



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

June 1, 2021

N.C. Division of Coastal Management
1638 Mail Service Center
Raleigh, NC 27699-1638

ATTN: Ms. Cathy Brittingham, NCDOT Coordinator

Subject: **Revised DCM Consistency Certification** for the proposed US 70 Havelock Bypass in Craven County. TIP No. R-1015. WBS 34360.1.2.

Dear Ms. Brittingham:

The purpose of this letter and information package is to provide information on modifications to our plans for the Havelock Bypass, now under construction. Piedmont Natural Gas (PNG) is preparing to work on a natural gas transmission pipeline due to the project, and some of this work will require impacts to wetlands. These changes may require a revision to the Division of Coastal Management's CAMA Consistency Determination for the project. This package includes supplemental information in this letter, revised permit drawings and a revised Division of Mitigation Services acceptance letter.

Description and Purpose:

PNG has an existing 8" gas transmission pipeline located within the limits of the NCDOT right-of-way (ROW) along the US 70 highway corridor. Construction of the Havelock Bypass has created a number of drainage and grading conflicts with this pipeline. PNG proposes to replace the pipe in some locations and install new pipe in others, with work at both ends of the project near and along existing US 70. Station numbers for these locations are in the attached utility narrative.

Adjusting the pipeline near the planned Havelock Bypass north interchange connection to US 70 proved to be especially problematic, as they need to install about 4,560 LF of 8" steel pipe. In short, there is not adequate space inside the existing NCDOT ROW to install this amount of pipe given the density of other utilities already in the ROW. There would be constructability issues given the possible conflict with other utilities, and the impacts construction would have on US 70 traffic.

PNG decided to solve those conflicts by obtaining a private easement in which to relocate their gas line. The proposed alignment places the gas line right of way further off the US 70 corridor on the north end. This route was chosen as the density of existing residential and commercial properties along the US 70 service road provided no room where a 50-footwide private easement could be secured along the road frontage. The route does join back up with the service corridor on the south end of this off DOT ROW route and runs parallel with the road ROW for about 1,100 LF before it ties back into the existing gas line. It was routed across the rear of affected parcels and turned to route back towards the service road as

quickly as possible as the re-route progresses south to further reduce the impact to environmentally sensitive areas.

Jurisdictional Impacts:

Pipeline excavation will impact 0.67 acre of wetlands. Excavated material will be temporarily placed on fabric, resulting in 1.0 acre of temporary fill in wetlands. There will be 0.27 acre of hand clearing needed in wetlands, but no impacts to streams or buffers. A set of permit drawings is attached that depicts these impacts.

Compensatory mitigation for the proposed additional 0.67 acre of wetland impacts has been obtained from the N.C. Division of Mitigation Services. See attached updated mitigation acceptance letter.

Federally protected species:

PNG conducted a review of federally protected species in the project vicinity. Their analysis resulted in biological conclusions of "No Effect" for all identified species except the northern long-eared bat (NLEB). More information on this analysis is available on request.

The US Fish and Wildlife Service has revised the previous programmatic biological opinion (PBO) in conjunction with the Federal Highway Administration (FHWA), the US Army Corps of Engineers (USACE), and NCDOT for the NLEB (*Myotis septentrionalis*) in eastern North Carolina. The PBO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. Although this programmatic covers Divisions 1-8, NLEBs are currently only known in 19 counties, but may potentially occur in 11 additional counties within Divisions 1-8. NCDOT, FHWA, and USACE have agreed to two conservation measures which will avoid/minimize mortality of NLEBs. These conservation measures only apply to the 30 current known/potential counties shown on Figure 2 of the PBO at this time. The programmatic determination for NLEB for the NCDOT program is May Affect, Likely to Adversely Affect. The PBO will ensure compliance with Section 7 of the Endangered Species Act for ten years (effective through December 31, 2030) for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Craven County, where R-1015 is located.

Cultural Resources:

PNG coordinated with the State Historic Preservation Office regarding this proposed work. SHPO responded by letter dated January 15, 2021 and stated that after a review of the project, they were not aware of any historic resources which would be affected by the project, and therefore, had no comment on the project as proposed.

Considering these changes, NCDOT believes the project still complies with the enforceable policies of North Carolina's approved management program and will be conducted in a manner consistent with the Coastal Area Management Act. A copy of this request and its distribution list will be posted on the NCDOT website at: <https://xfer.services.ncdot.gov/pdea/PermApps/>

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH, NC 27699-1598

Telephone: (919) 707-6000
Fax: (919) 250-4224
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1000 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

If you have any questions or need additional information, please contact Gordon Cashin at (919) 749-0442 or gcashin@ncdot.gov.

