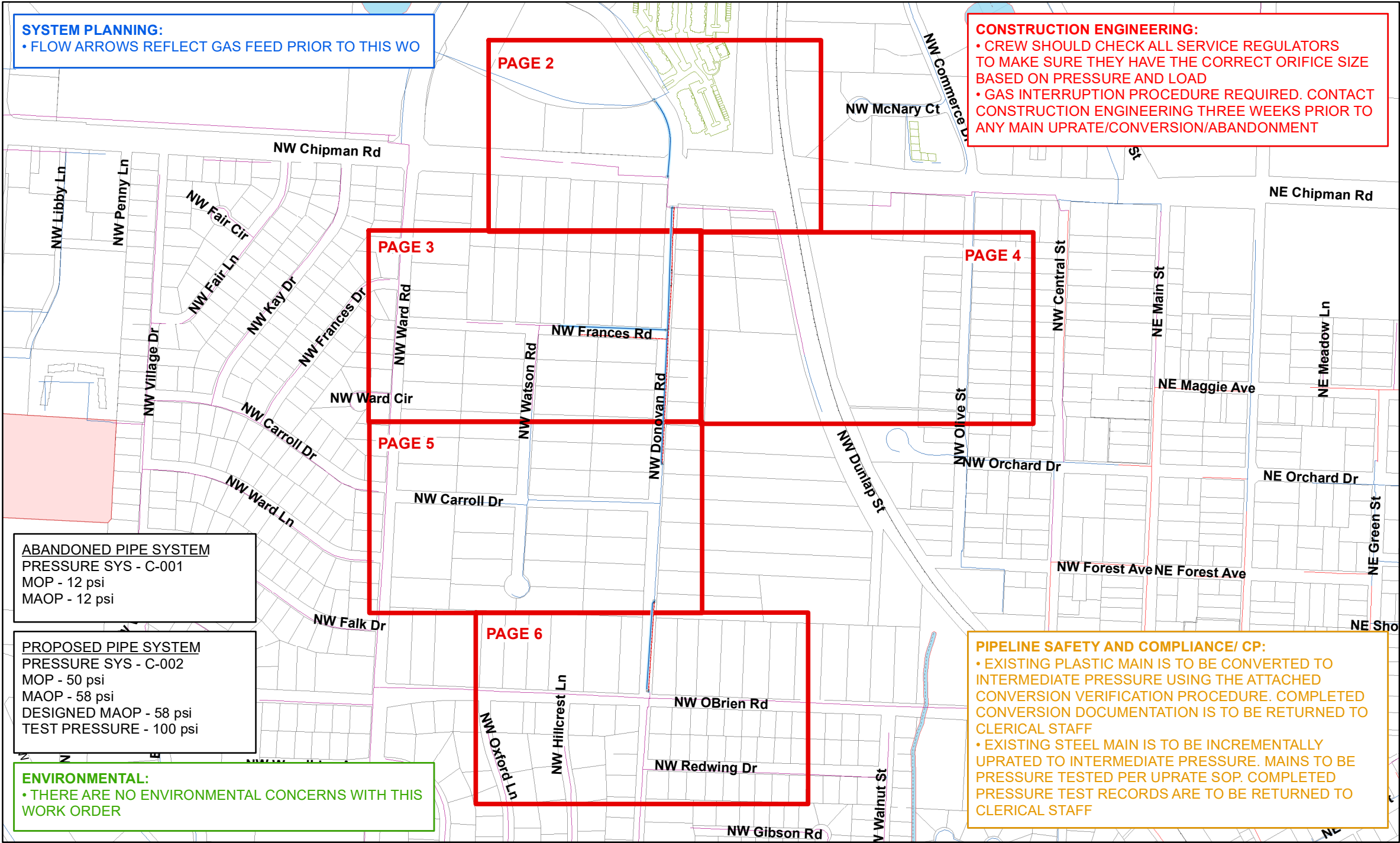


Job Description: Peggy & McClendon Isolated Bare Steel
Phase A
Maximo Work Order: 22199672

