

# Proposed Change Order

**Project:** Pathfinder Community Center  
 6655 State Highway 115  
 Florence, CO 81226

**Job Number:** 20053  
**Date:** 7/8/2021



**PCO Number:** \_\_\_\_\_ **5** **Supporting Doc.:** Design and Backup from Black Hills Energy and Atmos

**Description:** Natural Gas Line & 3-Phase Power

**Scope of Change:**  
 This PCO includes the extension of the main per the design from Atmos Energy. Work is to be performed by K.R. Swerdferger Construction. This also includes the service line from the the extended main to the Pathfinder Community Center. The meter install will be included in the first service billing from Atmos Energy. This includes coordination assist from 3 Rocks Engineering and revised mechanical drawings to account for the natural gas in lieu of the propane.

This PCO includes the cost to install 3-phase 600amp, 120/208V electric service to a customer owned and installed CT cabinet. This includes (1) 45' pole, 3 primary sectionalizing cabinet, boring under CFI ditch, bore under Pathfinder park entrance, 3855' of plow installation, 4316' of 4-phase underground 1/0 cable, (1) 150Kva padmount transformer, and (2) runs of 350 secondary underground conductor. This also includes the temporary power that was brought to the site. This will also includes civil design, easement coordination and staking/ surveying assoicated with the 3-Phase Power.

**Schedule Impact:**  
 The schedule of the natural gas is dependent on permitting process (which has already began) and construction lead time once permit is in hand. To date, neither KR or Atmos Energy is committing to a start date but both know this is proceeding.

Currently the easements are still pending final sign-off from CF&I. Black Hills Energy has not committed to a start date at this point and won't until payment is received.

Subcontractor/Supplier	Description of Work	Cost
Atmos/ KR/ FCM	Natural Gas	\$ 60,113.75
Black Hills Energy/ FCM	New 3-Phase Power brought to site	\$ 123,786.48
	3-Phase Power Distribution Allowance Usage	\$ (202,000.00)
<b>Total</b>		<b>\$ (18,099.77)</b>

**Approved:** \_\_\_\_\_  
 Owner Company Name

**Date:** \_\_\_\_\_

**K. R. SWERDFEGER  
CONSTRUCTION, INC.**  
421 East Industrial Blvd.  
PUEBLO WEST, CO 81007  
(719) 547-0242  
FAX (719) 547-9297

PROPOSAL SUBMITTED TO <b>3 Rocks Engineering</b>		PHONE <b>719-465-0262</b>	DATE <b>6-11-21</b>
STREET <b>425 Main St, Suite 19</b>		JOB NAME: <b>3037 Pathfinder Main</b>	
CITY, STATE and ZIP CODE <b>Canon City, CO 81212</b>			
ARCHITECT/ENGINEER	DATE OF PLANS	FAX	Attn: <b>Alex Ewers</b>

**We Propose** hereby to furnish material and labor – complete in accordance with specifications below, for the sum of:

Forty Two thousand, One Hundred and Sixty dollars Dollars (\$ **42,160.00** )

**Payment to be made as follows: full payment before start of project**

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications is –low involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Our works are fully covered by Workman's Compensation Insurance.

Authorized Signature Tim Masse

Note: This proposal may be With drawn by us if not accepted within 120 Days.

We hereby submit specifications and estimates for:  
Notes:

**1) Install / Supply 2000ft of 2' PE, 600ft by boring, per the RFP**

**2) Once payment is paid in full material will be order and we can schedule installation with Developer**

INCLUSIONS: See Above

EXCLUSIONS: frost excavation, storm water and BMTS

**Acceptance of Proposal** – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: \_\_\_\_\_

Signature \_\_\_\_\_

Signature \_\_\_\_\_



**BUILDER SERVICES 1-866-332-8667**  
**CUSTOMER SERVICE 1-888-286-6700**  
**EMERGENCY 1-866-322-8667**  
**CALL BEFORE YOU DIG COLORADO 811**

**LOAD SURVEY FOR GAS LINE AND METER SIZE**

LIST OF EQUIPMENT	INPUT (btu/hr)	PRESSURE REQUIRED FOR EQUIPMENT OPERATION	MAXIMUM PRESSURE RATING FOR EQUIPMENT Regulator and Control Valve
#18 Gas Floor Fryer	122,000	4" w.c. (10 mbars/1kPA)	
#22 Griddle	120,000	5.0" w.c.	
#23 Range	227,000	5.0" w.c.	
RTU-1	400,000	8" WC	
RTU-2	400,000	8" W.C.	
GWH-1	199,000	7" W.C.	

**GAS METER LOCATION**

- Must be in a readily accessible and safe location
- May not be located under openings into a structure (windows, doors, air vents, etc.)
- Location may not be subject to potential damage (i.e. parking areas, snow loads and snow removal areas, etc.)
- There may be additional costs associated with providing elevated pressure delivery

**NEW SERVICE LINE APPLICATION**  
**Fremont County**

105 McCormick Pkwy Canon City, CO 81212

**PREPAY: (Make check payable to Atmos Energy Corporation)**

**Commercial CO 160-foot, 1 1/4-inch service line.**

**Total cost of New Gas Service \$1,964.78**

Additional charges may be incurred for the following construction conditions:

Bores, frost excavation, asphalt removal/replacement, concrete removal/replacement,

rock excavation, construction in excess of 70 feet.

**Subdivision: Install request date**

**Name: Farrington Construction**

**Project Site Address: Pathfinder FINDER Park Building Service**

**City, State and Zip: Florence, CO**

**Standard Pressure: Standard delivery pressure is 1/4 psi (7" w.c.) Elevated pressure will not be provided without documentation from the equipment manufacturer that justifies a need for elevated pressure.**

**Pressure Requested:**

I understand, acknowledge, and accept any and all responsibility and liability for the use of the elevated gas pressure delivered to the above described location. I affirm that all required pressure protection (regulators, pressure relief devices, etc) downstream of the receipt point (meter location) is in place and meets the pressure rating required to accept the elevated natural gas pressure requested. I affirm that all piping and equipment within the natural gas system meets or exceeds and will remain in compliance with all applicable code requirements. I affirm that all required plumbing pressure inspections will be performed before delivery and that requirements of NFPA 54, as applicable, will be met. Finally, I acknowledge that I may bear responsibility for any additional costs incurred by Atmos Energy associated with the delivery of the elevated pressure.