Sincerely,

DocuSigned by:

Mack C. Rivenbark III

AAAD1248B309416...

for Philip S. Harris III, P.E., C.P.M., Unit Head
Environment Analysis Unit

cc: Mr. Stephen Lane, NCDCM
NCDOT Permit Application Standard Distribution List

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1000 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

ROY COOPER
Governor

DIONNE DELLI-GATTI
Secretary

TIM BAUMGARTNER
Director



May 25, 2021

Mr. Philip S. Harris, P.E., CPM
Environmental Analysis Unit
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: DMS Mitigation Acceptance Letter:

R-1015, US 70 – Havelock Bypass from North of Pine Grove to North of the Carteret County Line, Craven County

References: USACE 404 Individual Permit issued April 18, 2019 and permit modification issued May 11, 2020 (USACE Action ID 1993-02466)

NCDWR 401 Water Quality Certification issued April 3, 2019, correction letter dated November 25, 2019 and permit modification issued on May 1, 2020 (NCDWR ID 2018-1598)

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the additional compensatory wetland mitigation for the subject project. Based on the information supplied by you on May 21, 2021, the impacts are located in CU 03020204 of the Neuse River basin in the Southern Outer Coastal Plain (SOCP) Eco-Region, and are as follows:

Table 1 – Additional Impacts (feet / acres)

Neuse 03020204 SOCP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	0	0	0.670	0	0	0

*NOTE: Some of the stream impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

This additional impact and associated mitigation needs were not projected by the NCDOT in the 2021 impact data. DMS is currently providing stream, wetland, and buffer mitigation for the impacts associated with this project located in cataloging unit 03020204 of the Neuse River basin as required by the 404 and 401 permits issued in April 2019 and May 2020, as shown in the below table (in mitigation credits)



North Carolina Department of Environmental Quality | Division of Mitigation Services
217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652
919.707.8976

Mr. Harris
TIP R-1015
May 25, 2021
Page Two

Table 2 – Current Permitted Impacts and Associated Mitigation Requirements provided by DMS (based on issued permits) and Revised Anticipated Impacts (based on mitigation request)

Impact Type	Total Permitted Impacts (feet / acre / sq ft)	Mitigation Provided by DMS per Issued Permits (Credits)	Additional Impact (for approval)	Revised Total Impacts*
Stream (warm)	2,870.000	5,740.000	0.000	2,870.000
Riparian Wetland	15.820	31.640	0.000	15.820
Non-Riparian Wetland	97.780	195.560	0.670	98.450
Riparian Buffer	89,824.000	210,473.000	0.000	89,824.000

*Some of the additional stream impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details. DMS will provide the amount of mitigation as determined by the regulatory agencies.

DMS commits to implementing additional sufficient compensatory wetland mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-707-8420.

Sincerely,



James B. Stanfill
Asset Management Supervisor

cc: Mr. Monte Matthews, USACE – Raleigh Regulatory Field Office
Ms. Amy Chapman, Division of Water Resources, Wetlands/401 Unit
File: R-1015 Mod 2



R-1015 Craven/Carteret Counties EAU Narrative

May 10, 2021

By: Corey Bousquet (Hinde Engineering)