Region: South
TownCode:0901

Sector: 0802
Project #: 805124



- 1. INSTALL AND ABANDON STEEL AND PLASTIC MAIN AND SERVICES PER SPIRE OPM STANDARDS.
- 2. SEE STD. 200.0 FOR PRESSURE TESTING PIPING REQUIREMENTS
- 3. SEE STD. 180.B FOR EFV AND/OR MANUAL SHUTOFF VALVE INSTALLATION REQUIREMENTS
- 4. SEE STD. 170.I AND 190.G FOR TRACE WIRE AND TEST STATION INSTALLATION INFORMATION.
- 5. CORROSION PROTECTION INSPECTOR TO CHECK CATHODIC PROTECTION OF ALL EXISTING CATHODICALLY PROTECTED FACILITIES EXPOSED AND PROTECTED FACILITIES EXPOSED AND DIRECT STEPS NECESSARY TO MAINTAIN PROPER ISOLATION AND CATHODIC PROTECTION AS REQUIRED. A PIPE OBSERVATION REPORT IS TO BE CREATED IN MAXIMO ON READINGS
- 6. INSTALL ANODES PER STD. 190.C AND/OR TEST STATIONS PER STD. 190.G PER INSTRUCTIONS FROM CORROSION PROTECTION INSPECTOR.
- 7. CONDUCT INITIAL CATHODIC PROTECTION SURVEY FOR NEW STEEL INSTALLATION. (See 190.I for Cathodic Protection at Tie Ins)
- 8. CREATE PIPE OBSERVATIONS IN MAXIMO TO DOCUMENT EXPOSED PIPE CONDITIONS PER STD. 190.A, External Corrosion. 0.
- 9. FOR UTILITY LOCATES, CALL ONE-CALL SYSTEM "811"OR (1-800-344-7483), AND ALL OTHER AFFECTED UTILITIES
- 10. CONTACT GIS DEPARTMENT FOR NECESSARY FIELD NOTES AT 314-349-2963.
- 11. CONTACT ROW TO SECURE NECESSARY EASEMENTS AND FOR ANY SURVEY WORK@ (314-658-5497 OR 314-349-2933)
- 12. SEE STD. 170.J FOR SQUEEZE-OFF PROCEDURE
- 13. SEE STD. 170.A FOR GAS INTERRUPTION PROCEDURE REQUIREMENTS. CONTACT SYSTEM CONTROL AT 314-658-5486 OR 314-658-5488 PRIOR TO ANY WORK
- 14. SEE STD. 150.A and 150.E FOR RADIOGRAPHIC EXAMINATION REQUIREMENTS
- 15. SPIRE PERSONNEL SHOULD FOLLOW STANDARD PRECAUTIONS REGARDING THE POTENTIAL FOR DRIP OIL TO BE PRESENT IN ACTIVE GAS MAINS AND ADHERE TO APPROVED PROCEDURES FOR MANAGEMENT/DISPOSAL OF ANY PIECES OF PIPE GENERATED IN THE COURSE OF ABANDONMENT. ANY DOCUMENTED DRIPS SHOULD BE CLEARED AND DRAINED BEFORE ABANDONMENT.

ABANDONED PIPE SYSTEM
PRESSURE SYS - C-001
MOP - 12 psi
MAOP - 12 psi

PROPOSED PIPE SYSTEM
PRESSURE SYS - C-002
MOP - 50 psi
MAOP - 58 psi
DESIGNED MAOP - 58 psi
TEST PRESSURE - 100 psi

ENVIRONMENTAL:
• THERE ARE NO ENVIRONMENTAL CONCERNS WITH THIS WORK ORDER

CONSTRUCTION ENGINEERING:
• CREW SHOULD CHECK ALL SERVICE REGULATORS TO MAKE SURE THEY HAVE THE CORRECT ORIFICE SIZE BASED ON PRESSURE AND LOAD
• GAS INTERRUPTION PROCEDURE REQUIRED. CONTACT CONSTRUCTION ENGINEERING THREE WEEKS PRIOR TO ANY MAIN UPRATE/CONVERSION/ABANDONMENT

PIPELINE SAFETY AND COMPLIANCE/ CP:
• EXISTING PLASTIC MAIN IS TO BE CONVERTED TO INTERMEDIATE PRESSURE USING THE ATTACHED CONVERSION VERIFICATION PROCEDURE. COMPLETED CONVERSION DOCUMENTATION IS TO BE RETURNED TO CLERICAL STAFF
• EXISTING STEEL MAIN IS TO BE INCREMENTALLY UPRATED TO INTERMEDIATE PRESSURE. MAINS TO BE PRESSURE TESTED PER UPRATE SOP. COMPLETED PRESSURE TEST RECORDS ARE TO BE RETURNED TO CLERICAL STAFF

