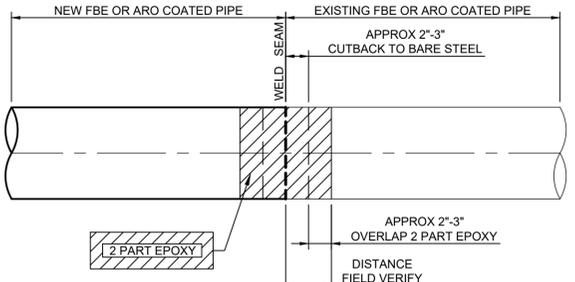
DRAWING NUMBER: ENB-P-F153-MAP-001 SHEET: 11 OF 12 REVISION: 0

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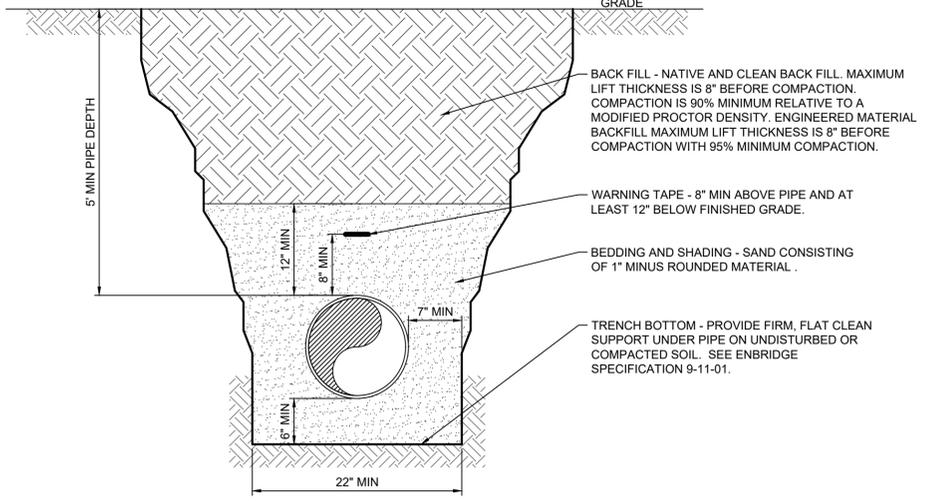
- UTILITY CROSSING NOTES:**
1. FIELD ENGINEER TO DETERMINE CROSSING METHOD DURING EXCAVATION.
  2. PIPE CROSSING ACHIEVED VIA ELBOWS, PIPE BENDING OR SAGGING THE PIPELINE.
  3. IN ALL INSTANCES, MINIMUM DIMENSIONS SHOWN SHALL GOVERN.
  4. 3 PIPE DIAMETER MINIMUM PIPE LENGTH BETWEEN FITTINGS WHEREVER POSSIBLE, OTHERWISE FOLLOW SP 1-01-02.

**TYPICAL UTILITY LOOP CROSSING DETAIL** (5)  
SCALE: NONE

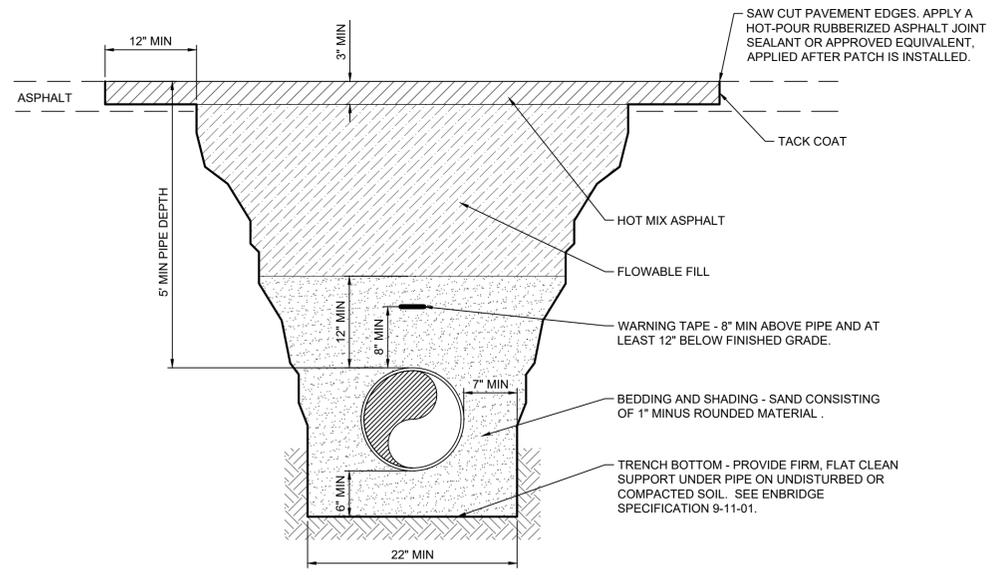


NOTE: WHEN ARO COATED PIPE IS USED, THE 2 PART EPOXY COATING THICKNESS DURING SINGLE APPLICATION SHALL NOT EXCEED 40 MILS. BUILD UP TO MAX 70 MILS, WITH TARGET OF 60 MILS.

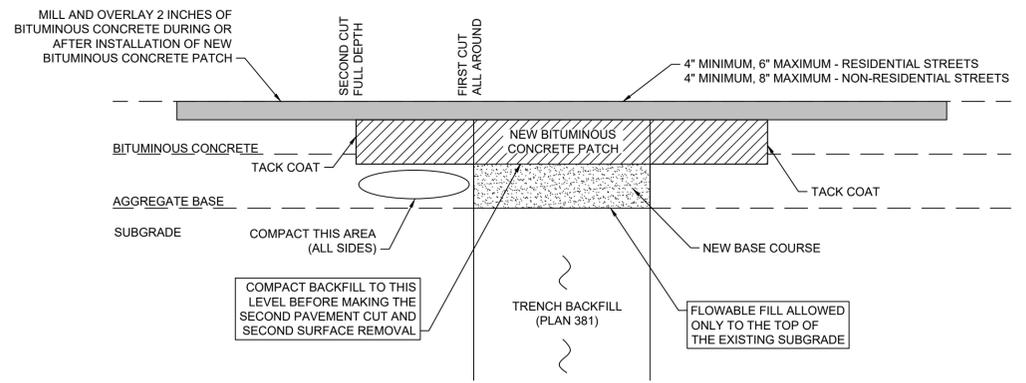
**COATING DETAIL** (6)  
SCALE: NONE



**GRANULAR BACK FILL TYPICAL TRENCH DETAIL** (7)  
SCALE: NONE



**ASPHALT T-PATCH TYPICAL TRENCH DETAIL** (8)  
SCALE: NONE



**BITUMINOUS CONCRETE RESTORATION** (9)  
SCALE: NONE

**ISSUED FOR CONSTRUCTION**

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS			ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY: J. JOHNSON
ENB-G-HYRNG-PIP-001	0	HYRUM RNG GATE STATION & INDUSTRIAL MTR SET IN0656	100988.86	INSTALL 3800 LF OF 8" FL-153 PIPELINE	0	10/16/2025	JAJ	ERB	CHECKED BY: E. BUSH
ENB-P-F153-MAP-001A	0	SEE TERRACON DRAWING FOR BORE DESIGN							PROJECT ENGR: A. ASPLUND
ENB-P-F153-MAP-001B	0	SEE TERRACON DRAWING FOR BORE DESIGN							SURVEYOR: E. CLEMENCE
									ENGR MNGR: W. RADFORD
									CONSTR MNGR: D FRANCIS
									MEAS & CTRLS:
									AUTOM ENGR:

**ENBRIDGE**

SECTION: 5, 32 T10, 11 N R1 E  
ELEVATION:  
LAT: 41.646324 LONG: -111.860670  
SCALE: AS SHOWN

LINE NUMBER: FL-153  
FACILITY: FEEDERLINE TO HY0004 RNG GATE STATION  
TITLE: INSTALL APPROX 3800 FEET OF 8" HP PIPE  
DESCRIPTION: DETAILS  
ADDRESS: 300 N AND 400 W TO 4650 S AND 1200 W

CITY: HYRUM COUNTY: CACHE STATE: UTAH

DRAWING NUMBER: ENB-P-F153-MAP-001 SHEET: 12 OF 12 REVISION: 0

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CONSTRUCTION NOTES

- THE REQUIREMENT OF AN HDD INSTALLATION ARE MORE FULLY DESCRIBED IN OWNER STANDARD PRACTICE 2-15-01. ALL HDD CONSTRUCTION OPERATIONS SHALL BE IN ACCORDANCE WITH STANDARD PRACTICE 2-15-01. THE STANDARD PRACTICE WILL SUPERSEDE THESE NOTES, IF DISCREPANCIES EXIST.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION AREA. CONTRACTOR SHOULD PERFORM CONTINUOUS MONITORING FOR ANY SIGN OF DRILLING FLUIDS DURING HDD DRILLING AND PULLBACK OPERATIONS.
- CONTRACTOR SHALL CALL BLUESTAKES UTILITY LOCATION SERVICE PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL LOSSES AND REPAIRS OCCASIONED BY DAMAGE TO UNDERGROUND FACILITIES/UTILITIES RESULTING FROM THEIR WORK.
- CONTRACTOR SHALL AT ALL TIMES PROVIDE AND MAINTAIN INSTRUMENTATION WHICH WILL ACCURATELY LOCATE THE PILOT HOLE, MEASURE DRILL STRING AXIAL AND TORSIONAL LOADS, AND MEASURE DRILLING FLUID DISCHARGE RATE AND PRESSURE. THE OWNER AND/OR THEIR SITE REPRESENTATIVE SHALL HAVE ACCESS TO SAID INSTRUMENTATION AND THEIR READINGS AT ALL TIMES. A LOG OF ALL RECORDED READINGS SHALL BE MAINTAINED AND WILL BECOME PART OF THE "AS-BUILT" INFORMATION DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER.
- THE PILOT HOLE SHALL BE DRILLED ALONG THE PATH SHOWN ON THE DRAWINGS WITHIN THE FOLLOWING TOLERANCES:
  - HORIZONTAL: +/- 5 FEET FROM DESIGN CENTERLINE
  - VERTICAL: + 2 FEET TO -10 FEET FROM DESIGN PROFILE (THE HDD DRILL PATH MAY BE UP TO 10 FEET LOWER THAN THAT WHICH IS DEPICTED AND UP TO 2 FEET HIGHER THAN THAT WHICH IS DEPICTED). ADDITIONALLY, CONCERN FOR ADJACENT UTILITIES AND/OR STRUCTURES SHALL TAKE PRECEDENCE OVER THE LISTED TOLERANCES. LISTING OF TOLERANCES DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR SAFE OPERATIONS OR DAMAGE TO ADJACENT UTILITIES AND STRUCTURES.
- CURVES SHOULD BE DRILLED AT A RADIUS EQUAL TO OR GREATER THAN THAT LISTED ON THE DRAWINGS. HOWEVER, IN THE EVENT THAT A STEERING CORRECTION IS NEEDED AND A TIGHTER RADIUS MUST BE CONSTRUCTED TO STAY WITHIN ALIGNMENT TOLERANCES, THE MINIMUM THREE JOINT RADIUS SHALL BE 600 FEET. THE DRILLED RADIUS WILL BE CALCULATED OVER ANY THREE OR MORE JOINT SEGMENTS USING THE FOLLOWING FORMULA:
  - $R = L / A * 57.296$   
WHERE:  
R = DRILLED RADIUS OVER LENGTH (L)  
L = LENGTH DRILLED, NO LESS THAN 75 FEET AND NO GREATER THAN 100 FEET  
A = TOTAL CHANGE IN ANGLE OVER LENGTH (L)
- AT THE COMPLETION OF THE PILOT HOLE DRILLING, THE CONTRACTOR SHALL PROVIDE A TABULATION OF COORDINATES, REFERENCED TO THE DRILLED ENTRY POINT, WHICH ACCURATELY DESCRIBES THE LOCATION OF THE PILOT HOLE. THIS TABULATION SHALL BE IN ADDITION TO THE LOG OF RECORDED READINGS REQUIRED IN ACCORDANCE WITH NOTE 5.
- THE MAXIMUM ALLOWABLE TENSILE LOAD IMPOSED ON THE PULL SECTION SHALL BE EQUAL TO 90% OF THE PRODUCT OF THE SPECIFIED MINIMUM YIELD STRENGTH OF THE PIPE AND THE AREA OF THE PIPE SECTION. IF MORE THAN ONE VALUE IS INVOLVED FOR A GIVEN PULL SECTION, THE LESSER SHALL GOVERN.
- A SWIVEL SHALL BE USED TO CONNECT THE PULL SECTION TO THE REAMING ASSEMBLY TO MINIMIZE TORSIONAL STRESS IMPOSED ON THE SECTION.
- THE PULL SECTION SHALL BE SUPPORTED AS IT PROCEEDS DURING PULLBACK SO THAT IT MOVES FREELY AND THE PIPE AND COATING ARE NOT DAMAGED.
- THE PULL SECTION SHALL BE INSTALLED IN THE REAMED HOLE IN SUCH A MANNER THAT EXTERNAL STRESSES ARE MINIMIZED. THE PULL SECTION MAY BE BALLASTED INTERNALLY WITH WATER TO HELP REDUCE PULLING STRESSES. ANY DAMAGE TO THE PIPE RESULTING FROM EXTERNAL PRESSURE OR EXCESSIVE STRESS DURING INSTALLATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- BUOYANCY MODIFICATION SHALL BE USED AT THE DISCRETION OF THE CONTRACTOR. ANY BUOYANCY MODIFICATION PROCEDURE PROPOSED FOR USE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO USE. NO PROCEDURE SHALL BE USED WHICH HAS NOT BEEN APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PULL SECTION RESULTING FROM BUOYANCY MODIFICATION.
- IF THE PULL SECTION IS CORROSION COATED, IT SHALL BE INSPECTED FOR HOLIDAYS WITH A HOLIDAY DETECTOR AS IT ENTERS THE HOLE. ANY COATING DAMAGE FOUND SHALL BE REPAIRED.
- THE COMPOSITION OF ALL DRILLING FLUIDS PROPOSED FOR USE SHALL BE SUBMITTED TO THE OWNER FOR REVIEW AND APPROVAL. NO FLUID WILL BE APPROVED OR UTILIZED THAT DOES NOT COMPLY WITH PERMIT REQUIREMENTS AND ENVIRONMENTAL REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, TRANSPORTING, AND STORING ANY WATER REQUIRED FOR DRILLING FLUIDS.
- CONTRACTOR SHALL MAXIMIZE RECIRCULATION OF DRILLING FLUID SURFACE RETURNS. CONTRACTOR SHALL PROVIDE SOLIDS CONTROL AND FLUID CLEANING EQUIPMENT OF A CONFIGURATION AND CAPACITY THAT CAN PROCESS SURFACE RETURNS AND PRODUCE DRILLING FLUID WITH APPROPRIATE PROPERTIES AND FOR REMOVAL OF EXCESS CUTTINGS FROM THE FLUID.
- DISPOSAL OF EXCESS DRILLING FLUIDS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONDUCTED IN COMPLIANCE WITH OWNER POLICIES AND PROCEDURES, ALL ENVIRONMENTAL REGULATIONS, RIGHT-OF-WAY AND WORKSPACE AGREEMENTS, AND PERMIT REQUIREMENTS. DRILLING FLUID DISPOSAL PROCEDURES PROPOSED FOR USE SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL TWO WEEKS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL EMPLOY HIS BEST EFFORTS TO MAINTAIN FULL ANNULAR CIRCULATION OF DRILLING FLUIDS. DRILLING FLUID RETURNS AT LOCATIONS OTHER THAN THE ENTRY AND EXIT POINTS SHALL BE MINIMIZED. IN THE EVENT THAT ANNULAR CIRCULATION IS LOST, THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO RESTORE CIRCULATION. IF INADVERTENT SURFACE RETURNS OF DRILLING FLUIDS OCCUR, THEY SHALL BE IMMEDIATELY CONTAINED, COLLECTED, AND REMOVED/DISPOSED IN ACCORDANCE WITH OWNER POLICIES AND I.R. CONTINGENCY PLAN.
- THE CONTRACTOR SHALL SUBMIT TO THE OWNER A LIST OF ON SITE CONTAINMENT EQUIPMENT AND SDS SHEETS FOR ALL DRILLING FLUID ADDITIVES TO BE INCLUDED IN THE IR PLAN FOUR WEEKS PRIOR TO CONSTRUCTION. THE PLAN SHALL ADDRESS, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS:
  - IDENTIFICATION OF AREAS REQUIRING PROTECTION (STREAMS, WETLANDS, PONDS, RESTRICTED PROPERTY, ETC.);
  - DESCRIPTION OF THE METHOD(S) THAT WILL BE USED TO LOCATE INADVERTENT RETURNS WHEN THEY OCCUR;
  - DESCRIPTION OF THE METHOD(S) THAT WILL BE USED TO CONTAIN, COLLECT, AND REMOVE/DISPOSE OF THE INADVERTENT RETURNS;
  - METHOD TO RESTORE AREAS ONTO WHICH INADVERTENT RETURNS WERE CONTAINED.
- IF THE AMOUNT OF INADVERTENT RETURNS EXCEEDS THE CAPACITY OF THE CONTAINMENT, DRILLING OPERATIONS SHALL BE SUSPENDED UNTIL THE VOLUME OF INADVERTENT RETURNS CAN BE MANAGED WITHOUT EXCEEDING THE CAPACITY OF THE CONTAINMENT.
- THE HDD CONSTRUCTION SHOULD BE OBSERVED ON A FULL-TIME BASIS BY A REPRESENTATIVE OF THE ENGINEER.

SITE CONDITIONS (GEOLOGY NOTES AND SUBSURFACE SOILS)

THE PROPOSED CROSSING IS LOCATED NEAR THE EASTERN MARGIN OF THE BASIN AND RANGE PHYSIOGRAPHIC PROVINCE. THIS PROVINCE IS CHARACTERIZED BY NORTH-SOUTH TRENDING MOUNTAIN RANGES SEPARATED FROM ADJACENT BROAD VALLEYS BY NORMAL FAULTS. GEOLOGIC FORMATIONS IN THE MOUNTAINS CONSIST PREDOMINANTLY OF PALEOZOIC LIMESTONE, QUARTZITE, SANDSTONE AND MORE RECENT INTRUSIVE VOLCANIC ROCK. REGIONAL UPLIFT ALONG THE NORMAL FAULTS HAS RESULTED IN FRACTURING AND JOINTING OF THE BEDROCK. BASED ON PUBLISHED GEOLOGIC MAPPING BY MCKEAN & HYLLAND (2019) SURFACE SOILS AT THE PROPOSED CROSSING LOCATION CONSIST OF STREAM DEPOSITS THAT CONSISTS PRIMARILY OF SAND, SILT, AND CLAY IN ABANDONED STREAM CHANNELS AND FLOOD PLAINS AND IN DELTA AND LACUSTRINE DEPOSITS. SUBSURFACE CONDITIONS ENCOUNTERED IN THE BORING CONSIST OF PREDOMINANTLY SANDY SOILS INTERBEDDED WITH CLAY.

THE MAJOR SOIL GROUPS ENCOUNTERED DURING THE FIELD EVALUATION ARE DESCRIBED HERE IN THE GENERAL ORDER OF THEIR OCCURRENCE. MORE DETAILED DESCRIPTIONS OF THE SOILS ENCOUNTERED IN THE BORINGS, INCLUDING FIELD GEO-MECHANICAL DATA, SUCH AS DRIVEN SAMPLER BLOW COUNTS, ARE PRESENTED ON THE BORING LOGS (SHEETS 12-14). GEOTECHNICAL PLAN AND PROFILE SHEETS SHOWING THE BORINGS PERFORMED FOR EACH CROSSING WITH RESPECT TO THE EXISTING GROUND (TOPOGRAPHIC SURVEY) AND THE PROPOSED DRILL PATH IS PROVIDED ON SHEETS 5 - 6.

REFERENCES

EVANS, JAMES P., MCCALPIN, JAMES P. AND HOLMES, DAVID C., 1996. GEOLOGIC MAP OF THE LOGAN 7.5' QUADRANGLE CACHE COUNTY, UTAH. UTAH DEPARTMENT OF NATURAL RESOURCES, UTAH GEOLOGICAL SURVEY MISC. PUBLICATION 96-1

LIMITATIONS

- THE HDD DESIGNS PRESENTED ON THESE DRAWINGS SHALL BE REVIEWED BY THE OWNER AND HDD CONTRACTOR PRIOR TO CONSTRUCTION. SHOULD THE CONTRACTOR DEVIATE FROM THE DESIGN DEPICTED IN THIS DRAWING SET IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY ADDITIONAL INFORMATION (INCLUDING, BUT NOT LIMITED TO, GEOTECHNICAL DATA) THAT IS NECESSARY AND TO PERFORM ADDITIONAL ANALYSIS AS REQUIRED TO ACCOMMODATE THEIR REVISED PLAN.
- THIS WORK WAS PERFORMED IN A MANNER CONSISTENT WITH THAT LEVEL OF CARE AND SKILL ORDINARILY EXERCISED BY OTHER MEMBERS OF TERRACON'S PROFESSION PRACTICING IN THE SAME LOCALITY, UNDER SIMILAR CONDITIONS AND AT THE DATE THE SERVICES ARE PROVIDED. TERRACON MAKES NO OTHER REPRESENTATION, GUARANTEE OR WARRANTY, EXPRESS OR IMPLIED, REGARDING THE SERVICES, COMMUNICATION (ORAL OR WRITTEN), PLANS, OPINION, OR INSTRUMENT OF SERVICE PROVIDED.
- DESCRIPTIONS CONTAINED IN THESE PLANS ARE BASED ON OUR FIELD OBSERVATIONS AND SUBSURFACE EXPLORATIONS, LIMITED LABORATORY TESTS, AND OUR PRESENT KNOWLEDGE OF THE PROPOSED CONSTRUCTION. IT IS POSSIBLE THAT SOIL OR GROUNDWATER CONDITIONS COULD VARY BETWEEN OR BEYOND THE POINTS EXPLORED. THE DESCRIPTIONS PRESENTED IN THESE PLANS ARE FOR THE EXCLUSIVE USE OF THE CLIENT AND THEIR DESIGNATED CONTRACTORS AND ARE ONLY APPLICABLE TO THE SPECIFIC SITE REFERENCED. THE DESCRIPTIONS ARE NOT TO BE EXTRAPOLATED TO OTHER PROJECTS.
- THE SUBSURFACE CONDITIONS DESCRIBED IN THIS DRAWING SET ARE ONLY APPLICABLE TO THE POINTS OF EXPLORATION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SELECT THE CONSTRUCTION MEANS AND METHODS (I.E., TYPE OF DRILLING FLUID, PUMPING RATE FOR FLUID, TOOLING SELECTION, RATE OF ADVANCEMENT, DRILLING FLUID CONTAINMENT, INADVERTENT FLUID RELEASE CONTINGENCY PLANNING, ETC.).

PAD NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR THEIR MEANS AND METHODS AND TO ANCHOR THEIR EQUIPMENT DURING CONSTRUCTION.
- EROSION AND SEDIMENT CONTROL IS NOT DEPICTED ON THESE DRAWINGS. THE HDD CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- GRADING DESIGN IS BY OTHERS.
- TEMPORARY EXCAVATIONS SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.
- THE CONTRACTOR SHALL RESTORE THE SITE GRADING AND VEGETATION TO ITS FORMER CONDITION AT THE COMPLETION OF WORK.



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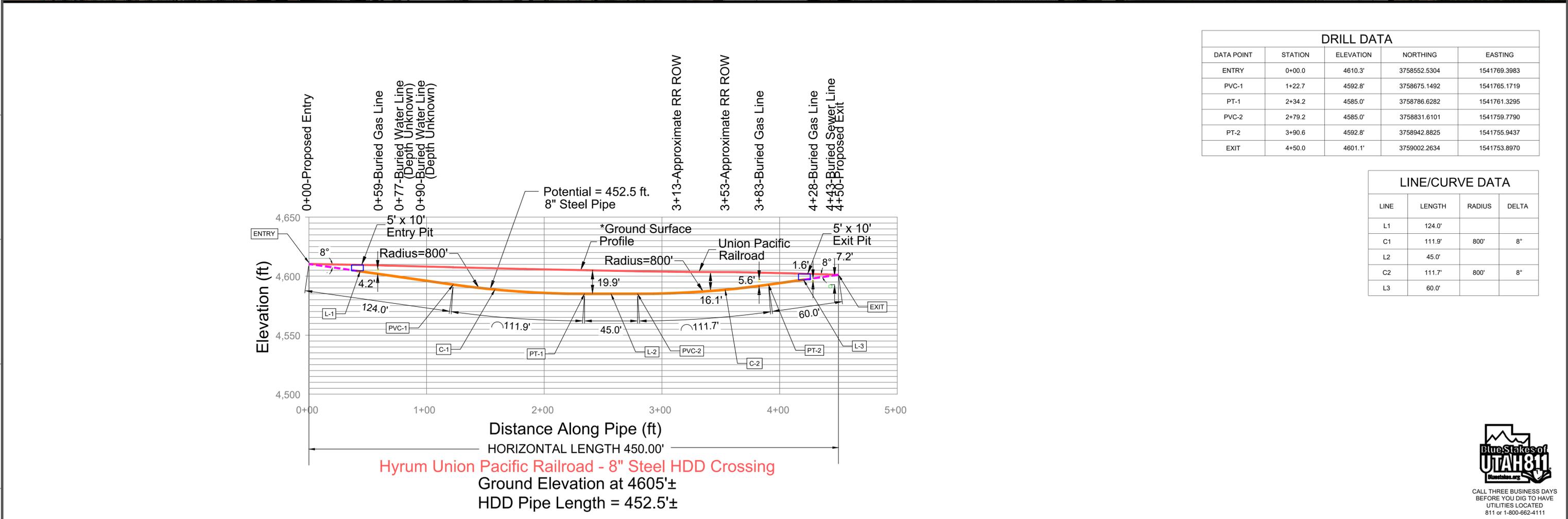
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REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD	
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	TERRACON (RR)
ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	FL-153: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE VIA HDD TRENCHLESS METHODS	10/16/2025	RFR	JWD/DD	CHECKED BY:	TERRACON (JD)
								PROJECT ENGR:	ANDREW ASPULND
								SURVEYOR:	ENISGN
								ENGR MNGR:	WILL RADFORD
								CONSTR MNGR:	NA
								SECTION:	32 T 11N R 1E
								ELEVATION:	4610.8 AT ENTRY
								LAT:	
								LONG:	
								SCALE:	NA

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\*THE ANALYSES PERFORMED AND THE RECOMMENDATIONS DEVELOPED FOR THIS PROJECT ARE BASED ON TOPOGRAPHIC AND CONCEPTUAL ALIGNMENT DATA PROVIDED BY THE CLIENT; ANY VARIATIONS FROM THIS CLIENT-PROVIDED DATA SHOULD BE REPORTED TO TERRACON TO EVALUATE THE IMPACTS OF SUCH CHANGES ON OUR ANALYSES AND RECOMMENDATIONS

**ISSUED FOR CONSTRUCTION**

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									CHECKED BY: TERRACON (JD)
									PROJECT ENGR: ANDREW ASPULND
									SURVEYOR: ENSIGN
									ENGR MNGR: WILL RADFORD
									CONSTR MNGR: NA

			LINE NUMBER: FL-153 FACILITY: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE TITLE: HDD TRENCHLESS CROSSING DESCRIPTION: HDD PLAN AND PROFILE ALIGNMENT 1 ADDRESS: 200 WEST NEAR 570 NORTH
SECTION: 32	T 11N	R 1E	CITY: HYRUM
ELEVATION: 4610.8 AT ENTRY			COUNTY: CACHE
LAT: _____	LONG: _____		STATE: UTAH
SCALE: 1"=40'-0" H 1"=40'-0" V			DRAWING NUMBER: ENB-P-FL153-MAP-001A
			SHEET: 3 OF 14
			REVISION: 0

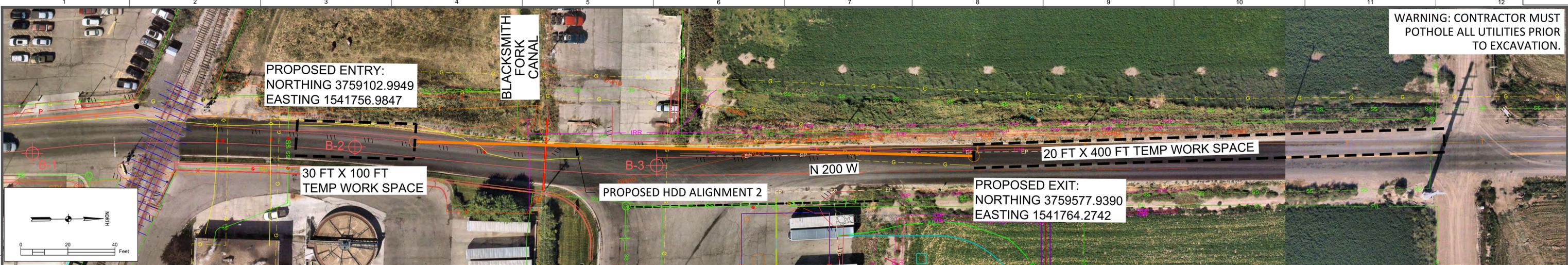
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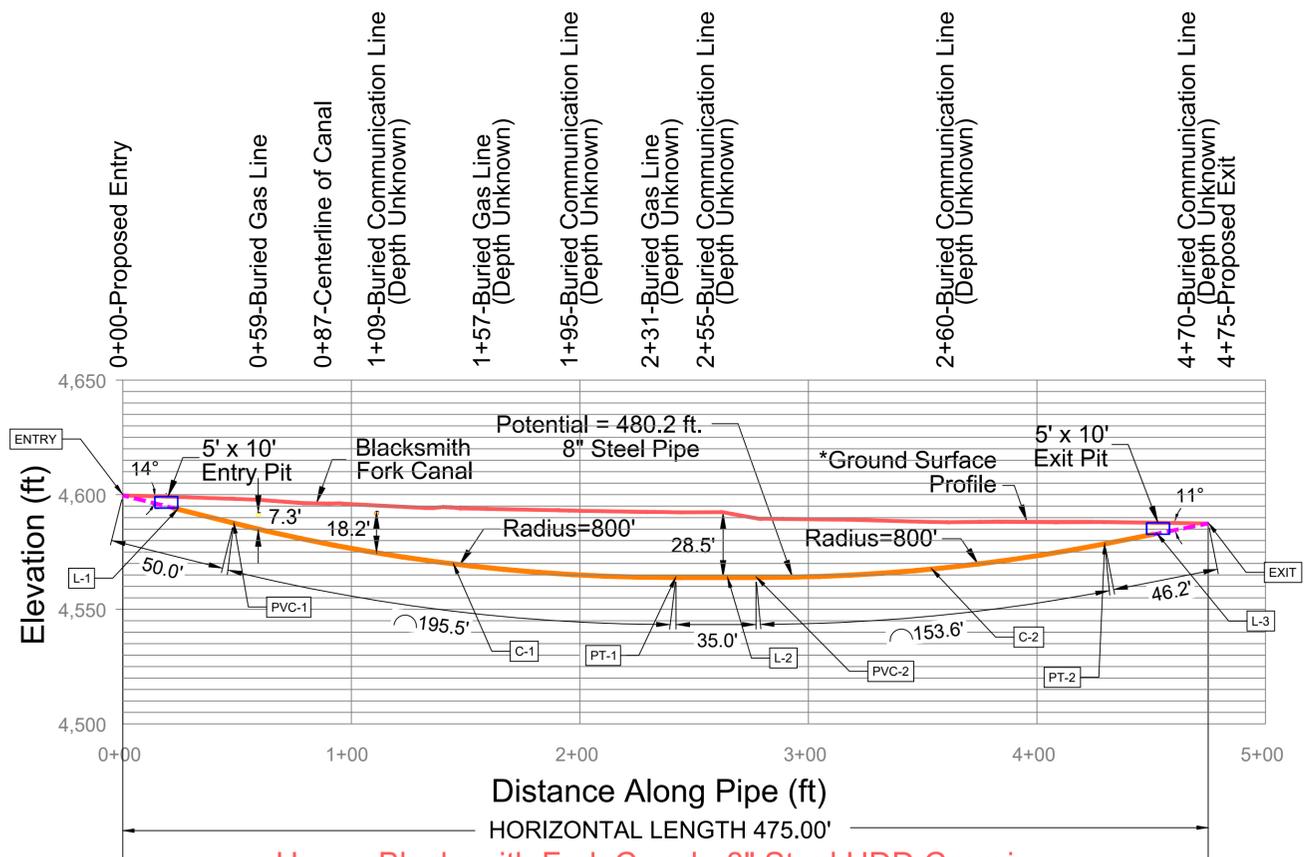
3 HDD Plan and Profile.dwg - 10/14/2025 - 04:56am

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DRILL DATA				
DATA POINT	STATION	ELEVATION	NORTHING	EASTING
ENTRY	0+00.0	4599.7'	3759102.9949	1541756.9847
PVC-1	0+48.5	4587.6'	3759151.5041	1541757.7217
PT-1	2+42.1	4563.8'	3759345.0193	1541760.6615
PVC-2	2+77.1	4563.8'	3759380.0161	1541761.1932
PT-2	4+29.7	4578.5'	3759532.6457	1541763.5119
EXIT	4+75.0	4587.1'	3759577.9390	1541764.2742

LINE/CURVE DATA			
LINE	LENGTH	RADIUS	DELTA
L1	50.0'		
C1	195.5'	800'	14°
L2	35.0'		
C2	153.6'	800'	11°
L3	46.2'		



**Hyrum Blacksmith Fork Canal - 8" Steel HDD Crossing**  
 Ground Elevation at 4592'±  
 HDD Pipe Length = 480.2'±

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									TERRACON (JD)
									PROJECT ENGR: ANDREW ASPULND
									SURVEYOR: ENSIGN
									ENGR MNGR: WILL RADFORD
									CONSTR MNGR: NA

SECTION: 32	T 11N	R 1E
ELEVATION: 4610.8 AT ENTRY		
LAT: _____	LONG: _____	
SCALE: 1"=40'-0" H 1"=40'-0" V		

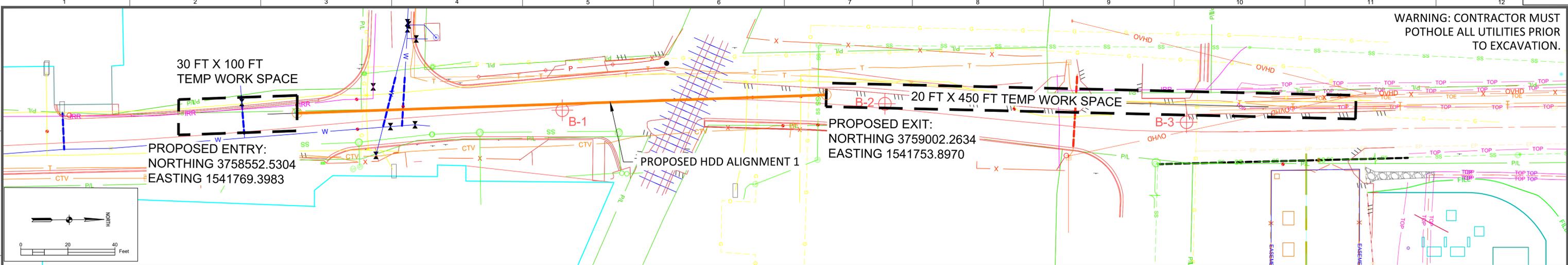
LINE NUMBER:	FL-153
FACILITY:	INSTALL 450 LF & 475 LF OF 8" STEEL PIPE
TITLE:	HDD TRENCHLESS CROSSING
DESCRIPTION:	HDD PLAN AND PROFILE ALIGNMENT 2
ADDRESS:	200 WEST NEAR 570 NORTH