**Customer Signature:**

**Date:**

**Account Billing Information**

**Name:**

**Address:**

**City, State and Zip:**

**Work Phone #:**

**Cell Phone #:**

**E-Mail address:**

**HVAC/Mech/Plumbing Company:**

**Office Use Only**

**Business Partner (BP)**

**Connection Object (CO)**

**Synergy Ticket Number**

**Meter Reading Unit (MRU)**

**Portion**

**MDS Number:**

# Change Order

**3 Rocks Engineering**  
425 Main St. Suite 19  
Cañon City, CO 81212  
719-430-5333



Project Name: **Pathfinder**

Job # **20.085**

Project Address: **6655 State Hwy 115, Florence, CO 81226**

Client: **Farrington Construction Management**

Change Order # **2**

Current Change Order Amount: **\$2,100.00**

Description of Change:

3 Rocks Engineering has been asked to coordinate with Atmos Energy to possibly extend the gas main through the site and coordinate an easement so that the proposed building may be serviced by natural gas in lieu of propane. Additionally, after further review by the GC, it has been requested that we regrade the parking lot.

Approve By:

A handwritten signature in blue ink, appearing to read "Alex Evans", is written over a horizontal line.

3 ROCKS ENGINEERING

CLIENT/CLIENT'S REPRESENTATIVE

Date: **05/17/2021**

Date:



## Request for Proposal

<b><u>Project Name:</u></b>
<b>3037 Pathfinder Main Ext 2021</b>
<b>Fremont County, CO</b>

<b><u>5/21/2021</u></b>
<b>REV:0</b>

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## **INTRODUCTION**

The Colorado – Kansas Division of Atmos Energy Corporation has initiated a contractor alliance process to allow its customer to select a contractor for the execution of the project depicted in the following paragraphs.

The Colorado – Kansas Division sincerely appreciates your participation.

Cordially,

**Mark Cristelli**

**Project Specialist**

Colorado – Kansas Division

Atmos Energy Corporation

# 1 SCOPE OF WORK

This project is a 2000' (approximate) 2" HDPE gas main extension to serve the Fremont County Community Center that is currently under construction in Fremont County, outside of Florence, CO.

## 2 DETAILED SCOPE OF WORK

### 2.1 2" HDPE Gas Main Extension

- 2.1.1 This main extension will begin at the point of the end of the 2" gas distribution system on W 3<sup>rd</sup> St (also known as CO HWY 115) on the west end of Florence, CO. This point is 1500' west of the center line of the Oak St/W 3<sup>rd</sup> St intersection. This point is marked with a yellow Atmos tri-view line marker at the end of the existing main.
- 2.1.2 At this end point, excavate the existing main and squeeze it down 3' from the end of the main. Once the main is squeezed down, cut off the end cap and fuse on 2" HDPE gas pipe using a 2" EF coupling for the connection.
- 2.1.3 Extend the 2" HDPE gas pipe, referenced in 2.1.2, and extend it west 2000', approximately, to the east end of the entrance to Pathfinder Park. At this point, fuse on a 2" HDPE, BF cap onto the 2" HDPE gas pipe. Attach a 5-pound, magnesium anode onto the locate wire. Extend the locate wire above ground and affix to an Atmos tri-view line marker.

### 2.2 Gas Main Running Line

- 2.2.1 The proposed gas main extension, referenced in 2.1, shall be installed within the CDOT ROW to the east property line of the Fremont County property. The length of this segment is 500', approximately. At this point, the main extension shall enter the Fremont County property. The main shall be installed within a 15' easement across the front of the Fremont County property. The front of the property is 1490' (approximately). Specifically, the proposed main shall be installed parallel to the property line/CDOT ROW line, maintaining 5' of separation for the entirety of this segment.
  - 2.2.1.a An Atmos tri-view line marker shall be installed at the point where the proposed gas main extension enters the front lot easement, on the east end of the Fremont County property. At this point, the locate wire shall be extended above ground and affixed to this Atmos tri-view line marker. This locate wire shall be attached in parallel to the locate wire that is to be installed with the proposed gas main.



- 2.2.1.b Atmos tri-view line markers shall be placed in 500' intervals along the entirety of the proposed main extension.

## **2.3 Bore under Union Ditch**

- 2.3.1 At a point 500' (approximate) west of the tie in point referenced in 2.1.1, the proposed main extension shall be bored perpendicularly (more or less) underneath the Union Irrigation Ditch. The proposed main shall be bored in at a depth of 5' (minimum) below the bed of the existing ditch. The bore profile of the bore shall be approved by Atmos energy technical services prior to the energizing of the proposed main.

## **2.4 Pressure Test Requirements**

- 2.4.1 The Intermediate Pressure HDPE Mains shall be pressure tested at a minimum of 150 PSIG, not to exceed 175 PSIG, for the duration indicated in the Atmos Energy Construction Procedures Manual.
- 2.4.2 Contractor to provide proper material and equipment to perform pressure tests in accordance with DOT regulations. Pressure charts of the tests performed shall be provided to Atmos Energy as part of documentation.
  - 2.4.2.a The pressure recording device shall record pipe temperature and pressure.
  - 2.4.2.b The pressure recording device used shall be scaled so that the chart and/or pressure transducer have a range of no more than 200% of the minimum required test pressure.
  - 2.4.2.c If an electronic recorder is used, it shall capture pressure readings at intervals not to exceed 10 minutes.
  - 2.4.2.d The contractor shall be responsible for providing nitrogen if the contractor chooses to use it to perform the pressure test.
  - 2.4.2.e The contractor shall be responsible for obtaining and disposing the water and all of the required permits if the contractor chooses to perform a hydrostatic pressure test.
  - 2.4.2.f If a hydrostatic pressure test is performed, the contractor will be responsible for the disposition of the water and any methanol used for the pressure test and line drying operations.

## **2.5 Coatings and Protections**

- 2.5.1 The new pipeline shall have a CP test or locate station installed every ½ mile. Additional stations shall be installed at the tie-in locations, each side of any HDD bore, and at the end of the pipeline.
- 2.5.2 Anodes shall be installed in accordance with the Atmos Energy Construction Manual in addition to each entry and exit pit of a HDD bore segment.
- 2.5.3 Any abandoned pipe segments shall be locatable by installing a different colored and labeled wire into nearby existing or newly installed CP test or locate stations.
- 2.5.4 The continuity of the locate wire shall be verified after installation.
- 2.5.5 Pipeline markers shall be installed so that line-of-sight is achieved from one marker to the next.
- 2.5.6 All services with an EFV installed shall be trip tested to verify the proper operation of the EFV.

## **2.6 Inspection**

- 2.6.1 Atmos Energy will provide an inspector that shall inspect the project to Atmos Energy standards, procedures, and work scope.
- 2.6.2 The Atmos Energy Inspector shall be present to witness all critical tasks identified by Atmos Energy.
  - 2.6.2.a** These tasks include but are not limited to: tapping and plugging (stopping), purging of mains, tie-in of mains, welding, pigging, pressure test (pressurization and blowdown), and gas level readings during purging.