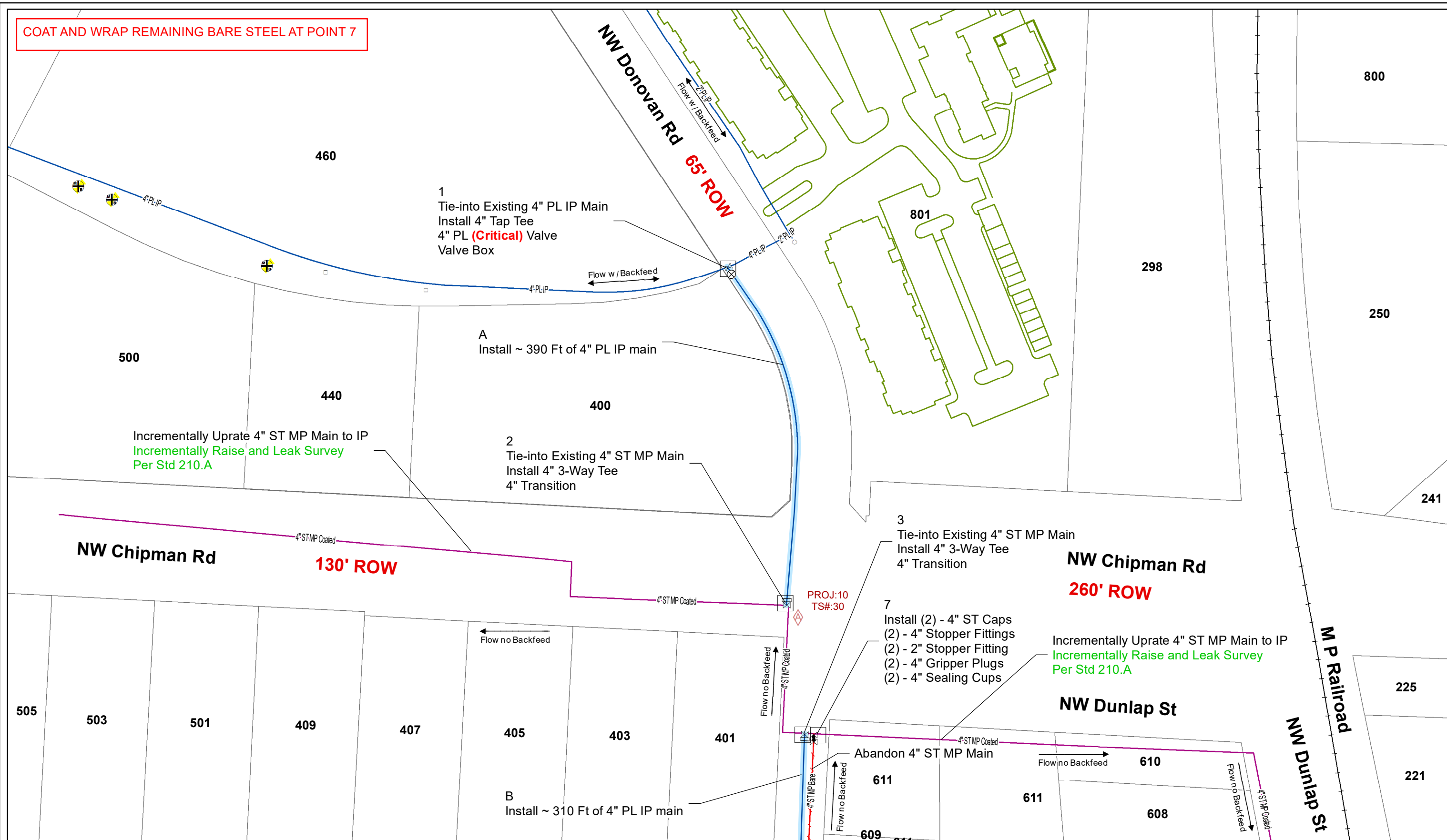
FOR QUESTIONS ABOUT THIS DESIGN OR TO REQUEST A SCOPE OF WORK CHANGE PLEASE CONTACT MICHAEL CHRISTOPHER AT 314-760-7378 OR HENRY WECK AT 314-313-9423