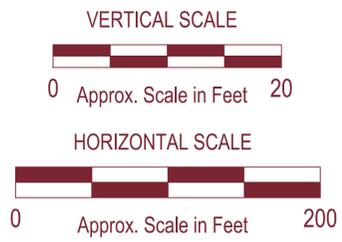
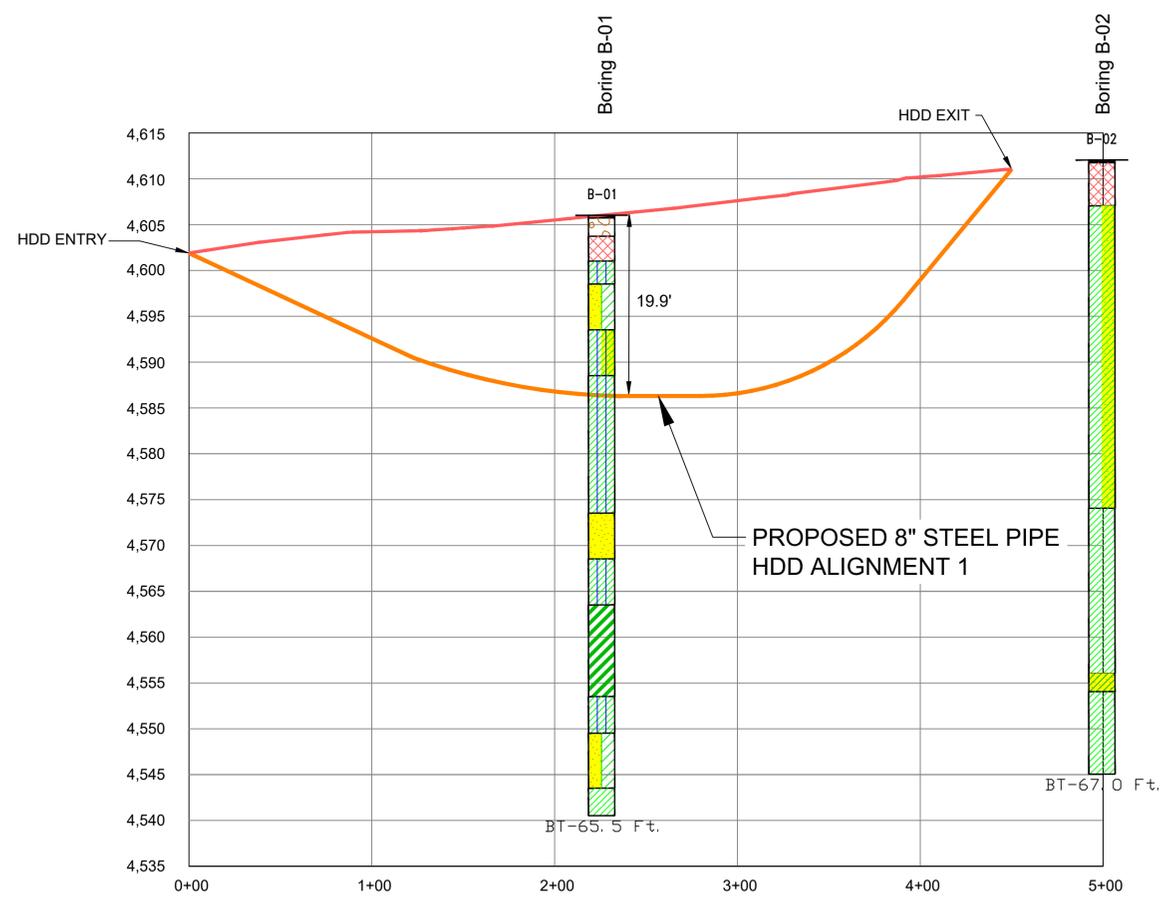
CITY	COUNTY	STATE
HYRUM	CACHE	UTAH
DRAWING NUMBER		SHEET
ENB-P-FL153-MAP-001A		4 OF 14
		REVISION
		0

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NOTE:  
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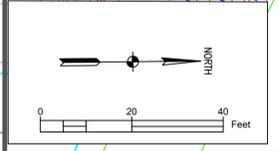
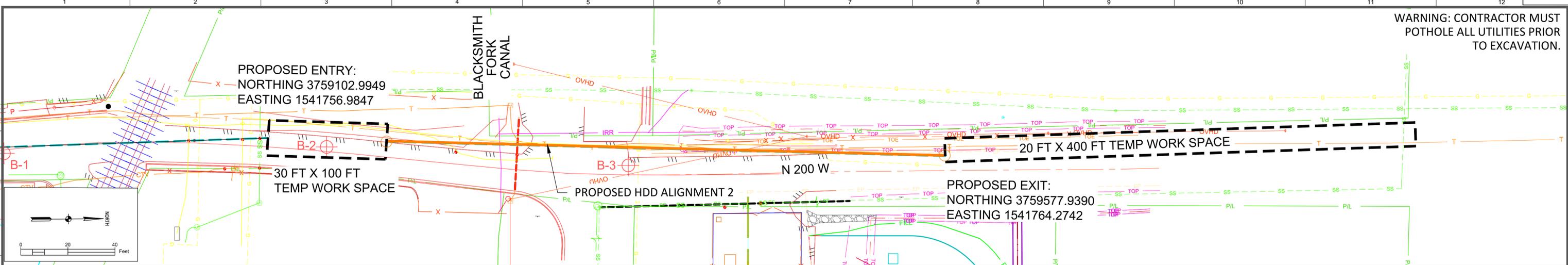
  

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SCALE: 1"=40'-0" H 1"=40'-0" V	DRAWING NUMBER: ENB-P-FL153-MAP-001A		STATE: UTAH
	SHEET: 5 OF 14	REVISION: 0	

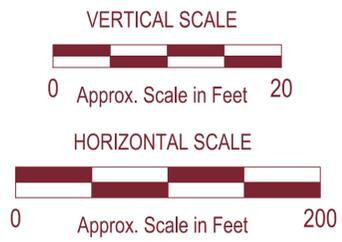
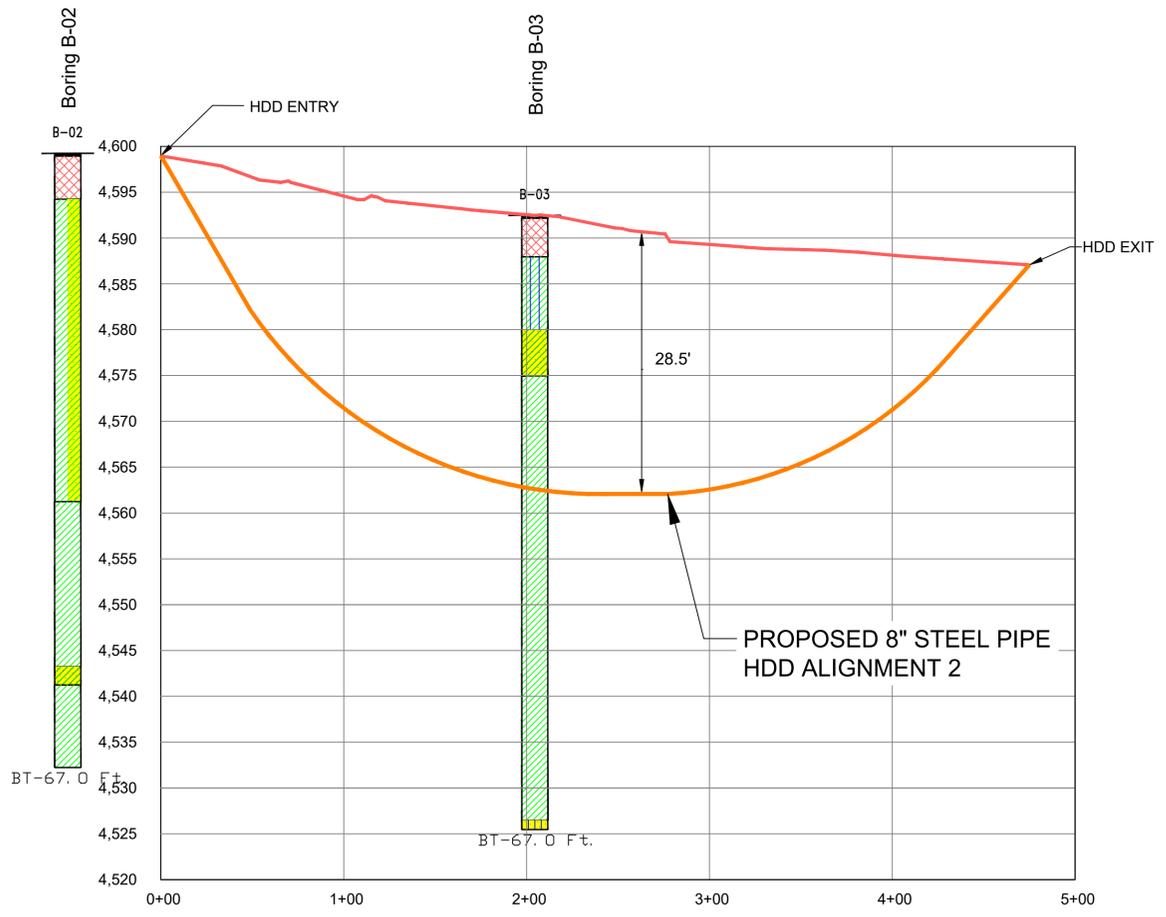
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									CHECKED BY: TERRACON (JD)
									PROJECT ENGR: ANDREW ASPULND
									SURVEYOR: ENSIGN
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DRAWING NUMBER		SHEET		REVISION	
ENB-P-FL153-MAP-001A		6 OF 14		0	

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6 HDD Geotechnical Plan and Profile.dwg - 10/14/2025 - 04:57am

### Settlement Estimation

Pipe Specification			HDD Bore Path		
Pipe Material	Steel Pipe	Segment	Curve Type	True Length	Unit
Outer Diameter	8.625 in	1	Tangent	124 ft	Entry Angle 8 Degrees
Wall Thickness	0.322 in	2	Vertical Curve	112 ft	Exit Angle 8.0 Degrees
Inner Diameter	7.981 in	3	Tangent	45 ft	
Dimension Ratio	26.7857143	4	Vertical Curve	112 ft	Total Drill Length 453 ft
		5	Tangent	60 ft	

#### Settlement Estimation of Bore Path

Station	3+25	ft
Volume of the Annulus Per Unit of Bore Length	74	in <sup>2</sup>
Volume Loss Factor	0.33	
Settlement Trough Volume Per Unit of Bore Length	25	in <sup>2</sup>
Depth of Interest (Other than the Surface)	0	ft
Offset of the Desired Location from the Centerline of Bore Path	0	ft
Surface Settlement Above the Centerline of the Pipe (NASTT)	0.22	in
Settlement at the Desired Depth and Offset (New and O'Reilly)	0.06	in
Settlement Above the Centerline, at the Desired Depth (New and O'Reilly)	0.06	in
Surface Settlement Above the Centerline of the Pipe (New and O'Reilly)	0.06	in

#### References

NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).  
 Stein D. and Stein R. (2013). "Trenchless Technology for Installation of Cables and Pipelines- Horizontal Directional Drilling (HDD)" Prof. Dr.-Ing. Stein and Partners GmbH.  
 New, B. M., and O'Reilly, M. P. (1991). "Tunnelling Induced Ground Movements, Predicting their Magnitude and Effects." Proc., 4th Conf. on Ground Movements and Structures.  
 Mair, R.J., Taylor, R.N., Bracegirdle, A. (1993). Subsurface Settlement Profiles Above Tunnels in Clay. Géotechnique 43, Issue 2.  
 Leach, G (1994). "Pipeline Response to Tunnelling", British Gas Engineering Research Station.

- NOTES FOR HYDRAULIC FRACTURING ANALYSIS PRESSURE CHART
- ALLOWABLE BOREHOLE PRESSURE FOR THE ANTICIPATED HDD PILOT HOLE WAS EVALUATED USING THE DELFT EQUATION. THIS EVALUATION IS PRELIMINARY BASED ON OUR ASSUMPTIONS AND SHOULD BE CHECKED FOLLOWING SELECTION OF DRILLING EQUIPMENT BY THE CONTRACTOR.
  - ANALYSIS WAS BASED ON ENTRY ANGLE OF 8 DEGREES FROM HORIZONTAL, AND AN EXIT ANGLE OF 8 DEGREES FROM HORIZONTAL. A PILOT HOLE DIAMETER OF 10 INCHES, A DRILL ROD DIAMETER OF 4.5 INCHES, A MUD PUMP OUTPUT OF UP TO 100 GALLONS PER MINUTE, AND A MUD UNIT WEIGHT OF 75 PCF. CHANGES IN THE DRILLING FLUID PROPERTIES AND DRILLING EQUIPMENT WILL AFFECT THE ANALYSIS RESULTS.
  - PREDICTED DRILLING FLUID PRESSURE CURVES ARE APPROXIMATE AND WERE DEVELOPED USING DRILLING FLUID RHEOLOGY FORMULAS AND SEVERAL HDD DRILLING RULES OF THUMB (I.E., 1 PSI DYNAMIC HEAD LOSS PER 15-FOOT-LONG DRILL ROD.). THIS ASSUMES THE HDD DRILL CUTTINGS ARE BEING PROPERLY REMOVED FROM THE DRILLING FLUID, AS RECOMMENDED IN THE HDD GOOD PRACTICES GUIDELINES. IF THE DRILLING FLUID IS HEAVILY LOADED WITH SOIL, THE PRESSURES CAN BE HIGHER. IF SOLIDS ARE ALLOWED TO BUILD UP IN THE HDD BORE HOLE DURING DRILLING, THE PREDICTED PRESSURES CAN EXCEED ESTIMATES, WHICH CAN LEAD TO INADVERTENT FLUID RETURNS TO THE GROUND SURFACE.
  - ALL HDD DRILLING AND PIPELINE INSTALLATION SHOULD BE PERFORMED IN GENERAL ACCORDANCE WITH THE "NASTT HORIZONTAL DIRECTIONAL DRILLING (HDD) GOOD PRACTICES GUIDELINES", FOURTH EDITION (2017).
  - AS INDICATED BY THE ALLOWABLE PRESSURE CURVES PRESENTED, THERE IS A HIGHER RISK FOR INADVERTENT FLUID RETURNS BETWEEN STATIONS 1+00 AND 2+50 AND NEAR THE HDD EXIT POINT (APPROXIMATELY STATION 4+10). THE HDD CONTRACTOR SHOULD USE ADDITIONAL CAUTION AND LIMIT DRILLING FLUID PRESSURES TO LESS THAN 50 PSI NEAR THE EXIT POINT. IF THE CONTRACTOR IS DRILLING IN ACCORDANCE WITH THE HORIZONTAL DIRECTIONAL DRILLING GOOD PRACTICES GUIDELINES, THE PRESSURE SHOULD BE SIMILAR TO THAT SPECIFIED FOR THE "1 PSI PER JOINT" PLOT.
  - THIS ANALYSIS IS BASED ON THE EQUIPMENT AND DRILLING MUD PROPERTIES ESTIMATED BY TERRACON. IF THE CONTRACTOR DEVIATES FROM THE PROVIDED EQUIPMENT OR DRILLING MUD PROPERTIES THE ANALYSIS SHOULD BE CHECKED AND MODIFIED AS APPROPRIATE FOR CONSTRUCTION PURPOSES.
- REFERENCES:
- EVANS, JAMES P., MCCALPIN, JAMES P. AND HOLMES, DAVID C., 1996. GEOLOGIC MAP OF THE LOGAN 7.5' QUADRANGLE CACHE COUNTY, UTAH. UTAH DEPARTMENT OF NATURAL RESOURCES, UTAH GEOLOGICAL SURVEY MISC. PUBLICATION 96-1
  - ALLOWABLE BOREHOLE PRESSURE FOR THE ANTICIPATED HDD PILOT HOLE WAS EVALUATED USING THE DELFT GEOTECHNICS EQUATION, AS PUBLISHED IN "RECOMMENDED GUIDELINES FOR INSTALLATION OF PIPELINES BENEATH LEVEES USING HORIZONTAL DIRECTIONAL DRILLING, APPENDIX B, CPAR-GL-98-1," BY THE PIPELINE RESEARCH COUNCIL INTERNATIONAL AND THE US ARMY CORPS OF ENGINEERS (1998), AND USING
  - THE APPROACH OUTLINED BY BENNETT, R.D., WALLIN, K., (2008). THIS EVALUATION IS PRELIMINARY BASED ON OUR ASSUMPTIONS AND SHOULD BE CHECKED FOLLOWING SELECTION OF DRILLING EQUIPMENT BY THE CONTRACTOR.

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	TC	Union Pacific Railroad	
	Checked by: DD	Project No. 61255162	Exhibit A-4
		Date 9/8/2025	

### Estimated Annular Drilling Fluid and Formation Limiting Pressures

#### Assumptions:

Drilling Fluid Weight (pcf)	74.8	Pilot Hole Diameter (in)	10
Pump Output (gpm)	100	Pilot Hole Drill Rod Diameter (in)	4.5
Plastic Viscosity (cP)	25	Formation Limiting Pressure Model	Cavity Expansion/NASTT
Yield Point (lb/100ft <sup>2</sup> )	30		

#### References

Bennett, David and Wallin, Kathryn. (2008). "Step By Step Evaluation of Hydrofracture Risks for HDD Projects". NASTT No-Dig Conference and Exhibition.  
 Ariaratnam, Samuel T., Stauber, R. and Harbin, Bruce. (2004). "Modeling of Annular Pressures in Horizontal Directional Drilling". Proceedings of IPC 2004 International Pipeline Conference.  
 Baroid. (1997). "Drilling Fluids Handbook".  
 NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).

### Factor of Safety Against Drilling Fluid Loss

#### Assumptions:

Drilling Fluid Weight (pcf)	74.8	Pilot Hole Diameter (in)	10
Pump Output (gpm)	100	Pilot Hole Drill Rod Diameter (in)	4.5
Plastic Viscosity (cP)	25	Formation Limiting Pressure Model	Cavity Expansion/NASTT
Yield Point (lb/100ft <sup>2</sup> )	30		

#### References

Bennett, David and Wallin, Kathryn. (2008). "Step By Step Evaluation of Hydrofracture Risks for HDD Projects". NASTT No-Dig Conference and Exhibition.  
 Ariaratnam, Samuel T., Stauber, R. and Harbin, Bruce. (2004). "Modeling of Annular Pressures in Horizontal Directional Drilling". Proceedings of IPC 2004 International Pipeline Conference.  
 Baroid. (1997). "Drilling Fluids Handbook".  
 NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).



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DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY: TERRACON (RR)
ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	FL-153: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE VIA HDD TRENCHLESS METHODS	0	10/16/2025	RFR	JWD/DD	CHECKED BY: TERRACON (JD)
									PROJECT ENGR: ANDREW ASPULND
									SURVEYOR: ENSIGN
									ENGR MNGR: WILL RADFORD
									CONSTR MNGR: NA

SECTION: 32	T 11N	R 1E
ELEVATION: 4610.8 AT ENTRY		
LAT: LONG:		
SCALE: NA		

LINE NUMBER: FL-153
FACILITY: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE
TITLE: HDD TRENCHLESS CROSSING
DESCRIPTION: HDD PIPE STRESS & IR ANALYSIS ALIGNMENT 1
ADDRESS: 200 WEST NEAR 570 NORTH

CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
DRAWING NUMBER: ENB-P-FL153-MAP-001A		
SHEET: 7 OF 14	REVISION: 0	

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7: HDD Pipe Stress & IR Analysis.dwg - 10/14/2025 - 04:56am

### Settlement Estimation

Pipe Specification		HDD Bore Path			
Pipe Material	Steel Pipe	Segment	Curve Type	True Length	Unit
Outer Diameter	8.625 in	1	Tangent	50	ft
Wall Thickness	0.322 in	2	Vertical Curve	200	ft
Inner Diameter	7.981 in	3	Tangent	35	ft
Dimension Ratio	26.7857143	4	Vertical Curve	150	ft
		5	Tangent	50	ft
			Entry Angle	14	Degrees
			Exit Angle	11.1	Degrees
			Total Drill Length	485	ft

**Settlement Estimation of Bore Path**

Station	2+32	ft
Volume of the Annulus Per Unit of Bore Length	79	in <sup>2</sup>
Volume Loss Factor	0.33	
Settlement Trough Volume Per Unit of Bore Length	26	in <sup>2</sup>
Depth of Interest (Other than the Surface)	0	ft
Offset of the Desired Location from the Centerline of Bore Path	0	ft
Surface Settlement Above the Centerline of the Pipe (NASTT)	0.07	in
Settlement at the Desired Depth and Offset (New and O'Reilly)	0.04	in
Settlement Above the Centerline, at the Desired Depth (New and O'Reilly)	0.04	in
Surface Settlement Above the Centerline of the Pipe (New and O'Reilly)	0.04	in

**References**

NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).  
 Stein D. and Stein R. (2013). "Trenchless Technology for Installation of Cables and Pipelines- Horizontal Directional Drilling (HDD)" Prof. Dr. Ing. Stein and Partners GmbH.  
 New, B. M., and O'Reilly, M. P. (1991). "Tunnelling Induced Ground Movements, Predicting their Magnitude and Effects." Proc., 4th Conf. on Ground Movements and Structures.  
 Mair, R.J., Taylor, R.N., Bracegirdle, A. (1993). Subsurface Settlement Profiles Above Tunnels in Clay. Géotechnique 43, Issue 2.  
 Leach, G. (1984). "Pipeline Response to Tunnelling", British Gas Engineering Research Station.

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	DD	61255162	9/8/2025	A-4

NOTES FOR HYDRAULIC FRACTURING ANALYSIS PRESSURE CHART

- ALLOWABLE BOREHOLE PRESSURE FOR THE ANTICIPATED HDD PILOT HOLE WAS EVALUATED USING THE DELFT EQUATION. THIS EVALUATION IS PRELIMINARY BASED ON OUR ASSUMPTIONS AND SHOULD BE CHECKED FOLLOWING SELECTION OF DRILLING EQUIPMENT BY THE CONTRACTOR.
- ANALYSIS WAS BASED ON ENTRY ANGLE OF 14 DEGREES FROM HORIZONTAL, AND AN EXIT ANGLE OF 11 DEGREES FROM HORIZONTAL. A PILOT HOLE DIAMETER OF 10 INCHES, A DRILL ROD DIAMETER OF 4.5 INCHES, A MUD PUMP OUTPUT OF UP TO 100 GALLONS PER MINUTE, AND A MUD UNIT WEIGHT OF 75 PCF. CHANGES IN THE DRILLING FLUID PROPERTIES AND DRILLING EQUIPMENT WILL AFFECT THE ANALYSIS RESULTS.
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- ALL HDD DRILLING AND PIPELINE INSTALLATION SHOULD BE PERFORMED IN GENERAL ACCORDANCE WITH THE "NASTT HORIZONTAL DIRECTIONAL DRILLING (HDD) GOOD PRACTICES GUIDELINES", FOURTH EDITION (2017).
- AS INDICATED BY THE ALLOWABLE PRESSURE CURVES PRESENTED, THERE IS A HIGHER RISK FOR INADVERTENT FLUID RETURNS BETWEEN STATIONS 1+25 AND 4+75 AND NEAR THE HDD EXIT POINT (APPROXIMATELY STATION 4+75). THE HDD CONTRACTOR SHOULD USE ADDITIONAL CAUTION AND LIMIT DRILLING FLUID PRESSURES TO LESS THAN 50 PSI NEAR THE EXIT POINT. IF THE CONTRACTOR IS DRILLING IN ACCORDANCE WITH THE HORIZONTAL DIRECTIONAL DRILLING GOOD PRACTICES GUIDELINES, THE PRESSURE SHOULD BE SIMILAR TO THAT DEPICTED FOR THE "1 PSI PER JOINT" PLOT.
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### Estimated Annular Drilling Fluid and Formation Limiting Pressures

**Assumptions:**

Drilling Fluid Weight (pcf)	74.8	Pilot Hole Diameter (in)	10
Pump Output (gpm)	100	Pilot Hole Drill Rod Diameter (in)	4.5
Plastic Viscosity (cP)	25	Formation Limiting Pressure Model	Cavity Expansion/NASTT
Yield Point (lb/100ft <sup>2</sup> )	30		

**References**

Bennett, David and Wallin, Kathryn. (2008). "Step by Step Evaluation of Hydrofracture Risks for HDD Projects". NASTT No-Dig Conference and Exhibition.  
 Anirathnam, Samuel T., Stauber, R. and Harbin, Bruce. (2004). "Modeling of Annular Pressures in Horizontal Directional Drilling". Proceedings of IPC 2004 International Pipeline Conference.  
 Baroid. (1997). "Drilling Fluids Handbook".  
 NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).

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### Factor of Safety Against Drilling Fluid Loss

**Assumptions:**

Drilling Fluid Weight (pcf)	74.8	Pilot Hole Diameter (in)	10
Pump Output (gpm)	100	Pilot Hole Drill Rod Diameter (in)	4.5
Plastic Viscosity (cP)	25	Formation Limiting Pressure Model	Cavity Expansion/NASTT
Yield Point (lb/100ft <sup>2</sup> )	30		

**References**

Bennett, David and Wallin, Kathryn. (2008). "Step by Step Evaluation of Hydrofracture Risks for HDD Projects". NASTT No-Dig Conference and Exhibition.  
 Anirathnam, Samuel T., Stauber, R. and Harbin, Bruce. (2004). "Modeling of Annular Pressures in Horizontal Directional Drilling". Proceedings of IPC 2004 International Pipeline Conference.  
 Baroid. (1997). "Drilling Fluids Handbook".  
 NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).

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ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	FL-153: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE VIA HDD TRENCHLESS METHODS	0	10/16/2025	RFR	JWD/DD	CHECKED BY: TERRACON (JD)
									PROJECT ENGR: ANDREW ASPULND
									SURVEYOR: ENSIGN
									ENGR MNGR: WILL RADFORD
									CONSTR MNGR: NA
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LAT: SCALE: NA									

8 HDD Pipe Stress & IR Analysis.dwg - 10/14/2025 - 04:56am

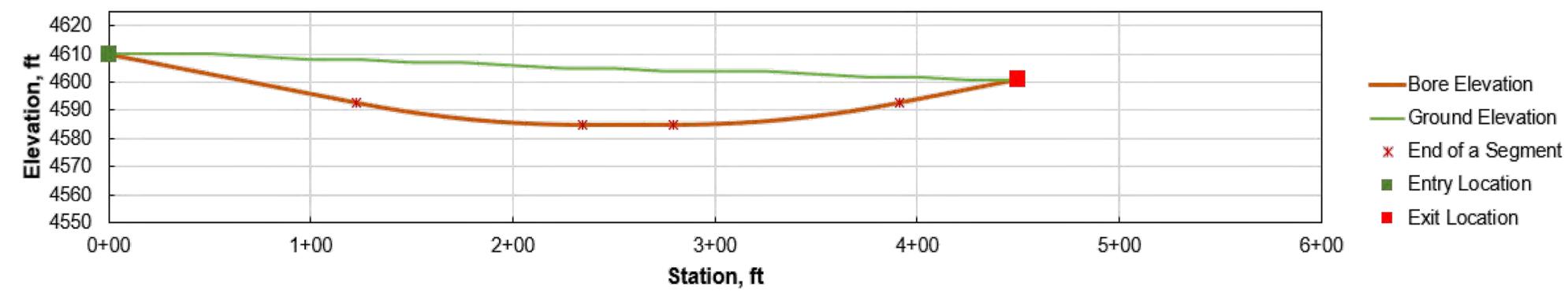
**Design Calculations for Pullback Force**

**Pipe Specification**

Pipe Material	Steel Pipe
Outer Diameter	8.625 in
Wall Thickness	0.322 in
Inner Diameter	7.981 in
Dimension Ratio	26.785714
Safe Pulling Tensile Stress	46800 psi
Allowable Bending Stress	39000 psi
Allowable Hoop Stress	65372 psi
Pipe Ballast Status	No ballast

**HDD Bore Path**

Segment	Curve Type	True Length	Unit	Entry Angle	Exit Angle
1	Tangent	60	ft	8 Degrees	
2	Vertical Curve	110	ft		7.8 Degrees
3	Tangent	45	ft		
4	Vertical Curve	110	ft		
5	Tangent	125	ft		
		<b>Total Drill Length</b>	<b>450</b>	<b>ft</b>	



**Results of Pipe Stress Analysis**

Point	Tensile Load (lb)	Startup Load (lb)	Axial Stress (psi)	Status	Bending Stress (psi)	Hoop Stress (psi)	Combined Axial and Bending Stress Ratio	Status	Combined Axial, Bending and Hoop Stress Ratio	Status
A (Start of Pullback)	1261	2521	300	OK	0	0	0.01	OK	0.00	OK
B (End of Segment 5)	1333	2666	317	OK	0	125	0.01	OK	0.00	OK
C (End of Segment 4)	1600	3199	381	OK	13027	176	0.35	OK	0.10	OK
D (End of Segment 3)	1764	3528	420	OK	0	175	0.01	OK	0.00	OK
E (End of Segment 2)	2135	4269	508	OK	13027	121	0.35	OK	0.11	OK
F (End of Segment 1)	2384	4768	568	OK	0	63	0.02	OK	0.00	OK

**Summary of Pipe Stress Analysis**

Evaluated Aspect	Value	Unit*	Status
Pull Force	4768	lbf	OK
Pull Stress	568	psi	OK
Bending Stress	13027	psi	OK
Hoop Stress	176	psi	OK
Combine tensile and bending stress	0.350		OK
Combine tensile, bending and hoop stress	0.105		OK

\*D stands for outer diameter of the product pipe

**References**

NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).  
 Stein D, and Stein R. (2013). "Trenchless Technology for Installation of Cables and Pipelines- Horizontal Directional Drilling (HDD)" Prof. Dr.-Ing. Stein and Partners GmbH.

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ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	FL-153: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE VIA HDD TRENCHLESS METHODS	0	ISSUED FOR CONSTRUCTION	10/16/2025	RFR	JWD/DD	TERRACON (RR)	TERRACON (JD)	ANDREW ASPULND	ENSIGN	WILL RADFORD	NA

			SECTION: 32	T 11N	R 1E
ELEVATION: 4610.8 AT ENTRY			CITY HYRUM		
SCALE: NA			COUNTY CACHE		
STATE UTAH			DRAWING NUMBER		
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9\_HDD\_Pull\_Back\_Calculations.dwg - 10/14/2025 - 05:04am

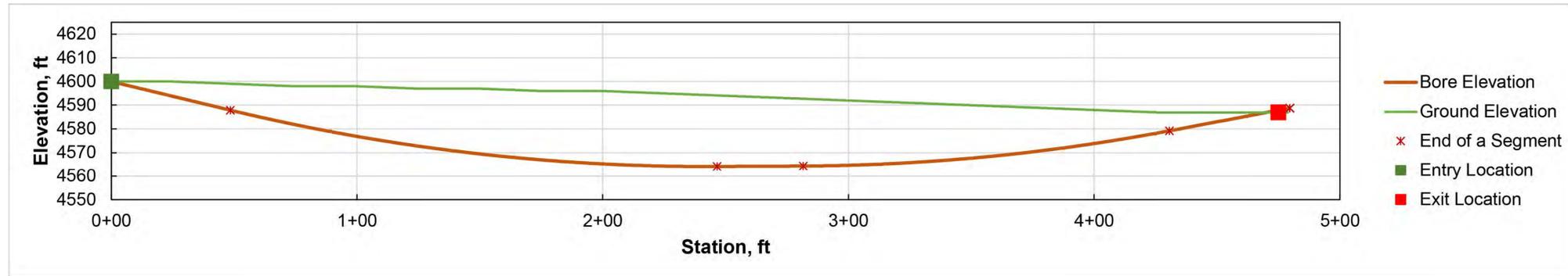
**Design Calculations for Pullback Force**

**Pipe Specification**

Pipe Material	Steel Pipe
Outer Diameter	8.625 in
Wall Thickness	0.322 in
Inner Diameter	7.981 in
Dimension Ratio	26.785714
Safe Pulling Tensile Stress	46800 psi
Allowable Bending Stress	39000 psi
Allowable Hoop Stress	65372 psi
Pipe Ballast Status	No ballast

**HDD Bore Path**

Segment	Curve Type	True Length	Unit	Entry Angle	Exit Angle
1	Tangent	50	ft	14	Degrees
2	Vertical Curve	200	ft	11.1	Degrees
3	Tangent	35	ft		
4	Vertical Curve	150	ft		
5	Tangent	50	ft		
		<b>Total Drill Length</b>	<b>485</b>	<b>ft</b>	



**Results of Pipe Stress Analysis**

Point	Tensile Load (lb)	Startup Load (lb)	Axial Stress (psi)	Status	Bending Stress (psi)	Hoop Stress (psi)	Combined Axial and Bending Stress Ratio	Status	Combined Axial, Bending and Hoop Stress Ratio	Status
A (Start of Pullback)	1343	2687	320	OK	0	0	0.01	OK	0.00	OK
B (End of Segment 5)	1376	2751	328	OK	0	145	0.01	OK	0.00	OK
C (End of Segment 4)	2111	4221	503	OK	13027	249	0.35	OK	0.10	OK
D (End of Segment 3)	2410	4821	574	OK	0	250	0.02	OK	0.00	OK
E (End of Segment 2)	5678	11357	1352	OK	13027	84	0.38	OK	0.12	OK
F (End of Segment 1)	6177	12353	1471	OK	0	0	0.05	OK	0.00	OK

**Summary of Pipe Stress Analysis**

Evaluated Aspect	Value	Unit*	Status
Pull Force	12353	lbf	OK
Pull Stress	1471	psi	OK
Bending Stress	13027	psi	OK
Hoop Stress	250	psi	OK
Combine tensile and bending stress	0.377		N/A
Combine tensile, bending and hoop stress	0.119		N/A

\*D stands for outer diameter of the product pipe

**References**

NASTT's "Horizontal Directional Drilling (HDD) Good Practices Guidelines", 4th Edition, by The HDD Consortium (2017).  
 Stein D, and Stein R. (2013). "Trenchless Technology for Installation of Cables and Pipelines- Horizontal Directional Drilling (HDD)" Prof. Dr.-Ing. Stein and Partners GmbH.