## **2.7 Limitations**

- 2.7.1 Work schedule shall be no more than ten(10) hours per day and no more than five(5) days per week, unless otherwise approved by the Atmos Energy Inspector.
  - 2.7.1.a Construction activities are permitted as follows:
  - 2.7.1.b From 7:00 AM to 7:00 PM in local streets.
  - 2.7.1.c From 8:30 AM to 6:00 PM in arterial streets.

- 2.7.2 Main Tie-ins or plugging (stoppling) mains shall not occur on any Friday, Saturday or Sunday.
- 2.7.3 All Intermediate Pressure main shall be installed at a minimum depth of 36", not to exceed 60" in depth without authorization from an Atmos Energy representative.
  - 2.7.3.a Major roadway and waterway crossings shall be installed at a minimum depth of 60".
- 2.7.4 Any joint trenching to accommodate multiple utilities into the same trench as the natural gas piping shall be done to adhere to the current Atmos Joint Trenching Standard, drawing STD. 10-001

### 3 CHANGE MANAGEMENT

#### 3.1 Scope Changes

- 3.1.1 All changes from the original design as stated in this Scope of Work Package shall be approved, in writing, by the listed Project Specialist.

### 4 BID SUBMITAL

#### 4.1 Statement of Compliance

The Contactor shall submit with his/her bid a statement indicating the bid is in full compliance with the entire Request for Proposal package.

### 5 APPLICABLE DOCUMENTS

The documents and forms listed below are considered to be a part of the Request for Proposal package. Any documents not included with the RFP package can be accessed through Atmos Energy's ISNetwork Message Board. If any contradiction appears to exist between any applicable documents, regulations, or the contents of this Request for Proposal package, it is the Contractor's responsibility to contact Atmos Energy for clarification and/or direction, as well as, request any missing documents.

#### 5.1 Standards

<u>Document Title</u>	<u>Revision</u>	<u>Date</u>
49 Code of Federal Regulations, Part 192	Latest	N/A
Atmos Energy Construction Manual	Latest	N/A

Atmos Energy Operations and Maintenance Manual	Latest	N/A
Contractor OQ Provisions (Contractor Guideline)	Latest	N/A
HDD Technical Specification	2	Sept. 2014
Tie-in and Abandonment Bulletin	1	N/A

## 5.2 Documents

<u>Document Title</u>	<u>Revision</u>	<u>Date</u>
Appendix A – Bill of Materials		5/17/2021
Appendix B – Qualified Personnel Survey		5/17/2021
Appendix C – Project Plans and Figures		5/21/2021

## 6 RESPONSIBILITIES

The following responsibilities and duties shall fall onto the respective parties in order to complete the scope of work.

### 6.1 Atmos Energy Responsibilities

- 6.1.1 Administer Lock Out/Tag Out/ Clearance procedures of Atmos owned facilities.
- 6.1.2 Provide one 30 gallon and two 5-gallon spill prevention kits to Contractor.
- 6.1.3 Provide 48 hours' notice to customer before disrupting service or entering property.

### 6.2 Customer Responsibilities

- 6.2.1 Contract and coordinate timing of construction with an approved Atmos Energy contractor for the installation of the natural gas facilities in accordance with the work detailed within this document and all other applicable standards, appendices, and attachments.
- 6.2.2 Provide recorded plats and/or easements depicting any and all public rights-of-way and/or easements to be granted within the work are described above that are not previously established or recorded.
  - 6.2.2.a Recorded plats/easements must be received by Atmos Energy prior to the start of installation.

- 6.2.3 Provide access to Atmos Energy and its representatives to property(s) associated with the work as described above.
- 6.2.4 Perform all earthwork and site grading to within six (6) inches of final grade, prior to construction of natural gas facilities.

### **6.3 Contractor Responsibilities**

- 6.3.1 Provide necessary supervision, labor and equipment to complete the project.
  - 6.3.1.a Contractor shall provide a sufficient amount crews for a timely completion of the project. Each crew provided shall be a three (3) man crew.
  - 6.3.1.b Each crew lead shall have completed LocusView training or refresher training by an Atmos Approved Trainer within twelve (12) months prior to starting construction.
- 6.3.2 Obtain all environmental and construction permits prior to construction as required by jurisdiction.
- 6.3.3 Provide, install, maintain, inspect and remove erosion control devices as required by the City and/or in the Storm Water Pollution Prevention Plan (SWPPP). (If required.)
- 6.3.4 Have proper Operator Qualification certification before start of project and maintain certification throughout the term of the project.
- 6.3.5 Prepare pipe joints, fittings, etc. for field applied coatings according to coating manufacturers' specifications.
- 6.3.6 Provide manufacturer certified/trained labor to apply field coatings according to manufacturers' specifications and recommendations.
  - 6.3.6.a Provide labor, materials, and equipment necessary for conducting pipe coating inspection.
  - 6.3.6.b Notify Atmos Energy Inspector and repair any defects in the pipe coating.
- 6.3.7 Provide and install fused/welded caps to be temporarily installed for any installed pipe to prevent foreign materials and water from entering the line.
  - 6.3.7.a No pipe ends shall be left open overnight.
- 6.3.8 Install safety fencing around all open ditches in addition to parking equipment around bell holes whenever site is left unsupervised.
- 6.3.9 Any equipment parked within the City ROW shall be coned off.

- 6.3.10 Provide all barricades and signage as required.
- 6.3.11 Provide traffic control in conformance to the Manual on Uniform Traffic Control Devices (MUTCD) as required, including acquisition of any related permits.
- 6.3.12 Bedding and backfill outside of the travel portions of the roads shall be accomplished by wheel rolling packing. Excavations within the travel portions of the roads shall be compacted to a degree to assure settling of the excavation will not occur.
- 6.3.13 Contractor to supply all bedding and backfill material for the project.
  - 6.3.13.a Select bedding from spoil which is free of large rocks and debris to place directly around the pipeline. Bedding must be granular material and provide firm support under the pipe.
- 6.3.14 Install line markers along installation path after construction activities in the immediate area have ceased.
- 6.3.15 Cut, remove and replace concrete as needed.
- 6.3.16 Be responsible for negligent damage to pavement, curbing, sidewalk, etc. during construction.
- 6.3.17 Provide temporary and permanent repair for all paving cuts.
- 6.3.18 Be responsible for cutting and clearing vegetation and growth along the installation paths.
- 6.3.19 Be responsible for returning work site to its original working condition, including ditches, drainages, grading, private drives, and any necessary landscaping and re-vegetation.
- 6.3.20 Be responsible for disposition or haul off of all spoil and debris.
- 6.3.21 Obtain line locates for all existing utilities prior to construction.
- 6.3.22 Post construction camera inspections of all sewer mains and lateral facility crossing shall be completed by an approved Atmos Energy service provider where trenchless excavation occurred. Communicate on a daily occurrence to the Atmos Energy Inspector the work to be performed for that day.
  - 6.3.22.a The Contractor shall not cover any part of the system until it has been approved by the Atmos Energy Inspector.