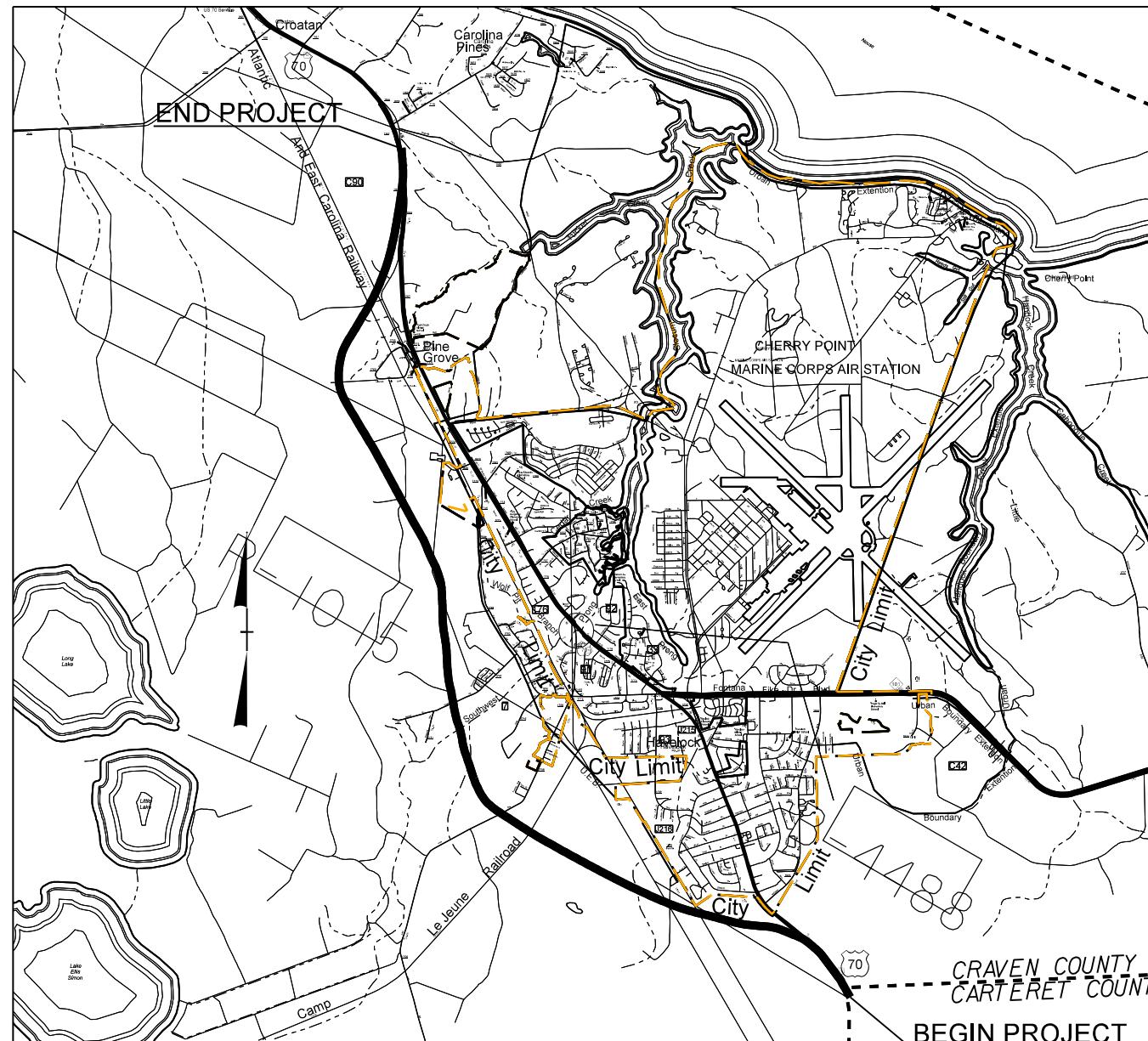
Gas (Piedmont Natural Gas)

Existing Gas Lines:

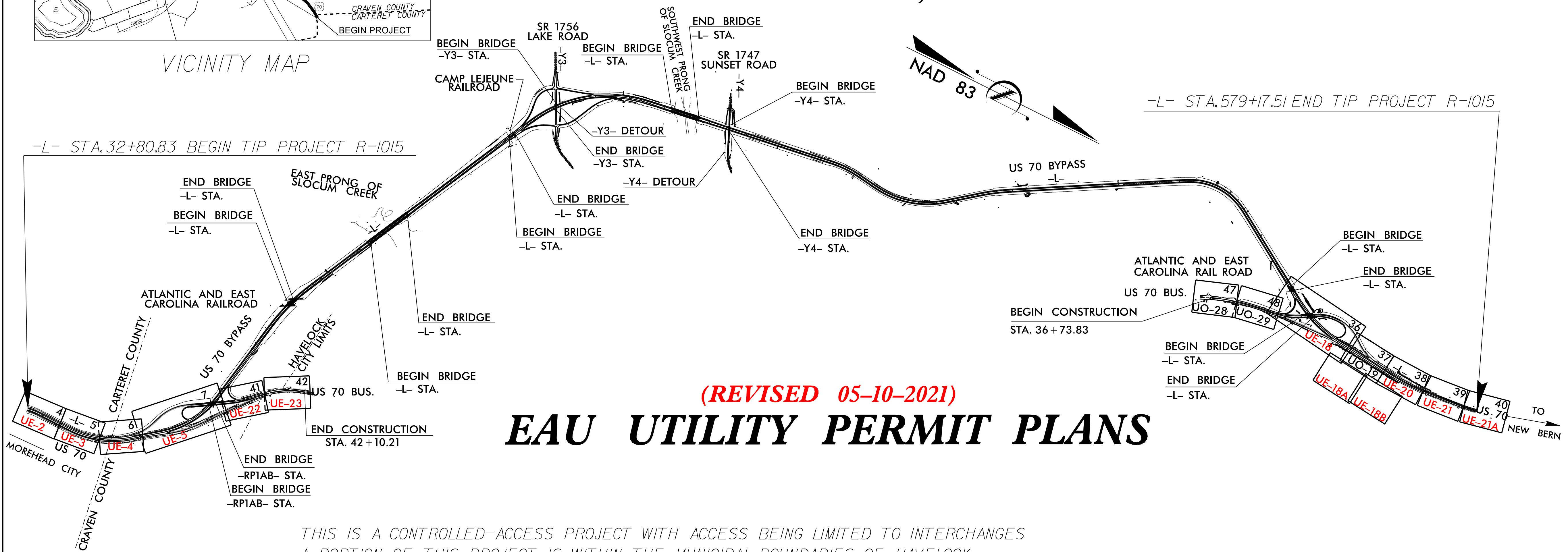
- PNG are replacing the existing 8" gas lines right of Line -L- at the following stations:
(Sta. 36+54 to Sta. 108+71), (Sta. 516+15 to Sta. 549+96),
(Sta. 563+11 to Sta. 568+33) and (Sta. 577+59 to Sta. 578+23)

Proposed Gas Lines:

- PNG are installing new 8" steel gas lines right of Line -L- at the following stations:
(Sta. 36+54 to Sta. 108+71), (Sta. 516+15 to Sta. 549+96), (Sta. 563+11 to Sta. 568+33)
and (Sta. 577+59 to Sta. 578+23).

TIP PROJECT: R-1015

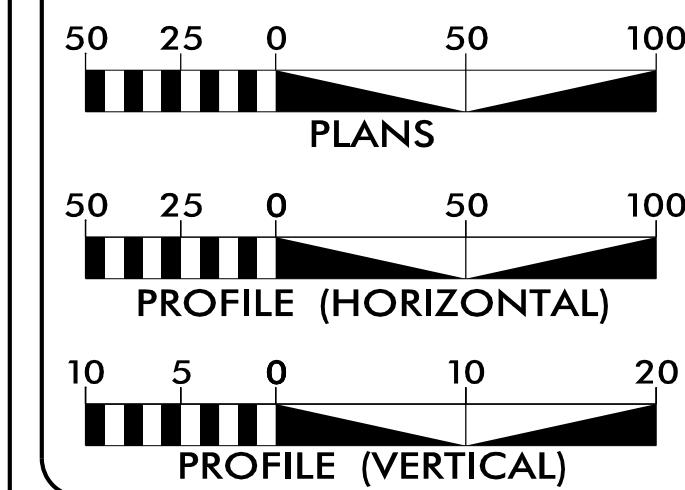
VICINITY MAP



THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF HAVELOCK.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD _____.

TIE ALL PUE LINES TO A NCDOT R/W
(EXISTING OR PROPOSED)

GRAPHIC SCALES**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
EU-1	TITLE SHEET
EU-2 THRU EU-5	EAU PLAN SHEETS
EU-18 THRU UE-18B	EAU PLAN SHEETS
EU-20 THRU UE-23	EAU PLAN SHEETS

UTILITY OWNERS WITH CONFLICTS

- (A) POWER - DUKE ENERGY (TRANS)
- (B) POWER - CITY OF NEW BERN
- (C) POWER - CARTERET-CRAVEN
- (D) POWER - DUKE ENERGY (DISTR)
- (E) TELECOM - CENTURYLINK
- (F) TELECOM - CHARTER/SPECTRUM COM
- (G) TELECOM - SPIRIT COM
- (H) TELECOM - MCNC
- (I) TELECOM - CITY OF NEW BERN
- (J) GAS - PIEDMONT NATURAL GAS

PREPARED IN THE OFFICE OF:



Michael E. Davis	UTILITY COORDINATION PROJECT MANAGER
Bill F. Black	PROJECT UTILITY COORDINATOR
James N. Arnold	PROJECT UTILITY DESIGNER