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10 HDD Pull Back Calculations.dwg - 10/14/2025 - 04:54am

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD						
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:	PROJECT ENGR:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:
ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	FL-153: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE VIA HDD TRENCHLESS METHODS	0	10/16/2025	RFR	JWD/DD	TERRACON (RR)	TERRACON (JD)	ANDREW ASPULND	ENSIGN	WILL RADFORD	NA

		LINE NUMBER:	FL-153
		FACILITY:	INSTALL 450 LF & 475 LF OF 8" STEEL PIPE
		TITLE:	HDD TRENCHLESS CROSSING
		DESCRIPTION:	HDD PULL BACK CALCULATIONS ALIGNMENT 2
		ADDRESS:	200 WEST NEAR 570 NORTH
SECTION: 32	T 11N	R 1E	
ELEVATION: 4610.8 AT ENTRY		CITY:	HYRUM
LAT: LONG:		COUNTY:	CACHE
SCALE: NA		STATE:	UTAH
		DRAWING NUMBER:	ENB-P-FL153-MAP-001A
		SHEET:	10 OF 14
		REVISION:	0

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FL-153 Trenchless Crossing  
Near 570 North and 200 West  
Hyrum, Utah  
Terracon Proposal No. 61255162



### General Notes

Sampling	Water Level	Field Tests
Modified California Ring Sampler Modified Dames & Moore Ring Sampler Shelby Tube Standard Penetration Test	Water Initially Encountered Water Level After a Specified Period of Time Water Level After a Specified Period of Time Cave In Encountered <p>Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.</p>	N Standard Penetration Test Resistance (Blows/Ft.) (HP) Hand Penetrometer (T) Torvane (DCP) Dynamic Cone Penetrometer UC Unconfined Compressive Strength (PID) Photo-Ionization Detector (OVA) Organic Vapor Analyzer

**Descriptive Soil Classification**

Soil classification as noted on the soil boring logs is based Unified Soil Classification System. Where sufficient laboratory data exist to classify the soils consistent with ASTM D2487 "Classification of Soils for Engineering Purposes" this procedure is used. ASTM D2488 "Description and Identification of Soils (Visual-Manual Procedure)" is also used to classify the soils, particularly where insufficient laboratory data exist to classify the soils in accordance with ASTM D2487. In addition to USCS classification, coarse grained soils are classified on the basis of their in-place relative density, and fine-grained soils are classified on the basis of their consistency. See "Strength Terms" table below for details. The ASTM standards noted above are for reference to methodology in general. In some cases, variations to methods are applied as a result of local practice or professional judgment.

**Location And Elevation Notes**

Exploration point locations as shown on the Exploration Plan and as noted on the soil boring logs in the form of Latitude and Longitude are approximate. See Exploration and Testing Procedures in the report for the methods used to locate the exploration points for this project. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

Strength Terms						
Relative Density of Coarse-Grained Soils (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance			Consistency of Fine-Grained Soils (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance			
Relative Density	Standard Penetration or N-Value (Blows/Ft.)	Ring Sampler (Blows/Ft.)	Consistency	Unconfined Compressive Strength Qu (tsf)	Standard Penetration or N-Value (Blows/Ft.)	Ring Sampler (Blows/Ft.)
Very Loose	0 - 3	0 - 6	Very Soft	less than 0.25	0 - 1	< 3
Loose	4 - 9	7 - 18	Soft	0.25 to 0.50	2 - 4	3 - 4
Medium Dense	10 - 29	19 - 58	Medium Stiff	0.50 to 1.00	4 - 8	5 - 9
Dense	30 - 50	59 - 98	Stiff	1.00 to 2.00	8 - 15	10 - 18
Very Dense	> 50	> 99	Very Stiff	2.00 to 4.00	15 - 30	19 - 42
			Hard	> 4.00	> 30	> 42

**Relevance of Exploration and Laboratory Test Results**

Exploration/field results and/or laboratory test data contained within this document are intended for application to the project as described in this document. Use of such exploration/field results and/or laboratory test data should not be used independently of this document.

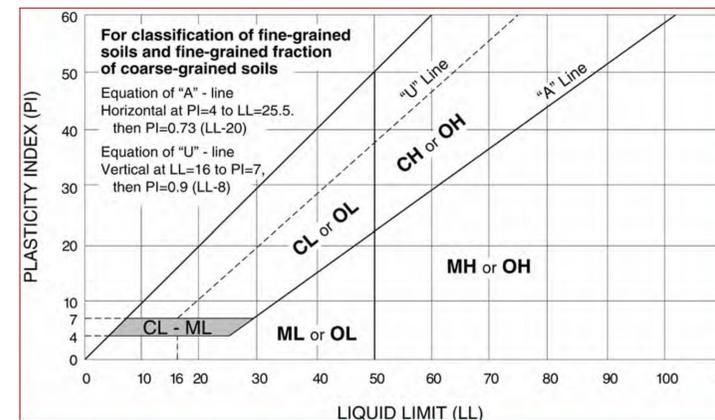
Facilities | Environmental | Geotechnical | Materials

FL-153 Trenchless Crossing  
Near 570 North and 200 West  
Hyrum, Utah  
Terracon Proposal No. 61255162



Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests <sup>A</sup>				Soil Classification	
				Group Symbol	Group Name <sup>B</sup>
<b>Coarse-Grained Soils:</b> More than 50% retained on No. 200 sieve	<b>Gravels:</b> More than 50% of coarse fraction retained on No. 4 sieve	<b>Clean Gravels:</b> Less than 5% fines <sup>C</sup>	Cu ≥ 4 and 1 ≤ Cc ≤ 3 <sup>E</sup>	GW	Well-graded gravel <sup>F</sup>
		<b>Gravels with Fines:</b> More than 12% fines <sup>C</sup>	Cu < 4 and/or [Cc < 1 or Cc > 3.0] <sup>E</sup>	GP	Poorly graded gravel <sup>F</sup>
			Fines classify as ML or MH	GM	Silty gravel <sup>F, G, H</sup>
	<b>Sands:</b> 50% or more of coarse fraction passes No. 4 sieve	<b>Clean Sands:</b> Less than 5% fines <sup>D</sup>	Cu ≥ 6 and 1 ≤ Cc ≤ 3 <sup>E</sup>	SW	Well-graded sand <sup>I</sup>
			Cu < 6 and/or [Cc < 1 or Cc > 3.0] <sup>E</sup>	SP	Poorly graded sand <sup>I</sup>
		<b>Sands with Fines:</b> More than 12% fines <sup>D</sup>	Fines classify as ML or MH	SM	Silty sand <sup>G, H, I</sup>
<b>Fine-Grained Soils:</b> 50% or more passes the No. 200 sieve	<b>Silts and Clays:</b> Liquid limit less than 50	<b>Inorganic:</b>	PI > 7 and plots above "A" line <sup>J</sup>	CL	Lean clay <sup>K, L, M</sup>
			PI < 4 or plots below "A" line <sup>J</sup>	ML	Silt <sup>K, L, M</sup>
	<b>Organic:</b>	$\frac{LL_{oven\ dried}}{LL_{not\ dried}} < 0.75$	OL	Organic clay <sup>K, L, M, N</sup>	
		PI plots on or above "A" line	CH	Fat clay <sup>K, L, M</sup>	
	<b>Silts and Clays:</b> Liquid limit 50 or more	<b>Inorganic:</b>	PI plots below "A" line	MH	Elastic silt <sup>K, L, M</sup>
			$\frac{LL_{oven\ dried}}{LL_{not\ dried}} < 0.75$	OH	Organic silt <sup>K, L, M, P</sup>
<b>Highly organic soils:</b>	Primarily organic matter, dark in color, and organic odor			PT	Peat

- <sup>A</sup> Based on the material passing the 3-inch (75-mm) sieve.
- <sup>B</sup> If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.
- <sup>C</sup> Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.
- <sup>D</sup> Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.
- <sup>E</sup>  $Cu = D_{60}/D_{10}$      $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$
- <sup>F</sup> If soil contains ≥ 15% sand, add "with sand" to group name.
- <sup>G</sup> If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.
- <sup>H</sup> If fines are organic, add "with organic fines" to group name.
- <sup>I</sup> If soil contains ≥ 15% gravel, add "with gravel" to group name.
- <sup>J</sup> If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.
- <sup>K</sup> If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.
- <sup>L</sup> If soil contains ≥ 30% plus No. 200 predominantly sand, add "sandy" to group name.
- <sup>M</sup> If soil contains ≥ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.
- <sup>N</sup> PI ≥ 4 and plots on or above "A" line.
- <sup>O</sup> PI < 4 or plots below "A" line.
- <sup>P</sup> PI plots on or above "A" line.
- <sup>Q</sup> PI plots below "A" line.



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811 or 1-800-662-4111

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD	
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY: TERRACON (RR)
ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	FL-153: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE VIA HDD TRENCHLESS METHODS	0	10/16/2025	RFR	JWD/DD	CHECKED BY: TERRACON (JD)
									PROJECT ENGR: ANDREW ASPULND
									SURVEYOR: ENSIGN
									ENGR MNGR: WILL RADFORD
									CONSTR MNGR: NA

			LINE NUMBER: FL-153 FACILITY: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE TITLE: HDD TRENCHLESS CROSSING DESCRIPTION: BORE LOG KEYS ADDRESS: 200 WEST NEAR 570 NORTH
SECTION: 32	T 11N	R 1E	CITY: HYRUM
ELEVATION: 4610.8 AT ENTRY	COUNTY: CACHE		STATE: UTAH
LAT: _____	DRAWING NUMBER: ENB-P-FL153-MAP-001A		SHEET: 11 OF 14
LONG: _____	REVISION: 0		
SCALE: NA			

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11 Bore Log Keys.dwg - 10/14/2025 - 04:54pm

Hyrum - FL-153 HDD  
4687-4699 S 1200 W | Hyrum, UT  
Terracon Project No. 61255162



### Boring Log No. B-01

Model Layer	Graphic Log	Location: See Exploration Plan	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)	Atterberg Limits	Percent Fines
		Latitude: 41.6445° Longitude: -111.8610°							LL-PL-PI	
		Elevation: 4601 (Ft.)								
1	ASPHALT, approximately 3.5 inches thick	4600.71								
2	AGGREGATE BASE COURSE, approximately 2 feet thick	4598.71								
3	SILTY CLAY (CL-ML), dark brown, medium stiff	5.0			21	2-3-2-2 N=5				
4	SILTY CLAY (CL-ML), dark brown to light brown, very soft, trace oxidation stains	7.5			23	1-0-0-0 N=0				
5	POORLY GRADED SAND WITH CLAY (SP-SC), light brown to dark brown, loose	10			22					
	light gray	16			16	1-3-3-5 N=6	28.0	NP	55.0	
4	SILTY CLAY WITH SAND (CL-ML), dark gray to dark brown, soft, trace oxidation stains	15			21	2-0-2-2 N=2				
	SILTY CLAY (CL-ML), dark gray, medium stiff to stiff	20			22	2-2-4-5 PP = 1.0 tsf				
	trace oxidation staining	25			20	PP = 1.5 tsf	31.7	NP	81.0	
		30			23	6-6-7-7 PP = 0.75 tsf				
5	POORLY GRADED SAND (SP), dark gray	32.5								

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).  
See Supporting Information for explanation of symbols and abbreviations.  
Elevation Reference: Elevations obtained using Google Earth

**Water Level Observations**  
5' observed while drilling

**Drill Rig**  
Geoprobe 3100 GT

**Hammer Type**  
Automatic

**Driller**  
Terracon

**Logged by**  
ACL

**Boring Started**  
08-28-2025

**Boring Completed**  
08-27-2025

**Notes**

**Advancement Method**  
Mud Rotary

**Abandonment Method**  
Boring backfilled with bentonite upon completion and asphalt core utilibonded

Facilities | Environmental | Geotechnical | Materials

Hyrum - FL-153 HDD  
4687-4699 S 1200 W | Hyrum, UT  
Terracon Project No. 61255162



### Boring Log No. B-01

Model Layer	Graphic Log	Location: See Exploration Plan	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)	Atterberg Limits	Percent Fines
		Latitude: 41.6445° Longitude: -111.8610°							LL-PL-PI	
		Elevation: 4601 (Ft.)								
5	POORLY GRADED SAND (SP), dark gray (continued)	35			8	PP = 1.5 tsf	31.3			86.5
	SILTY CLAY (CL-ML), dark gray, soft to medium stiff	40			24	3-1-3-1 N=4				
	FAT CLAY (CH), dark gray, very soft, trace black mottling, trace oxidation staining	45			24	0-0-2-5 PP = 0.25 tsf	34.2			99.6
		50			22	PP = 0.75 tsf				
	SILTY CLAY (CL-ML), dark gray, medium stiff, trace black mottling	55			24	3-4-5-6 PP = 0.5 tsf				
	POORLY GRADED SAND WITH CLAY (SP-SC), dark brownish gray, medium dense	60			24	6-11-12-15 PP = 0.75 tsf				
	LEAN CLAY (CL), dark gray, soft, trace black mottling	65			24	0-0-3-3 N=3				
Boring Terminated at 65.5 Feet										

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).  
See Supporting Information for explanation of symbols and abbreviations.  
Elevation Reference: Elevations obtained using Google Earth

**Water Level Observations**  
5' observed while drilling

**Drill Rig**  
Geoprobe 3100 GT

**Hammer Type**  
Automatic

**Driller**  
Terracon

**Logged by**  
ACL

**Boring Started**  
08-28-2025

**Boring Completed**  
08-27-2025

**Notes**

**Advancement Method**  
Mud Rotary

**Abandonment Method**  
Boring backfilled with bentonite upon completion and asphalt core utilibonded

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REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD		LINE NUMBER:				
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	TERRACON (RR)	FL-153			
ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	0	ISSUED FOR CONSTRUCTION	10/16/2025	RFR	JWD/DD	CHECKED BY:	TERRACON (JD)	INSTALL 450 LF & 475 LF OF 8" STEEL PIPE			
									PROJECT ENGR:	ANDREW ASPULND	HDD TRENCHLESS CROSSING			
									SURVEYOR:	ENSIGN	BORE LOGS			
									ENGR MNGR:	WILL RADFORD	200 WEST NEAR 570 NORTH			
									CONSTR MNGR:	NA				
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										ELEVATION: 4610.8 AT ENTRY	CITY: HYRUM	COUNTY: CACHE	STATE: UTAH	
										LAT: _____	DRAWING NUMBER		SHEET	REVISION
										SCALE: NA	ENB-P-FL153-MAP-001A		12 OF 14	0

12 Bore Log.dwg - 10/14/2025 - 04:53pm



Hyrum - FL-153 HDD  
 4687-4699 S 1200 W | Hyrum, UT  
 Terracon Project No. 61255162



### Boring Log No. B-03

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 41.6464° Longitude: -111.8609°	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)	Atterberg Limits	
									LL-PL-PI	Percent Fines
1	ASPHALT, approximately 3.75 inches thick	Depth (Ft.) Elevation: 4583 (Ft.) 0.3 4582.69								
3	SANDY SILT WITH GRAVEL (ML), light tan to gray, medium stiff to stiff									
			4.5			16	7-5-5-8 N=10			
	SILTY CLAY (CL-ML), light tan to gray, medium stiff to stiff, trace sand		5			22	1-2-2-5 N=4	28.7	28-21-7	89.8
						16	3-4-5-6 N=9			
			10			16	3-3-4-5 N=7			
	SANDY LEAN CLAY (CL), light tan to gray, medium stiff to stiff	Depth (Ft.) Elevation: 4570.5 12.5								
	with oxidation staining		15			22	3-3-3-4 N=6	28.1		72.7
	LEAN CLAY (CL), gray, very soft to stiff	Depth (Ft.) Elevation: 4565.5 17.5								
			20			23	1-2-2-2 N=4			
			25			18	3-5-5-5 PP = 0.75 tsf			
			30			24	0-0-0-1 N=0	37.0	48-19-29	99.2
			66.0							
5	SILTY SAND (SM), light brown, very dense	Depth (Ft.) Elevation: 4516 67.0								

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).  
 See Supporting Information for explanation of symbols and abbreviations.  
 Elevation Reference: Elevations obtained using Google Earth

**Water Level Observations**  
 Groundwater not observed while drilling

**Drill Rig**  
 CME 55

**Hammer Type**  
 Automatic

**Driller**  
 South Slopes

**Logged by**  
 VH

**Boring Started**  
 08-14-2025

**Boring Completed**  
 08-14-2025

**Notes**

**Advancement Method**  
 Mud Rotary

**Abandonment Method**  
 Boring backfilled with bentonite grout upon completion. Asphalt core patched with utilibond.

Facilities | Environmental | Geotechnical | Materials

Hyrum - FL-153 HDD  
 4687-4699 S 1200 W | Hyrum, UT  
 Terracon Project No. 61255162



### Boring Log No. B-03

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 41.6464° Longitude: -111.8609°	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Water Content (%)	Atterberg Limits	
									LL-PL-PI	Percent Fines
	LEAN CLAY (CL), gray, very soft to stiff (continued)		35			18	0-2-3 PP = 0.5 tsf			
			40			24	PP = 2.75 tsf	34.8		99.5
	with trace sand seams		45			24	0-2-2-4 N=4			
			50			24	0-2-2-2 N=4			
			55			24	1-2-2-3 N=4			
			60			24	2-3-4-3 N=7			
			65			24	14-25-34-26 N=59			
			66.0							
5	SILTY SAND (SM), light brown, very dense	Depth (Ft.) Elevation: 4516 67.0								

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).  
 See Supporting Information for explanation of symbols and abbreviations.  
 Elevation Reference: Elevations obtained using Google Earth

**Water Level Observations**  
 Groundwater not observed while drilling

**Drill Rig**  
 CME 55

**Hammer Type**  
 Automatic

**Driller**  
 South Slopes

**Logged by**  
 VH

**Boring Started**  
 08-14-2025

**Boring Completed**  
 08-14-2025

**Notes**

**Advancement Method**  
 Mud Rotary

**Abandonment Method**  
 Boring backfilled with bentonite grout upon completion. Asphalt core patched with utilibond.

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REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD	
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY: TERRACON (RR)
ENB-P-FL153-MAP-001	0	8" HP TAPLINE FROM HY0003	100988.86	FL-153: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE VIA HDD TRENCHLESS METHODS	0	10/16/2025	RFR	JWD/DD	CHECKED BY: TERRACON (JD)
									PROJECT ENGR: ANDREW ASPULND
									SURVEYOR: ENSIGN
									ENGR MNGR: WILL RADFORD
									CONSTR MNGR: NA

SECTION: 32	T 11N	R 1E
ELEVATION: 4610.8 AT ENTRY		
LAT:	LONG:	
SCALE: NA		

LINE NUMBER: FL-153	
FACILITY: INSTALL 450 LF & 475 LF OF 8" STEEL PIPE	
TITLE: HDD TRENCHLESS CROSSING	
DESCRIPTION: BORE LOGS	
ADDRESS: 200 WEST NEAR 570 NORTH	

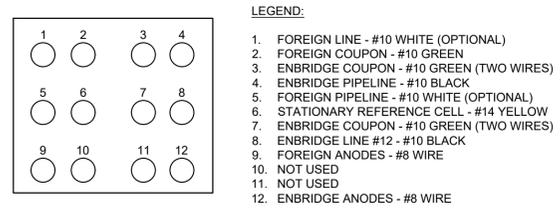
CITY: HYRUM	COUNTY: CACHE	STATE: UTAH
DRAWING NUMBER: ENB-P-FL153-MAP-001A		SHEET: 14 OF 14
		REVISION: 0

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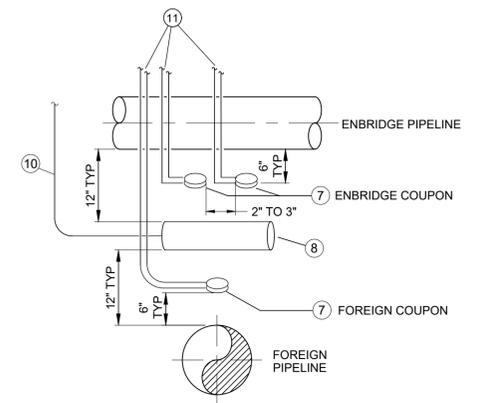


**MATERIAL LIST**

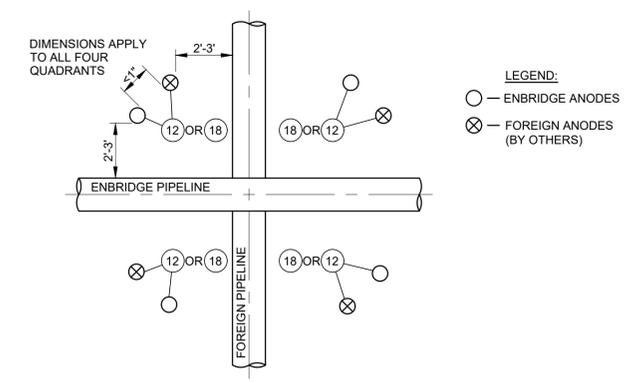
ITEM	REQ.	SIZE	DESCRIPTION	WH#
1	1	N/A	TEST STATION, 12 TERMINAL TESTOX TEST STATION HEAD	Q3901275
2	1	3" DIA	TEST STATION, 3" x 6'-0" COTT YELLOW CONDUIT PIPE MODEL 07-11306	Q3901276
3	1	N/A	POST MARKER 7'-0" POWDER COATED ALL SAFETY YELLOW	Q5314601
4	1	N/A	SIGN TRAPEZOID DEUM WARNING GAS PIPELINE	Q5621031
5	AS REQ	#10	WIRE, DIRECT BURIAL, CABLE AWG #10 SOLID WIRE THHN/THWN, BLACK - 500 FT SPOOL	Q6135010
6	2	N/A	FUSION CARTRIDGE, CADWELD MODEL CA-15	Q3504020
7	3	N/A	COUPON, MC MILLER R-FREE 10CM2 COUPON WITH TWIN #12 AWG STRANDED 25-FT GREEN THHN LEAD WIRES, MODEL COU100	Q3901272
8	AS REQ	N/A	REFERENCE CELL, BORIN STELTH 2 WITH 50-FT #14 AWG RH+RHW STRANDED YELLOW WIRE, MODEL SRE-007-CJY	Q3901270
9	AS REQ	#10	WIRE, DIRECT BURIAL, CABLE AWG #10 SOLID WIRE THHN/THWN, WHITE- 500 FT SPOOL	Q6135011
10	AS REQ	#14	WIRE, DIRECT BURIAL, CABLE AWG #14 SOLID WIRE THHN/THWN, YELLOW- 500 FT SPOOL	Q6135008
11	AS REQ	#10	WIRE, DIRECT BURIAL, CABLE AWG #10 STRANDED WIRE THHN/THWN, GREEN - 500 FT SPOOL	Q3923105
12	NOTE 1	17 LB	ANODE, 17LB HIGH POTENTIAL MAGNESIUM (ASTM-B843 MTC ALLOY) PACKAGED IN COTTON BAG WITH 75% GYPSUM, 20% BENTONITE, & 5% SODIUM SULPHATE BACKFILL, MODEL 17D3 WITH A 10-FOOT SOLID #12 AWG BLACK THWN/THNN WIRE	Q3900200
13	1	N/A	SHUNT, 0.01 OHM YEL LOW COTT MODEL 08-12002	Q3901277
14	AS REQ	#8	WIRE, DIRECT BURIAL, CABLE AWG #8 STRANDED WIRE HMWPE, Black - 500 FT OR 1000-FT SPOOL	Q6135020 OR Q6135022
15	1	N/A	TAPE, 3M SCOTCH 130C LINERLESS RUBBER SPLICING TAPE, 1"X30' ROLL	Q5703010
16	1	N/A	TAPE, 3M SCOTCH SUPER 88 VINYL ELECTRICAL TAPE, 1"X36 YARD ROLL	Q3918800
17	2	N/A	COMPRESSION CONNECTION, BURNDY TYPE YC MODEL YC26C2	Q3901250
18	NOTE 1	32 LB	ANODE, 32LB HIGH POTENTIAL MAGNESIUM (ASTM-B843 MTC ALLOY) PACKAGED IN COTTON BAG WITH 75% GYPSUM, 20% BENTONITE, & 5% SODIUM SULPHATE BACKFILL, MODEL 32D5 WITH A 10-FOOT SOLID #12 AWG BLACK THWN/THNN WIRE	42420065



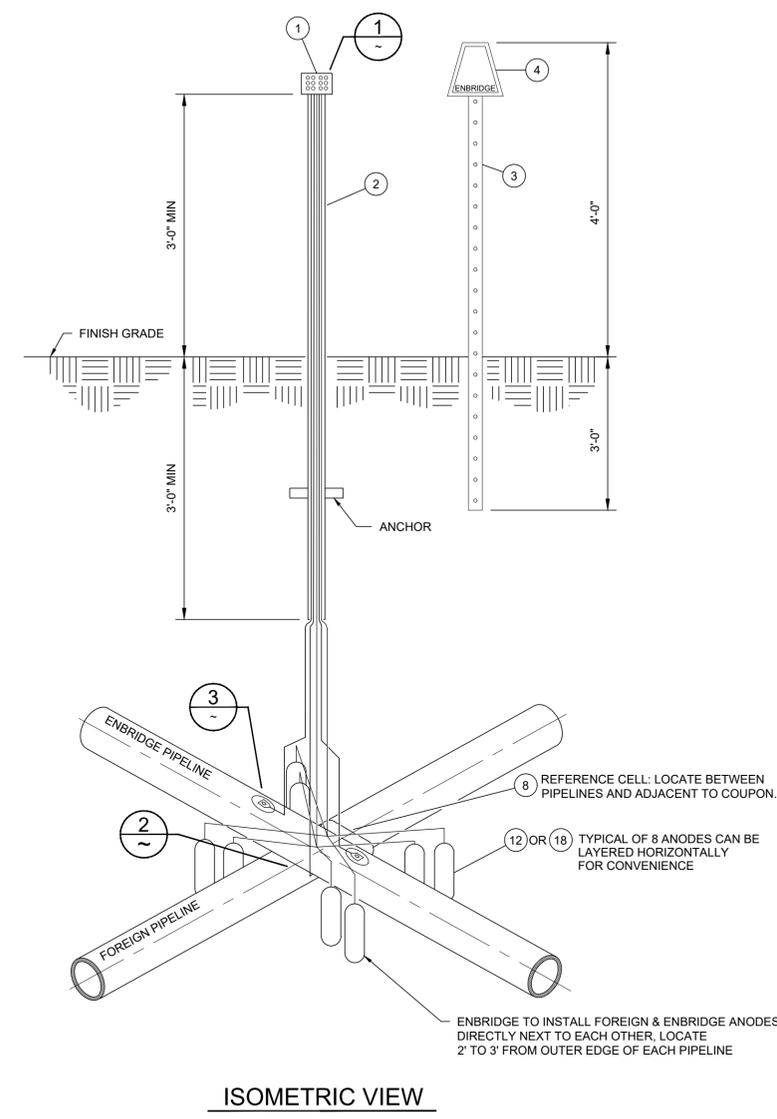
**TEST HEAD TERMINATIONS** (1)  
ENBRIDGE GAS TECHNICIAN TO CONNECT WIRES TO TERMINALS NOTE 8 & 9



**COUPONS & REFERENCE CELL DETAIL** (2)  
AREA BETWEEN PIPELINES NOTE 5



**ANODE CONFIGURATION DETAIL** (3)  
PLAN VIEW - ENBRIDGE AND FOREIGN ANODES NOTE 4



**ISOMETRIC VIEW**

**NOTES**

**CONTRACTOR:**

- ACTUAL NUMBER OF ANODES AND SIZE VARIES BY DESIGN
- INSTALL PER ENBRIDGE STANDARD PRACTICES:
  - 7-00-01 - GENERAL CORROSION CONTROL PROCEDURES
  - 7-10-01 - DESIGNING CATHODIC SYSTEMS
  - 7-10-02 - CADWELD AND CADWELD PLUS PROCEDURE
  - 7-20-01 - INSTALLING GALVANIC ANODES FOR CATHODIC PROTECTION OF BURIED PIPELINES
  - 7-40-03 - TESTING FOR AND MITIGATING DC INTERFERENCE ON PIPELINES
  - 2-13-10 - SURFACE PREPARATION AND PROTECTIVE COATINGS FOR BURIED PIPELINE SYSTEMS
- ABOVE GRADE MATERIALS TO BE INSTALLED OUTSIDE HARD SURFACE OF ROAD.
  - SEE ENB-STD-COR-COR-002 DETAIL 3 FOR PLACING CABLES IN CONDUIT WHEN TEST STATION IS PLACED 5- FEET OR MORE AWAY FROM THE PIPELINE.
- ANODE INSTALLATION:
  - ATTACH ANODE GROUPS (FOUR PER PIPELINE) AS SHOWN IN ENB-STD- COR-COR-002 DETAIL 5.
  - ANODES INCLUDE AN ATTACHED LEAD WIRE USED FOR INSTALLATION.
  - REMOVE ANODE FROM PLASTIC PACKAGING BEFORE INSTALLATION.
  - ENSURE ANODES ARE NOT IN CONTACT WITH ANY OTHER BELOW GRADE STRUCTURES.
  - SATURATE EACH ANODE WITH A MINIMUM OF FIVE GALLONS OF WATER AFTER BACKFILLING AND COMPACTION 6" ABOVE ANODE.
  - WHEN POSSIBLE; PLACE ANODES WITHIN MOIST LOAM AND CLAY SOIL. AVOID PLACEMENT OF ANODES WITHIN DRY SAND AND DO NOT PLACE WITHIN GRAVEL.
- COUPONS AND REFERENCE CELL INSTALLATION:
  - COUPONS INCLUDE AN ATTACHED LEAD WIRE; ADDITIONAL LEAD WIRE MAY BE REQUIRED AS COVERED WITHIN ITEM 11 WITHIN THE MATERIAL LIST.
  - REMOVE REFERENCE CELL FROM PACKAGING; SATURATE EACH REFERENCE CELL WITH A MINIMUM OF FIVE GALLONS OF WATER BEFORE BACKFILLING.
  - COUPONS ARE TO BE INSTALLED A MINIMUM OF 12" FROM THE PIPELINE AND 6" FROM REFERENCE CELL.
  - BACKFILL WITH 1" MINUS SOIL AND PACK NATIVE SOIL A MINIMUM OF 6" AROUND COUPONS AND THE REFERENCE CELL TO ENSURE ACCURATE READINGS.
  - REFERENCE CELLS TO BE INSTALLED WITH A MINIMUM OF 6" VERTICAL DISTANCE FROM PIPELINE

**ENBRIDGE CORROSION TECHNICIAN:**

- CONTACT FOREIGN PIPELINE TO COORDINATE PROJECT.
- CREATE A PREVENTATIVE MAINTENANCE (PM) REPORT WITHIN THE DOT SYSTEM FOR COMMISSIONING.
- INSTALL AND LABEL EACH WIRE WITHIN THE TEST STATION.
- INSTALL SHUNT WITHIN TEST STATION HEAD.