- 6.3.22.b Failure to allow the Atmos Energy Inspector to inspect identified tasks may result in the rejection of work performed at the Contractor's expense.
- 6.3.23 Work with Atmos Energy to Provide 48 hours of notice to customer before disrupting service or entering property.
- 6.3.24 Place one 30 gallon and two 5-gallon spill prevention kits (provided by Atmos Energy) on job site.
  - 6.3.24.a These kits will be returned to Atmos Energy if not used.
  - 6.3.24.b An Atmos Energy Inspector will be notified immediately upon any spill, identifying type and quantity of spill.
- 6.3.25 Two (2) digital video copies shall be provided to Atmos Energy detailing the work site prior to the start of construction and upon completion of the work.
- 6.3.26 Submit all required documentation, including but not limited to, electronic as-built data, test charts, bore logs, paper documents, no later than 10 days after final tie-in of facilities. All records shall be turned over to Atmos Energy representative in Atmos Energy's standard closure package.
  - 6.3.26.a As-builts must contain all information with measurements for installed facilities.
  - 6.3.26.b As-builts must contain all information with measurements for retirements.
  - 6.3.26.c As-builts must contain all information with measurements for service lines installed.
  - 6.3.26.d All work orders, signed pressure charts (Project Number and Name), HDD bore profiles, and inspection test reports must be filled out with accurate information.
- 6.3.27 Be responsible for complying with all local, state and federal construction and environmental guidelines/requirements.
- 6.3.28 All work shall be performed in accordance with the Code of Federal Regulations Part 192 Pipeline Safety Rules and all other applicable rules and regulations.
- 6.3.29 All work shall be performed in accordance with the Atmos Energy Construction Manual and the terms and conditions of the Master Service Agreement.
- 6.3.30 Provide a Portable Restroom Unit. The number of units will depend on the number of employees the contractor has working permanently on that job. It should follow OSHA construction sanitations standards requirements.

## **7 MATERIALS**

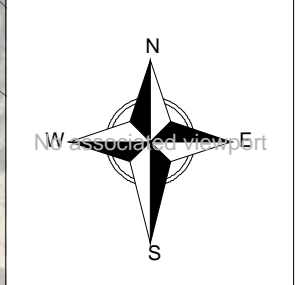
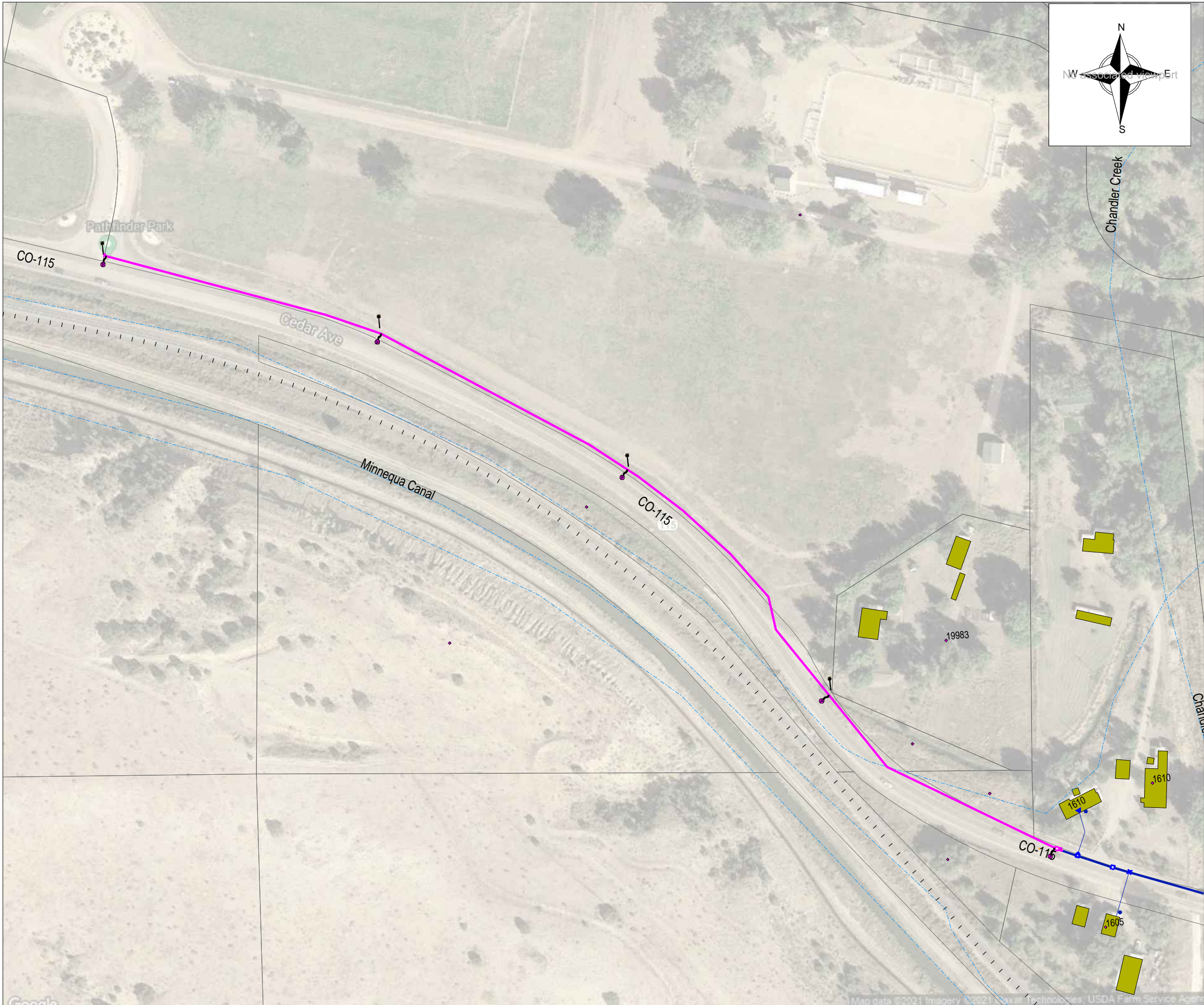
### **7.1 Material Procurement**

- 7.1.1 Contractors will purchase/provide the materials identified in Appendix A.
  - 7.1.1.a Materials must be approved Atmos Energy materials from approved suppliers.
- 7.1.2 Provide all pipe, fittings, flanges, etc. that is to be part of the installed pipeline system.
- 7.1.3 Provide all consumable materials that will not be a permanent part of the installed pipeline system, including but not limited to: welding materials, pigging materials, coating applicators, temporary caps, etc.