Main & Service	Gas Valve	Take Point	Electronic Marker	End Cap	Vertical Ell	Street Car Tracks
Existing	Ball	Drip	Service Tee	Flange	Bend	RCP Reinforced Concrete Pipe
Install	Butterfly	Test Station	Stopper / Bottom Outlet	Insulated Flange	Exposed Pipe	CMP Corrugated Metal Pipe
Proposed	Gate	Regulator Station	Coupling	Cross	Rectifier	Contamination
Abandon	Plug	Meter Setting	Insulated Coupling	Reducer	Rectifier Cable	DNR Tanks
Gas Pipe Casing	Blow Down	Marker Post	Trace Wire Box	Tee	SteamLines	DNR Remediation

Check for
Work Order Authorization

Designer :	Revision Date(s):
IRB	
Original Date:	
9/29/2022	

COAT AND WRAP REMAINING BARE STEEL AT POINT 7



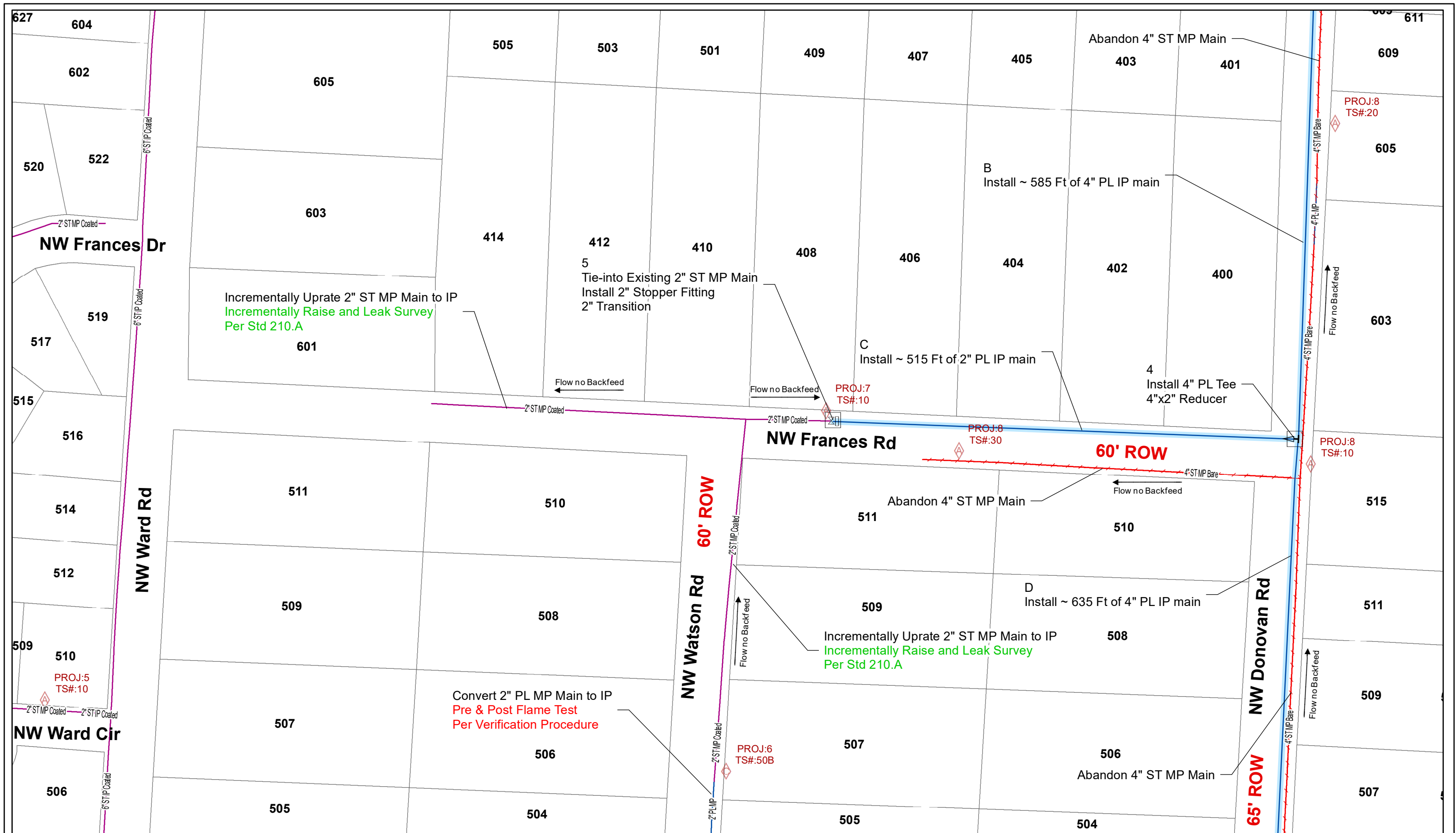
Job Description: Peggy & Mclendon Isolated Bare Steel
Phase A