**ISSUED FOR CONSTRUCTION**

REFERENCE DRAWINGS			WORK ORDERS		REVISIONS				ENGINEERING RECORD		
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	PHH
ENB-STD-COR-COR-002	2	STANDARD CORROSION DETAILS			0	ISSUED FOR CONSTRUCTION - SUPERSEDES QGC-STD-COR-COR-009	5/21/2018	KJK	PHH	CHECKED BY: J. BERG	
					1	UPDATED NOTES AND MATERIAL LIST	04/06/21	PHH	EN	PROJECT ENGR: K. HOFFMANN	
					2	GENERAL UPDATES	04/06/22	PHH	KH	SURVEYOR: N/A	
					3	SUPERSEDES DE-STD-COR-COR-009 - ISSUED FOR CONSTRUCTION	03/03/2025	BJP	DGB	ENGR MNGR: K. COWAN	
										CONSTR MNGR: J. FOX	
										MEAS & CTRLS:	
										AUTOM ENGR:	

**ENBRIDGE**

SECTION: N/A T/N/A R/N/A  
ELEVATION: N/A  
LAT: N/A LONG: N/A  
SCALE: NONE

LINE NUMBER:  
FACILITY: STANDARD DRAWING  
TITLE: CATHODIC PROTECTION PIPELINE CROSSING  
DESCRIPTION: ISOMETRIC VIEW, DETAILS & MATERIAL LIST  
ADDRESS:

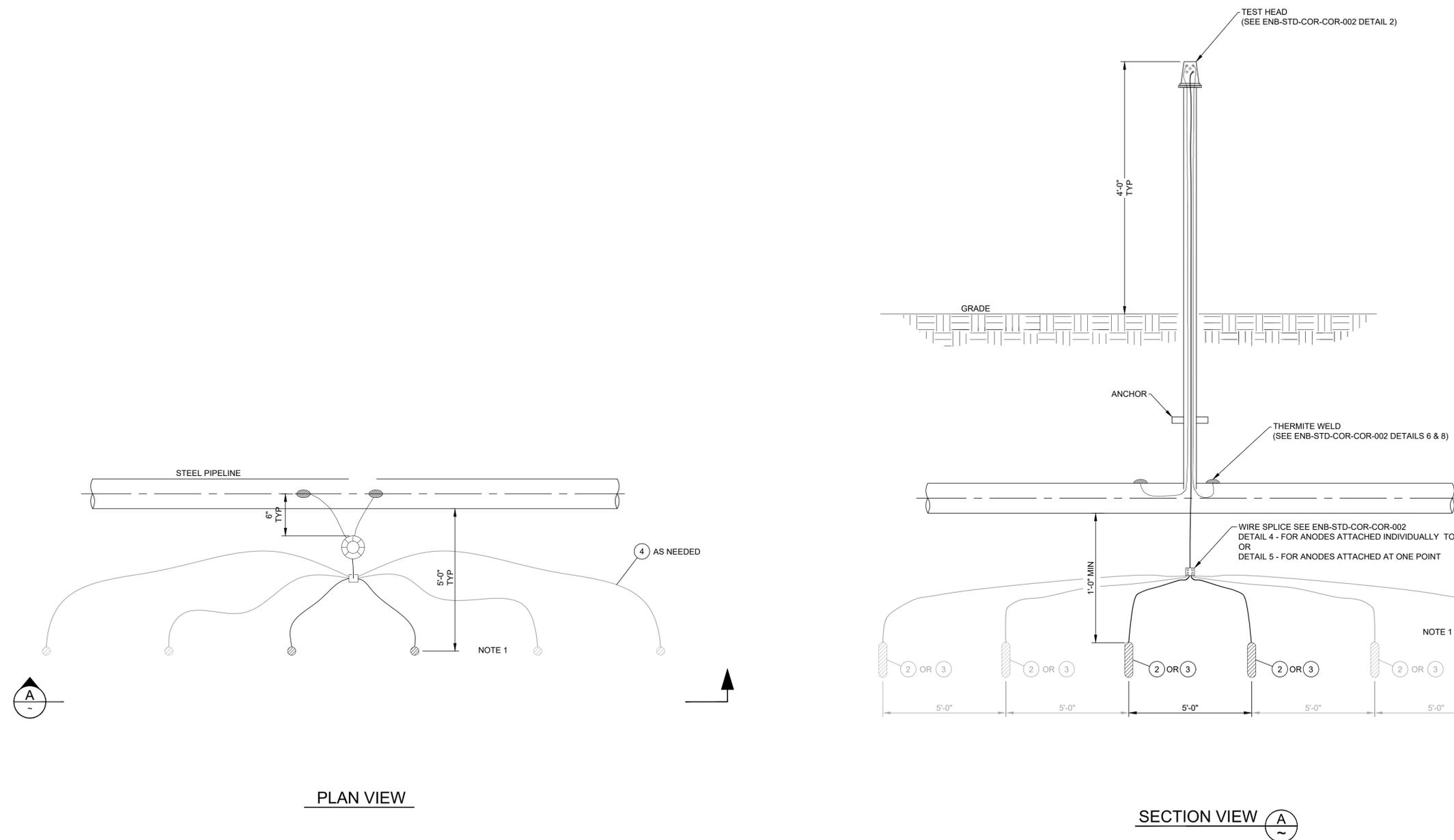
CITY VARIES COUNTY VARIES STATE VARIES

DRAWING NUMBER: ENB-STD-COR-COR-009  
SHEET 1 OF 1 REVISION 3

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MATERIAL LIST				
ITEM #	QTY	SIZE	DESCRIPTION	WH #
1	1	N/A	TEST STATION, MARKER TEST STATION QGC 72-IN YELLOW, 6 TERMINALS, YELLOW HEAD	Q3903610
2	NOTE 1	17 LB	ANODE, 17LB HIGH POTENTIAL MAGNESIUM (ASTM-B843 M/C ALLOY) PACKAGED IN COTTON BAG WITH 75% GYPSUM, 20% BENTONITE, & 5% SODIUM SULPHATE BACKFILL, MODEL 17D3 WITH A 10-FOOT SOLID #12 AWG BLACK THW/THHN WIRE	Q3900200
3	NOTE 1	32 LB	ANODE, 32LB HIGH POTENTIAL MAGNESIUM (ASTM-B843 M/C ALLOY) PACKAGED IN COTTON BAG WITH 75% GYPSUM, 20% BENTONITE, & 5% SODIUM SULPHATE BACKFILL, MODEL 32D5 WITH A 10-FOOT SOLID #12 AWG BLACK THW/THHN WIRE	42420065
4	AS REQ	#12	WIRE, DIRECT BURIAL CABLE AWG #12 SOLID THW/THHN, BLACK	42488966

- NOTES**
- ACTUAL NUMBER AND SIZE OF ANODES VARIES BY DESIGN
- CONTRACTOR:**
- INSTALL PER ENBRIDGE STANDARD PRACTICES:
    - 7-00-01 - GENERAL CORROSION CONTROL PROCEDURES
    - 7-10-01 - DESIGNING CATHODIC SYSTEMS
    - 7-20-01 - INSTALLING GALVANIC ANODES FOR CATHODIC PROTECTION OF BURIED PIPELINES
    - 2-13-10 - SURFACE PREPARATION AND PROTECTIVE COATINGS FOR BURIED PIPELINE SYSTEMS
  - ANODE INSTALLATION:
    - #8 ANODE HEADER CABLE MAY BE LOOPED SO THERE ARE TWO ENDS IN THE TEST HEAD. ALTERNATIVELY, #8 ANODE HEADER CABLE MAY BE A SINGLE CABLE WITH ONE END IN THE TEST HEAD AND THE OTHER ATTACHED THE ANODE(S).
    - ANODES INCLUDE AN ATTACHED LEAD WIRE USED FOR INSTALLATION.
    - REMOVE ANODE FROM PLASTIC PACKAGING BEFORE INSTALLATION.
    - WHEN POSSIBLE, INSTALL ANODES HORIZONTALLY OR VERTICALLY WITH THE TOP 1 FOOT BELOW THE BOTTOM OF THE PIPELINE.
    - ENSURE ANODES ARE NOT IN CONTACT WITH ANY OTHER BELOW GRADE STRUCTURES.
    - AFTER BACKFILLING AND COMPACTING AT LEAST 6-INCHES AROUND EACH ANODE, SATURATE EACH ANODE WITH A MINIMUM OF FIVE GALLONS OF POTABLE WATER BEFORE FINAL BACKFILL.
    - WHEN POSSIBLE, PLACE ANODES WITHIN MOIST LOAM AND CLAY SOIL. AVOID PLACEMENT OF ANODES WITHIN DRY SAND AND DO NOT PLACE WITHIN GRAVEL.
  - TEST STATION INSTALLATION:
    - OFFSET TEST STATION 6" FROM NEAREST EDGE OF PIPELINE AND AT A DEPTH EQUAL TO THE CENTER OF THE PIPELINE.
    - ABOVE GRADE MATERIALS TO BE INSTALLED OUTSIDE HARD SURFACE OF ROAD. SEE DRAWING ENB-STD-COR-COR-002 DETAIL 3 FOR PLACING CABLES IN CONDUIT WHEN TEST STATION IS PLACED 5-FEET OR MORE AWAY FROM PIPELINE.
  - INSTALL AND LABEL EACH WIRE IN TEST STATION. AN ENBRIDGE EMPLOYEE WILL CONNECT THE WIRES TO THE TEST HEAD.



PLAN VIEW

SECTION VIEW A

ISSUED FOR CONSTRUCTION

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD			ENBRIDGE			LINE NUMBER:													
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	NO	DESCRIPTION	DATE	BY	CHECK	DRAWN BY:	CHECKED BY:	SURVEYOR:	ENGR MNGR:	CONSTR MNGR:	MEAS & CTRLS:	AUTOM ENGR:	SECTION:	ELEVATION:	LAT:	LONG:	SCALE:	CITY VARIES	COUNTY VARIES	STATE VARIES	DRAWING NUMBER	SHEET	REVISION	
ENB-STD-COR-COR-002	2	STANDARD CORROSION DETAILS		0	ISSUED FOR CONSTRUCTION - SUPERSEDES QGC-STD-COR-COR-011	5/21/18	KJK	PHH	P HAHN	J BERG	N/A	K COWAN	J FOX	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NONE	VARIES	VARIES	VARIES	ENB-STD-COR-COR-011	1 OF 1	5
				1	CHANGED DRAWING TO CREATE ANODE QUANTITY FLEXIBILITY	10/24/18	PHH																				
				2	CREATED SEPARATE DRAWINGS FOR FOUR ANODE INSTALLATION (VERSION A) AND TWO ANODE INSTALLATION (VERSION B)	12/4/18	PHH																				
				3	UPDATED AND CORRECTIONS MADE TO MATERIALS	4/6/21	PHH	EN																			
				4	COMBINED DRAWINGS 011A, 011B AND 011C, MOVED DETAILS TO 002	4/6/22	PHH	KH																			
				5	SUPERSEDES DE-STD-COR-COR-011	1/22/25	PHH	KH																			

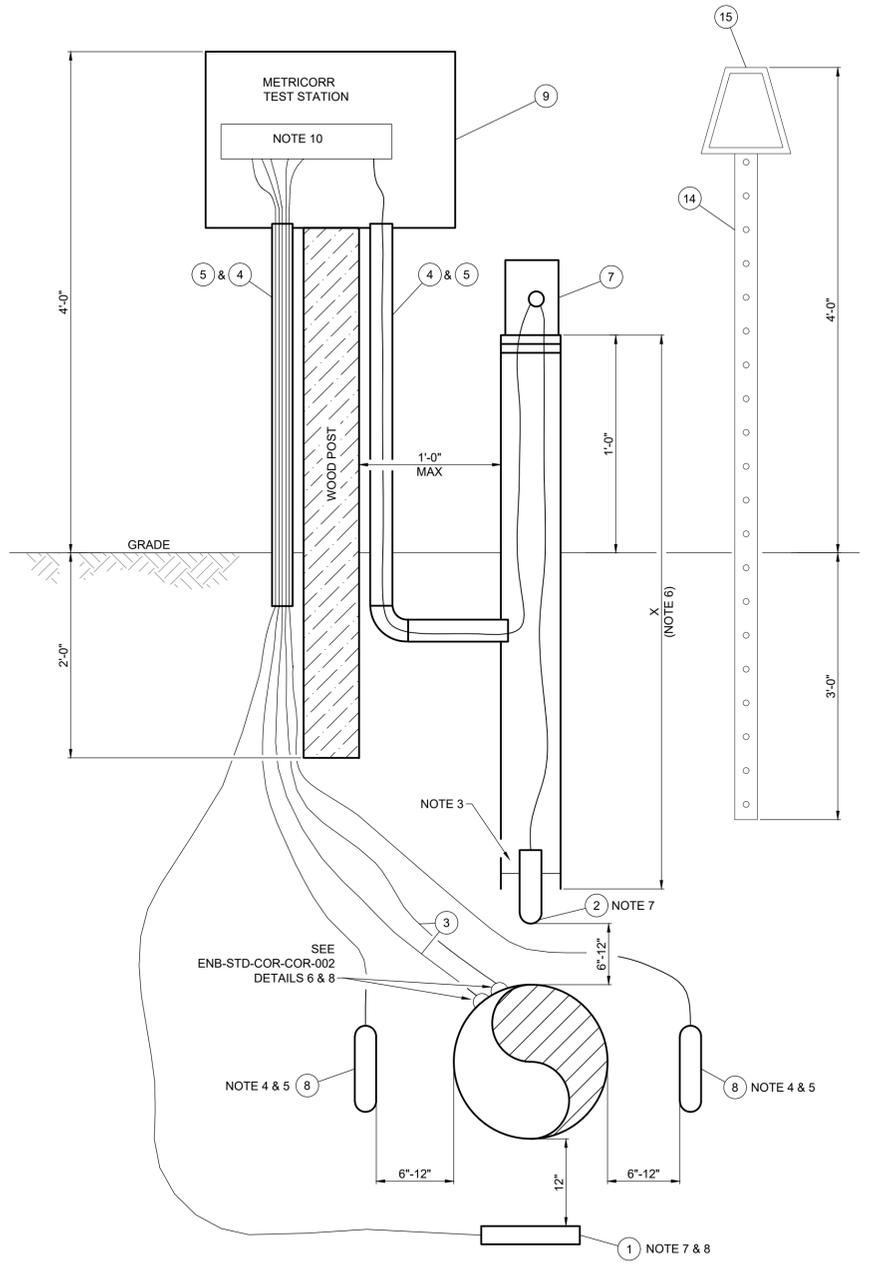
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**MATERIAL LIST**

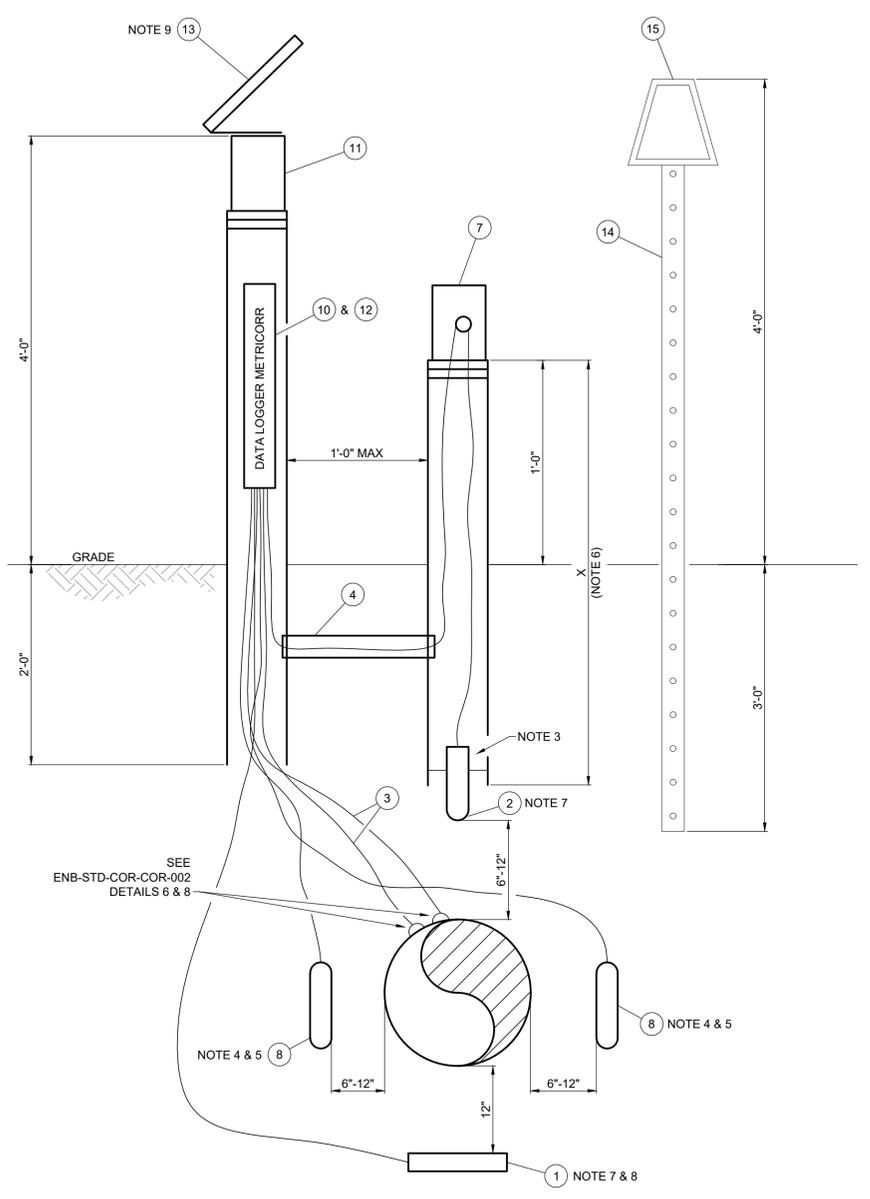
ITEM #	QTY	SIZE	DESCRIPTION	WH #
1	1	N/A	REFERENCE CELL, BORIN STELTH 2 WITH 50-FT #14 AWG RHH-RHW STRANDED YELLOW WIRE, MODEL SRE-007-CUY	Q3901270
2	1	N/A	REFERENCE CELL, BORIN STELTH 1 WITH 50-FT #14 AWG RHH-RHW STRANDED YELLOW WIRE, MODEL SRE-002-CFY	42492391
3	AS REQ	#10	WIRE, DIRECT BURIAL CABLE AWG #10 SOLID WIRE THHN/THWN, BLACK - 500 FT SPOOL	Q6135010
4	AS REQ	1"	CONDUIT, 1" SCHEDULE 40 PVC GREY PIPE	CONTRACTOR PROVIDED
5	AS REQ	1"	CONDUIT MOUNTING BRACKETS FOR 1" SCHEDULE 40 PVC PIPE	CONTRACTOR PROVIDED
6	1	4x4x10	PRESSURE TREATED WOOD POST	CONTRACTOR PROVIDED
7	1	N/A	TEST STATION, COTT BIG FINK 3 TERMINAL WHITE TEST STATION HEAD FOR 3-INCH RISER WITH YELLOW 3-INCH DIAMETER RISER	42492392
8	2	1cm2	METRICORR ER PROBE, ROD, FE, 1CM2 COUPON AREA, 500 MICROMETER THICKNESS, 12M CABLE LENGTH, ITEM 101370-00	42492938
9	1	N/A	METRICORR MONITORING PACK, DATA LOGGER RMU & CELLULAR TRANSMITTER UNIT, SOLAR, JUNCTION BOX, NO PROBES FOR BIG BORE APPLICATIONS ITEM 101373	42492941
10	1	N/A	METRICORR ICL MASTERLINK PACK, CELLULAR, ITEM 101222-00	42492937
11	1	N/A	TEST STATION, COTT BIG FINK 3 TERMINAL YELLOW TEST STATION HEAD FOR 3-INCH RISER WITH WHITE 3-INCH DIAMETER RISER	42492393
12	1	N/A	METRICORR BIG FINK MOUNTING CLIP SET, ITEM 101468-00	42492939
13	1	N/A	METRICORR SOLAR POWER KIT FOR BIG FINK TOP YELLOW, ITEM 101450-00	42492940
14	1	N/A	POST MARKER 7'-0" POWDER COATED ALL SAFETY YELLOW	Q5314601
15	1	N/A	PIPELINE MARKER	Q5621031

**NOTES**

- INSTALL PER STANDARD PRACTICES:
  - 7-00-01 - GENERAL CORROSION CONTROL PROCEDURES
  - 7-10-01 - DESIGNING CATHODIC SYSTEMS
  - 7-10-02 - CADWELD AND CADWELD PLUS PROCEDURE
  - 2-13-10 - SURFACE PREPARATION AND PROTECTIVE COATINGS FOR BURIED PIPELINE SYSTEMS
- ABOVE GRADE MATERIALS TO BE INSTALLED OUTSIDE HARD SURFACE OF ROAD.
  - SEE ENB-STD-COR-COR-002 DETAIL 3 FOR PLACING CABLES IN CONDUIT WHEN TEST STATION IS PLACED 5-FEET OR MORE AWAY FROM THE PIPELINE.
- TUBE TO REMAIN EMPTY DOWN TO REFERENCE CELL.
- ER PROBE WIRE MUST REMAIN THE LENGTH PROVIDED BY MANUFACTURER.
- ER PROBE TO BE PLACED ON EITHER SIDE OF THE PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. LABEL WIRES TO DISTINGUISH WHICH SIDE IT IS ON.
- DIMENSION "X" TO BE FIELD DETERMINED AND ADDITIONAL LENGTH ADDED TO TUBE, AS NEEDED. DIMENSION "X" WILL BE WRITTEN ON THE INSIDE OF THE TUBE NEAR THE TEST HEAD.
- LABEL REFERENCE CELL WIRES.
- REFERENCE CELL MAY BE PLACED ABOVE PIPE, BUT AT LEAST 12" AWAY FROM ER PROBES OR OTHER REFERENCE CELL.
- WHEN POSSIBLE, FACE SOLAR PANEL SOUTH.
- FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR WIRE TERMINATION INSIDE OF TEST STATION.



**BIG BOX METRICORR TEST STATION**



**SLIMLINE METRICORR TEST STATION**

**ISSUED FOR CONSTRUCTION**

REFERENCE DRAWINGS		WORK ORDERS		REVISIONS				ENGINEERING RECORD			
DRAWING NUMBER	REV	DRAWING DESCRIPTION	WO NUMBER	DESCRIPTION	NO	DATE	BY	CHECK	DRAWN BY:	P HAHN	
ENB-STD-COR-COR-002	2	STANDARD DWG - CORROSION INSTALLATION DETAILS			0	05/31/22	PHH	KH	CHECKED BY:	K HOFFMANN	
					1	09/20/22	PHH	KH	PROJECT ENGR:	K HOFFMANN	
					2	09/27/24	PHH		SURVEYOR:	N/A	
									ENGR MNGR:	R KISER	
									CONSTR MNGR:	K FACER	
									MEAS & CTRLS:	N/A	
									AUTOM ENGR:	N/A	

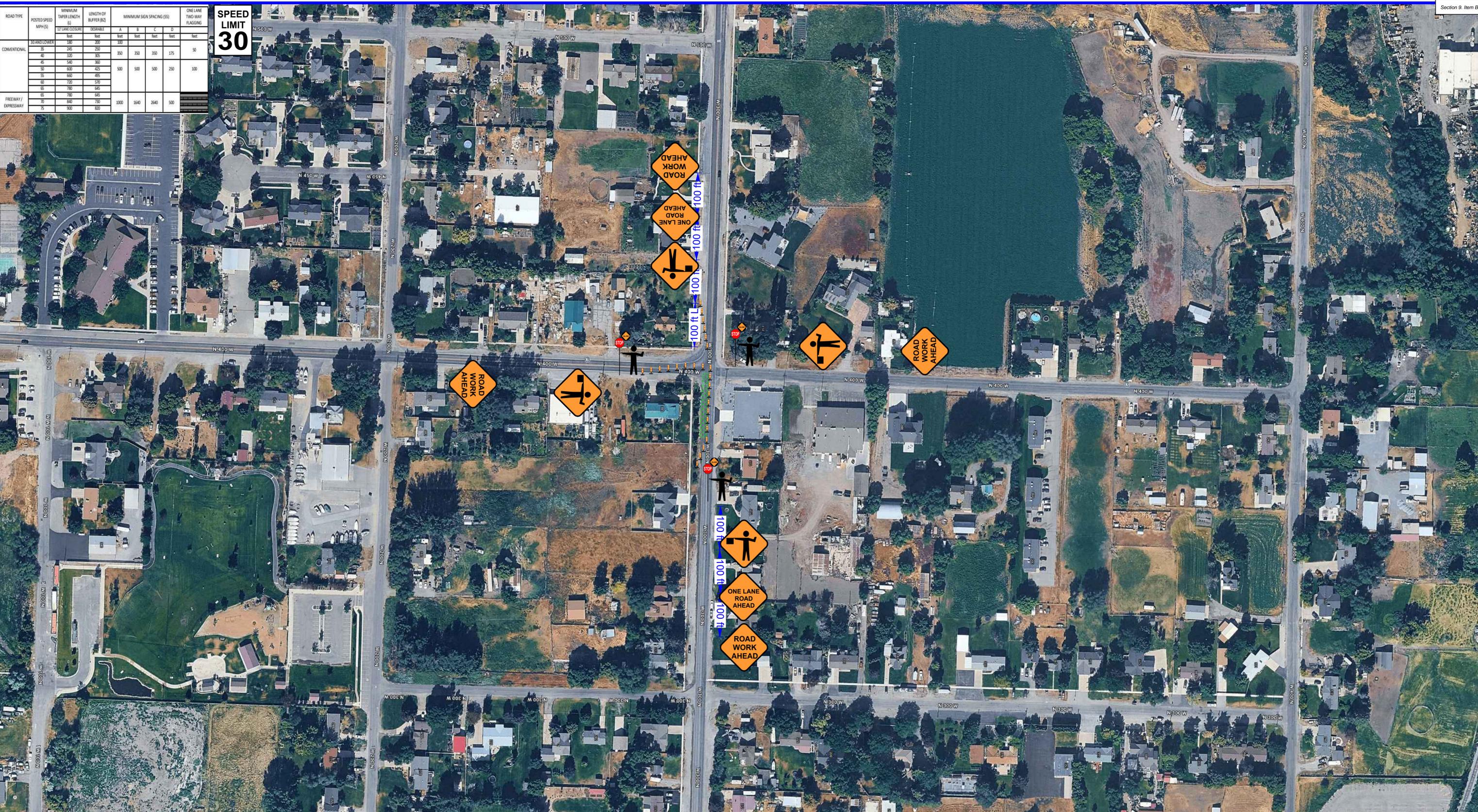
SECTION: N/A T/N/A R/N/A			CITY: N/A		COUNTY: N/A		STATE: N/A	
ELEVATION: N/A			LAT: N/A		LONG: N/A		SCALE: NONE	
DRAWING NUMBER: ENB-STD-COR-COR-016							SHEET: 1 OF 1	REVISION: 2

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ENBRIDGE GAS-ANS LD

ROAD TYPE	POSTED SPEED (MPH) (S)	MINIMUM TAPER LENGTH (FT) (S) (SEE CLASSES)	LENGTH OF BUFFER (S) (SEPARABLE)	MINIMUM SIGN SPACING (S)				ONE LANE TWO-WAY FLAGGING
			A	B	C	D		
CONVENTIONAL	30 AND LOWER	150	100	100	100	100	100	50
	35	245	200	350	350	350	175	
	40	330	305	350	350	350	175	
	45	540	360	500	500	500	250	
	50	600	425	500	500	500	250	
	55	660	490	500	500	500	250	
FREEMAY / EXPRESSWAY	60	720	570	1000	1640	2640	500	
	65	780	645					
	70	840	720					
	75	900	800					

**SPEED LIMIT 30**



**AWP Safety**  
801-627-1970  
www.awpsafety.com

**Project:** Flare 300 North & 200 West, Hyrum  
**Location:** 41.6404, -111.8606  
**Comments:**

**Date:** 12/19/2025  
**Author:** Jenna Perryman - 7998566051  
**TTCP:**  
**Notes:**  
 -Sign spacing may be adjusted to fit field conditions.  
 -Buffer space may be eliminated or modified to fit field conditions.  
 -Roads with no posted speed limit have been designed for 25 mph.  
 -Road Work Ahead signs shall be placed on all cross streets intersecting within the advance signing. The signs should be placed a minimum of 100 feet in advance of the intersection.

**Legend**

- Work Area
- Flagger
- Vertical Panel

PLANS ARE NOT TO SCALE

Sheet 1 of 8



ROAD TYPE	POSTED SPEED (MPH) (S)	MINIMUM TAPER LENGTH (FT) (S)	LENGTH OF BUFFER (S)	MINIMUM SIGN SPACING (S)	ONE LANE TWO-WAY FLAGGING	
CONVENTIONAL	30 AND LOWER	150	100	100	100	100
	35	245	200	100	100	100
	40	330	305	350	350	175
	45	540	360	500	500	250
	50	630	425	500	500	250
	55	690	495	500	500	250
	60	720	570	500	500	250
FREEMAY / EXPRESSWAY	65	780	645	1000	1640	2640
	70	840	730	1000	1640	2640
	80	900	830	1000	1640	2640

**SPEED LIMIT 30**



**AWP Safety**  
801-627-1970  
www.awpsafety.com

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Location: 41.6404, -111.8606  
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**Legend**

- Work Area
- Flagger
- Vertical Panel

PLANS ARE NOT TO SCALE

Sheet 3 of 8

ROAD TYPE	POSTED SPEED (MPH)	MINIMUM TAPER LENGTH (ft)	LENGTH OF BUFFER (ft)	MINIMUM SIGN SPACING (ft)				ONE LANE TWO-WAY FLAGGING
		STANDARD	SEPARABLE	A	B	C	D	
CONVENTIONAL	30 AND LOWER	150	200	100	100	100	100	
	35	245	250					50
	40	330	305	350	350	350	175	
	45	540	360					
	50	650	425	500	500	500	250	100
	55	660	465					
FREEMAY / EXPRESSWAY	60	720	570					
	65	780	645					
	70	840	720	1000	1640	2640	500	
	75	900	800					

**SPEED LIMIT 30**



Project: Flare 300 North & 200 West, Hyrum  
 Location: 41.6404, -111.8606  
 Comments:

Date: 12/19/2025  
 Author: Jenna Perryman - 7998566051  
 TTCP:  
 Notes:  
 -Sign spacing may be adjusted to fit field conditions.  
 -Buffer space may be eliminated or modified to fit field conditions.  
 -Roads with no posted speed limit have been designed for 25 mph.  
 -Road Work Ahead signs shall be placed on all cross streets intersecting within the advance signing. The signs should be placed a minimum of 100 feet in advance of the intersection.

**Legend**

Flagger	Work Area
Vertical Panel	

PLANS ARE NOT TO SCALE

Sheet 4 of 8



ROAD TYPE	POSTED SPEED (MPH) (S)	MINIMUM TAPER LENGTH (FT) (S)	LENGTH OF BUFFER (S)	MINIMUM SIGN SPACING (S)	ONE LANE TWO-WAY FLAGGING	
CONVENTIONAL	30 AND LOWER	150	100	100	100	100
	35	245	200	100	100	100
	40	330	305	350	350	175
	45	540	360	500	500	250
	50	650	425	500	500	250
	55	680	405	500	500	250
FREEMAY / EXPRESSWAY	60	720	570	1000	1640	2640
	65	780	645	1000	1640	2640
	70	840	720	1000	1640	2640

**SPEED LIMIT 30**



Project: Flare 300 North & 200 West, Hyrum  
 Location: 41.6404, -111.8606  
 Comments:

Date: 12/19/2025  
 Author: Jenna Perryman - 7998566051  
 TTCP:  
 Notes:  
 -Sign spacing may be adjusted to fit field conditions.  
 -Buffer space may be eliminated or modified to fit field conditions.  
 -Roads with no posted speed limit have been designed for 25 mph.  
 -Road Work Ahead signs shall be placed on all cross streets intersecting within the advance signing. The signs should be placed a minimum of 100 feet in advance of the intersection.

**Legend**

Flagger	Work Area
Vertical Panel	

PLANS ARE NOT TO SCALE

Sheet 6 of 8



ROAD TYPE	POSTED SPEED (MPH) (S)	MINIMUM TAPER LENGTH (ft) (T) (MIN. ADVANCE)	LENGTH OF BUFFER (ft) (B) (SEPARABLE)	MINIMUM SIGN SPACING (ft) (S)				ONE LANE TWO-WAY FLAGGING
				A	B	C	D	
CONVENTIONAL	30 AND LOWER	150	100	100	100	100	100	50
	35	245	250	350	350	350	175	50
	40	330	335	350	350	350	175	50
	45	540	360	500	500	500	250	100
	50	630	425	500	500	500	250	100
	55	690	495	500	500	500	250	100
FREEMAN / EXPRESSWAY	60	720	570	1000	1640	2640	500	
	65	780	645					
	70	840	720					
75	900	800						

**SPEED LIMIT 30**



**AWP Safety**  
801-627-1970  
www.awpsafety.com

**Project:** Flare 300 North & 200 West, Hyrum  
**Location:** 41.6404, -111.8606  
**Comments:**

**Date:** 12/19/2025  
**Author:** Jenna Perryman - 7998566051  
**TTCP:**  
**Notes:**  
 -Sign spacing may be adjusted to fit field conditions.  
 -Buffer space may be eliminated or modified to fit field conditions.  
 -Roads with no posted speed limit have been designed for 25 mph.  
 -Road Work Ahead signs shall be placed on all cross streets intersecting within the advance signing. The signs should be placed a minimum of 100 feet in advance of the intersection.

**Legend**

- Flagger
- Work Area
- Vertical Panel

PLANS ARE NOT TO SCALE

Sheet 8 of 8



60 West Main Street  
Hyrum, Utah 84319  
Ph. (435) 245-6033  
www.hyumcity.gov

## City Council Agenda Information

**To:** Mayor Steve Miller and City Council  
**From:** Robert Stroud, Recreation Manager  
**Date:** March 5, 2026  
**Subject:** Resolution 26-09 Soccer Agreement – Hyrum Recreation

**Summary:** Hyrum Recreation proposes establishing a new fee for competitive soccer leagues. Competitive leagues, such as the South Cache Soccer League, make significant use of the Hyrum Soccer Facility. Participants from across the valley and surrounding areas regularly utilize the Hyrum Soccer Complex.

Under the current arrangement, Hyrum City does not receive revenue from this use while continuing to absorb the costs associated with maintenance, including trash removal, restroom upkeep, and field care.

To address this, it is proposed that Hyrum City implement a fee of \$100 per competitive team, per season, for any team that designates the Hyrum Soccer Facility as its home field. A season typically lasts approximately two months and occurs once in the spring and once in the fall. Additionally, a \$300 league deposit would be required for the league.

All fees and deposits must be paid prior to the start of the season, and all participating teams must be documented for field use. The deposit will help ensure the facility is maintained in good condition, including proper trash disposal in the on site dumpster and preservation of field conditions.

RESOLUTION 26-09

A RESOLUTION AMENDING THE HYRUM CITY SOCCER FIELDS RENTAL FEE AND DEPOSIT SCHEDULE.

WHEREAS, Hyrum City owns and operates the Hyrum Soccer Fields which has several soccer fields that are used for Hyrum City's Recreation Leagues, Competitive Leagues, and Tournaments; and

WHEREAS, Hyrum City allows these facilities to be rented for practices, games, and tournaments; and

WHEREAS, Hyrum City Parks Department maintains these facilities by providing goal nets, restrooms, garbage containers and dumpsters, marking fields, and mowing lawns; and

WHEREAS, a rental and deposit fee for use of these fields for private and/or commercial use is necessary to recoup Hyrum City's costs; and

WHEREAS, the Hyrum City Parks Department is recommending setting a Home Team Fee per athlete per season for recreation league play which is paid by the League to the City; and a Home Team Fee per team per season for competitive league play for use and/or reservation of field(s) which is paid by the League or Team depending on circumstances.

NOW, THEREFORE, be it resolved that the Hyrum City Council hereby approves and adopts the Hyrum City Soccer Fields Rental Fees and Deposit Schedule attached hereto as Exhibit "A". These fees and deposits may be revised from time to time by resolution.

BE IT FURTHER RESOLVED, that this resolution shall become effective upon adoption.

ADOPTED AND PASSED by the City Council this 5<sup>th</sup> day of March, 2026.

HYRUM CITY

\_\_\_\_\_  
Steve J. Miller  
Mayor

ATTEST:

---

Stephanie Fricke  
City Recorder

<b>Roll Call Vote -</b>	<b>Aye</b>	<b>Nay</b>	<b>Absent</b>
Councilmember Steve Adams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Rebecca Foulger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Michael Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Nalyn Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Craig Rasmussen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# SOCCER FIELDS RENTAL APPLICATION AND CONTRA

Section 10. Item A.

Approved 03/05/2026 Res 26-09

Date of Event:	Type:	Time In:	Time Out:
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Name:	Today's Date:
Address:	Phone #:

\$1,000.00 FINE FOR RESERVING FIELDS FOR INCORRECT USE OR A USE NOT ALLOWED

Receipt # \_\_\_\_\_

Practice	Fields(s) # _____	Game/Scrimmage	Field(s) # _____
<input type="checkbox"/> Practice per hour	\$20.00	<input type="checkbox"/> Game/Scrimmage per hour	\$40.00

**GAMES:**

FIELD #1			
<input type="checkbox"/> Rental Fee per day	\$100.00	<input type="checkbox"/> Deposit	\$300.00

FIELD #2			
<input type="checkbox"/> Rental Fee per day	\$100.00	<input type="checkbox"/> Deposit	\$300.00

FIELD #3			
<input type="checkbox"/> Rental Fee per day	\$100.00	<input type="checkbox"/> Deposit	\$300.00

CITY SPONSORED RECREATION LEAGUES – <i>Cache Valley Soccer League</i>			
<input type="checkbox"/> Home Team fee (per athlete per season) paid by League	\$5.00	<input type="checkbox"/> Deposit	No Charge

CITY SPONSORED COMPETITIVE LEAGUES – <i>Cache Valley Soccer League</i>			
<input type="checkbox"/> Home Team Fee per season paid by League or Team	\$100.00	<input type="checkbox"/> Deposit per season (per league not team)	\$300.00

\$1,000 FINE FOR RESERVING FIELDS FOR INCORRECT RENTAL USE OR A USE NOT ALLOWED:			
<input type="checkbox"/> \$1,000 fine paid in cash or applied to utility bill	<input type="checkbox"/> \$1,000 fine charged to Credit Card		

\*If reserving more than one field only one deposit will be charged per day per rental.

# SOCCER FIELDS RENTAL APPLICATION AND CONTRACT

INITIAL EACH SECTION TO VERIFY YOU HAVE READ AND UNDERSTAND THE RULES AND TERMS OF THIS AGREEMENT:

## **\$1,000.00 FINE FOR RESERVING FIELDS FOR INCORRECT USE OR A USE NOT ALLOWED: *Initial*\_\_\_\_\_**

Applicants who rent the fields under the pretense of a different activity so that he/she can use the building for a prohibited use will be charged a \$1,000.00 fine. The \$1,000.00 fine will be placed on his/her Hyrum City utility bill or can be paid immediately to the City and/or a credit card placed on file by the applicant will be charged the \$1,000.00 fine immediately.