### **7.2 Material Delivery and Storage**

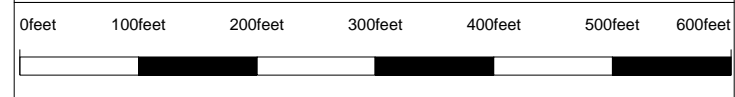
- 7.2.1 The Contractor shall provide suitable and secure site for the delivery and storage of project materials.
- 7.2.2 The Contractor is responsible for transporting the materials from the storage location(s) to the project site.
- 7.2.3 Be responsible for inspecting materials upon receipt. The Contractor shall notify the Atmos Energy Inspector of any damage incurred to the materials, including coatings, during transit and/or handling.
- 7.2.4 Upon receipt of materials, the Contractor assumes responsibility for quantities and condition of the material until project completion.
- 7.2.5 Contractor will remove any unused materials from the job site.





### Legend

- Main.Existing Intermediate Pressure Route
- Main.Proposed Intermediate Pressure Route
- - - Service.Existing Intermediate Pressure Route
- Service.Service Tap Location - Existing
- Service Riser.Existing Location
- Cap.Proposed Location
- Coupling.Existing Location - No
- Coupling.Proposed Location - No
- Excess Flow Valve.Existing Location
- Flow Control Device.Existing Short-Stop Location
- Flow Control Device.Existing Tapping Tee Location
- Squeeze.Proposed Location
- CP Anode.Proposed Location
- Gas Demand Point.Existing Location
- Line Marker.Post Location



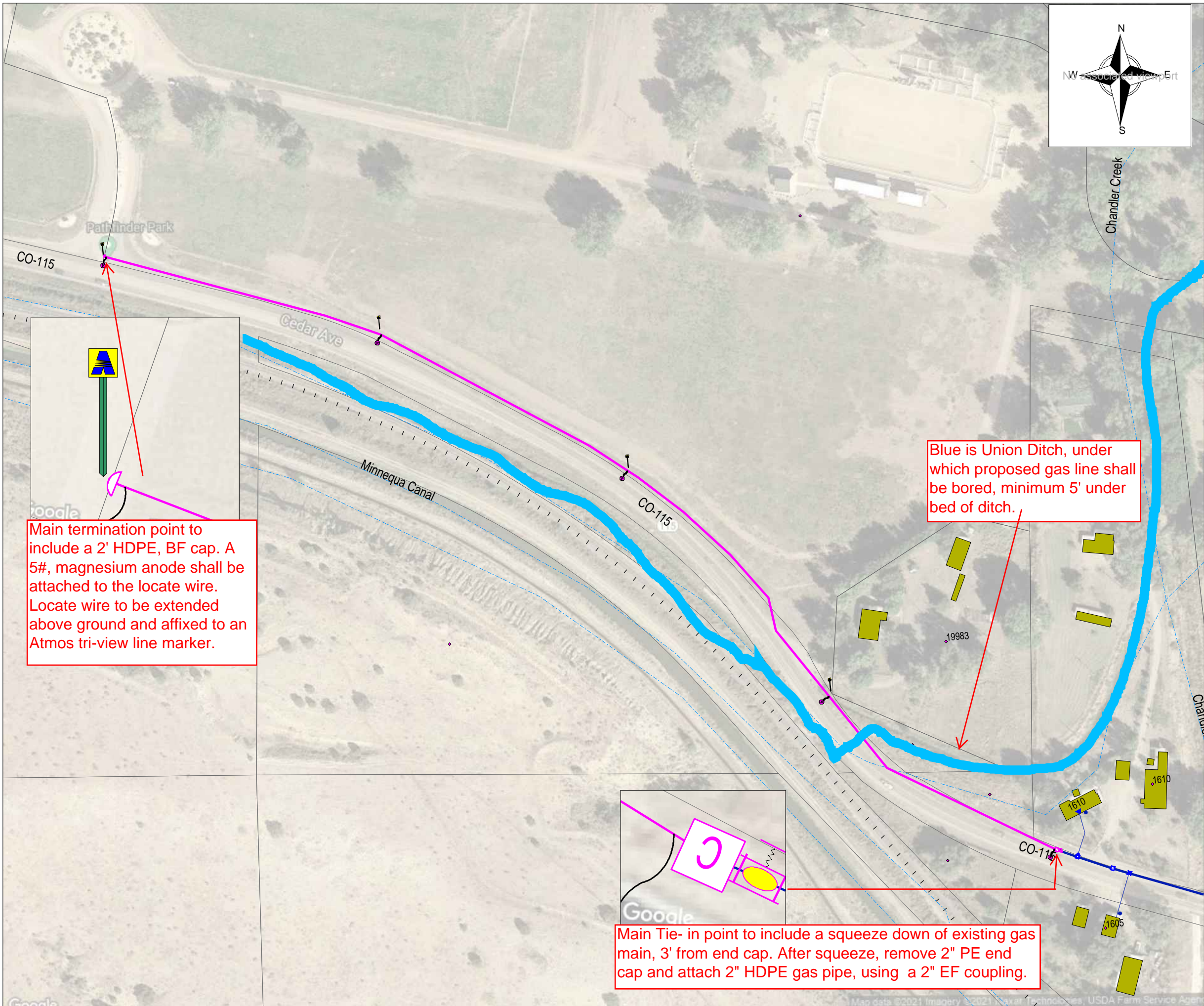
**3037 Pathfinder Main Ext 2021**  
 This project is a 2000' (approximate) 2" HDPE gas main extension to serve, primarily, the Fremont County Community Center currently under construction at Pathfinder Park, Fremont County, CO.

### NOTES:



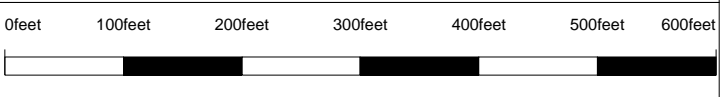
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### Legend

- Main.Existing Intermediate Pressure Route
- Main.Proposed Intermediate Pressure Route
- Service.Existing Intermediate Pressure Route
- X Service.Service Tap Location - Existing
- ▲ Service Riser.Existing Location
- D Cap.Proposed Location
- C Coupling.Existing Location - No
- C Coupling.Proposed Location - No
- O Excess Flow Valve.Existing Location
- Flow Control Device.Existing Short-Stop Location
- T Flow Control Device.Existing Tapping Tee Location
- S Squeeze.Proposed Location
- A CP Anode.Proposed Location
- Gas Demand Point.Existing Location
- ↑ Line Marker.Post Location



3037 Pathfinder Main Ext 2021  
This project is a 2000' (approximate) 2" HDPE gas main extension to serve, primarily, the Fremont County Community Center currently under construction at Pathfinder Park, Fremont County, CO.