0 100 200 400 Feet
1 inch = 100 feet

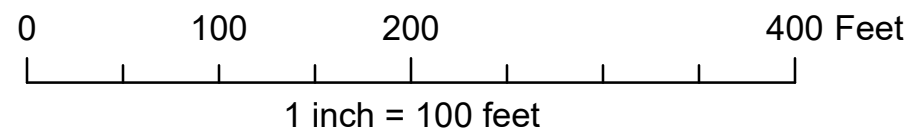
Maximo Work Order: 22199672
Project #: 805124



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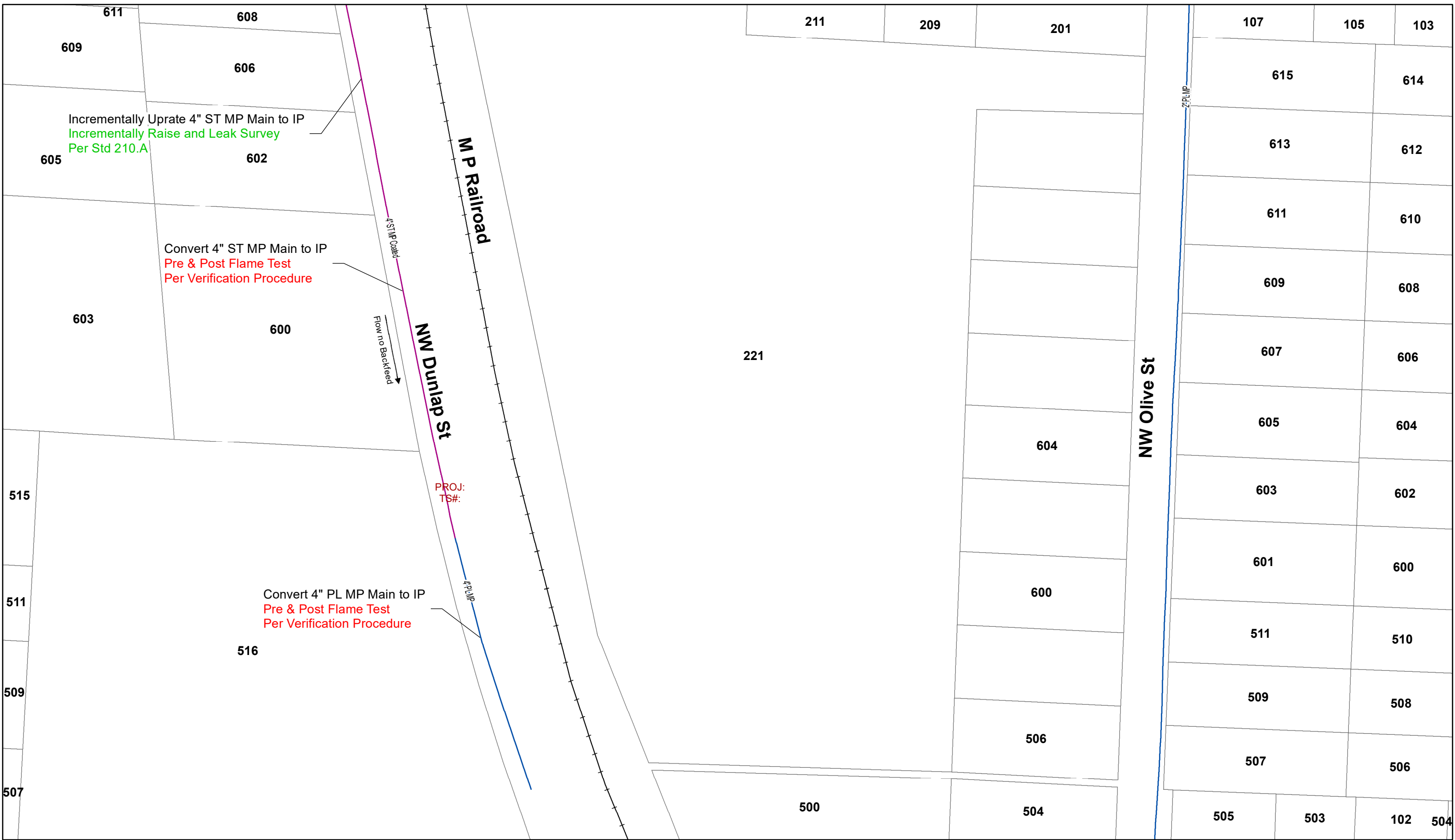