**DIVISION OF HIGHWAYS
UTILITIES UNIT**

1555 MAIL SERVICES CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-5690
FAX (919) 250-4151

Bo Hemphill, P.E.	UTILITIES REGIONAL ENGINEER
Kifah Kamil	UTILITIES ENGINEER
Ed Reams Jr.	UTILITIES AREA COORDINATOR
Larry James Jr.	UTILITIES COORDINATOR

UTILITIES BY OTHERS

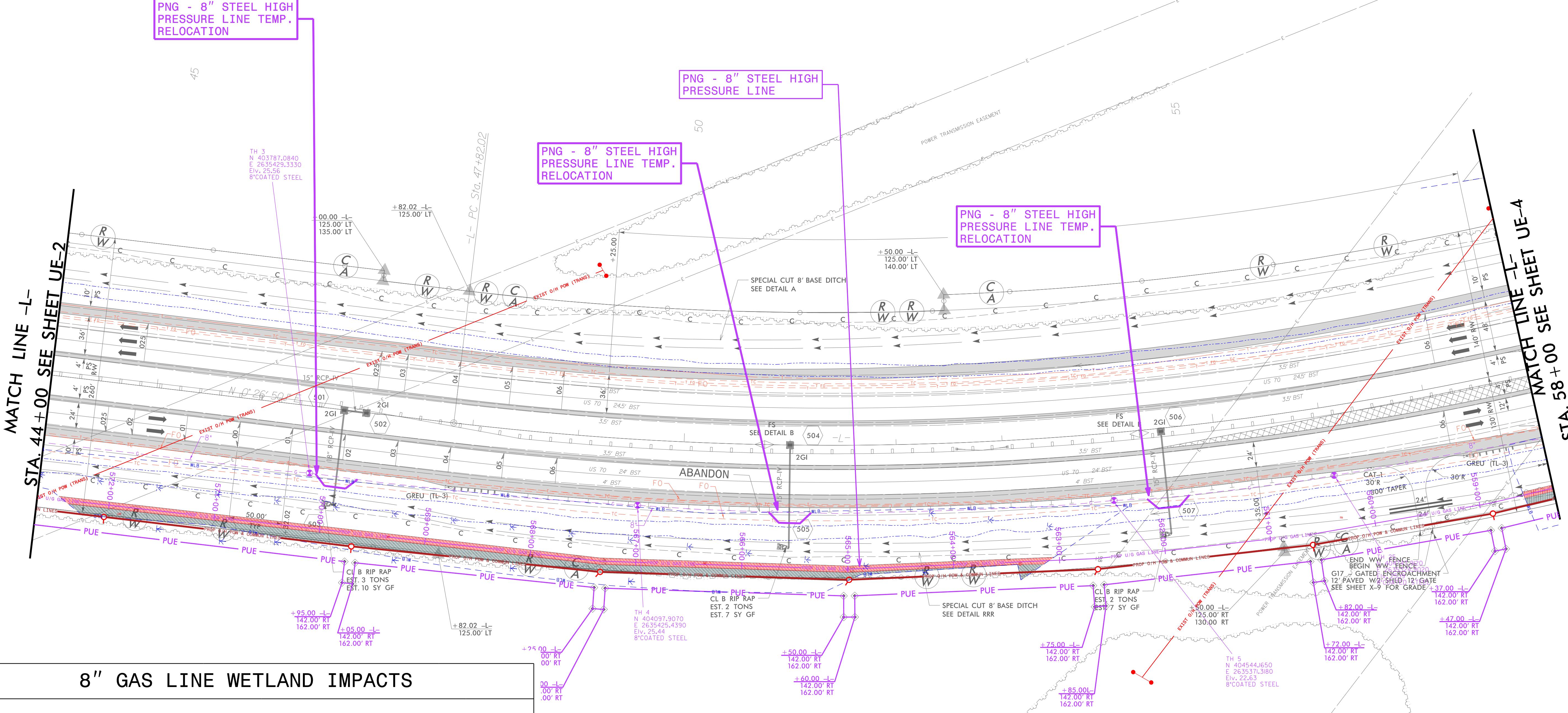
NOTE:
 ALL UTILITY WORK SHOWN ON THIS
 SHEET WILL BE DONE BY OTHERS.
 NO PAYMENT WILL BE MADE TO THE
 CONTRACTOR FOR UTILITY WORK
 SHOWN ON THIS SHEET.