## **RENTAL REQUIREMENTS BEFORE RESERVATION: *Initial*\_\_\_\_\_**

Applicant is required to provide Hyrum City the following before a reservation is finalized:

- \_\_\_\_\_ Soccer Fields Rental Application and Contract Signed and Initialed in all required areas.
- \_\_\_\_\_ Applicant must provide a copy of a minimum of \$1,000,000 liability insurance policy for each rental.
- \_\_\_\_\_ Rental Fee and Deposit paid upon reservation of the fields.
- \_\_\_\_\_ Arrangements for rental of a dumpster

## **CANCELLATION POLICY: *Initial*\_\_\_\_\_**

A refund will only be given if cancellation is made before 14 days prior to event.

## **ENTRY TIMES AND EXIT TIMES: *Initial*\_\_\_\_\_**

Entry into the park and fields can be made no earlier than 8:00 a.m. the day of your reservation.

No play of games after dusk.

If there is early entry or late exit you will forfeit your deposit.

## **HYRUM CITY'S RIGHT TO CLOSE FIELDS / CANCEL RESERVATION: *Initial*\_\_\_\_\_**

Hyrum City reserves the right to cancel, restrict, and/or limit the use of any reservation for play on its fields at any given time to prevent excessive damage to fields. During periods of inclement weather, field closures may result as determined by Hyrum City personnel. Closures may result from poor playing conditions or damage which could create hazardous safety conditions for the public and/or excessive repair work to bring the field back to a playable condition. It is the user's responsibility to obtain field closure information. Call the Hyrum City Office for an up-to-date report on field closures.

Hyrum City is not responsible for any costs occurred by applicant if fields are cancelled.

## **FIELD AND PARK RULES: *Initial*\_\_\_\_\_ I understand that if the Fields have not been left clean or if I have broken any of these rules that I will **forfeit my deposit**.**

These activities, beverages, and items are NOT permitted in or on the grounds of the Soccer Park and its Fields:

1. Smoking, E-cigarettes, Tobacco
2. Alcoholic Beverages
3. Bounce Houses, Slides, etc.
4. Rollerblading, Skating, Skateboarding
5. Climbing on Fences

# Soccer Fields Rental Application and Contract

6. Overnight Camping
7. Outside concessions or merchandise
8. Altering fields (paint, nets, etc.)
9. No dogs or pets
10. Disruptive, destructive, hazardous, lewd or illegal activity.
11. Littering

**RESTROOMS:** *Initial*\_\_\_\_\_ I understand that it is my responsibility to ensure the restrooms are not damaged and have been left clean as listed below and that if there is any damage and/or have not been left clean I will **forfeit my deposit**.

Hyrum City provides restrooms that will be unlocked during the reserved time of the fields. Applicant is responsible for:

1. Flushing all toilets before leaving
2. Ensuring sinks and toilets are not plugged
3. All sink taps are turned off
4. Garbage in restrooms are emptied

**GARBAGE, LITTER, AND/OR DEBRIS:** *Initial*\_\_\_\_\_ I understand that if the litter and/or debris has been left in the Park and/or on the Fields; and/or if the garbage cans have not been emptied into the dumpsters I will **forfeit my deposit**.

Applicant must provide a dumpster for disposal of garbage. Applicant is responsible to empty all garbage cans into the dumpsters and to ensure all litter and/or debris has been picked up and removed from the park and/or fields.

**DAMAGE TO THE FIELDS:** *Initial*\_\_\_\_\_

Any damages that are a direct result of the renter's event, per this contract, will be deducted from the deposit fee. If the amount of damages is determined to be greater than the deposit the renter will be responsible for all repairs or for payment (per a cost estimate obtained by Hyrum City) to return the Park and/or its fields to its original condition.

**AGREED TO AND ACCEPTED:**

By signing this rental agreement, I hereby certify that I understand the terms, rules, and rental contract, that I am responsible for the facilities covered under this agreement, including any and all damage beyond normal wear to park, fields, and restrooms, and that I personally am using said facilities for legitimate, legal purposes, allowed under City policy.

I understand that any violation of City policies retaining to rental or use of this facility will result in forfeiture of my deposit plus the cost of repair or replacement of any and all damages or loss resulting from the rental or use of said facility.

I understand if I break or violate any of these rules I will lose my deposit and rights to rent Hyrum City property and buildings in the future.

\_\_\_\_\_  
Signature of Responsible Party

\_\_\_\_\_  
Date Signed

# SOCCKER FIELDS RENTAL APPLICATION AND CONTRA

Section 10. Item A.

---

Name – Print

Telephone Number

---

Address

City

State

Zip

## EXIT CHECKLIST-FOR DEPOSIT REFUND

### FIELDS:

#### INITIAL WHEN COMPLETED:

Litter Picked Up \_\_\_\_\_

Garbage Emptied \_\_\_\_\_

### RESTROOMS:

#### INITIAL WHEN COMPLETED:

Toilets Flushed \_\_\_\_\_

Sinks off \_\_\_\_\_

Garbage Emptied \_\_\_\_\_

### PARKING LOT & PARK:

#### INITIAL WHEN COMPLETED:

Litter Picked Up \_\_\_\_\_

Garbage Emptied \_\_\_\_\_

I certify that I have cleaned each of the above items, and understand that if the Park, Fields, and Restroom have not been left clean that I will forfeit my deposit.

\_\_\_\_\_  
Signature of Responsible Party

\_\_\_\_\_  
Date Signed

**To:** Mayor Miller and City Council

**From:** Stephanie Fricke, City Recorder

**Date:** February 27, 2026

**Subject:** Resolution 26-10 A resolution to appoint a designated City Engineer

**Summary:** Hyrum City has contracted with Forsgren Associates since March 28, 2024 to provide Administrative Land Use Authority (ALUA) professional engineering review services with Eric Dursteler, P.E. as member of the ALUA. Subsequently, Hyrum City entered an amendment to the 2024 contract to provide as-needed non-ALUA development review services on an as-needed and as-requested basis. In these contractual relationships, Eric has not been authorized to sign or approve documents for approval as the City Engineer.

The Hyrum City Ordinance, primarily but not exclusively related to development services, requires an appointed City Engineer to perform certain functions and duties. The City currently does not have an in-house or contracted appointed City Engineer. City Code Sections 2.10.010 and 2.10.020 establish the office of City Engineer and specify requirements for appointment of the same.

The proposed resolution appoints Eric Dursteler, an employee of Forsgren Associates, to be the designated and appointed City Engineer to provide such duties and responsibilities required in that capacity by the City Ordinance until such time as the City no longer requires the services. The appointment benefits Hyrum City because Eric is already providing substantial development review services, which is a large component of City Engineer responsibility as directed in the Ordinance. The appointment also allows other work items to be authorized at the discretion of the City. The appointment can be changed if/when the City hires a full-time professional engineer or if other arrangements are made.

This appointment does not prevent the City from using other existing or future contracts with engineering firms to provide engineering-related services for projects or department work that does not require the specific City Engineer designation; nor does it commit the City to a specified contractual amount or duration for the agreement. The agreement can be terminated at any time at the City's discretion.

**Recommendation:**

Approval of Resolution 26-10 provides a necessary designated and appointed representative to carry out the engineering requirements of the City as specified by ordinance.

City Council Meeting Details:  
 Meeting Date: March 5, 2026  
 Council Role: Role Call Vote

**Attachments:**

1. Resolution 26-10

RESOLUTION 26-10

A RESOLUTION APPOINTING A DESIGNATED CITY ENGINEER FOR HYRUM CITY.

WHEREAS, Hyrum City has contracted with Forsgren Associates since March 28, 2024, to provide Administrative Land Use Authority (ALUA) professional engineering review services, with Eric Dursteler, P.E., serving as a member of the ALUA; and

WHEREAS, Hyrum, City subsequently entered into an amendment to the 2024 contract with Forsgren Associates to provide as-needed, non-ALUA development review services on an as-requested basis; and

WHEREAS, under the existing contractual arrangements, Eric Dursteler, P.E. has not been authorized to sign or approve documents in the official capacity of Hyrum City Engineer; and

WHEREAS, Hyrum City Ordinance, including but not limited to provisions related to development services, requires that certain duties and functions be performed by an appointed City Engineer; and

WHEREAS, City Code Sections 2.10.010 and 2.10.020 establish the office of City Engineer and set forth the requirements for appointment; and

WHEREAS, Hyrum City currently does not have an in-house or contracted appointed City Engineer to legally conduct the required services as outlined in the Ordinance; and

WHEREAS, Eric Dursteler, P.E., as an employee of Forsgren Associates, is already providing substantial development review services, which constitute a significant component of the responsibilities of the Hyrum City Engineer as outlined in the Hyrum City Ordinance; and

WHEREAS, appointing Eric Dursteler, P.E. as the designated City Engineer will allow Hyrum City to fulfill ordinance requirements, authorize necessary documents, and assign additional engineering-related duties at the discretion of Hyrum City; and

WHEREAS, this appointment does not prevent Hyrum City from utilizing other existing or future contracts with engineering firms for engineering-related services that do not require the specific designation of City Engineer; and

WHEREAS, this appointment does not commit Hyrum City to any specified contractual amount or duration and may be terminated at the City's discretion; and

WHEREAS, this appointment may be changed or rescinded if and when Hyrum City hires a full-time professional engineer or makes other arrangements for fulfilling the duties of City Engineer.

NOW, THEREFORE, BE IT RESOLVED by the City Council of Hyrum City, Cache County, State of Utah, as follows:

1. Appointment. Eric Dursteler, P.E., an employee of Forsgren Associates, is hereby appointed as the designated and appointed Hyrum City Engineer to perform all duties and responsibilities required of the Hyrum City Engineer under the City Ordinance and applicable law.

2. Scope of Authority. The appointed Hyrum City Engineer shall have the authority to review, approve, sign, and perform such engineering duties and responsibilities as required by ordinance, resolution, development code, or other applicable regulations of the City.

3. Term and Termination. This appointment shall remain in effect until such time as Hyrum City no longer requires the services of Eric Dursteler, P.E. in this capacity, or until the appointment is terminated or modified by action of the Hyrum City Council. Hyrum City reserves the right to terminate this appointment at any time and for any reason.

4. No Limitation on Other Contracts. Nothing in this Resolution shall restrict Hyrum City from entering into or utilizing other contracts for engineering services for projects or departmental work that do not specifically require the designation of City Engineer.

BE IT FURTHER RESOLVED, that this resolution shall become effective upon adoption.

ADOPTED AND PASSED by the City Council this 5<sup>th</sup> day of March, 2026.

HYRUM CITY

\_\_\_\_\_  
Steve J. Miller

Mayor

ATTEST:

\_\_\_\_\_  
Stephanie Fricke  
City Recorder

<b>Roll Call Vote -</b>	<b>Aye</b>	<b>Nay</b>	<b>Absent</b>
Councilmember Steve Adams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Rebecca Foulger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Michael Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Nalyn Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Craig Rasmussen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



60 West Main Street  
Hyrum, Utah 84319  
Ph. (435) 245-6033  
www.hyrumcity.gov

## City Council Agenda Information

**To:** Mayor Miller and City Council

**From:** Tony Ekins, City Planner

**Date:** March 2, 2026

**Subject:** Ordinance 26-09 – An ordinance amending Title 17 Zoning of the Hyrum City Municipal Code to create Chapter 17.64 Agritourism and amend Section 17.38.010 C. Use regulations to include "Agritourism" as a Conditional Use in the Residential Agricultural Zone RA.

### Summary:

Hyrum City was approached by the Brad James family, citizens of Hyrum City who desire to conduct "agritourism" on their property parcel in the Residential Agricultural Zone RA to attract participants to his family's farm for family events, weddings, and wedding receptions. When staff discussed and researched agritourism with the James family, staff determined agritourism would support the agricultural heritage and rural open spaces in Hyrum by providing farms who are committed to maintaining agricultural property the ability to generate additional income, and provide accessory uses that allow visitors coming to their farms for entertainment, recreational, educational, or similar agriculture-oriented attractions.

### Planning Commission Recommendation:

**On January 8, 2026**, the Planning Commission held the required public hearing and discussed the draft amendment. The planning commission made a vote to continue the item to allow staff to revise the draft for further delegation. (See attached Draft Amendment and January 8, 2026, Planning Commission Meeting Minutes)

**On February 12, 2026**, the Planning Commission reviewed the revisions and made a motion (5-0 Vote) to recommend the draft amendment to the City Council. While preparing ordinance 26-09, staff cleaned up minor grammar as shown by red strikethrough on the prepared ordinance 26-09.

### City Council Recommendation:

**On February 19, 2026**, staff presented the ordinance to the City Council, which received support for the intent of the ordinance but was continued by the City Council at the staff's request to include the following:

1. Include legal review comments for occupancy requirements and accessory uses that shall not be considered as part of agritourism.
  - a. Staff included additional accessory uses that shall not be considered. See: 17.64.H.
  - b. Staff included additional guest occupancy requirements. See: 17.64.I.
2. General cleanup of ordinance language that ties proposed accessory uses with definitions.
  - a. Staff cleaned up ordinance text to focus on accessory uses and defined accessory uses specifically in the accessory uses in Table 17.64.G.

- b. Staff included text language for existing and proposed buildings and sanitary sewer facilities. Staff would like to see agritourism use existing buildings be utilized such as agricultural barns and structures and limit new construction to accessory buildings only to preserve rural character. This could engage a discussion with the City Council to determine if a minimum sq. ft. of new accessory buildings should be regulated by this ordinance. See 17.64.J. 3 through 7.
3. Determine if the ordinance is required to go back to the Planning Commission to review the changes at the City Council level.
  - a. Utah Code 10-20-502 Preparation and adoption of land use regulations (effective 11/6/2025) requires the Planning Commission to hold the public hearing, review and recommend to the legislative body a proposed land use regulation. The legislative body shall consider each proposed land use regulation that the Planning Commission recommends, and the legislative body may adopt or reject the land use regulation as proposed by the Planning Commission; or after making any revision the legislative body considers appropriate.
  - b. Hyrum City Code 17.08.150 Amendments requires a Public Hearing must be held by the Planning Commission and all proposed amendments shall be first recommended by the Planning Commission. The City Council may overrule the Planning Commission's recommendations by a majority vote of its members.

**City Council Meeting Details:**

- Meeting Date: March 5, 2026
- Council Role: Legislative with Roll Call Vote

**Attachments:**

1. Prepared ordinance 26-09 – Proposed with revisions.
2. Prepared ordinance 26-09 – February 19, 2026 Ordinance Draft

ORDINANCE 26-09

WHEREAS, on January 6, 1994, the Hyrum City Council passed and posted an ordinance adopting the "Hyrum City Municipal Code", a recodification of municipal ordinances encompassing the "Revised Ordinances of Hyrum City" and ordinances adopted through July 15, 1993; and

WHEREAS, Title 17 of the Hyrum City Municipal Code is known as the Zoning Ordinance of Hyrum City and sets forth regulations governing land use within the municipal limits; and

WHEREAS, Section 17.04.040 allows Title 17 of the Hyrum City Municipal Code, the Zoning Ordinance, to be amended by the City Council following fourteen days' notice and a public hearing; and

WHEREAS, the City Council has determined there is a need to amend Title 17 to further clarify those regulations governing zoning and other regulations controlling land use and development within Hyrum City.

NOW THEREFORE, upon recommendation of the Planning Commission and following a public hearing as required by Section 17.04.040, the Hyrum City Council hereby adopts, passes, and publishes the following:

AN ORDINANCE AMENDING TITLE 17 ZONING OF THE HYRUM CITY MUNICIPAL CODE TO CREATE CHAPTER 17.64 AGRITOURISM; AND AMEND SECTIONS 17.38.010 C. USE REGULATIONS TO INCLUDE "AGRITOURISM" AS A CONDITIONAL USE IN THE RESIDENTIAL AGRICULTURAL ZONE RA.

- 1. Residential Agricultural RA Zone, Section 17.38.010 Use Regulations of the Hyrum City Municipal Code is hereby added to read as follows:

17.38.010 Use Regulations  
 C. Conditional uses:  
     6. Agritourism.

- 2. Section 17.64 Agritourism of the Hyrum City Municipal Code is hereby added to read as follows:

## 17.64 Agritourism.

### A. Definitions.

1. Agricultural Enterprise - "Agricultural Enterprise" means a small or large farm.
2. Agritourism - "Agritourism" means the combination of agricultural production with accessory uses to attract guests from the general public to an agricultural enterprise.
3. Agritourism Operator - "Agritourism Operator" means a person who operates an agricultural enterprise with agritourism accessory uses.

### B. Purpose and Intent.

1. The purpose and intent of this chapter is to support the agricultural heritage and rural open space in Hyrum City by providing agricultural enterprises which are committed to maintaining agricultural property the ability to allow guests to participate in accessory uses that generate additional income from agritourism.

### C. Conditional Use Permit and Business License Required.

1. No accessory use shall be conducted without first obtaining a conditional use permit and business license.

### D. Supplemental Conditional Use Permit Application Narrative.

1. In addition to the conditional use permit application requirements listed in this Section, all accessory use applications shall be accompanied by a detailed narrative describing the agricultural enterprise and the overall vision for the proposed accessory uses identified in this Section, and shall also include the following:
  - a. Description of the anticipated changes to the agricultural enterprise, its general function and maintenance; and
  - b. Description of the intended guests that are expected to participate; and
  - c. Description of agriculturally related and non-agriculturally related types of facilities and equipment to be used for accessory uses; and
  - d. Description of anticipated traffic, vehicle access, vehicle maneuvering, and a parking plan

that accommodates the needs for both guests and employees.

E. Plot Plan and Floor Plan Required.

1. A plot plan drawn to scale, as part of the conditional use permit, that includes property lines, location of all building structures including setbacks from property lines, entrances, and designated off-street parking.
2. A floor plan drawn to scale with labels on rooms indicating the proposed uses and includes the square feet clear floor space area of each room.
3. Site plan approval shall be required as regulated by this Title.
4. Zoning clearance shall be required as regulated by this Title.

F. Agricultural Enterprise Qualifications and Classification.

1. The following establishes the qualifications and classification for agricultural enterprises based on acreage:
  - a. Small Farm. Includes a legal parcel that is a lot size of one (1) to five (5) acres.
  - b. Large Farm. Includes a legal parcel that is a lot size greater than five (5) acres in size; or contiguous legal parcels that accumulate more than five (5) acres in size.

G. Accessory Use Table.

1. The following accessory uses are determined desirable in conjunction with the agricultural enterprise. "C" denotes allowed conditional use agritourism activities in agricultural enterprise classifications. "NA" denotes accessory uses that are not allowed.
2. Accessory uses may be subject to other requirements in this Title.
3. Minimum setback distances shall be in feet from any existing residential dwelling that is not included in the accessory use.

<u>ACCESSORY USE TABLE 17.64.G.</u>				
<u>Accessory Use</u>		<u>Small Farm</u>	<u>Large Farm</u>	<u>Minimum Setback</u>
<u>Artisan Goods Production: attracting guests to consumer products that are produced on site in a skilled and traditional way.</u>	<u>Handmade or handcrafted tools, crafts, jewelry, soaps, shampoo, food, and drinks</u>	<u>C</u>	<u>C</u>	<u>100</u>
<u>Educational uses attracting guests to educate interactive learning experiences with farms to gain knowledge about rural traditions and environmental stewardship.</u>	<u>Agricultural Demonstrations and Crop Explorations.</u>	<u>C</u>	<u>C</u>	<u>100</u>
	<u>Crop explorations.</u>	<u>C</u>	<u>C</u>	<u>100</u>
<u>Entertainment uses attracting guests to activities that are of a spectator nature.</u>	<u>Barn Dance.</u>	<u>NA</u>	<u>C</u>	<u>150</u>
	<u>Playhouse Theater.</u>	<u>NA</u>	<u>C</u>	<u>150</u>
	<u>Farm Tours.</u>	<u>C</u>	<u>C</u>	<u>100</u>
<u>Events attracting guests to the agricultural enterprise for indoor or outdoor gatherings.</u>	<u>Farmers Market.</u>	<u>C</u>	<u>C</u>	<u>100</u>
	<u>Family events and reunions.</u>	<u>NA</u>	<u>C</u>	<u>150</u>
	<u>Flowering displays, pumpkin walks.</u>	<u>C</u>	<u>C</u>	<u>100</u>
	<u>Weddings and reception.</u>	<u>NA</u>	<u>C</u>	<u>150</u>
<u>Recreational uses attracting guests for activities that are participatory in nature.</u>	<u>Animal encounters.</u>	<u>C</u>	<u>C</u>	<u>100</u>
	<u>Corn maze.</u>	<u>NA</u>	<u>C</u>	<u>150</u>
	<u>Haystack climbing and slides.</u>	<u>C</u>	<u>C</u>	<u>100</u>
	<u>Passenger rides (tractor, sleigh, wagon).</u>	<u>C</u>	<u>C</u>	<u>100</u>

H. Accessory Uses that shall not be considered as an approved agritourism use:

1. Alcohol Sales or Service (sale or distribution of alcohol, tavern, brewery or winery).
2. Agricultural Product Processing (slaughtering, processing and packing of chickens, fowl, small or large animals).
3. Commercial/Retail Activities (permanent, high-volume commercial or retail uses).
4. Extractive Activities (mining or extraction of onsite soil, aggregate, or forestry products).
5. High-Impact Entertainment (large festival or music concert).
6. Hunting Preserve or Shooting Range.
7. Intensive Recreational Facilities (non-agricultural, or permanent commercial, entertainment-based structures).
8. Overnight Accommodations (lodging house, recreational vehicles, camping, etc.).

I. Occupancy Requirements.

1. Occupancy requirements for accessory uses shall be established by the Fire Code Official provided a maximum occupancy load does not exceed more than two hundred and fifty (250) guests visiting the agricultural enterprise.
2. Accessory uses for which attendance exceeds guest occupancy requirements:
  - a. For the purpose of this Section, the limitations provided herein only apply to guests visiting the accessory use as stated in the application and shall not count towards the primary use occupancy requirements.
  - b. For the purpose of this Section, the accessory use occupancy requirements apply to the maximum use capacity or anticipated attendance, as determined prior to the accessory use, and shall not be based solely on the number of guests present at any single moment in time.
  - c. The number of guests assembled shall be determined by the maximum number of guests reasonably anticipated, as evidenced by the

accessory use activity advertising, invitations, registrations, vendor permits, parking or traffic plans, site layouts, fire or building occupancy limits, or materials submitted with the application pursuant to this Section.

d. The City shall not be required to establish the actual number of guests present at the premises at any given time to allow enforcement of this Section.

e. No accessory use shall be structured, segmented, or scheduled in a manner intended to evade the guest limitations set forth in this section.

#### J. Standards.

1. Proximity of accessory uses to adjacent existing properties, existing buildings, and existing uses shall be considered in approving the conditional use permit.
2. Accessory uses, structures, and parking shall not be located within the minimum front yard setback.
3. Existing enclosed buildings and structures that are used exclusively for agricultural use are allowed for guests to participate in accessory use if approved by the Building and Fire Code Official for occupancy.
4. Newly constructed main buildings and structures shall be limited to residential or agricultural use. No new large scale commercial buildings shall be approved.
5. Newly constructed accessory buildings and structures shall be limited to the requirements of accessory buildings and reflect architectural character that is consistent with prioritizing rural character.
6. Temporary Structures or Coverings:
  - a. All applicable zoning and building code requirements must be met (i.e., water, power, connections, accessibility, etc.).
  - b. Shall be secured to the ground in order to prevent such from being moved by natural meteorological events.

- c. Shall be maintained in a state of good repair and order, including replacement of torn, tattered, faded or peeling materials.
    - d. Any temporary outdoor facility shall be removed within three (3) days after temporary use.
- 7. Permanent sanitary sewer facilities are required if located within three hundred (300) feet of an existing city sewer line unless specifically waived by the City Council prior to conditional use permit and business license acceptance.
  - a. Exemption: If permanent sanitary sewer facilities are waived by the City Council, temporary sanitary sewer facilities shall be incorporated into the design of the agritourism operation and shall be completely screened from the view from public streets and adjacent properties.
- 8. Exterior lighting shall prevent glare onto adjacent properties and shall be dark-sky sensitive.
- 9. One identification sign not to exceed 12 sq. ft. in size either affixed to a structure or on a pole less than eight feet (8') in height may be placed on site. The placement and consideration of indirect or flood lighting shall be considered in approving the conditional use permit.
- 10. Food preparation must obtain the appropriate food handler's permits or other licensing through the county health department.
- 11. Amplified or excessive sounds operated by stereos, speakers, musical instruments, live music, concerts, festivals, accessory uses etc., shall comply with the Hyrum City Code Noise Disturbance. Applications for a permit for relief from the noise levels designated in the Hyrum City Code may be granted by the City Council through a Special Permit with conditions upon a reasonable time that the permit shall be effective and any conditions or requirements they deem necessary to minimize adverse effects upon the community of the surrounding neighborhood.
- 12. Hours of operation shall be within the hours of 7:00 a.m. and 10:00 p.m.

13. Accessory uses are subject to Hyrum City zoning ordinance, business license ordinance, and conditional use permits ordinance.
14. The use is subject to Hyrum City nuisance ordinances regarding garbage collection and disposal, weed control, dust, noise disturbance, and offenses against public peace, morals, and welfare. More than three (3) violations within a calendar year may result in the revocation of the conditional use permit and business license.

K. Vehicle Access and Parking Requirements.

1. Vehicle access locations and the number of parking spaces shall be considered in approving the conditional use permit.
2. Vehicle access shall be from a city street and shall be approved by the City Engineer. Access from any state highway shall be permitted by the Utah Department of Transportation.
3. Vehicle access and parking must provide adequate provisions of ingress and egress by standard-sized automobiles.
4. No on-street parking within the public right of way is permitted.
5. Parking stall are to be nine (9) feet by twenty (20) feet and be contained onsite of the agritourism site.
6. Parking stall setbacks shall be no closer than fifteen (15) feet from an abutting property line that is not included in the agritourism site.
7. If a building structure is included in the agritourism activity, a twenty (20) feet wide all-weather driveway surface from the public right of way to the building structure shall be required for fire and life safety emergency access on and off the site. The Fire Code Official shall inspect and provide a letter that emergency access is adequate.

L. Fire Safety Inspection Required.

1. The business license application shall be referred for approval to the Hyrum City Fire Department for investigation and inspection as to whether or not all ordinances and codes pertaining to fire and safety

compel compliance prior to the issuance of a business license.

3. REPEALER. All ordinances, resolutions, and zoning maps of the city, or parts thereof inconsistent herewith, are hereby repealed, but only to the extent of such inconsistency. This repealer shall not be construed as reviving any law, order, resolution or ordinance or part thereof.

4. DECLARATION OF SEVERABILITY. Should any provision, clause, or paragraph of this ordinance or the application thereof to any person or circumstance be declared by a court of competent jurisdiction to be invalid, in whole or in part, such invalidity shall not affect the other provisions or applications of this ordinance or the Hyrum City Municipal Code to which these amendments apply. The valid part of any provision, clause, or paragraph of this ordinance shall be given independence from the invalid provisions or applications and to this end the parts, sections, and subsections of this ordinance, together with the regulations contained therein, are hereby declared to be severable.

5. EFFECTIVE DATE. This ordinance shall become effective upon posting three (3) copies in three (3) public places within Hyrum City.

6. ADOPTION. This ordinance is hereby adopted and passed by the Hyrum City Council this 5<sup>th</sup> day of March, 2026.

HYRUM CITY

BY: \_\_\_\_\_  
Steve J. Miller  
Mayor

ATTEST:

\_\_\_\_\_  
Stephanie Fricke  
City Recorder

Posted: \_\_\_\_\_

<b>Roll Call Vote -</b>	<b>Aye</b>	<b>Nay</b>	<b>Absent</b>
Councilmember Steve Adams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Rebecca Foulger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Michael Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Nalyn Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Craig Rasmussen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## February 19, 2026 Ordinance Draft

### ORDINANCE 26-09

WHEREAS, on January 6, 1994, the Hyrum City Council passed and posted an ordinance adopting the "Hyrum City Municipal Code", a recodification of municipal ordinances encompassing the "Revised Ordinances of Hyrum City" and ordinances adopted through July 15, 1993; and

WHEREAS, Title 17 of the Hyrum City Municipal Code is known as the Zoning Ordinance of Hyrum City and sets forth regulations governing land use within the municipal limits; and

WHEREAS, Section 17.04.040 allows Title 17 of the Hyrum City Municipal Code, the Zoning Ordinance, to be amended by the City Council following fourteen days' notice and a public hearing; and

WHEREAS, the City Council has determined there is a need to amend Title 17 to further clarify those regulations governing zoning and other regulations controlling land use and development within Hyrum City.

NOW THEREFORE, upon recommendation of the Planning Commission and following a public hearing as required by Section 17.04.040, the Hyrum City Council hereby adopts, passes, and publishes the following:

AN ORDINANCE AMENDING TITLE 17 ZONING OF THE HYRUM CITY MUNICIPAL CODE TO CREATE CHAPTER 17.64 AGRITOURISM; AMENDING 17.04.070 DEFINITIONS TO INCLUDE AGRITOURISM ACTIVITIES AND AMENDING SECTIONS 17.22.030.C. AND 17.38.010 C. USE REGULATIONS TO INCLUDE "AGRITOURISM" AS A CONDITIONAL USE IN THE OPEN SPACE ZONE OS AND IN RESIDENTIAL AGRICULTURAL ZONE RA.

1. Section 17.04.070 Definitions of the Hyrum City Municipal Code is hereby added to read as follows:

Agricultural Enterprise - "Agricultural Enterprise" means a farm, ranch, or other agricultural operation.

Agritourism - "Agritourism" means the combination of agricultural production with tourism to attract participants from the general public to an agricultural enterprise for the entertainment, recreation, or education of participants.

## February 19, 2026 Ordinance Draft

Agritourism Activity - "Agritourism Activity" means an activity at an agricultural enterprise that a participant engages in or observes for entertainment, recreation, or education.

Agritourism Operator - "Agritourism Operator" means a person who provides an agritourism activity at an agricultural enterprise.

Artisan Goods Production - "Artisan Goods Production" means products that are produced on the agricultural enterprise in a skilled and traditional way that is made either completely by hand or with the help of hand-tools or even mechanical means, as long the direct manual contribution of the artisan remains the most substantial component of the finished product. (i.e., food, drinks, crafts, soap, or similar consumer products produced on the premises).

Entertainment Uses - "Entertainment Uses" means activities and structures that attract people to events or shows seasonally or periodically that are of a spectator nature. Entertainment can be indoors or outdoors.

Recreational Uses - "Recreational Uses" means activities and structures that are participatory in nature where guests are involved or may be observers. Recreational uses can be indoors or outdoors and correspond to the agricultural enterprise farming season.

2. Section 17.22.030 Use Regulations of the Hyrum City Municipal Code is hereby added to read as follows:

17.22.030 Use Regulations  
C. Conditional uses:  
7. Agritourism.

3. Section 17.38.010 Use Regulations of the Hyrum City Municipal Code is hereby added to read as follows:

17.38.010 Use Regulations  
C. Conditional uses:  
6. Agritourism.

4. Section 17.64 Agritourism of the Hyrum City Municipal Code is hereby added to read as follows:

## February 19, 2026 Ordinance Draft

### 17.64 Agritourism.

#### A. Purpose and Intent.

1. The purpose of this chapter is to support the agricultural heritage and rural open space in Hyrum City by providing agricultural enterprises who are committed to maintaining agricultural property the ability to generate additional income from agritourism activities.
2. The intent of this chapter ~~to~~ is to create uses that are accessory and incidentally related to an onsite agricultural enterprise that allow visitors ~~coming to~~ come to the site for entertainment, recreational, educational, or similar agriculture-oriented attractions.
3. The city has authority and obligation to regulate safety whenever agritourism attracts groups of people, vehicles, or whenever events concentrate people requiring sanitary facilities, access to public roads, existing safety, emergency access, avoidance of hazards, and fire safety.

#### B. Conditional Use Permit and Business License Required.

1. No agritourism activity use shall be conducted without first obtaining a conditional use permit and business license.

#### C. Supplemental Conditional Use Permit Application Narrative.

1. In addition to the conditional use permit application requirements listed in this Title, all agritourism applications shall be accompanied by a detailed narrative describing the agricultural enterprise and the overall vision for the proposed agritourism activities and shall also include the following:
  - a. Description of the anticipated changes to the agricultural enterprise, its general function and maintenance.
  - b. Description of the agritourism activities and how the agritourism is incidental and accessory to the agricultural enterprise, and a plan for how the agritourism operator will ensure the agritourism activities remains incidental and accessory in perpetuity.

### February 19, 2026 Ordinance Draft

- c. Description of the intended customer or clientele base that is expected to participate in the agritourism activities.
- d. Description of agriculturally related and non-agriculturally related types of facilities and equipment to be used for agritourism activities.
- e. Description of anticipated traffic, vehicle circulationscirculation, and parking plan that accommodates the parking needs for both employees and customer or clientele base.
- f. Description of hours of operation and anticipated number of visitors.

#### D. Plot Plan and Floor Plan Required.

- 1. A plot plan, as part of the conditional use permit, that includes property lines, location of all building structures including setbacks from property lines, entrances, and designated off-street parking.
- 2. A floor plan drawn to scale with labels on rooms indicating the proposed uses and includeincludes the square feet clear floor space area of each room.
- 3. Site plan approval shall be required as regulated by this Title.
- 4. Zoning clearance shall be required as regulated by this Title.

#### E. Agricultural Enterprise Qualifications and Classification.

- 1. The following establishes the qualifications and classification for agricultural enterprises based on acreage:
  - a. Small Agricultural Enterprise. Includes a legal parcel that is a lot size of one (1) to five (5) acres.
  - b. Large Agricultural Enterprise. Includes a legal parcel that is a lot size greater than five (5) acres in size; or contiguous legal parcels that accumulate more than five (5) acres in size.

#### F. Agritourism Activity Use Table.

- 1. The following agritourism activities are determined desirable in conjunction with a primary agricultural enterprise. The uses may be subject to other requirements in this Title. "C" denotes allowed

## February 19, 2026 Ordinance Draft

conditional use agritourism activities in agricultural enterprise classifications. "NA" denotes agritourism activities in agricultural enterprise classifications that are not allowed.

<u>AGRITOURISM ACTIVITY USE TABLE 17.64.F.1</u>			
<u>Agritourism Activity Uses</u>	<u>Small Agricultural Enterprise</u>	<u>Large Agricultural Enterprise</u>	<u>Activity Setback From Any Dwelling On An Adjacent Not Included In Agritourism</u>
<u>Artisan Goods Production</u>	<u>C</u>	<u>C</u>	<u>*100 Feet</u>
<u>Corn Maze</u>	<u>NA</u>	<u>C</u>	<u>150 Feet</u>
<u>Entertainment or Recreational Uses (barn dance, playhouse theater, haystack slide, climbing area etc.)</u>	<u>C</u>	<u>C</u>	<u>150 Feet</u>
<u>Family Events, Family Reunions</u>	<u>NA</u>	<u>C</u>	<u>150 Feet</u>
<u>Farm Tour (agricultural demonstrations, crop exploration, animal encounters)</u>	<u>C</u>	<u>C</u>	<u>*100 Feet</u>
<u>Market for Multi Farmers / Off-site Products</u>	<u>C</u>	<u>C</u>	<u>*100 Feet</u>

**February 19, 2026 Ordinance Draft**

<u>Passenger Rides (tractor, sleigh, wagon, etc.)</u>	<u>NA</u>	<u>C</u>	<u>150 Feet</u>
<u>Weddings, Wedding Receptions</u>	<u>NA</u>	<u>C</u>	<u>150 Feet</u>
<u>Any Other Approved Agritourism Use</u>	<u>C</u>	<u>C</u>	<u>C</u>
*Setback distances in this table shall be reduced by up to one-half the setback distance when a continuous six-foot tall opaque fence is installed that screens the potential visual and audible impacts to dwellings on an adjacent lot.			