**NOTES:**



Maps, drawings and electronic data (products) are created for the internal purposes of Atmos Energy with no implication of suitability or fitness for the internal use of the recipient. Atmos Energy will make good faith efforts to provide products that are free from error, but does not warrant the accuracy or quality of such products. The locations shown are approximations and are not intended to show exact locations. Products provided to other parties by Atmos Energy are for the internal use of the recipient, and the recipient agrees not to duplicate or distribute the products or any portion of the products to third parties without the prior written permission of Atmos Energy. The recipient further agrees to hold harmless and indemnify Atmos Energy against all claims, costs, expenses and damages resulting from or predicated upon strict liability for personal injuries, death or property damage, on account of any defects in the property provided hereunder.

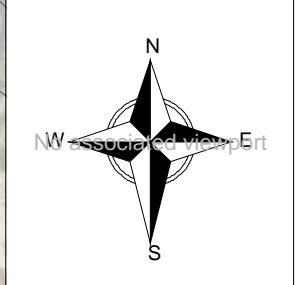
Main termination point to include a 2' HDPE, BF cap. A 5#, magnesium anode shall be attached to the locate wire. Locate wire to be extended above ground and affixed to an Atmos tri-view line marker.

Blue is Union Ditch, under which proposed gas line shall be bored, minimum 5' under bed of ditch.

Main Tie- in point to include a squeeze down of existing gas main, 3' from end cap. After squeeze, remove 2" PE end cap and attach 2" HDPE gas pipe, using a 2" EF coupling.



# EASEMENT/RUNNING LINE DIAGRAM



**Yellow area represents the 15', front lot easement currently being drafted and signed. This easement will allow the proposed 2" HDPE gas main to be installed on the Fremont County parcel (within this easement) and NOT in the CDOT ROW. It is expected that the contractor shall enter into this easement (from the CDOT ROW) at the furthest east point possible, given the fact that the bore underneath the Union Ditch is on the curve and is immediately east of this easement.**

### Legend

- Main.Existing Intermediate Pressure Route
- Main.Proposed Intermediate Pressure Route
- - - Service.Existing Intermediate Pressure Route
- Service.Service Tap Location - Existing
- Service Riser.Existing Location
- Cap.Proposed Location
- Cap.Proposed Remove Location
- Coupling.Existing Location - No
- Coupling.Proposed Location - No
- Excess Flow Valve.Existing Location
- Flow Control Device.Existing Short-Stop Location
- Flow Control Device.Existing Tapping Tee Location
- Squeeze.Proposed Location
- CP Anode.Proposed Location
- Gas Demand Point.Existing Location
- Line Marker.Post Location

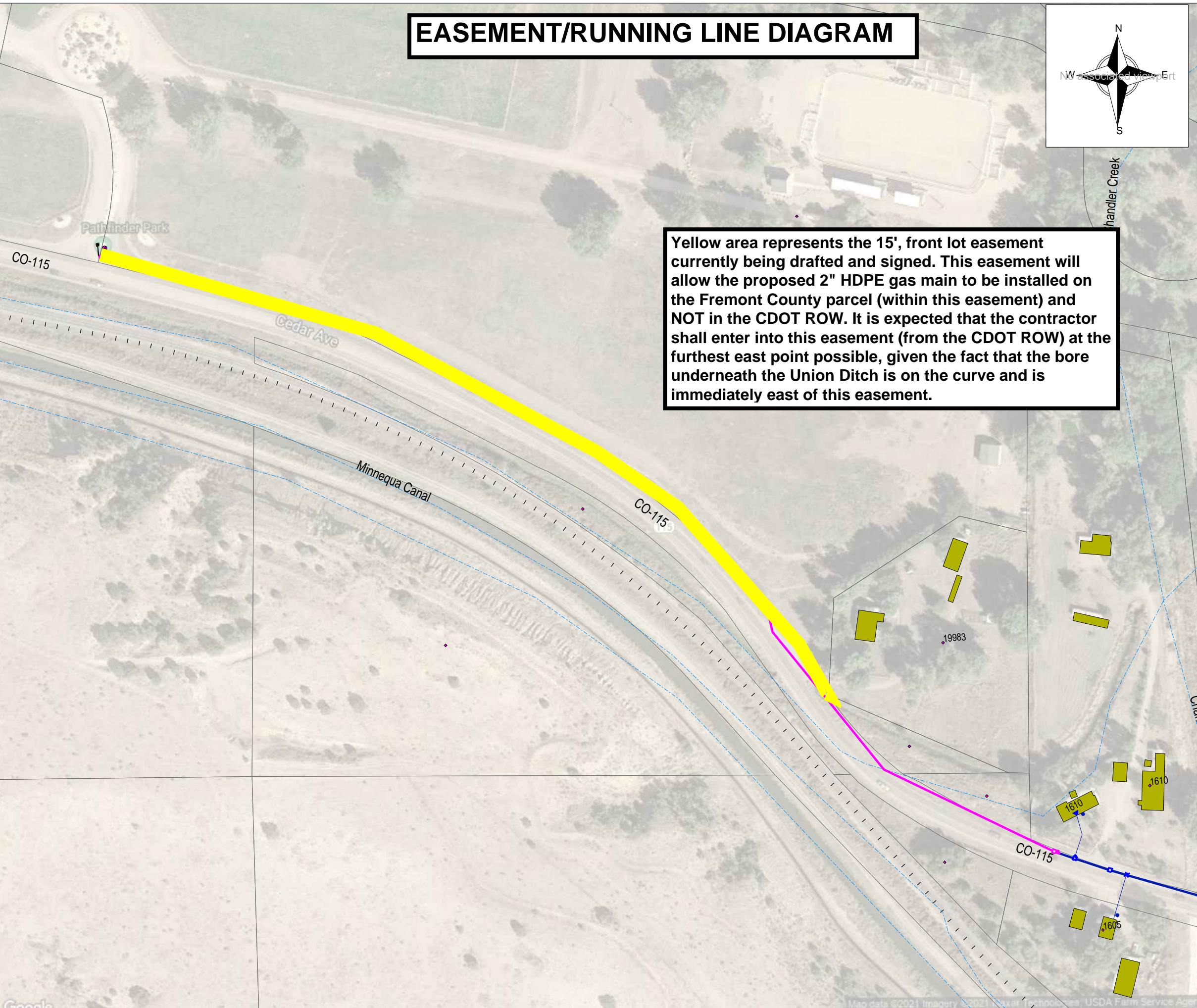
0feet 100feet 200feet 300feet 400feet 500feet 600feet

**3037 Pathfinder Main Ext 2021**  
 This project is a 2000' (approximate) 2" HDPE gas main extension to serve, primarily, the Fremont County Community Center currently under construction at Pathfinder Park, Fremont County, CO.