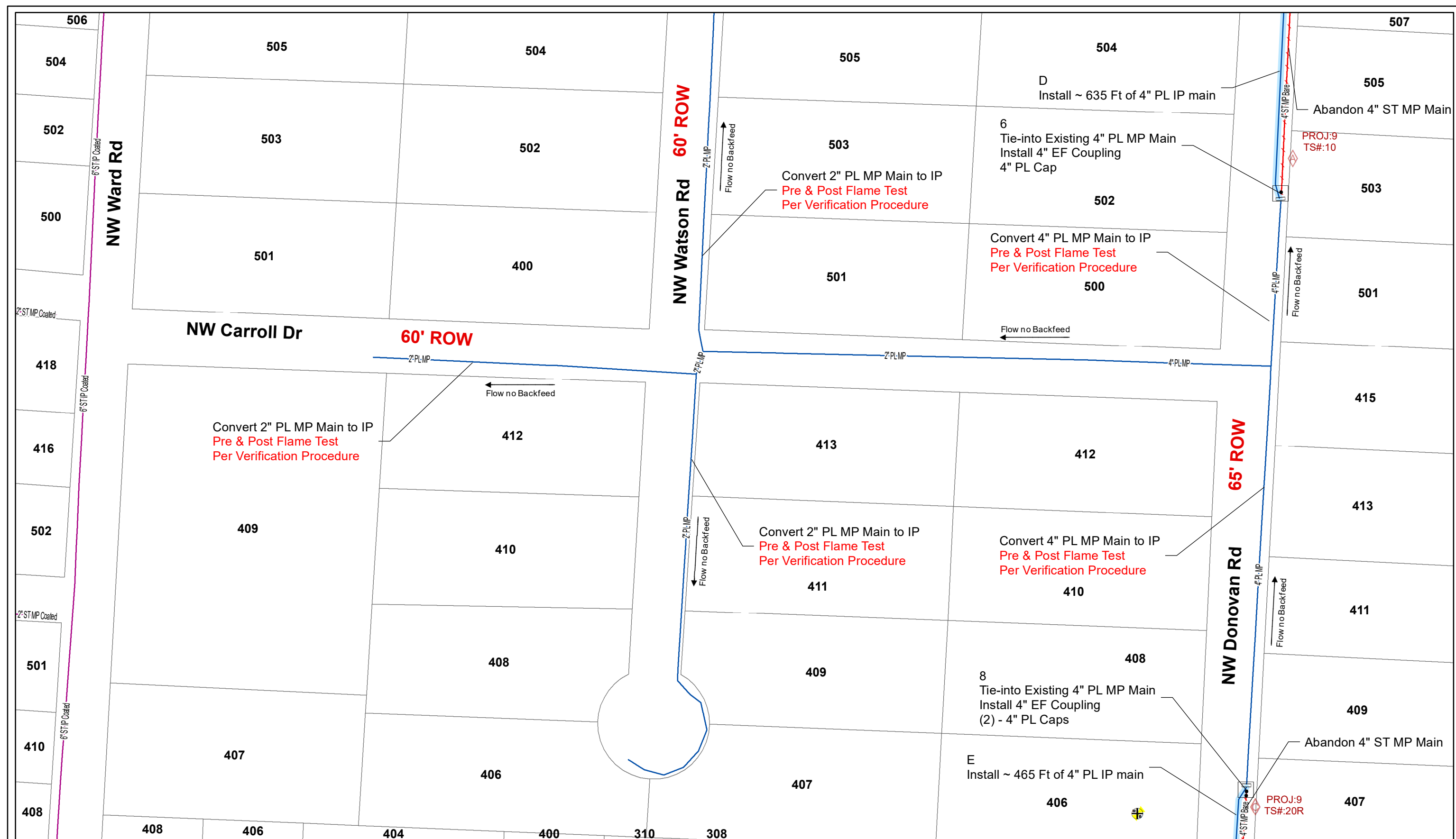
Job Description: Peggy & Mclendon Isolated Bare Steel Phase A