G. Agritourism Activity Uses that shall not be considered as an approved agritourism use:

1. Overnight Accommodations (lodging house, recreational vehicles, camping, etc.).
2. Assembly of one thousand (1,000) guests or more (i.e., festivals, concerts, etc.).

H. Standards.

1. Proximity of agritourism activities to adjacent properties, existing buildings, and uses shall be considered in approving the conditional use permit.
2. Agritourism activities, structures and parking shall not be located within the minimum front yard setback.
3. New construction shall comply with the requirements of the City Code for accessory buildings.
4. The use is subject to Hyrum City zoning ordinance, business license ordinance, and conditional use permits ordinance.
5. The use is subject to Hyrum City nuisance ordinances regarding garbage collection and disposal, weed control, noise disturbance, and offenses against public peace, morals, and welfare. More than three (3) violations within a calendar year may result in the revocation of the conditional use permit and business license.

## February 19, 2026 Ordinance Draft

6. The agritourism site exterior lighting shall prevent glare onto adjacent properties and shall be dark-sky sensitive.

### I. Parking Requirements.

1. All agritourism activities shall provide adequate off-street parking. No on-street parking within the public right of way is permitted.
2. Parking stalls are to be nine (9) feet by twenty (20) feet and be contained on agritourism site.
3. Any lights used to illuminate parking shall be arranged to reflect the light away from any dwelling on an adjacent lot.
4. All required parking must provide adequate provision of ingress and egress by standard-sized automobiles.
5. If a building structure, existing or new is included in the agritourism activity, a twenty (20) feet wide all-weather driveway surface from the public right of way to the building structure shall be required for fire and life safety emergency access on and off the site.

### J. Fire Safety Inspection Required.

1. The business license application shall be referred for approval to the Hyrum City Fire Department for investigation and inspection as to whether or not all ordinances and codes pertaining to fire and safety compel compliance prior to the issuance of a business license.

5. REPEALER. All ordinances, resolutions, and zoning maps of the city, or parts thereof inconsistent herewith, are hereby repealed, but only to the extent of such inconsistency. This repealer shall not be construed as reviving any law, order, resolution or ordinance or part thereof.

6. DECLARATION OF SEVERABILITY. Should any provision, clause, or paragraph of this ordinance or the application thereof to any person or circumstance be declared by a court of competent jurisdiction to be invalid, in whole or in part, such invalidity shall not affect the other provisions or applications of this ordinance or the Hyrum City Municipal Code to which these amendments apply. The valid part of any provision, clause, or

**February 19, 2026 Ordinance Draft**

paragraph of this ordinance shall be given independence from the invalid provisions or applications and to this end the parts, sections, and subsections of this ordinance, together with the regulations contained therein, are hereby declared to be severable.

7. EFFECTIVE DATE. This ordinance shall become effective upon posting three (3) copies in three (3) public places within Hyrum City.

8. ADOPTION. This ordinance is hereby adopted and passed by the Hyrum City Council this 19<sup>th</sup> day of February, 2026.

HYRUM CITY

BY: \_\_\_\_\_  
Steve J. Miller  
Mayor

ATTEST:

\_\_\_\_\_  
Stephanie Fricke  
City Recorder

Posted: \_\_\_\_\_

<b>Roll Call Vote -</b>	<b>Aye</b>	<b>Nay</b>	<b>Absent</b>
Councilmember Steve Adams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Rebecca Foulger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Michael Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Nalyn Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Craig Rasmussen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



60 West Main Street  
Hyrum, Utah 84319  
Ph. (435) 245-6033  
www.hyumcity.gov

## City Council Agenda Information

**To:** Mayor Steve Miller and City Council

**From:** Stephanie Fricke, City Recorder

**Date:** March 2, 2026

**Subject:** Ordinance 26-11 is an Ordinance amending Sections 9.44.040 Cigars, Cigarettes and Tobacco Prohibitions, 9.52.030 Permitting Use by Minors in Place of Business, 9.52.040 Furnishing to Minors, and 9.52.050 Buying or Possessing by Minors of Title 9 Public Peace, Morals, and Welfare of the Hyrum City Municipal Code to change the minimum age from nineteen (19) to twenty-one (21) years.

### Summary:

The proposed ordinance is being presented to amend Sections 9.44.040, 9.52.030, 9.52.040, and 9.52.050 of the Municipal Code of Hyrum City to update the minimum legal age for the sale, furnishing, purchase, possession, and use of tobacco and electronic cigarette products from nineteen (19) years to twenty-one (21) years.

This amendment is necessary to ensure the City's code is consistent with current state and federal law, including Utah House Bill 324 and the federal Tobacco 21 legislation enacted in 2019. Aligning the City's ordinances with these legal standards helps avoid conflicts in enforcement and ensures retailers and residents are subject to uniform age requirements.

In addition to maintaining legal compliance, the ordinance supports public health objectives by reducing youth access to tobacco and nicotine products. Research consistently shows that raising the minimum legal sales age decreases initiation rates among adolescents and young adults, thereby lowering long-term health risks associated with nicotine addiction. Updating the Municipal Code will strengthen local enforcement authority, provide clarity to businesses and law enforcement, and reinforce the City's commitment to protecting the health, safety, and welfare of the community.

ORDINANCE 26-11

WHEREAS, on January 6, 1994, the Hyrum City Council passed and posted an ordinance adopting the "Hyrum City Municipal Code", a recodification of municipal ordinances encompassing the "Revised Ordinances of Hyrum City" and ordinances adopted through July 15, 1993; and

WHEREAS, Title 9 of the Hyrum City Municipal Code sets forth regulations governing public peace, morals, and welfare, including the sale and use of cigarettes, tobacco, and psychotoxic chemicals; and

WHEREAS, the City Council of Hyrum City finds that the use of tobacco products, electronic cigarette products, and nicotine products by persons under the age of twenty-one (21) poses significant risks to public health and safety; and

WHEREAS, the United States Congress amended the Federal Food, Drug, and Cosmetic Act in December 2019 to raise the federal minimum legal sales age for tobacco products from nineteen (19) to twenty-one (21); and

WHEREAS, the State of Utah enacted Utah House Bill 324, which amended provisions of the Utah Code to raise the minimum age for the sale and furnishing of tobacco products and electronic cigarette products from nineteen (19) to twenty-one (21); and

WHEREAS, Utah law requires local municipalities to enforce state tobacco regulations and to ensure that local ordinances are consistent with state and federal law; and

WHEREAS, the City Council finds it necessary and appropriate to amend the Hyrum City Municipal Code to conform with Utah law and federal law by prohibiting the sale, furnishing, distribution, possession, and use of tobacco products by persons under twenty-one (21) years of age;

NOW, THEREFORE, the Hyrum City Council hereby adopts, passes, and publishes the following:

AN ORDINANCE AMENDING SECTIONS 9.44.040 CIGARS, CIGARETTES AND TOBACCO PROHIBITIONS, 9.52.030 PERMITTING USE BY MINORS IN PLACE OF BUSINESS, 9.52.040 FURNISHING TO MINORS, AND 9.52.050 BUYING OR POSSESSING BY MINORS OF TITLE 9 PUBLIC PEACE, MORALS, AND WELFARE OF THE HYRUM CITY MUNICIPAL CODE TO CHANGE THE MINIMUM AGE FROM NINETEEN (19) TO TWENTY-ONE (21) YEARS.

Ord. 26-11

Page 2

BE IT ORDAINED by the City Council of Hyrum City, Cache County, State of Utah, as follows:

1. Section 9.44.040 of the Hyrum City Municipal Code is hereby amended as follows:

**9.44.040 Cigars, Cigarettes And Tobacco-Prohibitions**

- A. A person is guilty of a class C misdemeanor if he sells, gives or furnishes in any manner any cigar, cigarette or tobacco in any form to any minor under the age of ~~nineteen~~ twenty-one (21) years.
- B. A minor under the age of ~~nineteen~~ twenty-one (21) years commits a class C misdemeanor if he possesses, purchases or accepts any cigar, cigarette or tobacco in any form.
- C. Any person who maintains in his place of business a tobacco vending machine accessible to persons under the age of ~~nineteen~~ twenty-one (21) years or provides any method of self-help for the disposition to persons under the age of ~~nineteen~~ twenty-one (21) years by gift, sale or otherwise of any cigarette or cigarette paper or wrapper or any paper made or prepared for the purpose of making cigarettes or tobacco in any form whatsoever is guilty of a class C misdemeanor. Cigarette vending machines shall be deemed accessible to persons under the age of ~~nineteen~~ twenty-one (21) years except:
  - 1. Where they are in locations where persons ~~nineteen~~ twenty-one (21) and under are prohibited;
  - 2. Where the machine can be operated only by the owner or his employee, either directly or through a remote control device which is inaccessible to the customer and must be operated for each sale;
  - 3. In private industrial locations where only adult employees are customarily allowed, provided such locations are inaccessible to persons under age ~~nineteen~~ twenty-one (21) years;
  - 4. In adult private clubs; provided, that such locations are inaccessible to persons under the age of ~~nineteen~~ twenty-one (21) years. (Prior code § 13-311; Ord. 26-11)

2. Section 9.52.030 of the Hyrum City Municipal Code is hereby amended as follows:

**9.52.030 Permitting Use By Minors In Place Of Business**

It is a class C misdemeanor for the proprietor of any place of business to knowingly permit persons under age ~~nineteen~~ twenty-

Ord. 26-11

Page 3

one (21) years to frequent a place of business while they are using tobacco. (Prior code § 13-1013; Ord. 26-11)

3. Section 9.52.040 of the Hyrum City Municipal Code is hereby amended as follows:

**9.52.040 Furnishing To Minors**

Any person who sells, gives or furnishes any cigars, cigarettes or tobacco in any form, to any person under the age of ~~nineteen~~ twenty-one (21) years of age, is guilty of a class C misdemeanor. (Prior code § 13-1014; Ord. 26-11)

4. Section 9.52.050 of the Hyrum City Municipal Code is hereby amended as follows:

**9.52.050 Buying Or Possessing By Minors**

Any person under the age of ~~nineteen~~ twenty-one (21) years who buys, accepts or who has in his possession any cigar, cigarette or tobacco in any form is guilty of a class C misdemeanor, or may be classified as a delinquent child and referred to the juvenile courts. (Prior code § 13-1015; Ord. 26-11)

5. REPEALER. All ordinances, and resolutions of the City, or parts thereof inconsistent herewith, are hereby repealed, but only to the extent of such inconsistency. This repealer shall not be construed as reviving any law, order, resolution or ordinance or part thereof.

6. DECLARATION OF SEVERABILITY. Should any provision, clause, or paragraph of this ordinance or the application thereof to any person or circumstance be declared by a court of competent jurisdiction to be invalid, in whole or in part, such invalidity shall not affect the other provisions or applications of this ordinance or the Hyrum City Municipal Code to which these amendments apply. The valid part of any provision, clause, or paragraph of this ordinance shall be given independence from the invalid provisions or applications and to this end the parts, sections, and subsections of this ordinance, together with the regulations contained therein, are hereby declared to be severable.

7. EFFECTIVE DATE. This ordinance shall become effective upon posting three (3) copies in three (3) public places within Hyrum City.

8. ADOPTION. This ordinance is hereby adopted and passed by the Hyrum City Council this 5<sup>th</sup> day of March, 2026.

HYRUM CITY

BY: \_\_\_\_\_  
Steve J. Miller  
Mayor

ATTEST:

\_\_\_\_\_  
Stephanie Fricke  
City Recorder

Posted: \_\_\_\_\_

<b>Roll Call Vote -</b>	<b>Aye</b>	<b>Nay</b>	<b>Absent</b>
Councilmember Steve Adams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Rebecca Foulger	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Michael Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Nalyn Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Councilmember Craig Rasmussen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



60 West Main Street  
Hyrum, Utah 84319  
Ph. (435) 245-6033  
www.hyrumcity.gov

## City Council Agenda Information

**To:** Mayor Steve Miller and City Council  
**From:** Kade Maughan, Public Works Director  
**Date:** March 3, 2026  
**Subject:** Consideration and award of bid for replacement of the Elite Hall roof.

### Summary:

Hyrum City recently solicited bids from three contractors for the emergency replacement of the Elite Hall roof after City Staff discovered a substantial leak in the southwest corner of the building. The leak caused significant damage to the ceiling, walls, and flooring. Inspection revealed that the roof membrane had become loose and shifted, causing roof drains to divert water into the attic and ceiling rather than through the downspouts. In addition to replacing the roof, contractors are evaluating the extent of wall, floor, and ceiling damage. Testing for asbestos, lead, and potential mold is also being recommended prior to completing interior repairs.

The City received three bids for the project with a 60 mil roof membrane: Island Heights Construction at \$41,600 with a 20-year warranty; Mountain Peak Builders at \$42,958 with a 20-year warranty; and Homer Roofing at \$88,800. Although Island Heights Construction submitted the lowest base bid, Mountain Peak Builders provided a bid for an 80 mil with a 30-year warranty - increasing the roof membrane thickness from 60 mil to 80 mil for an additional cost of \$7,297. This upgrade would provide enhanced durability and maintain the 30-year warranty coverage. With the upgraded membrane included, the total recommended award to Mountain Peak Builders would be \$50,255. Staff believes this investment will provide greater long-term protection for the Elite Hall and help prevent similar issues in the future.

**Recommendation:** City Staff is recommending awarding the bid for the replacement of the Elite Hall roof to Mountain Peak Builders for an 80 mil membrane with a 30 year warranty for \$50,255.

### City Council Meeting Details:

Meeting Date: March 5, 2026  
Council Role: Legislative with Roll Call Vote

### Attachments:

Bids from Island Heights Construction, Mountain Peak Builders, and Homer Roofing.

Mountain Peak Builders, Inc.  
 dba Mt. Peak Roofing  
 135 South 700 West  
 Logan, UT 84321

Phone# 435-787-4174  
 Fax: 435-213-3160  
 Email: [estimating@mtpeakroofing.com](mailto:estimating@mtpeakroofing.com)

# Estimate

Date	Estimate #
3/3/2026	20719

NAME/ADDRESS
Hyrum City 83 West Main St Hyrum, UT 84319

JOB ADDRESS
Hyrum City Elite Hall 60 West North Main Street Hyrum, UT 84319

PROJECT	ESTIMATOR	ADDITIONAL CONTACT	PHONE NUMBER
Re-roof	Zane	Vincent 435-994-4808	Office 435-245-6033

Description	Total
Tear off the existing single-ply roof and the recovery board under the EPDM, leaving any other insulation and/or other layers of roofing. Provide building protection from falling debris during the tear-off process. Clean up and dispose of debris.	\$9,130.00
Install a fanfold recovery board over the roof deck and fasten Versico 60 Mil TPO Membrane to the roof. Wrap walls with membrane and other flashing details. Install TPO drip edge on roof perimeter. Includes a 2 year Labor and 20 year Materials Warranty.  Alternate #1: Install Versico 80 Mil TPO Membrane Includes a 2 year Labor and 30 year Materials Warranty. Add to Base Bid \$7,297.00	\$28,888.00
Remove the old metal cap and install 24 gauge standing seam parapet cap metal. Shop fabricated to 10' lengths. Standard colors. (If we do not do the cap metal we will terminate the membrane under the cap metal. If we replace the cap metal we will wrap the membrane up and over the wall and install the cap metal over the new membrane.)	\$4,940.00

<b>Total</b>	\$42,958.00
--------------	-------------

BID GOOD FOR 30 DAYS. Pricing is based on current market and is subject to change with price increases from manufacturers. Material and work to be completed as specified. Changes will be executed upon written orders and may change the cost as outlined above. Owner to carry fire and other necessary insurance. Snow removal to be done by general contractor/owner or additional charges will incur. PAYMENT TERMS: Payment due upon receipt of invoice. Purchaser agrees to pay a FINANCE CHARGE of 2% per month. (24% Per Annum) On any unpaid balance after 30 days. Purchaser also agrees to pay a \$5.00 REBILLING SERVICE CHARGE per month on any unpaid balance after 30 days. If account is referred to an attorney or collections, purchaser further agrees to pay reasonable attorney's and collection agency's fees, with or without suit, and all costs of suits should it become necessary.

# ISLAND HEIGHTS CONSTRUCTION INC.

Section 11. Item C.

**260 W 3700 N PO BOX 33  
Hyde Park, UT 84318  
PHONE 1-435-753-7403  
FAX 1-435-753-7452**

## **Bid Proposal**

**Date:02/26/2026**

**ATTN: Vince  
RE: Price to reroof the Elite Hall**

We propose to remove and dispose of the existing membrane roofing. We will then install a ½" EPS fanfold cover board over the existing insulation. We will then install a new .60 mil TPO membrane roof system complete with all flashings to manufacturers specifications. We will install a new TPO membrane coated metal drip edge.

**TOTAL..... \$40,500.00  
Optional 20 year warranty an additional..... \$1,100.00**

**NOTICE:** We did not see what condition the existing walls are in. It may be necessary to install plywood on the outside of the walls to flash them in properly. If this is the case we would also need to install new parapet caps. The addition of both the plywood and new caps would have to be added later as they are not included in this price.

Casey Ringer  
President

We included sales tax on this bid. If this project would be tax exempt you may deduct \$1,450 from the total above.



## TPO MEMBRANE ROOFING ESTIMATE

DEC 08, 2025

### VINCE NEUMILLER

98 West Main Street  
Hyrum, UT  
84319  
vincent.neumiller@hyrumcity.gov  
4359944808

[devin@homerroofing.net](mailto:devin@homerroofing.net)  
4357640378

# INTRODUCTION

Hello Vince,

Congratulations! The search for your **Worry Free Roof** is over!

We at Homer Roofing, are committed to making your experience both seamless and enjoyable, and we're delighted to introduce ourselves as your trusted partner in Roofing.

Since 2003, we've been providing roofing services to valued clients like yourself. Our dedication to quality, professionalism, and personalized service has earned us the trust of thousands of customers across the region. We understand how important it is to feel confident in the companies you work with, and we want to assure you that your satisfaction is our top priority.

**We recognize that safeguarding the people and possessions that hold the most value to you is of utmost importance.** Your roof serves as the primary shield against the forces of nature, shielding your home from the elements and ensuring that everything inside remains safe and dry.

Thank you for considering Homer Roofing. We look forward to the opportunity to provide you with the outstanding **Worry Free Roof** you deserve!

Check out some of our recent google reviews! <https://g.co/kgs/1s8wUwV>

Devin Daniels  
devin@homerroofing.net  
4357640378

# INSPECTION







# ESTIMATE DETAILS

## Description

### TPO Membrane Roofing - Details of your roof installation is as follows:

#### ROOF PREPARATION

Tear off and dispose of existing shingles and currently present roofing system down to the decking  
1 layer EPDM tear off

#### ROOF DECKING

Re-nail loose wood. Any bad/rotten wood discovered will be replaced at \$85/Sheet (2 Sheets are included in this price)

#### DRIP EDGE

TPO clad metal drip edge installed at all roof edges

#### INSULATION BOARD

Insulation Board to be installed directly on roof deck before membrane is installed.

#### TPO MEMBRANE

New TPO membrane to be installed and heat welded at all seams. 60 mil thickness.

#### FLASHING

Installation of all necessary TPO flashings along walls, around pipes, chimneys, etc.

#### CLEAN UP AND DISPOSAL

Clean up and remove all job-related debris. Magnet sweep site for nails

<b>Estimate subtotal</b>	\$88,800.00
<b>Total</b>	\$88,800.00

# AUTHORIZATION PAGE

**Estimate Details**

\$88,800.00

**Name:** Vince Neumiller

**Address:** 98 West Main Street, Hyrum, UT

Estimates valid for 30 days from date of estimate

## Deposit

A 50% deposit is required to schedule your project

50%

## Customer Comments / Notes

**Vince Meumiller:**

**Date:**

# TERMS AND CONDITIONS

I certify that I am the registered owner of the above project property, or have the legal permission to authorize Homer Roofing- Logan Office to perform the work as stated and agree to pay the total project price.

I understand that if roof rot is discovered during tear-off Homer Roofing- Logan Office will call me for authorization for additional costs incurred for wood replacement.Homer Roofing- Logan Office will replace the rotted sheathing at a rate of \$85/sheet.

I understand that I and am not responsible for material shortage and have no claim to material surpluses.

I understand that payment in full is due upon completion of work. All invoices not paid in full after 30 days will be subject to a 2% per month interest charge.

I understand that a 50% deposit is required upon entering this contract to order materials and to schedule your project.

You may cancel this contract at any time before work begins. If you cancel this contract, the seller has 15 days to refund any deposits paid. You must give notice of cancellation by a method that will allow you to prove that you gave notice, including registered mail, fax or by personal delivery.

Third party financing is available by request.

\*Credit/Debit card payments are subject to a processing fee\*

# WARRANTY

## Workmanship Warranty;

Homer Roofing- Logan Office offers a free lifetime warranty against any defect that results due to poor workmanship.

Homer Roofing- Logan Office will complete repairs within the original project's scope of work at no charge to the customer. This warranty does not cover normal wear and tear, hail damage, wind damage, or other damage caused. This warranty only applies to portions of the project in which Homer Roofing fully replaced any existing products, and does not cover repairs or service done to another contractor's work.

\*Defects in the building materials used to complete work do not fall under the scope of this workmanship warranty; any building products installed will instead be covered by the product's original manufacturer warranty.

## Manufacturer Warranty;

Manufacturer warrants against all material defects. See attached manufacturer warranty information form for more details.

**Re: Letter of Support for Hyrum Fire Department Ambulance Service – Hyrum City**

To Whom It May Concern,

I am writing this letter in strong support of the Hyrum Fire Department establishing and operating a municipal ambulance service for Hyrum. Based on the proposal presented, it is clear that this initiative is both necessary and well-planned, and it meets the requirements and expectations set forth by the Utah Bureau of Emergency Medical Services.

The proposal outlines compliance with state licensing, medical direction, training standards, equipment requirements, and operational protocols consistent with Utah EMS Bureau regulations. The department has demonstrated the administrative structure, staffing plan, and commitment to ongoing education necessary to operate a safe, reliable, and professional ambulance service. In addition, local oversight and accountability would ensure high standards of service delivery and fiscal responsibility.

Establishing a municipal ambulance service will strengthen emergency preparedness, improve public safety infrastructure, and provide long-term stability for EMS coverage in Hyrum City. This program reflects forward-thinking leadership and a commitment to meeting the growing needs of our community.

For these reasons, I respectfully request that the Utah Bureau of Emergency Medical Services give full consideration and approval to Hyrum Fire Department’s application to provide ambulance services within Hyrum City.

Thank you for your time and consideration.

Sincerely,

Mayor \_\_\_\_\_  
Hyrum, Utah



# OFFICIAL PROPOSAL

From the Hyrum City Fire Department

FOR THE DELIVERY OF 911 EMERGENCY  
MEDICAL SERVICES FOR THE CITY OF HYRUM

Dear Hyrum City Officials,

Hyrum City Fire Department (HFD) is submitting a formal proposal to develop and provide a ground ambulance service, Advanced EMT ambulance service, and medical standby services for Hyrum City limits. Along with contracting a Paramedic service with a neighboring department.

Since 1954, HFD has proudly served the Hyrum City Community as a Volunteer Department. For over seventy years HFD has provided the Hyrum area with all-hazards, professional fire service. We are eager to grow our department along with the city and continue serving our community.

In conclusion, our EMS Division can substantially continue to grow and enhance the level of EMS available to Hyrum City and surrounding areas that may want to contract with HFD. It is reasonably economical for constituents and has the flexibility to grow as the City's Population grows. With emphasis on cost, quality, and access goals, HFD is poised to provide a high level of professionalism and service to our community.

Sincerely,

### Scope Fulfillment

The Hyrum City Fire Department (HFD) has been functioning as a volunteer fire department since 1954 and has been providing quick response medical services since 1981. HFD history shows a commitment by community members to volunteer to provide the best possible care to its residents. HFD hired two fulltime employees in 2023 to cover daytime hours Monday through Friday. HFD is looking to expand and provide an Advanced EMT Ambulance service with a contracted paramedic when needed. Under the advice and oversight of the Offline Medical Director Dr. Bill Betz. HFD would Hire six fulltime FireFighter AEMT so that we have coverage 24 hours a day, seven days a week, 365 days per year. Along with a full time Chief and full time assistant Chief Monday through Friday 730-400 to run calls and do the administrative functions. Volunteers fill in the evenings and weekends. We will also utilize our volunteers to cover shifts. We would not need them to cover during the day because the chief and assistant Chief can fill in. This would cut down on overtime pay. We currently have eleven AEMTs, nine EMTs, two in the EMT class and one in the AEMT Class. With our current staffing it makes now a great time to make the transition.

### Key Personnel

The Fire Chief oversees the EMS division, including the budget, monitoring revenue, and asset management. The assistant Chief of EMS oversees all operations within the EMS system. The Training officer administers all EMS training with the oversight from the Assistant Chief of EMS.

Tony Stauffer, Fire Chief  
Certified EMT for 12 years  
16 Years with HFD, 3 Years in position

Chris Crockett  
Assistant Chief of fire operations  
Certified EMT 10, AEMT for 2 Years  
20 Years with HFD, 3 Years in position

Luke Schmid, Assistant Chief of EMS  
Certified EMT 9 years, AEMT for 2 Years  
11 years with HFD, 3 Years in position

Melanie Digerness, EMS Training Officer  
Certified EMT 5 years, AEMT for 3 Years  
5 years with HFD, 3 Years in position

### Staffing and Deployment Plan

HFD would operate out of one station and provide Advanced EMT ambulance services to Hyrum City and (possibly surrounding areas including unincorporated cache county)

Emergency calls will be received via the Logan City Police 911 Communications Center (Dispatch) located at 62 West 300 North in Logan, Utah. Once dispatch receives a call they will page our Station 80. We will send the Ambulance with 2 personnel (minimum of 1 AEMT and 1 EMT), along with a squad with 2-4 personnel (minimum of 1 AEMT) to assist. If the call requires it we will have a Paramedic respond from a contracted agency. If station 80 is on another call then dispatch will page out the next closest station according to mutual aid agreements. (Considering a second ambulance that volunteers could staff if one is out)

Staffing: HFD would have 2 personnel on 24 hr shifts 7 days a week (minimum of 1 AEMT and 1 EMT) and fill in with Administrative staff and volunteers.

## Apparatus and Medical Equipment plan

Apparatus/ equipment	Quantity	Maintenance	Replacement plan
Ambulance	1	In house	Purchase used one to start, replace with new in 2 years
Squad	1	In house	Replace in 5 years then every 10 years
Chief Response Vehicle	1	In house	Replace every 10 years
Cardiac monitor	2	Preventative maintenance plan	Purchase initial one, replace in 10 years
Lucas Device	2	Preventative maintenance plan	Purchase initial one, replace in 10 years
Stair chair	2	Preventative maintenance plan	Purchase initial one, replace in 10 years

QA/QI Methodology and Medical Oversight Plan

In an effort to maintain the Highest level of care and service to the community, HFD will implement a multi-level Quality Assurance (QA) program administered by the Assistant Chief of EMS in accordance with Utah Rule (R911-2-1400). Each Patient Care Report (PCR) will be reviewed by a peer who assisted with patient care, and then by the Assistant Chief of EMS for final review. All discrepancies are corrected through this two-step QA process prior to being uploaded to a secure state database. Our Offline Medical Director reviews the PCRs from high acuity patients and provides feedback and training as needed.

#### Fee Proposal

Refer to separate Document titled HFD Fee proposal for EMS.

#### Current Assignments

February 1, 2024 - January 31, 2028 First responder EMT services for Hyrum City.

#### Timeline for service Transition and Implementation

If selected and ratified by Hyrum City Municipal Council, The services described will begin January 1, 2027.

<b>EMS</b>		
<b>Personell</b>		<b>\$1,030,500</b>
2 admin	\$300,000	
6 fire/emt	\$600,000	
Volunteers	\$40,000	
overtime	\$30,000	
part time employees	\$0	
Seasonal employees	\$0	
employee benefits	\$2,500	
pager pay	\$15,000	
Adminstrative Fees	\$43,000.00	
<b>Professional services</b>		<b>\$73,000</b>
Travel/training	\$10,000	
Professional and technical	\$5,000	
Software	\$20,000	
Offline medical director	\$13,000	
Billing services	\$20,000	
supply maintance contract (zolls maint)	\$5,000	
<b>Supplies and other services</b>		<b>\$86,300</b>
Subscriptions/memberships	\$200	
Office supplies	\$500	
utilities	\$9,000	
communications	\$5,000	
gasoline	\$5,000	
Telephone	\$2,400	
Medical supplies	\$30,000	
uniforms	\$6,000	
Telephone	\$1,200	
Misc services		
Insurance	\$25,000	
Reimbursable		

patient refunds	\$2,000	
<b>Minor equipment and maintenance</b>		<b>\$5,000</b>
Equipment maintenance	\$5,000	
Non capitalized equipment	\$0	
<b>capital investments</b>		<b>\$350,000</b>
Monitors	\$100,000	
capitalized equipment Ambulance	\$250,000	
<b>EMS total Budget</b>		<b>\$1,544,800</b>

<b>Fire</b>		
<b>Personell</b>		<b>\$102,000</b>
Admin	\$0	
Fire/emt	\$0	
Volunteers	\$50,000	
overtime	\$10,000	
part time employees	\$0	
Seasonal employees	\$0	
employee benefits		
pager pay	\$5,000	
Wildland wages	\$37,000.00	
<b>Professional services</b>		<b>\$17,000</b>
Travel/training	\$10,000	
Professional and technical	\$5,000	
Software	\$2,000	
<b>Supplies and other services</b>		<b>\$81,100</b>
Subscriptions/memberships	\$200	

Office supplies	\$500	
utilities	\$0	
communications	\$5,000	
gasoline	\$3,000	
Telephone	\$1,200	
Fire supplies and equipment	\$30,000	
Telephone	\$1,200	
wildland expenses	\$15,000	
Insurance	\$25,000	
<b>Minor equipment and maintenance</b>		<b>\$40,000</b>
Equipment maintenance	\$5,000	
Non capitalized equipment (turnouts)	\$35,000	
<b>capital investments</b>		<b>\$0</b>
Buildings	\$0	
capitalized equipment	\$0	
<b>Total fire budget</b>		<b>\$240,100</b>

<b>Total budget</b>	<b>\$1,784,900</b>		
<b>existing fire budget</b>	<b>-\$373,600</b>		
existing EMS budget	-\$62,100		
Ambulance contract	-\$190,000		
Ambulance Revenue	-\$354,244		
Wildland Revenue	-\$85,000		
nibley	-\$344,600		
millville	-\$99,600		
Inspections	-\$4,000		
Total cost	\$271,756		



60 West Main Street  
Hyrum, Utah 84319  
Ph. (435) 245-6033  
www.hyumcity.gov

## City Council Agenda Information

**To:** Mayor Miller and City Council  
**From:** Larry Coleman; Power Superintendent  
**Date:** 2/25/2026  
**Subject:** Approval of low bid on 300 South Underground Project

**Summary:** As part of our ongoing efforts to enhance and build a stronger more reliable power system, Hyrum City Power & Light has identified projects that would help accomplish this goal. One of the projects will be to install a 600-amp capable circuit from Hammer Substation to 800 East on 300 South. In preparing our 2025/2026 FY budget, we allocated money to this project. We initiated an RFP to solicit bids for a contractor to install roughly 3600 feet of underground PVC conduit along 300 south. We received bids from five (5) different contractors. After conducting a bid opening on Friday February 20<sup>th</sup>, Legrand Johnson Construction came is as the apparent low bid at a cost of \$73,463.03. We have budgeted for this project \$207,000. This includes contractor work, Hyrum City crews to directional drill the roadways and driveways, high-voltage cable, and associated materials. I reviewed the submitted bid and found that it fulfills all the requirements for the scope of work that we proposed. Upon review and consideration by City Council, we would recommend approving Legrand Johnson Construction as the contractor for this project.

**Recommendation:**

Larry Coleman is recommending Legrand Johnson Construction as the contractor for the 300 South Underground Installation Project.

**City Council Meeting Details:**

- Meeting Date: March 5, 2026
- Council Role: Approval of Legrand Johnson Construction as Contractor for 300 South Project

**Attachments:**

1

**Hyrum City - Bid Request/Bid Return Tabulation Sheet**  
**300 South Underground Power Installation Project**

Section 11. Item E.

File #: \_\_\_\_\_

City: Hyrum City

Date Bids Due: Feb. 20, 2026

Date Stated Bids Will Be Opened: Feb. 20, 2026

Date Bids Opened: Feb. 20, 2026

County: Cache

Time Bids Due: 14:00pm

Time Stated Bids Will Be Opened: 14:00pm

Time Bids Opened: 14:05pm

Company	Contact Name	Phone	Fax	Email	Address	City	Date Sent Bid	Date Recv'd Bid	Time Recv'd Bid	Bid Amount	Comment
<a href="#">Tempest Enterprise</a>								2/20/2026	11:00am	\$150,490.26	
<a href="#">Juniper Earthworks</a>								2/20/2026	12:59pm	\$101,560	
<a href="#">Beck Construction</a>								2/20/2026	1:11pm	\$148,978	
Legrand Johnson								2/20/2026	1:43pm	\$73,463.03	
Tbailey Construction								2/20/2026	1:47pm	\$164,771.20	

Bids opened by: Todd Perkins

Awarded to: \_\_\_\_\_  
 (if not awarded to lowest bidder, provide explanation)

Witnessed by: Larry Coleman

Date Awarded: \_\_\_\_\_

\_\_\_\_\_ Date Posted or Notified Bidders of Results: \_\_\_\_\_

*\*\*\* Winner is the lowest bidder, unless the lowest bid was disallowed. Bids are disallowed when they are not submitted by the due date and time, there are mathematical errors, or measures are not submitted with a cost. Contractors submitting a bid, who have the maximum number of open jobs, are also disallowed.*



# Hyrum City 300 South

300 South Underground Conduit & Switch Base Installation

For: Hyrum City Power & Light | By: Tempest Enterprises | Feb 19, 2026 at 2:02 PM

**TEMPEST**  
ENTERPRISES

## PRICING

Item	Description	Qty	Unit Price	Total
Trenching/Conduit Installation	Trenching/Conduit Installation	3,520	\$39.51/LF	\$139,061.62
600A Switch Base Setting & Leveling	600A Switch Base Setting & Leveling	8	\$1,553.58/EA	\$12,428.64
<b>TOTAL</b>				<b>\$151,490.26</b>

## INCLUSIONS

Materials (Contractor-Furnished)

- Caution / warning tape — Red "Caution: Buried Electric Line" detectable tape, 8" wide minimum, installed 12" above conduit per spec (3,520+ LF)
- Bedding sand — Sand envelope per spec (2" below conduit, 4" above conduit); quantity per approved design
- Backfill materials — Native material (excavated spoil) for backfill and compaction. Import backfill, haul-off spoils, and slurry excluded.
- Ground rods — 5/8" x 8' copper clad, UL listed (2 per switch base); contractor-furnished
- Pull rope — 2,500 lb test pull rope in all conduits (10,860 LF)
- Restoration materials — Concrete, asphalt, sod/topsoil as required to restore disturbed surfaces to original condition
- Asphalt restoration at road crossings — We calculated a 1 ft overcut on each side of trench (3 ft total width) for saw cut and asphalt replacement at road crossings. This overcut can be removed from the bid if owner prefers minimal replacement width.
- Topsoil — Included for sections where we are trenching in sod; topsoil placed prior to sod/seed to restore lawn areas to original condition

Mason Earl, Estimator | Tempest Enterprises

(801) 300-7429 • mason@thetempestco.com

- Sod replacement — New sod for disturbed lawn/grass areas in the conduit run. This item can be removed from the bid if sod replacement is not necessary (e.g., if owner prefers strip-and-relay of existing sod or seed restoration instead).
- Work zone signage — Basic work zone signs (e.g., "Construction Ahead") as required for the work; contractor provides. Full traffic control (flaggers, lane closures) excluded unless scope requires.