**NOTES:**



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## Appendix B - Qualified Personnel Survey

Construction Order No: **C**

Completion Date: \_\_\_\_\_ Contractor Name: \_\_\_\_\_

Project Number:  •

Req	Task	Task Description	ISN/Employee Number	ISN/Employee Number
	<b>E01</b>	Welding in a Fixed Position using Manual Metal Arc Weld (SOCR = 1:0)		
	<b>E02</b>	Welding Branch Connections using Manual Metal Arc Weld (SOCR = 1:0)		
	<b>E05</b>	Perform Non-Destructive Tests on Steel Welds (X-ray, Magnetic Particle and / or Liquid Penetrant) (SOCR = 1:0)		
	<b>E06</b>	Visual Inspection of Steel Welds (SOCR = 1:0)		
	<b>G01</b>	Repairing Steel Pipe - Distribution (SOCR = 1:3)		
	<b>G02</b>	Installing of Underground Casing (SOCR = 1:1)		
	<b>H04</b>	Installing / Replacing Service Valves (SOCR = 1:1)		
	<b>I-05</b>	Installing / Replacing CP Test Leads to Pipe (SOCR = 1:1)		
	<b>I-09</b>	Internal Corrosion Control (SOCR = 1:3)		
	<b>I-10</b>	Atmospheric Corrosion (SOCR = 1:3)		
<b>X</b>	<b>M03</b>	Locating and Marking Lines (SOCR = 1:1)		
	<b>M04</b>	Testing Service Lines (New and Reinstating) (SOCR = 1:1)		
<b>X</b>	<b>M05</b>	Testing Mains and or Transmission Lines (SOCR = 1:1)		
<b>X</b>	<b>M08</b>	Preventing Accidental Ignition (SOCR = 1:1)		
	<b>M09</b>	Making Permanent Repairs on Transmission Lines (SOCR = 1:1)		
	<b>M10</b>	Inspect, Repair, Tap and Protect Cast Iron Pipe (SOCR = 1:2)		
<b>X</b>	<b>M14</b>	Damage Prevention during Excavation or Encroachment (SOCR = 1:1)		
<b>X</b>	<b>M16</b>	Recognize and React to Generic Abnormal Operating Conditions (AOC) (SOCR = 1:3)		
Req	Task	Task Description (If this form is accompanying a const. order, tasks below only need to be populated if additional entries needed)	ISN/Employee Number	ISN/Employee Number
<b>X</b>	<b>F01</b>	Joining or Capping of Polyethylene Pipe with Electrofusion (Coupling Fusion) (SOCR = 1:0)		
	<b>F02</b>	Joining of Polyethylene Pipe with Electrofusion (Saddle Fusion) (SOCR = 1:0)		
<b>X</b>	<b>F03</b>	Joining or Capping of Polyethylene Pipe with Heat Fusion (SOCR = 1:0)		
	<b>F04</b>	Joining of Polyethylene Pipe with Heat Fusion (Sidewall Fusion) (SOCR = 1:0)		
	<b>F06</b>	Joining of Polyethylene Pipe with Mechanical Compression Collar Fitting (SOCR = 1:0)		
	<b>F07</b>	Joining of Polyethylene Pipe with Mechanical Coupling (Stab) (SOCR = 1:0)		
	<b>F08</b>	Joining of Polyethylene Pipe with Bolt on Tapping Tee (SOCR = 1:0)		
	<b>F09</b>	Joining of Polyethylene Pipe with Bolt Type Mechanical Fitting (SOCR = 1:0)		
	<b>F10</b>	Joining or Capping of Polyethylene with Compression Nut Type Mechanical Fitting (SOCR = 1:0)		
	<b>F11</b>	Repairing Non PE Plastic Pipe (SOCR = 1:0)		
<b>X</b>	<b>G03</b>	Installation / Excavation of Pipeline (SOCR = 1:1)		
	<b>H03</b>	Installing Service Lines (SOCR = 1:3)		
	<b>I-01</b>	Conducting Pipe to Soil Measurements (SOCR = 1:3)		
<b>X</b>	<b>I-06</b>	Installing Anodes and Insulating Devices (SOCR = 1:1)		
	<b>I-07</b>	Inspecting of External Corrosion and Repairing Pipe Coating (SOCR = 1:3)		
	<b>L01</b>	Tapping Steel Pipelines Under Pressure (SOCR = 1:1)		
<b>X</b>	<b>L02</b>	Activating and Purging / Blowdown Pipelines (SOCR = 1:1)		
	<b>L04</b>	Tapping Pipelines Under Pressure with Self-tapping Tee (SOCR = 1:1)		
	<b>L07</b>	Tapping PE Pipelines Under Pressure (SOCR = 1:1)		

<b>X</b>	<b>M11</b>	Abandoning / Deactivating or Shutting Down Gas Facilities (SOCR = 1:3)		
<b>X</b>	<b>M17</b>	Installing / Maintaining Pipeline Markers (SOCR = 1:3)		



## Appendix A Bill of Materials

**Project Name:** 3037 Pathfinder Main Ext 2021  
**Project Location:** Fremont County, CO

**Prepared By:** Cristelli  
**Date:** 5/17/2021

Item	Part No.	Description	UOM	Quantity
1	157432	COUPLING EF 2 PE 4710 SGL PIN GFCP 360000920	EA	1
2	1132	PIPE POLY 2 PE 4710 YLW STRIPE SDR11 250FT PERF 1098577	FT	2250
3	680201	WIRE #12 CU YLW SOLID PE 30 MIL 500FT	FT	2000
4	651400	Caution Tape	EA	3
5	156032	CAP BF 2 PE 4710	EA	1
6	664038	ANODE 5LB 10FT LEAD	EA	5
7	8411206	MARKER TRIVIEW 66 LP ATMOS SD-8747K	EA	4
8	791269	#8 Solid Core Tracer Wire	FT	500
9	665460	Splice Kit King Fitting Wire Connector	EA	5
10				
11				
12				
13				
14				
15				

Comments	
1)	
2)	
3)	
4)	
5)	

**Reviewed By:** \_\_\_\_\_  
Contractor's Signature

\_\_\_\_\_  
Date



# INVOICE FORM

**Farrington Construction Management**

*Improving life with energy*

**Customer Billing Information:**

Name Farrington Construction Management  
 Address 400 W 48th St, Suite 200  
 City-State-Zip Denver, Co 80216  
 Phone 720-586-8147  
 Account # \_\_\_\_\_  
 Email jack@farringtonconstruction.com