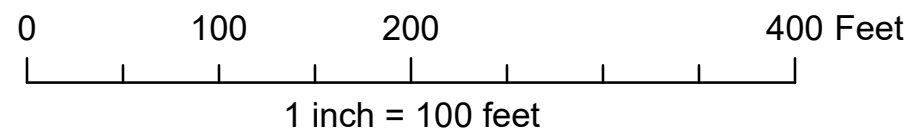
Maximo Work Order: 22199672
Project #: 805124







Job Description: Peggy & Mclendon Isolated Bare Steel Phase A



Maximo Work Order: 22199672
Project #: 805124





Sector: 0802

Project #: 805124



Job Description: Peggy & Mclendon Isolated Bare Steel
Phase A
Maximo Work Order: 22199672
Region: South
TownCode: 09

Sector: 0802

Project #: 805124



Incremental Uprate Sheet Exhibit A

PRESSURE TEST OF GAS MAINS (One Test Per Sheet)

THE AREA TO BE LEAK TESTED AS PART OF THE INCREMENTAL UPRATE PROCEDURE IS HIGHLIGHTED IN GREEN

Pipe Size: _____ Length (ft): _____

Pipe Size: _____ Length (ft): _____

Pipe Size: _____ Length (ft): _____

Pressure System: TF \ SF \ FP \ HP \ IP \ MP \ LP

Test Medium: Water \ Air \ Gas Other: _____

Gauge Type:	Recording	Indicating	Dead Weight
-------------	-----------	------------	-------------

Gauge I.D. : _____

Calib. Date : _____

Test Date: _____

Start Time: _____ End Time: _____

Start Press.: _____ End Press. : _____

Start Temp.*: _____ End Temp.*: _____

* Water or Pipe temperature, not ambient

If Discharge volume is over 1,000 gallons - Contact Lab for sample collection.

Note all leaks or failures, including cause, and corrective action taken in comments below.

**PIPE BEING UPDATED WILL REQUIRE LEAK SURVEYS
PER INCREMENTAL UPDATE PROCEDURE
ATTACHED IN MAXIMO. SEE STD. 210.A FOR UPDATE
REQUIREMENTS. LEAK SURVEY PER STD 230.D.**

**FOR ANY QUESTIONS REGARDING THE
STANDARD, PLEASE CONTACT PIPELINE SAFETY AND
COMPLIANCE AT 314-349-2932 OR 314-342-3323**