#### Labor & Installation

- Trenching — Excavation for conduit and switch bases per specified depths and widths (48" min cover primary; 30" secondary where applicable)
- Conduit installation — Placement of owner-furnished 3" Schedule 40 PVC conduit and sweeps; 3 conduits per run (6 at road crossings where shown)
- Switch base installation — Transport of owner-furnished 600A switch bases from Hyrum City Power yard; 12" sand base, precision setting, ground rod installation (8 EA)
- Sand placement — Bedding sand below and above conduit; sand base for switch bases
- Backfill and compaction — Backfill of trench with specified materials; compaction to required density per spec (including under pavement)
- Mandrel testing — Mandrel test of all installed conduits (10,860 LF)
- Surface restoration — Restore all disturbed areas (concrete, asphalt, sod/landscaping) to original condition

#### General

- Mobilization and demobilization
- All labor, equipment, and supervision required to complete the included scope
- 811 / Call Before You Dig and bluestakes — Included. Contractor will coordinate utility locates per 811 and bluestakes requirements.
- OSHA 1926 Subpart P and excavation safety compliance
- Journeyman electrician/lineman on-site during all conduit installation (per RFP)

## EXCLUSIONS

#### Materials (Owner-Furnished — Not in Our Bid)

- 3" Schedule 40 PVC conduit — BY OWNER (Hyrum City Power & Light). Contractor transports from Hyrum City Power yard and installs.
- PVC sweeps (36" radius long sweep) — BY OWNER. Contractor transports and installs.

- 600-Amp switch bases (Quazite) — BY OWNER. Contractor transports from yard, sets, and connects. (~1,000 lb each; contractor furnishes crane/boom/excavator for placement.)

#### Electrical Work — EXCLUDED (We Do Not Perform Electrical Work)

- Wire pull — Pulling cable or conductors through conduit; owner or others to furnish.
- Electrical terminations — Connections, splices, or terminations of any kind; owner or others to furnish.
- Work inside switch bases — Beyond conduit entry and ground rod installation; owner or others to furnish.
- Energizing / tie-in to power — Any connection to live electrical systems; owner or others to furnish.
- Electrical testing or commissioning — Beyond mandrel testing of conduit; owner or others to furnish.

Scope clarification: Tempest provides civil/underground work only — trenching, conduit installation, switch base setting, ground rods, mandrel testing, pull rope, and restoration. All electrical work (wire pull, terminations, connections to power) is excluded.

#### Other Work Not Included

- Supply of conduit, sweeps, or switch base enclosures
- Conduit spacers — Excluded from bid. Owner to furnish if required.
- Design or engineering; staking/survey (unless otherwise specified in contract)
- Dewatering (if groundwater encountered) — unless explicitly included in bid
- Rock excavation or unsuitable soil removal beyond normal trenching — notify owner for pricing

#### Other Exclusions

- Excess haul-off spoils. Assuming material can be lost on site.
- Full traffic control — Excluded. Flaggers, lane closures, and extensive traffic control not in bid. Basic work zone signage included; full TC excluded unless scope requires.
- Remove & replace concrete — sidewalks — Excluded. We assume we can tunnel under sidewalk portions to install conduit; sidewalk replacement not priced.
- Remove & replace concrete — driveways — Excluded. No driveways shown in prints; driveway cut/replacement not priced.
- ROW permits — Excluded from bid. Owner to obtain and furnish; not priced.
- 2-sack slurry / flowable fill — Excluded from bid. We assume native material backfill and compaction; slurry not priced.

- Import backfill — Excluded. We assume native material is suitable for backfill; import not priced.
- Haul-off spoils — Excluded. We assume excavated spoil can be used on-site for backfill; spoil haul-off not priced.
- Bonding (bid bond, performance, payment) — can be provided upon request. I did not see this requirement in the RFP.
- Any work outside the limits shown on the RFP/plans or not described in the bid items

## ASSUMPTIONS

### Owner-Furnished Materials

- Owner will have conduit, sweeps, and switch bases available at Hyrum City Power yard when needed for the work.
- Contractor will coordinate with Larry Coleman (or designee) for delivery/availability and transport to the job site.
- Quantities and types of owner-furnished materials match the RFP and plan quantities (3,520 LF trench; 10,860 LF conduit; 8 switch bases).

### Site & Access

- Work is along 300 South, Hyrum, with access as shown on the RFP/plans.
- Native material: Excavated spoil is suitable for backfill and compaction; no import backfill or haul-off of spoils required. If native is unsuitable or owner requires import/haul-off, notify for pricing.
- Curb & gutter (where applicable) is existing or under separate contract; excavation for electrical trench will not conflict with curb & gutter schedule, or sequencing will be coordinated with owner.
- No major conflicts with existing utilities that would require redesign or significant extra work; 811 marks are current and accurate.

### Quantities & Scope

- Trenching: 3,520 LF (48" min cover, 12" wide trench) unless plans show otherwise.
- Conduit: 3 conduits in main run; 6 conduits at road crossings where indicated.
- Switch bases: 8 EA; transport, sand base, set, and ground rods included.
- Warning tape, sand, backfill, compaction, mandrel, pull rope, and restoration quantities are consistent with the above and the RFP.

### Schedule & Labor

- 45 calendar days substantial completion per RFP (or as bid).
- Journeyman electrician/lineman will be on-site for all conduit installation (sub or Tempest-provided; cost included in bid).
- Normal working hours unless otherwise specified; no premium for night work or lane closures unless required by owner and separately agreed.

### Technical

- Burial depths, sand envelope, warning tape depth, and switch base clearances per RFP and Hyrum City Power & Light specifications.
- Backfill under pavement: Native material (excavated spoil) for backfill and compaction; slurry excluded from bid. If native is unsuitable or owner requires slurry, notify for pricing.
- Asphalt restoration at road crossings: Assume 1 ft overcut on each side of trench (3 ft total width) at both road crossings for saw cut and asphalt replacement.
- Sidewalks: Assume we can tunnel under sidewalk portions to install conduit; no saw cut or replacement of sidewalks required. If tunneling is not feasible, notify for pricing.
- Driveways: No concrete driveways shown in prints; assume no saw cut or replacement of driveways required. If driveways are encountered, notify for pricing.
- Traffic control: Unless scope explicitly requires contractor-furnished traffic control, we will not provide it. Owner or others to furnish if required.
- Restoration (concrete, asphalt, sod) to match existing; areas and quantities as indicated on plans or as directed.

### Commercial

- Progress payment per contract terms.
- Retainage per contract.
- EMR and OSHA 300A logs submitted with bid as required by RFP.

## CLOSING NOTE

Tempest Enterprises would be honored to partner with Hyrum City on this project. We look forward to hearing from you and appreciate your consideration of our proposal.

004

PWR - Hyrum City - 300 S Underground PWR

Mason Earl

2/19/2026 1:57 PM

**BID PROPOSAL**

Item	Description	Quantity	Units	Unit Price	Bid Total
1000	MOBILIZATION	1.000	LS	10,943.05	10,943.05
1010	DEMobilIZATION & FINAL CLEANUP	1.000	LS	4,526.79	4,526.79
1020	TRANSPORT OWNER-FURNISHED MATERIALS FROM HYRUM CIT	1.000	LS	6,157.10	6,157.10
1050	WORK ZONE TRAFFIC CONTROL & SIGNAGE	1.000	LS	704.94	704.94
2000	TRENCHING - 42" MIN COVER X 12" WIDE (3-CONDUIT BA	3,520.000	LF	9.04	31,820.80
2010	SAW CUT ASPHALT - ROAD CROSSINGS	200.000	LF	6.17	1,234.00
3000	INSTALL 3" PVC CONDUIT IN TRENCH (OWNER-FURNISHED)	10,560.000	LF	2.90	30,624.00
3005	INSTALL 3" PVC CONDUIT - ROAD CROSSINGS (6 CONDUIT	100.000	LF	10.42	1,042.00
3010	INSTALL 36" PVC SWEEPS (OWNER-FURNISHED)	30.000	EA	55.29	1,658.70
3030	TIE INTO EXISTING RISER	1.000	EA	1,012.14	1,012.14
4000	BEDDING SAND - 2" BELOW & 4" ABOVE CONDUIT	130.000	CY	29.15	3,789.50
4010	BACKFILL & COMPACTION - NATIVE MATERIAL	3,520.000	LF	2.25	7,920.00
4030	WARNING TAPE - RED DETECTABLE (12" ABOVE CONDUIT)	3,520.000	LF	0.34	1,196.80
5000	EXCAVATE FOR 600A SWITCH BASE - TO MANUFACTURER SP	8.000	EA	397.75	3,182.00
5010	SAND BASE FOR SWITCH BASE - 12" COMPACTED & LEVELE	8.000	EA	145.40	1,163.20
5020	SET 600A SWITCH BASE (QUAZITE) - OWNER-FURNISHED (	8.000	EA	363.49	2,907.92
5030	INSTALL GROUND RODS - 5/8" X 8' COPPER CLAD (2 PER	16.000	EA	106.59	1,705.44
5040	CONDUIT TERMINATIONS INTO SWITCH BASE	8.000	EA	142.97	1,143.76
5050	BACKFILL AROUND SWITCH BASE	8.000	EA	290.79	2,326.32
6000	MANDREL TEST - ALL 3" CONDUITS	10,560.000	LF	0.31	3,273.60
6010	INSTALL PULL ROPE - 2500 LB TEST (ALL CONDUITS)	10,560.000	LF	0.30	3,168.00
7000	REMOVE & REPLACE ASPHALT - ROAD CROSSINGS	300.000	SF	32.65	9,795.00
7040	SOD/LANDSCAPING RESTORATION	900.000	SF	4.72	4,248.00
7050	TOPSOIL - LABOR & MATERIAL	20.000	TN	47.36	947.20
9000	JOURNEYMAN ELECTRICIAN/LINEMAN - REQUIRED ON-SITE	200.000	HR	75.00	15,000.00
<b>Bid Total</b>					<b>\$151,490.26</b>

# OSHA's Form 300A (Rev. 01/2004) Summary of Work-Related Injuries and Illnesses

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employers, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.36, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases			
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	1
(G)	(H)	(I)	(J)

Number of Days	
Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types						
Total number of... (M)	(1) Injury	(2) Skin Disorder	(3) Respiratory Condition	(4) Poisoning	(5) Hearing Loss	(6) All Other Illnesses
	1	0	0	0	0	0
	0	0	0	0	0	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Public reporting burden for this collection of information is estimated to average 58 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

### Establishment Information

Your establishment name: Tempest Enterprises, Inc  
 Street: 481 Commerce Dr  
 City: Mayra State: Industry UT Zip: 84107  
 description (e.g., Manufacture of motor truck trailers)  
 Standard Industrial Classification (SIC), if known (e.g., SIC 3715)  
 OR North American Industrial Classification (NAICS), if known (e.g., 336212)  
2 3 7 1 2 0

### Employment Information

Annual average number of employees: 31  
 Total hours worked by all employees last year: 50331

### Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Bob D'A  
 Company executive  
801-262-4165  
 Phone  
01/22/2026  
 Date  
Vice President  
 Title





## Tempest Safety Records

2021 Total Hours Worked: 112,823.96  
 2021 Total Recordable Incident Rate: 5.32  
 2021 DART (Days Away/Restricted or Transfer Rate): 3.55  
  
 2022 Total Hours Worked: 237,990  
 2022 Total Recordable Incident Rate: 11.73  
 2022 DART (Days Away/Restricted or Transfer Rate): 10.06  
  
 2023 Total Hours Worked: 133,657.89  
 2023 Total Recordable Incident Rate: 4.49  
 2023 DART (Days Away/Restricted or Transfer Rate): 2.99  
  
 2024 Total Hours Worked: 170,885.95  
 2024 Total Recordable Incident Rate: 1.17  
 2024 DART (Days Away/Restricted or Transfer Rate): 1.17  
  
 2025 Total Hours Worked: 50,331  
 2025 Total Recordable Incident Rate: 3.97  
 2025 DART (Days Away/Restricted or Transfer Rate): 0

### EMR

2021: .68  
 2022: .72  
 2023: .73  
 2024: .76  
 2025: .81

### AGC Safety Awards:

- Board Of Directors 2023-2024 Andrew Jones
- Specialty Contractor of the Year 2021
- Gold Safety Award 2021 4 Star
- Bronze Safety Award 2022
- Bronze Safety Award 2023 5 Star
- Platinum Safety Award 2024 5 Star

# Equipment Breakdown

Hyrum City – 300 South Underground Power Installation

For: Hyrum City Power & Light | By: Tempest Enterprises

## Project Overview

Tempest Enterprises, Inc. will utilize the following equipment to perform the underground conduit installation and 600A switch base setting work on 300 South, Hyrum, UT.

### PROPOSED EQUIPMENT LIST

Equipment	Description	Primary Use
Backhoe	Heavy-duty backhoe with lifting capacity exceeding 1,000 lbs. Suitable for excavating trench, placing bedding sand, and lifting/setting 600A switch bases (~1,000 lbs each).	Trenching, switch base excavation, lifting and setting Quazite switch bases
Mini Excavator (Cat 308 or equivalent)	Compact excavator for precision trenching in confined areas, around utilities, and under pavement. Ideal for 12" wide trench at 48" depth.	Precision trenching, road crossings, confined areas
Crew Truck	Crew cab truck for personnel transport, tools, and materials to/from job site.	Daily crew transport, tool/material delivery
Dump Truck	Haul truck for spoils removal, import backfill, and aggregate delivery (bedding sand, slurry, structural fill).	Spoils haul-off, backfill import, material delivery
Dump Trailer	Trailer for equipment transport, material delivery, and spoils removal as needed.	Equipment mobilization, supplemental hauling
Compactor	Walk-behind or plate compactor for backfill compaction per specifications.	Backfill compaction, structural fill
Asphalt Roller (Small)	Small roller for compacting asphalt replacement at road crossings. Sized appropriately for the limited asphalt restoration sections (~100 LF).	Asphalt compaction at road crossing restoration
Additional Support Equipment	Work zone signage, traffic control devices, saw for asphalt/concrete cuts, and hand tools as required.	Traffic control, saw cutting, general construction

## 600A Switch Base Lifting Capacity

Per RFP requirements, the 600A Quazite switch bases weigh approximately 1,000 lbs each. Tempest's backhoe provides lifting capacity in excess of 1,000 lbs and will be used to transport bases from the Hyrum City Power yard, set them on prepared sand bases, and position them per manufacturer specifications. No separate crane or boom truck is required.

—  
**Tempest Enterprises, Inc.**  
4681 Commerce Dr, Murray, UT 84107  
thetempestco.com | (801) 300-7429



**To:**  
HYRUM CITY

**Date :** 2.19.2026

LARRY COLEMAN  
300 South Underground Conduit

**FIXED PRICING**

\$28.00 per linear foot of trenching/conduit installation

\$1,000 per unit for the setting and leveling of the 600A Switch Bases

28 x 3,520 = 98,560  
1,000 x 3 = 3,000  
-----  
101,560

**EQUIPMENT**

9-ton excavator will be used to lift and set the switch bases

**PROJECT TIMELINE**

Completion will be approximately 45-60 days from Notice to Proceed

**SAFETY RECORD**

Current EMR - 0 OSHA 300 is not applicable (Juniper Earthworks has fewer than 10 employees).

 +1 435 512 8365

 [www.juniperearthworks.com](http://www.juniperearthworks.com)  
[info@juniperearthworks.com](mailto:info@juniperearthworks.com)

 2853 Daines Way,  
North Logan, Utah, 84341

**McKay Wilson**  
Owner



33 E Main St, | 801.756.7681  
American Fork, UT 84003 | PO BOX 307

REMITTER MCKAY P WILSON  
2853 DAINES WAY  
NORTH LOGAN, UT 84341

EXACTLY \*\*5,500 AND 00/100 DOLLARS

**PAY  
TO THE  
ORDER OF**

HYRUM CITY

300 SOUTH

UNCOM &  
CHECK SOLUTIONS  
SECURITY \* DELIVERY \* VALUE

PAPER CONTAINS TONER ADHESION PROT

Section 11. Item E.

Cashier's Check

Date: 2/20/26

954497

Branch: 4960

\$5,500.00\*\*

*McPiers*



⑈00954497⑈ ⑆292970825⑆ 2 200004390675⑈



33 E Main St, | 801.756.7681  
American Fork, UT 84003 | PO BOX 307

Cashier's Check

954497

DATE: 2/20/26

REMITTER: MCKAY P WILSON  
2853 DAINES WAY  
NORTH LOGAN, UT 84341

TO: HYRUM CITY

300 SOUTH

BRANCH:	4960
ORIGINATOR:	ANFORD
TIME:	12:39:33
CK AMT:	\$5,500.00
FEE AMT:	\$.00
TOTAL:	\$5,500.00

A request to Stop Payment of a cashier's check may only be considered 90 days from issuance of the cashier's check if it has been lost, stolen, or destroyed PROVIDED THAT the cashier's check has not been negotiated, Stop Payment is requested by either the named payee or the named remitter on the issued check. AND the Bank otherwise determines in its sole and absolute discretion that a Stop Payment is appropriate and justified.

**NON-NEGOTIABLE**



10432 South 1055 West  
PO Box 95026  
South Jordan, UT 84095  
Phone: (801) 870-7922  
Fax: (801) 606-7273

**Bid Submission for**  
***Installation of Underground 3" Conduits & 600A Switch***  
***Bases***

Hyrum City  
Power & Light  
88 W Main St,  
Hyrum, UT 84319

Beck Construction & Excavation is pleased to submit a proposal for Hyrum City Power & Light Installation of Underground 3” Conduits & 600A Switch Bases. The company has been in business since 2013 and the owner, Garen Beck, has over 30 years of experience performing heavy highway, utility installation and repair, building and concrete construction. Because of his extensive knowledge and experience, the company is licensed as a general contractor for the Engineering (E-100) and Building (B-100).

Although Garen Beck is owner of the company, he is also always active working in both the office and field for all the company’s construction projects. In addition to this, the company has strived to build a strong working team in the field with all crew members having experience and training in many varying trades.

The company works to provide the best quality of workmanship with each project it completes and specializes in working with the various municipalities, counties, and the Utah Department of Transportation.

**Personnel**

Beck Construction & Excavation, Inc (BCE) plans to assign the following management personnel to the Hyrum City Power & Light Installation of Underground 3” conduits & 600A Switch Bases:

- a. Project Manager - Corson Bastian
- b. Project Superintendent - James Beck
- c. Project Foreman - Jayden Oswald & Jace Beck
- d. Safety Manager - Nic Edmisten

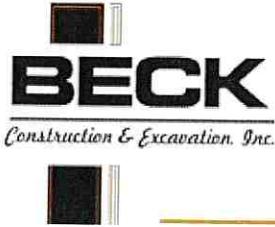
**Equipment List**

Beck Construction & Excavation will utilize company-owned equipment capable of safely lifting and setting the utility-provided 600A switch bases (approximately 1,000 lbs each).

Equipment assigned to this project includes:

- **Yanmar SV100 Mini Excavator** – Equipped with lifting eye and appropriate rigging for precision placement in confined utility corridors.
- **Kobelco SK140 Track Excavator** – Rated lifting capacity significantly exceeding the required 1,000 lbs and suitable for safely lifting, setting, and positioning the 600A switch bases.

Both machines are maintained in excellent operating condition and will be operated by experienced, qualified personnel. All lifting operations will be performed in accordance with OSHA standards and manufacturer load charts to ensure safe handling and placement of the 600A bases.



**10432 South 1055 West  
PO Box 95026  
South Jordan UT 84095  
Office: 801-870-7922**

<b>To:</b> Hyrum City	<b>Contact:</b>
<b>Address:</b> 60 West Main Street Hyrum, UT 84319	<b>Phone:</b>
	<b>Fax:</b>
<b>Project Name:</b> Hyrum - 300 S Underground Power Installation	<b>Bid Number:</b>
<b>Project Location:</b>	<b>Bid Date:</b> 2/20/2026

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
01	Mobilization	1.00	LS	\$33,500.00	\$33,500.00
02	Trenching And Installation Of 3 Separate 3-inch Schedule 40 PVC Conduits	3,520.00	LF	\$31.90	\$112,288.00
03	Installation Of 600-Amp Switch Bases	1.00	EACH	\$3,190.00	\$3,190.00
<b>Total Price for above Items:</b>					<b>\$148,978.00</b>

**Total Bid Price: \$148,978.00**

**Notes:**

- Survey Not Included
- Bonding Not Included. If Required add 2.5% to overall bid cost.
- SWPPP Not Included
- Compaction Testing Not Included
- Permits and Permit Bond's are not included. If Required, these will be billed at cost plus 15%.
- Billing will be based off actual QTY's installed

<p><b>ACCEPTED:</b> The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b> <b>Beck Construction &amp; Excavation, Inc</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> Corson Bastian Corson@beckconstruct.com</p>
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# LeGrand Johnson Construction Co.

1000 South Main Logan, UT 84321 PHONE (435) 752-2000 FAX (435) 752-2968

<b>To:</b>	Hyrum City	<b>Contact:</b>	Larry Coleman
<b>Address:</b>	Hyrum City, UT	<b>Phone:</b>	435-764-5162
		<b>Fax:</b>	
<b>Project Name:</b>	300 South Underground Power Installation Hyrum City	<b>Bid Number:</b>	1712534
<b>Project Location:</b>	300 S 1300 E, Hyrum, UT	<b>Bid Date:</b>	2/20/2026.

Bid is based on plans prepared by Hyrum City Power

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1		Mobilization	1.00	LS	\$13,809.06	\$13,809.06
2		Dig Trench And Backfill With Native Material	2,620.00	LF	\$9.16	\$23,999.20
3		Dig Trench And Backfill With Native Material (Through Landscaped Areas)	900.00	LF	\$11.57	\$10,413.00
4		Import, Place, And Compact Sand For Switch Base Pads (1' Thick)	1.00	EACH	\$962.09	\$962.09
5		Remove J-Can And Splice 3" Pvc Conduit Together	2.00	EACH	\$792.14	\$1,584.28
6		ROAD CROSSING Backfill And Compact (These Are For Road Power Crossings)	120.00	LF	\$33.24	\$3,988.80
7		Sweeping And Cleanup	10.00	HR	\$602.31	\$6,023.10
<b>Total Bid Price:</b>						<b>\$60,779.53</b>

## Landscape Repair

90	Landscaping Repair (Includes Sprinkler Repair If Needed)	2,850.00	SF	\$4.31	\$12,283.50
<b>Total Price for above Landscape Repair Items:</b>					<b>\$12,283.50</b>

## Pot Holing

91	Potholing (To Be Charged By The Hour)	1.00	HR	\$400.00	\$400.00
<b>Total Price for above Pot Holing Items:</b>					<b>\$400.00</b>

### Notes:

- Bid excludes survey and staking.
- There was no SWPPP plan or landscape plan provided we have provided budget pricing for the Revegetation
- We have excluded Chain Link Fence Removal along the Elementary School Property, assuming we can dig with a 1' bucket. Any fence removal costs will be passed on to the owner.
- If we are digging along side or in close proximity of an unknown or major utility that will result in slower productions, prices above are subject to change.
- Water required for compaction and dust control will be available on-site at no charge.
- All grades are plus or minus 0.10 feet.
- All utility lines are to be 5' outside building. Connections are by others. All existing utilities shall not be in conflict with new construction.
- We are assuming that we can stockpile trench spoils on site, haul away or relocation of spoils will be extra.
- This bid proposal excludes winter conditions costs and snow / frost removal.
- Kilgore Contracting is not responsible for re-grading / re-compaction of disturbed areas caused by other trades, such as electricians, plumbers, etc.
- This bid proposal is based on the acceptance of all items detailed above. This proposal is strictly limited to the scope of work outlined above, and defined by this proposal. If accepted, this proposal will be included in, and become part of any subcontract.

- This bid is based on the cost of fuel, oil, cement, steel, and PVC on bid day. Any increase in prices will be passed through to the owner.
- This bid must be accepted within 10 days of the Bid Date to be considered valid.
- Contractor License Number is: 7741778-5501
- This ESCALATION CLAUSE will become part of the contract.

The price stated is based on Kilgore Contracting's ability to purchase required materials, in particular the asphalt manufacturer's liquid asphalt. At the date of this proposal, Kilgore Contracting's purchase price for liquid asphalt oil (PG 64-22 or PG 58-28) is \$ 550.00 per ton. Any increase in price, including freight and taxes, which Kilgore Contracting must pay, will be passed on to and paid for by the owner.

- We do not guarantee drainage on grade if less than 1%.
- Bid excludes demolition, rock excavation and or blasting, shoring, disposal of un-identified debris, survey, construction staking, bonds, permits, fees, testing, striping, signs, prime coat, seal coat, chip seal, slurry seal, herbicide, sawcutting, traffic control, construction water, light poles, landscaping, blueboard, vapor barrier, and SWPPP/NOI/SWPPP inspections unless otherwise noted on the proposal.
- All existing utilities shall not be in conflict with new construction.
- Due to Current SUPPLY CHAIN DISRUPTIONS, all materials are subject to pricing at the time of shipment. Material availability and timeliness CANNOT BE GUARANTEED. This term supersedes all other contractual obligations.

**Payment Terms:**

All credit extended shall be on the basis of repayment of all sums due net 30 days from invoice date. All amounts not paid shall be subject to a finance charge of 2% per month on the unpaid balance. Payment by credit card may be accepted.

Oral statements or commitments to extend credit or to alter the terms of this Agreement and any other Agreement between the parties, this Agreement controls. Seller conditions prevail in governing all aspects of this agreement.

Seller may retain an attorney or collection agency to collect amounts that are past due hereunder. Purchaser shall pay all collection costs and reasonable attorney fees incurred by Seller, whether or not suit is brought, to collect any money due hereunder, including post-judgement costs and attorney fees. Any or all aspects of this Agreement shall be governed by the laws of the state in which the credit application is delivered. Seller shall designate the venue of any suit.

<p><b>ACCEPTED:</b> The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b> <b>LeGrand Johnson Construction Co</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> Samuel Adams Samuel.Adams@kilgorecontracting.com</p>
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## Ryan Leishman

---

**From:** Craig Hibbard  
**Sent:** Thursday, February 19, 2026 4:45 PM  
**To:** Ryan Leishman  
**Subject:** FW: [External]Sierra Meadows  
**Attachments:** Qual form.pdf

**From:** Craig Hibbard  
**Sent:** Tuesday, January 6, 2026 12:45 PM  
**To:** Clay Jensen <clayj@heritage.dev>  
**Subject:** RE: [External]Sierra Meadows

- Some subdivision and or multifamily projects you have done in the past couple of years:
  1. Golden Forest Subdivision 400 N 300 W Smithfield Owner: Kartchner Homes(this is a single-family multi-family mix 250+ Units)
  2. Magnolia subdivision 1400 S Main Garland Owner: Kartchner Homes(this is a single-family multi-family mix 196+- Units)
  3. Homes at the Knoll subdivision 380 North Sarah street Providence Utah Owner: Danny Macfarlane (37-unit single family subdivision in the foothills of providence with heavy earthwork cuts and fills)
  4. Strata Apartments 945 W 2200 S Logan Owner: Kartchner Commercial Builders (this is all multifamily with 11 large 24plex buildings with lots of ground water – we provided all the excavation for all infrastructure and footings and carried a concrete subcontractor)
  5. Providence Hollow Phase 1 and 2 Owner: Ironwood Construction(these are all 6 plex's and 7 plex's, we provided all the excavation working including all infrastructure and footing ex and backfill)
  6. We have a lot more projects and references, above are a few. We self-perform the asphalt paving with our hot plant in Hyrum, and we hire cast-in-place concrete subcontractors and self-perform the rest of the work. Next to our hot plant we have a ready-mix concrete plant to supply the concrete needed.
- Equipment list, and what machines are GPS enabled.
  1. It will be hard for me to list all our equipment, we have an equipment that encompasses Utah, Wyoming and Colorado divisions. We do have dedicated equipment here in cache valley, which I will list Below:
  2. 336 Cat Track hoe With GPS
  3. 350 JD Track hoe with GPS
  4. 750 JD Dozer with GPS
  5. 5ea 320 Cat Trackhoes 2 of the 320s are GPS Capable
  6. 3ea 950 Cat Loaders
  7. 4ea 938 Cat Loaders
  8. D-8 Cat Dozer
  9. D-9 Cat Dozer
  10. D-10 Cat Dozer
  11. 3ea Cat 988 Loaders
  12. 3ea Cat 980 Loaders

13. Cat 140 Grader
14. JD 177 Grader
15. 2ea JD 40 ton Rock trucks
16. 3ea Skid Loaders with GPS
17. 308 cat trackhoe
18. 307 cat trackhoe
19. 2 water trucks
20. Multiple dual drum asphalt rollers
21. Multiple Large Cat Rollers
22. Multiple small drum rollers
23. We have more equipment – let me know if you are looking for more specific equipment

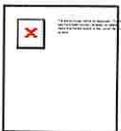
- If you have multiple crews for residential/multi-family how many and number of people per crew.
  1. In Cache Valley right now we have 3 Major pipe crews usually comprised of 5 guys per crew. We have multiple(3-6)earthwork and grading crews that span anywhere from 2-5 man crews depending on the project type and size. We also have a 6 man paving crew during paving season. Last season we were so busy we had 2 full paving crews here working towards the endo
- Do you provide SWPPP? If so, does your team do it or is it subbed out?
  1. We can carry SWPPP if you need us to. We carry SWPPP for some owners and for others they take care of it themselves. We use Storm Water solutions for the SWPPP, this same company takes care of most of our landscaping for the city projects we have where we need landscaping subcontractors.

I attached a pre-qualification form that we submitted for one of our recent bids. We have more info if you need including our unlimited bonding capacity information.

Let me know if you need anything else!

And we look forward to getting some plans from you so we can get you pricing for some of your projects.