**Job Information:**

Quote Date 06/30/21  
 PS WO # \_\_\_\_\_  
 PS Blanket # 115117 043 E 124  
 AS WO # \_\_\_\_\_  
 Service Req # 151756  
 Estimator Terrance Cordova  
 Planner Craig Cutter

**Job Address:**

Name Farrington Construction Management  
 Address 6655 Hwy 115  
 City-State-Zip Florence, CO 81226  
 Phone 720-586-8147

**Contact Information:**

Name Jack  
 Address \_\_\_\_\_  
 City-State-Zip \_\_\_\_\_  
 Phone 720-586-8147

**Description:**

Cost to install a 3 phase 600 amp, 120/208v Electric service to a customer owned and installed CT cabinet. Cost includes 1 45' pole, 3 primary sectionalizing cabinets, boring under CFI Ditch, bore under Pathfinder park entrance, 3855' of plow installation, 4316' of 3 phase underground 1/0 cable, 1- 150kva padmount transformer, and 2 runs of 350 secondary underground conductor. The customer will be responsible to stake the route for BHE.

**Please Return Payment to:**

**Black Hills Energy**  
**Attn: New Business**  
**3110 UTILITY LANE**  
**CANON CITY, CO 81212**

<b>Cost</b>	\$119,813.82
<b>Primary Allowance</b>	<b>\$23,828.00</b>
<b>Service Allowance</b>	<b>\$610.00</b>
<b>Total Cost</b>	<b>\$95,375.82</b>

**NOTE: Additional charges may occur due to blasting, rock, frost, road maintenance, etc.**

Company is not responsible for repairs of landscaping or driveways.

**\*\*Price is firm for 120 days from Date of Invoice\*\***

# Change Order

**3 Rocks Engineering**  
425 Main St. Suite 19  
Cañon City, CO 81212  
719-430-5333



Project Name: **Pathfinder**

Job # **20.085**

Project Address: **6655 State Hwy 115, Florence, CO 81226**

Client: **Farrington Construction Management**

Change Order # 1

Current Change Order Amount: **\$1,400**

Description of Change:

The decision was made (by others) after the original contract to bring in 3-phase power. 3-phase will be brought in by Black Hills Energy from approximately 1 mile west (Brewster Ln). 3 Rocks Engineering included some time in the original budget to coordinate utilities within the site. The revised scope requires coordination among three other property owners to begin discussions to negotiate easements for the new line. Additionally, this change order includes survey services (survey, prepare legals, staking) to be provided by subconsultant Cornerstone Land Surveying.

Approve By:

A handwritten signature in blue ink, appearing to read "Alex Evans", is written over a horizontal line.

3 ROCKS ENGINEERING

CLIENT/CLIENT'S REPRESENTATIVE

Date: **02/14/2021**

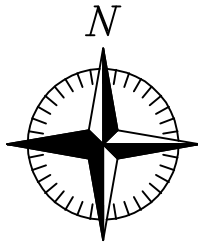
Date:



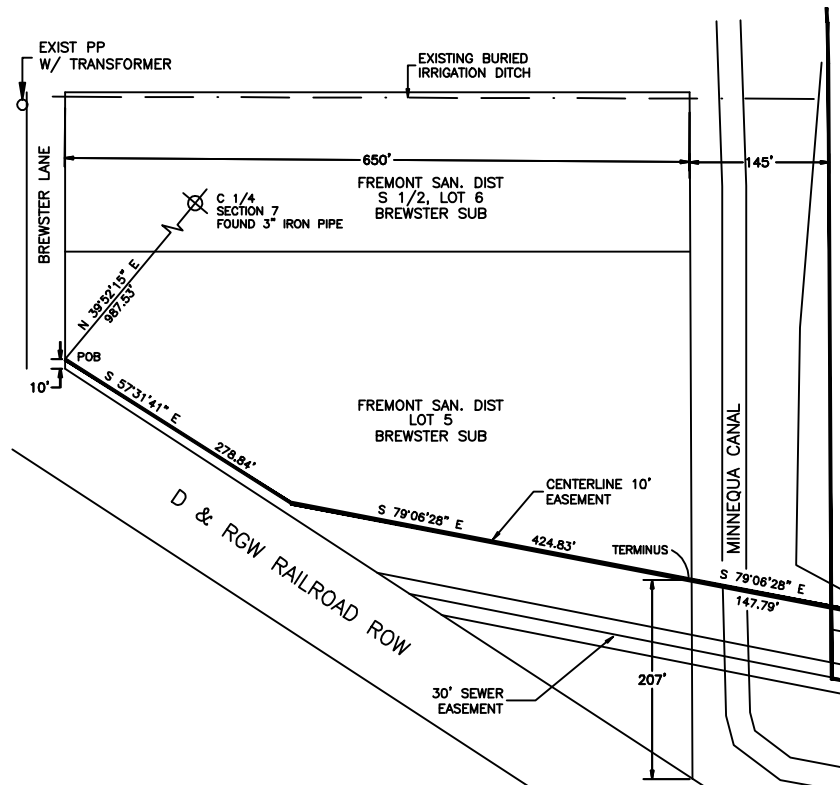
# EASEMENT

FREMONT SANITARY SEWER DISTRICT PROPERTY

SECTION 7, TOWNSHIP 19 SOUTH, RANGE 69 WEST OF THE 6TH P.M.



Scale 1" = 200'



A 10 FOOT WIDE EASEMENT OVER, ACROSS AND UNDER A PARCEL OF LAND LOCATED WITHIN SECTION 7, TOWNSHIP 19 SOUTH, RANGE 69 WEST, FREMONT COUNTY, STATE OF COLORADO, THE CENTERLINE OF SAID EASEMENT BEING DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF LOT 5, BREWSTERS SUBDIVISION, AS RECORDED IN THE RECORDS OF THE FREMONT COUNTY CLERK AND RECORDERS OFFICE, FREMONT COUNTY, COLORADO, SAID POINT BEING 10' NORTH OF THE INTERSECTIN OF THE WEST LINE OF LOT 5 AND THE NORTH LINE OF THE D. & R. G. W. RAILROAD RIGHT-OF-WAY, FROM WHENCE THE C 1/4 OF SECTION 7 BEARS  $N 39^{\circ}52'15'' E$ , 987.53 FEET; THENCE  $S 57^{\circ}31'41'' E$ , 278.84 FEET; THENCE  $S 79^{\circ}06'28'' E$ , 424.83 FEET TO THE TERMINUS POINT, SAID POINT BEING ON THE EAST LINE OF SAID LOT 5.