Crew Foreman: _____ Date: _____

Inspector: _____ Date: _____

Supervisor.: _____ Date: _____

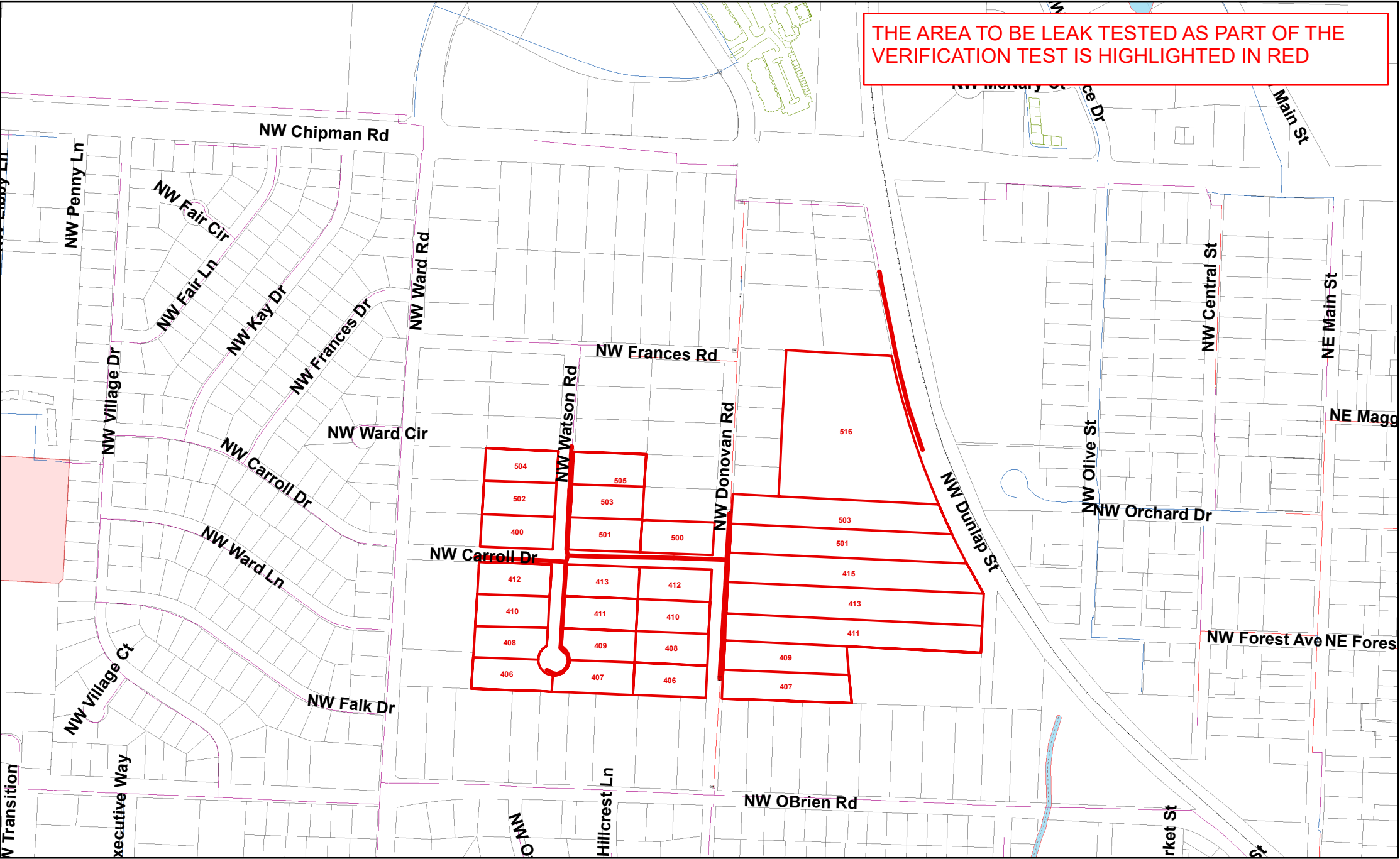
Comments: _____

Page : _____ Of: _____



Verification Test Sheet Exhibit B

THE AREA TO BE LEAK TESTED AS PART OF THE VERIFICATION TEST IS HIGHLIGHTED IN RED



Comments: _____

PRESSURE TEST OF GAS MAINS
(One Test Per Sheet)

Pipe Size: _____ Length (ft): _____

Pipe Size: _____ Length (ft): _____

Pipe Size: _____ Length (ft): _____

Pressure System: TF \ SF \ FP \ HP \ IP \ MP \ LP

Test Medium: Water \ Air \ Gas Other: _____

Gauge Type: Recording Indicating Dead Weight

Gauge I.D. : _____

Calib. Date : _____

Test Date: _____

Start Time: _____ End Time: _____

Start Press.: _____ End Press. : _____

Start Temp.*: _____ End Temp.*: _____

If Discharge volume is over 1,000 gallons - Contact Lab for sample collection.

Note all leaks or failures, including cause, and corrective action taken in comments below.

PIPE BEING CONVERTED WILL REQUIRE A PRE & POST LEAK SURVEY PER VERIFICATION PROCEDURE ATTACHED IN MAXIMO. LEAK SURVEY PER STD 230.D. FOR ANY QUESTIONS, PLEASE CONTACT PIPELINE SAFETY AND COMPLIANCE AT 816-266-3033 OR 314-342-3323

Crew Foreman: _____ Date: _____

Inspector: _____ Date: _____

Supervisor.: _____ Date: _____

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