Thanks



Craig Hibbard  
 LeGrand Johnson Construction Co.  
 Office: 435-787-6023  
 Cell: 435-764-0259

**From:** Clay Jensen <[clayj@heritage.dev](mailto:clayj@heritage.dev)>  
**Sent:** Tuesday, January 6, 2026 10:55 AM  
**To:** Craig Hibbard <[Craig.Hibbard@ljcc.com](mailto:Craig.Hibbard@ljcc.com)>  
**Subject:** [External]Sierra Meadows

## CONTRACTOR QUALIFICATION FORM

(List similar projects by the contractor over the past three (3) years)

Name/Date of Project	Dollar Amount of Project	Owner Reference (Name and Tele No.)	Involvement or Role in Project	Completion	
				On Time	Within Budget
Scenic Mountain Development	\$1,443,335.39	Green Haven Homes (Ken Coleman 801-875-5363)	General	Yes	Yes
USU Parking Lot Remodel	\$193,512.00	Raymond Construction (Doug Raymond - 435-752-2911)	Sub-Contractor	Yes	Yes
Willdercrest Subdivision Phase 2B	\$345,534.02	Lifestyle Homes (Beth Larchar 801-885-4150)	Sub-Contractor	Yes	Yes
Logan Corridor Subdivision	\$157,197.60	Rupp Trucking (Jared Lish 435-257-7333)	Sub-Contractor	Yes	Yes
Quayle Hollow Subdivision	\$762,648.63	Champlin Homes LLC (Nic Porter 435-244-0881)	Sub-Contractor	Yes	Yes
Cache County Operations Center Administration Building	\$435,369.66	Lundahl Building Systems Inc. (435-753-0888)	Sub-Contractor	Yes	Yes
Cache Pines and Logan Pines	\$389,140.11	Cache Pines Owner Association (Bret Rigby 435-213-9334)	General	Yes	Yes
Western Dairy Transport	\$377,935.00	Raymond Construction (Doug Raymond - 435-752-2911)	Sub-Contractor	Yes	Yes
400 South Street Improvement	\$494,129.13	City of River Heights (Forsgren & Associates - Craig Rasmussen 435-227-0333)	General	Yes	Yes
1400 North at 600 West Intersection Improvement	\$6,576,204.85	City of Logan (Tom Dickenson 435-716-9168)	General	Yes	Yes
400 N Widening Ph 1	\$954,698.58	City of Wellsville (Scott Wells 435-245-7958)	General	Yes	Yes

Providence City Streets 2021	\$1,262,278.99	City of Providence (Beau Peterson - Sunrise Engineering 435-213-4453)	General	Yes	Yes
Wesley Nelson Farms Roadway	\$1,441,012.00	Nibley Development LLC	General	Yes	Yes
US-89 Bear Lake Marina	\$2,205,898.00	UDOT	General	Yes	Yes
Hyrum City Streets 2021	\$345,807.00	Hyrum City	General	Yes	Yes
Nibley 3200 S 1200 W Roundabout	\$2,674,171.24	Nibley City (Darren Farar - 435-255-7078)	General	Yes	Yes
Nibley LG0004, LG0012, and FL136 Project	\$1,974,767.00	Flare Construction (Jeremy Richins - 801-244-8014)	Sub-Contractor	Yes	Yes
Wellsville City Streets - 2022	\$75,017.35	City of Wellsville (Scott Wells 435-245-7958)	General	yes	yes
100 West Corridor (City of Logan)	\$9,065,207.85	J-U-B Engineers (Paul Willardson 435-713-9514)	General	Yes	Yes
1800 N 600 W Road Reconstruction (City of Logan)	\$6,098,155.30	City of Logan (Tom Dickenson 435-716-9168)	General	Yes	Yes
1400 North 600 West Work in UPRR ROW	\$391,714.87	City of Logan (Darek Kimball 435-770-0914)	General	Yes	Yes
Chain Up area on US-91 in Sardine Canyon	\$241,378.46	UDOT	General	yes	Yes
US-91, 3200 S, 2000 W Intersection Realignment	\$2,935,660.96	UDOT	General	yes	yes
200 West Street (Center to 200 South) & South Main Street	\$250,930.90	Mendon City	General	yes	yes
Wellsville City Streets - 2023	\$189,937.36	City of Wellsville (Scott Wells 435-245-7958)	General	yes	yes
Craner Field Paving Project	\$366,026.58	City of Preston, ID (Tyrell Simpson 208-852-1817)	General	yes	yes
Logan Library	\$878,355.00	Hogan & Associates	Sub-Contractor	yes	yes
1000 North Improvements; 250 West to 50 East	\$9,501,047.53	City of Logan (Darek Kimball 435-770-0914)	General	Current	Current
Smithfield, 250 East Round-About	\$1,205,135.28	Utah Department of Transportation	General	yes	yes
Blackstone Headquarters	\$2,219,049.14	R & O Construction	Sub-Contractor	Current	Current
Cache County Administration Building Storm Drain	\$231,030.00	Cache County (Jesse Mott)	General	yes	yes
SR-30; SR-252 to US-91	\$1,446,326.89	Utah Department of Transportation	General	Current	Current

US-89; Beaver Creek to Rich County	\$2,127,974.65	Utah Department of Transportation	General	Current	Current
UDOT SR-39; MP 19.36, Construct Roundabout	\$271,213.20	ACME Construction (Christian Cano)	Sub-Contractor	Current	Current
South Canyon Pipeline (Cache County)	\$83,087.30	Geneva Rock (Tom Hall)	Sub-Contractor	Current	Current
Logan Canyon Fiber Options Phase 3 (UDOT)	\$2,286,758.80	Americom Technology (Saxon)	Sub-Contractor	Current	Current
Deer Canyon Trailhead	\$500,564.00	Cache County (Jesse Mott)	General	Current	Current

Task Mode	Task Name	Duration	Start	Finish	r-1, '26	Mar 8, '26	Mar 15, '26	Mar 22, '26	Mar 29, '26	Apr 5, '26	Apr 12, '26	Apr 19, '26	Apr 26, '26				
✈	Mobilization	1 day	Mon 3/2/26	Mon 3/2/26	[Gantt bar from Mon 3/2/26 to Mon 3/2/26]												
✈	Dig, Install, and Backfill Dry Utilities	30 days	Tue 3/3/26	Mon 4/13/26	[Gantt bar from Tue 3/3/26 to Mon 4/13/26]												
✈	Construct Switch Base Pads	2 days	Mon 3/16/26	Tue 3/17/26	[Gantt bar from Mon 3/16/26 to Tue 3/17/26]												
✈	Landscaping	7 days	Tue 4/14/26	Wed 4/22/26	[Gantt bar from Tue 4/14/26 to Wed 4/22/26]												
✈	Jobsite Cleanup	2 days	Thu 4/23/26	Fri 4/24/26	[Gantt bar from Thu 4/23/26 to Fri 4/24/26]												
✈	Finish	1 day	Fri 4/24/26	Fri 4/24/26	[Gantt bar from Fri 4/24/26 to Fri 4/24/26]												

Project: Project Timelin  
Date: Fri 2/20/26

Task	Project Summary	Manual Task	Start-only	Deadline
Split Milestone Summary	Inactive Task	Duration-only	Finish-only	Progress
Inactive Milestone Summary	Manual Summary Rollup	Manual Summary	External Task	Manual Progress
Inactive Summary	Manual Summary	Manual Summary	External Milestone	Manual Progress



Brian Lynch  
Vice President

Marsh USA Inc.  
1166 Avenue of the Americas  
New York, NY 10036-2774  
+1 212 345 0557  
[brian.lynch@marsh.com](mailto:brian.lynch@marsh.com)  
[www.marsh.com](http://www.marsh.com)

Feb 13, 2025

Subject: Kilgore Companies LLC  
7057 W 2100 S  
West Valley City, UT  
December 31, 2023 to December 31, 2024  
NCCI Workers' Compensation Experience Modification Rating

To Whom it May Concern:

Below please find the Experience Modification Ratings for Kilgore Companies LLC:

12/31/2017	12/31/2018	12/31/2019	12/31/2020	12/31/2021	12/31/2022	12/31/2023	12/31/2024
.64	.50	.49	.51	.49	.51	.57	.58

Please don't hesitate to contact me with any questions or concerns.

Sincerely,

*Brian Lynch*

Brian Lynch  
Vice President

The information contained in this document is confidential, may be privileged, and is intended for the use of the individual or entity named above. If you are not the addressee, please do not read, copy, forward, use, or store this document or any of the information contained herein.

LEADERSHIP, KNOWLEDGE, SOLUTIONS...WORLDWIDE.



# OSHA's Form 300A (Rev. 01/2004) Summary of Work-Related Injuries and Illnesses

Year 2025  
U.S. Department of Labor  
Occupational Safety and Health Administration  
Form approved OMB no. 1218-0178

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete. Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35. In OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
(G)	0	0	0
(H)	0	0	0
(I)	0	0	0
(J)	0	0	0

Number of Days	Total number of days of work	Total number of days of job transfer or restriction
(K)	0	0
(L)	0	0

Injury and Illness Types	Total number of...
(1) Injury (M)	0
(2) Skin Disorder	0
(3) Respiratory Condition	0
(4) Poisoning	0
(5) Hearing Loss	0
(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Public reporting burden for this collection of information is estimated to average 58 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

### Establishment information

Your establishment name Legend Johnson Construction  
 Street 81 W. 300 S. Suit 150 State Utah Zip 84321  
 City Logan  
 Industry description (e.g., Manufacture of motor truck trailers) Highway, Road, and Bridge Construction  
 Standard Industrial Classification (SIC), if known (e.g., SIC 3715) \_\_\_\_\_  
 OR North American Industrial Classification (NAICS), if known (e.g., 336212) 2 3 7 3 1 0

### Employment information

Annual average number of employees 130  
 Total hours worked by all employees last year 63507.34

### Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

[Signature]  
 Company executive  
135-994-2833 Phone  
2/20/24 Date  
REGIS WILKINS  
 Title

OSHA's Form 300A

Summary of Work-Related Injuries and Illnesses

U.S. Department of Labor Occupational Safety and Health Administration Form OSHA-300A-100 (Rev. 10-2010)

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0". Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	6	1	6
(g)	(h)	(i)	(j)

Total number of days of job transfer or restriction 306 Total number of days away from work 180

(k) (l)

Total number of...

- (M) (1) Injuries 13 (4) Poisonings 1
- (2) Skin disorders 1 (5) All other illnesses 1
- (3) Respiratory conditions 1

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Send comments regarding this burden estimate or any aspect of this data collection, including suggestions for reducing the burden, to Washington, DC 20543. Do not send the completed forms to this office.

Establishment Information

Your establishment name LeGrand Johnson Const  
 Street 1000 South Main  
 City Logan State UT ZIP 84323

Industry description (e.g., Manufacturer of motor truck engines) Highway Construction  
 Standard Industrial Classification (SIC), if known (e.g., SIC 3715) 1611

Employment information (If you don't have these figures, see the instructions on the back of this page to estimate.)  
 Annual average number of employees 210

Total hours worked by all employees last year 418,153

Sign here  
 Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Bob Rowley Safety Director  
 Title  
 Company name  
 Phone 435-752-2000 Date 1/21/2011

Year 2010



U.S. Department of Labor Occupational Safety and Health Administration Form OSHA-300A-100 (Rev. 10-2010)

OSHA's Form 300A

# Summary of Work-Related Injuries and Illnesses

Year 20 11  
U.S. Department of Labor  
Occupational Safety and Health Administration  
Form approved OSHA no. 1315-0176

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary. Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0".  
Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

### Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
<u>0</u> (g)	<u>6</u> (h)	<u>3</u> (i)	<u>5</u> (j)

### Number of Days

Total number of days of job transfer or restriction	Total number of days away from work
<u>14</u> (k)	<u>261</u> (l)

### Injury and Illness Types

Total number of... (M)	(1) Injuries	(2) Skin disorders	(3) Respiratory conditions	(4) Poisonings	(5) All other illnesses
	<u>14</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comment about these estimates or any other aspect of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-5041, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.

### Establishment information

Your establishment name Herbrand Johnson Const  
 Street 1000 South Main PO Box 848  
 City Logan State VT ZIP 05323  
 Industry description (e.g., *Manufacture of metal tank trucks*) Highway Construction  
 Standard Industrial Classification (SIC), if known (e.g., SIC 3715) 1611

### Employment information (If you don't have these figures, see the Handbook on the back of this page to estimate.)

Annual average number of employees 209  
 Total hours worked by all employees last year 478,789

### Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Don Howley Corporate Secretary  
 Title Corporate Secretary  
 Date 2/11/2012  
 Telephone 435-758-3000

OSHA's Form 300A

# Summary of Work-Related Injuries and Illnesses

Year 2012  
 U.S. Department of Labor  
 Occupational Safety and Health Administration  
 Form approved OSHA no. 1316-117

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.  
 Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0".  
 Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	5	0	6
(G)	(H)	(I)	(J)

Total number of days of job transfer or restriction: 142 (K)  
 Total number of days away from work: 15 (L)

Total number of... (M)	(4) Poisonings	(5) All other illnesses
(1) Injuries	11	1
(2) Skin disorders	1	1
(3) Respiratory conditions	1	1

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.  
 Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3614, 200 Constitution Avenue, NW, Washington, DC 20310. Do not send the completed forms to this office.

**Establishment information**  
 Your establishment name: LeGrand Johnson Const Co  
 Street: 1000 South Main  
 City: Logan State: UT ZIP: 84323

Industry description (e.g., Manufacture of inner tire valves): Highway Construction  
 Standard Industrial Classification (SIC), if known (e.g., SIC 3715): 1611

**Employment information** (If you don't have these figures, see the footnote on the back of this page to estimate.)  
 Annual average number of employees: 207  
 Total hours worked by all employees last year: 157,080

**Sign here**  
 Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.  
Dora Stombery Secretary  
 Company executive  
1755 750-2000 Phone  
 Date: 2/11/2013

OSHA's Form 300A

# Summary of Work-Related Injuries and Illnesses

U.S. Department of Labor  
Occupational Safety and Health Administration  
Form approved OMB no. 1218-0171

Year 2013

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.  
Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0".  
Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	4	2	4
(a)	(H)	(I)	(J)

Total number of days of job transfer or restriction	Total number of days away from work
200	92
(K)	(L)

- Total number of . . .
- (1) Injuries 10 (4) Poisonings —
  - (2) Skin disorders — (5) All other illnesses —
  - (3) Respiratory conditions —

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspect of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3194, 200 Constitution Avenue, NW, Washington, DC 20310. Do not send this completed form to this office.

**Establishment information**

Your establishment name LeGrand Johnson Const Co

Street 1000 South Main City Logan State Utah ZIP 84323

Industry description (e.g., Manufacture of motor truck trailers) Highway Construction

Standard Industrial Classification (SIC), if known (e.g., SIC 3715) 1611

**Employment information** (If you don't have these figures, see the *Instructions on the back of this page* to estimate.)

Annual average number of employees 192

Total hours worked by all employees last year 40,021

**Sign here**

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Dora Johnson Secretary THE DATE 2/11/2014

Company executive Phone 435.758-2000

OSHA's Form 300A

# Summary of Work-Related Injuries and Illnesses

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0."

Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases		
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction
0	4	1
(G)	(H)	(I)
Total number of other recordable cases		
6		
(J)		

Number of Days	
Total number of days of job transfer or restriction	Total number of days away from work
190	16
(K)	(L)

Injury and Illness Types	
Total number of... (M)	
(1) Injuries	11
(2) Skin disorders	—
(3) Respiratory conditions	—
(4) Poisonings	—
(5) All other illnesses	—

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspect of this data collection, contact: US Department of Labor, OSHA, Office of Statistics, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20210. Do not send the completed forms to this office.

**Establishment Information**

Your establishment name: Legrand Johnson Construction  
 Street: 1000 South Maryland  
 City: Logan State: UT ZIP: 84321

Industry description (e.g., *Manufacture of metal tank trailers*): Highway Construction  
 Standard Industrial Classification (SIC), if known (e.g., SIC 3713): 1611

**Employment Information** (If you don't have these figures, see the Worksheet on the back of this page to estimate.)

Annual average number of employees: 201  
 Total hours worked by all employees last year: 135785

**Sign here**  
 Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Don Anthony Company executive  
12-1-2014 Date  
Safety Director Title

OSHA's Form 300A

# Summary of Work-Related Injuries and Illnesses

01/01/2015 to 08/31/2015  
 Year 2015  
 U.S. Department of Labor  
 Occupational Safety and Health Administration  
 Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.  
 Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0".  
 Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

### Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	3	4	2
(a)	(b)	(c)	(d)

### Number of Days

Total number of days of job transfer or restriction	Total number of days away from work
197	225
(e)	(f)

### Injury and Illness Types

Total number of...	(1) Injuries	(2) Skin disorders	(3) Respiratory conditions	(4) Poisonings	(5) All other illnesses
	8	-	-	-	1

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any other aspect of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Avenue, NW, Washington, DC 20510. Do not send the completed forms to this office.

### Establishment Information

Your establishment name: LeGrand Johnson Const Co  
 Street: 1000 South Mary  
 City: Logan State: VT ZIP: 05432  
 Industry description (e.g., Manufacturer of motor truck trailers): Highway Construction  
 Standard Industrial Classification (SIC, if known (e.g., SIC 3715): 1611

### Employment Information (If you don't have these figures, see the Worksheet on the back of this page to estimate.)

Annual average number of employees: 186  
 Total hours worked by all employees last year: 250,310

Sign here  
 Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.  
Tom Flawerty Safety Director  
 Title: Safety Director  
 Date: 12/01/2015  
 Phone: (877) 759-2000

T Bailey Construction LLC  
 1564 E 460 S  
 Hyrum, UT 84319  
 (435)213-6607  
[trentbaileyconstruction@gmail.com](mailto:trentbaileyconstruction@gmail.com)



## Bid Proposal

**Project:** Installation of Underground 3" Conduits and 600A Switch Bases

**Client:** Hyrum City Power and Light

**Fixed Pricing:**

Item	Unit Price	Total
<b>3520' Trenching/Conduit Installation</b>	<b>\$46.81 LF</b>	<b>\$164,771.20</b>
<b>600A Switch Base Setting/Leveling</b>	<b>\$1850 per</b>	

**Equipment List:** Kubota KX-40 Mini EX, Bobcat T66 Skid steer, Case 580N Backhoe

**Project Timeline:**

Item	Start Date	Completion Date
<b>3520' Trenching/Conduit Installation</b>	<b>3/16/26</b>	<b>5/2/26</b>
<b>600A Switch Base Setting/Leveling</b>	<b>3/16/26</b>	<b>5/2/26</b>

\*Weather Permitting

**Safety Record:** T Bailey Construction LLC does not have an EMR due to being owner/operator run and being opted out of Workers Comp Insurance and is also exempt from the OSHA 300A Log due to having less than 10 employees in the previous year.



**Hyrum City Power & Light**  
**300 South Underground Conduit Installation Project**

Bids will need to be submitted as a sealed bid

Sealed bids will need to be delivered to the Hyrum City Offices before the deadline

Bids will be accepted up until 1:55pm on February 20th

Opening of bids will occur on **February 20<sup>th</sup> @ 2:00PM** at Hyrum City Office

## REQUEST FOR QUOTATION (RFQ)

**Project Title:** Installation of Underground 3" Conduits and 600A Switch Bases

**Issue Date:** January 20, 2026

**Response Deadline:** February 20, 2026

**Issuing Agency:** Hyrum City Power & Light

### 1. Scope of Work

The Contractor shall provide all labor, equipment, and ancillary materials required to install underground power conduits. The project includes:

- **Trenching:** 3520' feet of trenching two(2')foot wide by (48") inches deep
- **Conduit Installation:** Three (3) separate 3-inch (3") Schedule 40 PVC conduits.
  - *Note: The PVC conduit and PVC sweeps will be provided by Hyrum City Power*
- **Burial Depth:** A strict minimum cover of **four (4) feet (48 inches)** from final grade to the top of the conduit bank.
- **Switch Base Installation:** Installation of several **600-Amp Switch Bases.**
  - *Note: The Switch Bases will be provided by Hyrum City Power; the Contractor is responsible for pickup, transport to site, and precision setting.*
- **Mandrel & Pull Line:** All conduits must be mandreled and equipped with a 2,500 lb. test pull rope.
- **Replace/Restore:** Contractor will be responsible to replace and restore concrete, landscaping, and sod back to the original condition.

### 2. Technical Specifications

- **Base Preparation:** Excavate for switch bases to the manufacturer's specified dimensions. Provide a minimum of 12 inches of compacted, leveled sand as specified by the Hyrum City Power Construction Standards.
- **Conduit Entry:** 36" PVC sweeps will be used to enter the 600-Amp switch bases. 36" PVC sweeps will be used on any radius.

- **Trenching & Backfill:** Trench width must accommodate proper conduit separation. Backfill with 6" of sand surrounding conduit. Backfill must be free of debris. In areas under pavement, 2-sack slurry or compacted structural fill is required.
- **Warning Tape:** Red "Caution: Buried Electric Line" detectable tape must be installed 12 to 18 inches below final grade.

### 3. Submission Requirements

Bidders must submit the following:

- **Fixed Pricing:**
  - Price per linear foot of trenching/conduit installation.
  - Price per unit for the setting and leveling of the 600A Switch Bases.
- **Equipment List:** Confirmation of equipment capable of lifting and setting the utility-provided 600A bases; weight is approximately 1000lbs (e.g., crane, boom truck, or excavator).
- **Project Timeline:** it is anticipated to be **45 days** from start to completion
- **Safety Record:** Current EMR (Experience Modification Rate) and OSHA 300A logs.

### 4. Terms and Conditions

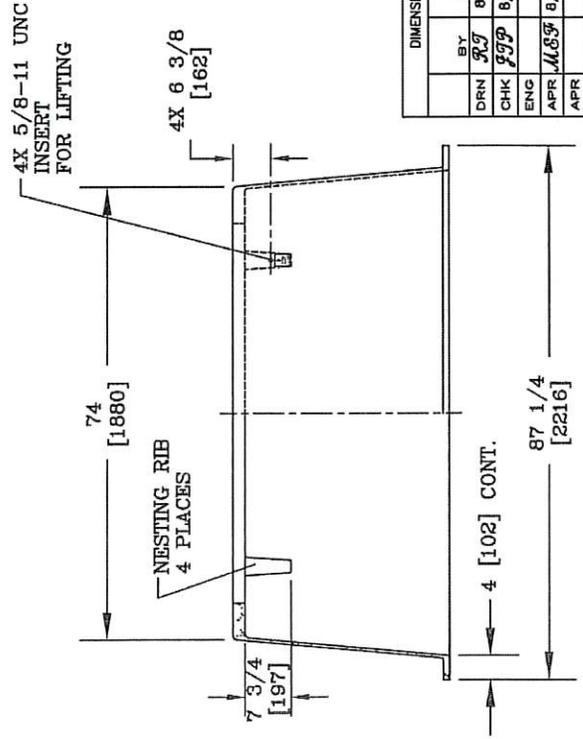
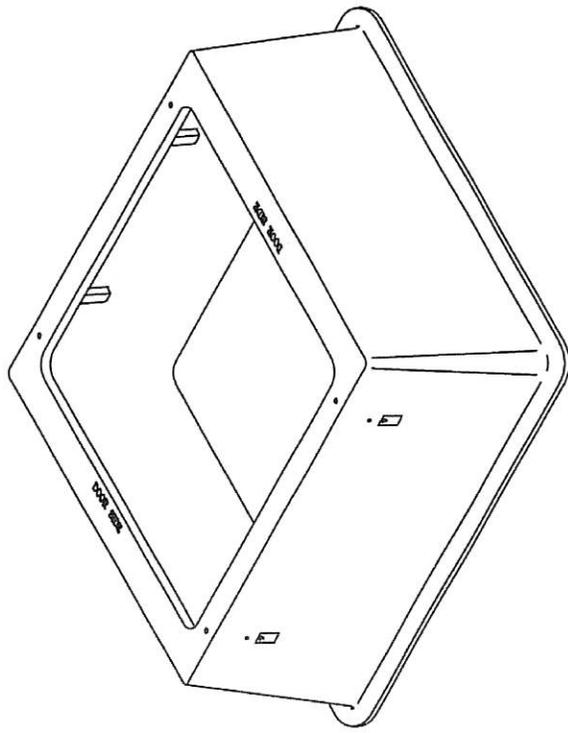
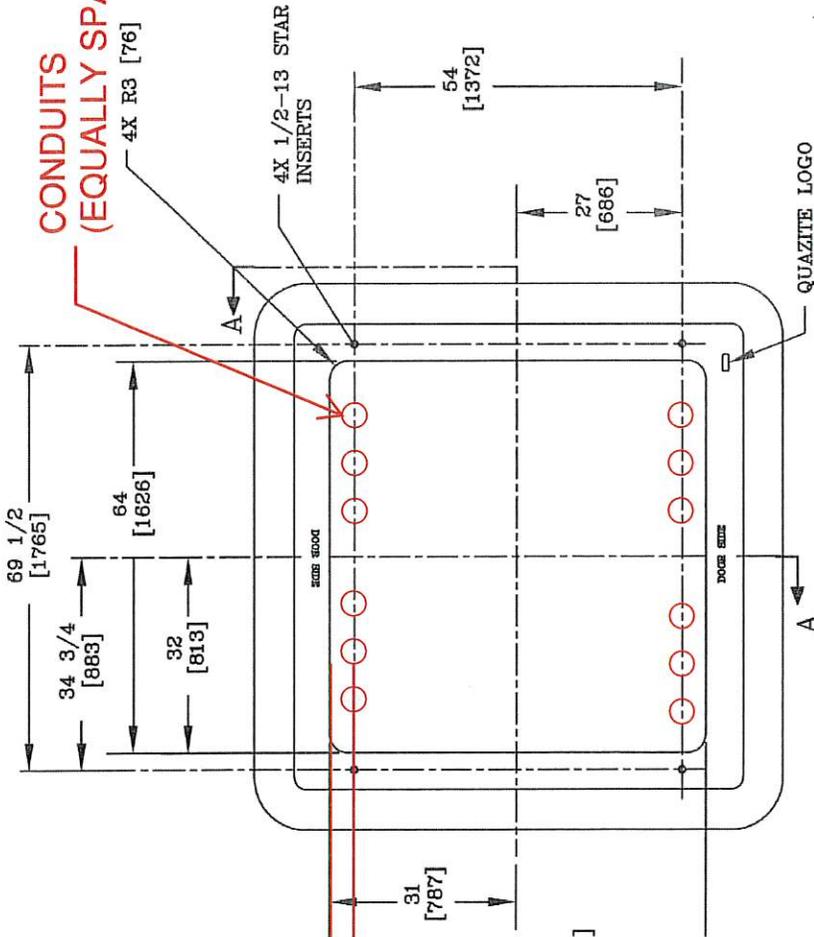
- **Owner-Furnished Material (OFM):** Hyrum City Power will provide the 600A Switch Bases and the 3" PVC conduit. The Contractor will be responsible for transporting bases and conduit from Hyrum City Power yard to job site.
- **Permitting:** The Contractor is responsible for "Call Before You Dig" (811) notifications and securing any required right-of-way permits.
- **Safety:** Work must comply with OSHA 1926 Subpart P for excavations. The Contractor will be responsible for the work zone safety. The Contractor will provide any warning signs and any applicable work zone signs.

### 5. Contact Information

**Project Manager:** Larry Coleman

**Email:** larry.coleman@hyrumcity.gov

**CONDUITS  
(EQUALLY SPACED)**



**NOTES:**

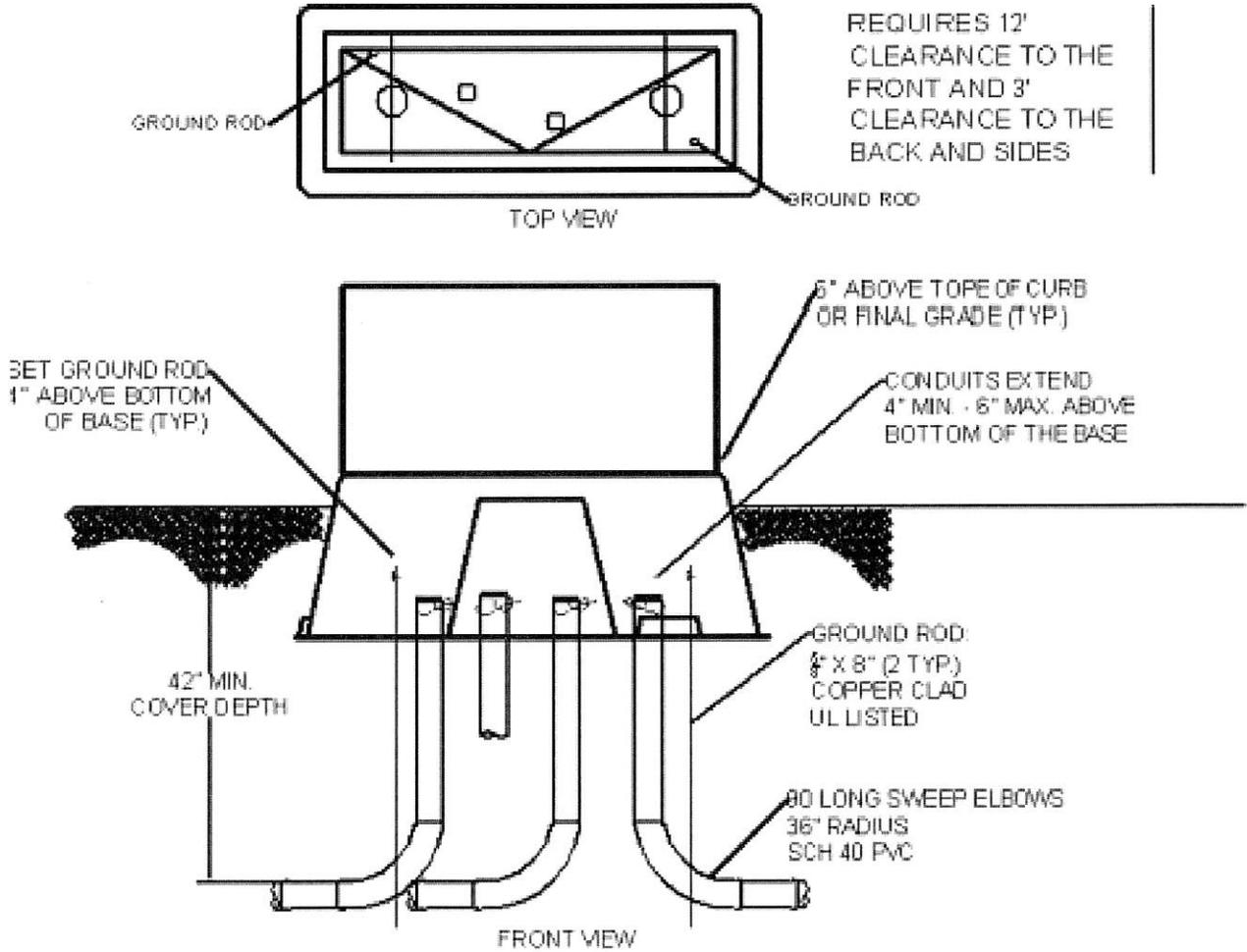
1. CUSTOMER IS
2. 1" HIGH BLACK LETTERING TO BE STEN ON TOP AS SHOWN.
3. FURNISHED WITH (4) 5/8-11 UNC X 3 LONG HEX HEAD BOLTS.
4. DIMENSIONS IN BRACKETS ARE IN MILLI UNLESS OTHERWISE SPECIFIED.

DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE N		WEIGHT		DRAWING DESCRIPTION	
BY	DATE	761 #	3621 INDUSTRIAL PARK D	QUAZITE®	
DRN	8/9/07	345 kg	LENOIR CITY, TN 37771	BOX PAD	
CHK	8/10/07	SCALE	www.quazite.com	SHEET 1 OF 1	
ENG	M.89	1/2"=1'		DRA	
APR	8/10/07	SIZE		PB	
ESR OR PROJECT NUMBER	07618			2	

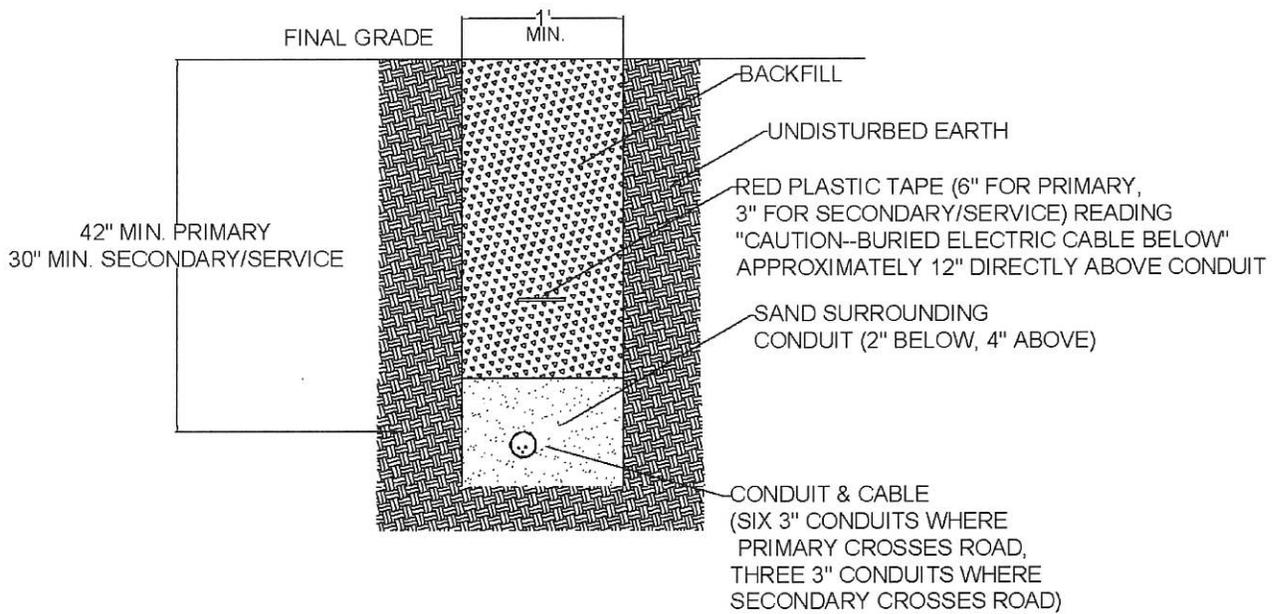
Section 11. Item E.

**SECTION A-A**

### THREE PHASE PRIMARY JUNCTION BOX



### TRENCH DETAIL



**NOTES:**

1. CURB & GUTTER SHALL BE INSTALLED BEFORE EXCAVATION OF ELECTRICAL TRENCHES.
2. A CERTIFIED JOURNEYMAN ELECTRICIAN OF LINEMAN SHALL BE ON SITE DURING ALL CONDUIT INSTALLATION.

REV	REVISION RECORD	ENG BY:	APPD BY:	DATE

	HYRUM CITY ELECTRICAL DEPARTMENT ELECTRICAL SERVICE REQUIREMENTS		
	<b>TRENCH DETAIL</b>		
SCALE: <b>NOT TO SCALE</b>	INITIAL ISSUE DATE: <b>08/01/2020</b>	SHEET <b>7.7</b>	REV <b>1</b>

February 27, 2026

Steve Miller, Mayor  
Hyrum City  
60 West Main Street  
Hyrum UT 84319

**RE: Amendment 2 - Designated City Engineer  
Interim as Appointed**

Dear Mayor Miller,

Thank you for the opportunity to provide this second amendment to the executed March 28, 2024 Contract for Engineering and Technical Services. This amendment applies to professional engineering services as the designated interim City Engineer on an appointed basis until an engineer is retained and appointed by the City or until such time as other changes or provisions may be made. The following paragraphs present our understanding of the work requested with authorization to act in the capacity as appointed through the contractual amendment.

**Work Understanding**

Hyrum City desires to retain the professional services of a consultant engineer to act in the capacity of an interim City Engineer. This representative would be authorized to perform services as requested and required by the Hyrum City Ordinance in the capacity of the City Engineer.

Whereas Eric Dursteler, a professionally licensed Project Manager Civil Engineer with Forsgren Associates an Apex Company, currently serves as an appointed engineer on the Hyrum City Administrative Land Use Authority (ALUA) for certain development review services; and whereas Forsgren is contracted to perform site plan and miscellaneous non-ALUA development reviews for Hyrum City; and appointment as the interim City Engineer position is a natural extension of his responsibilities in these capacities; therefore, it is proposed that Eric Dursteler, P.E. be designated as the interim City Engineer to serve in the capacity as per Hyrum City Code Sections 2.10.010 and 2.10.020. Engineering services provided under this amendment are subject to authorization (written or verbal) by the Mayor or designated City staff authorized to direct or approve the services provided by the City Engineer.

Typical services requested are anticipated to include development related work where review and approval with acceptance signature by the City Engineer is required. Additional services on a project or task basis can be authorized by the City as may be warranted. This contract amendment does not commit the City to a required contract amount, nor does it preclude the City from contracting with other firms for other engineering services where a designated City Engineer is not required.

**Work Approach**

Forsgren Associates staff are well experienced in the responsibilities of a City Engineer. Currently local Forsgren staff represent the Utah towns/cities of Amalga, River Heights, Mendon, Snowville, Newton, and Franklin City, Idaho. Staff are well-versed in municipal engineering services including development review, construction oversight and management, as well as planning support services.

As an ongoing partner with Hyrum City we propose, for purposes of continuity, that Eric Dursteler remain the designated representative for Hyrum City as he continues to serve on the ALUA. This work

amendment, subject to City Council approval, authorizes him to act in the capacity of interim City Engineer, subject to the conditions of this amendment. In support of the work, additional Forsgren staff will support Eric, acting under his direction and responsible charge.

### Fee and Schedule

It is proposed that contract engineering services as described herein be provided to Hyrum City on a time and expense basis unless otherwise agreed to for project specific assignments. Forsgren tracks project charges electronically and established a phase code for each development with sub-phases as preferred by the client. A separate invoice is prepared for individual work items in support of easy charges and management of the work.

Charges for the work will vary depending on the size of development, extent of comments required, iterations of review and required additional content. Fees incurred by work through this amendment are not duplicative to the ALUA responsibilities or other development review task orders; this amendment simply extends legal authority to act in the capacity of City Engineer for purposes of formal approval for development or other work as required by the Hyrum City Code and as assigned by the City.

Forsgren is prepared to immediately begin providing engineering services as indicated herein with services provided on an as-needed basis to Hyrum City with no minimum charges or guaranteed number of hours.

### Agreement

If this amendment proposal meets with your acceptance, please sign below and return a copy to Forsgren to authorize the work. Engineering services are to be completed as Amendment 1, subject to the rate schedule and terms and conditions of the existing contract dated March 28, 2024 as noted above. The agreement or services requested herewith can be terminated at the discretion of the City.

Thank you for your consideration of this proposal/amendment and please contact me to discuss any questions or revisions.

Respectfully,



Craig L. Rasmussen, S.E.  
Division Manager

Hyrum City

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date