-L-
 PI Sta 58+21.81
 $\Delta = 38^\circ 01' 15.2''$ (LT)
 $D = 1' 53" 54.5"$
 $L = 2,002.71'$
 $T = 1,039.80'$
 $R = 3,018.00'$
 $SE = 0.06$
 $RO = 300.00'$
 $DS = 65 mph$

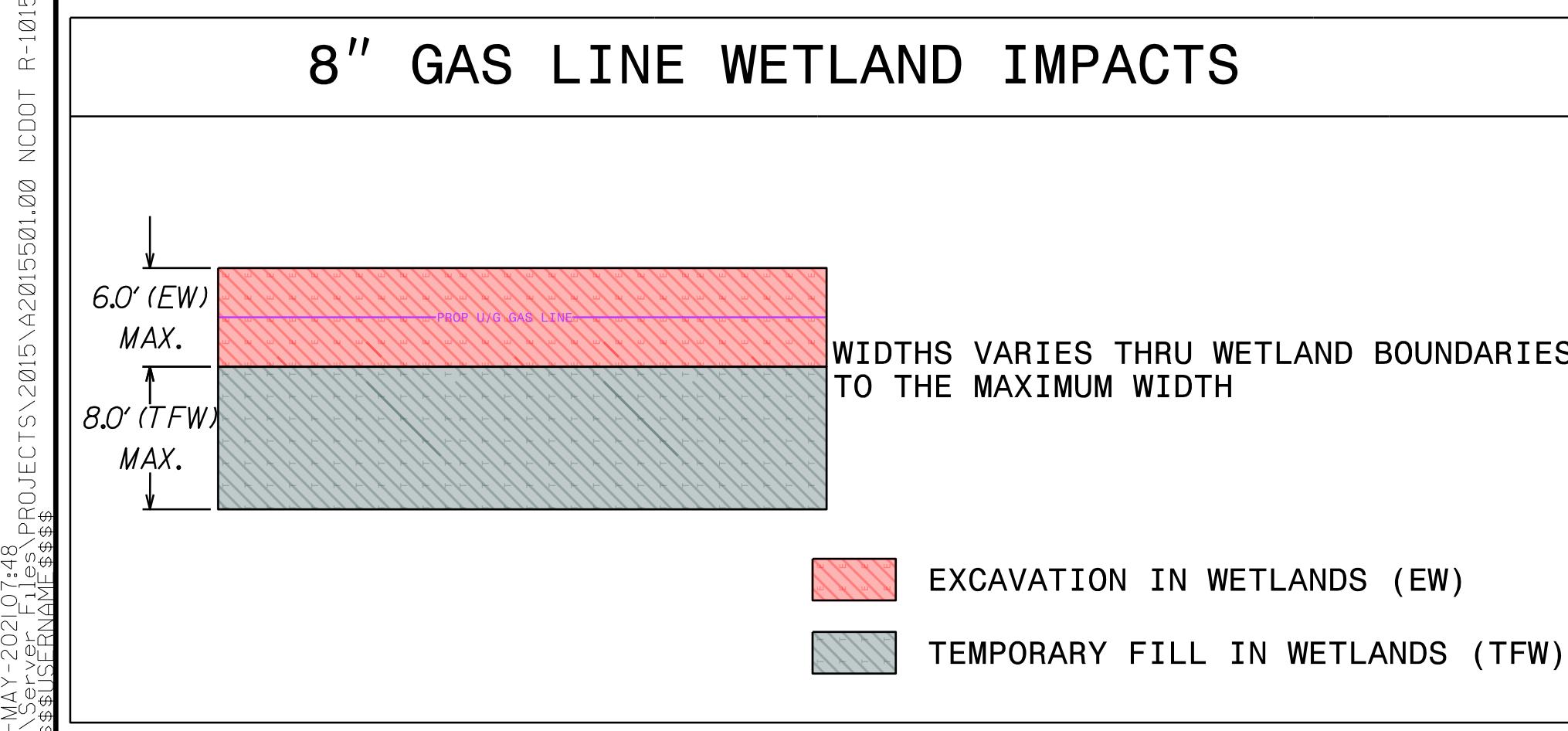
NAD 83

 DEPARTMENT OF AGRICULTURE
 CROATAN NATIONAL FOREST
 DB 336 - PG 9
 DB 336 - PG 72
 7375.2 AC (DEED)

1



8" GAS LINE WETLAND IMPACTS

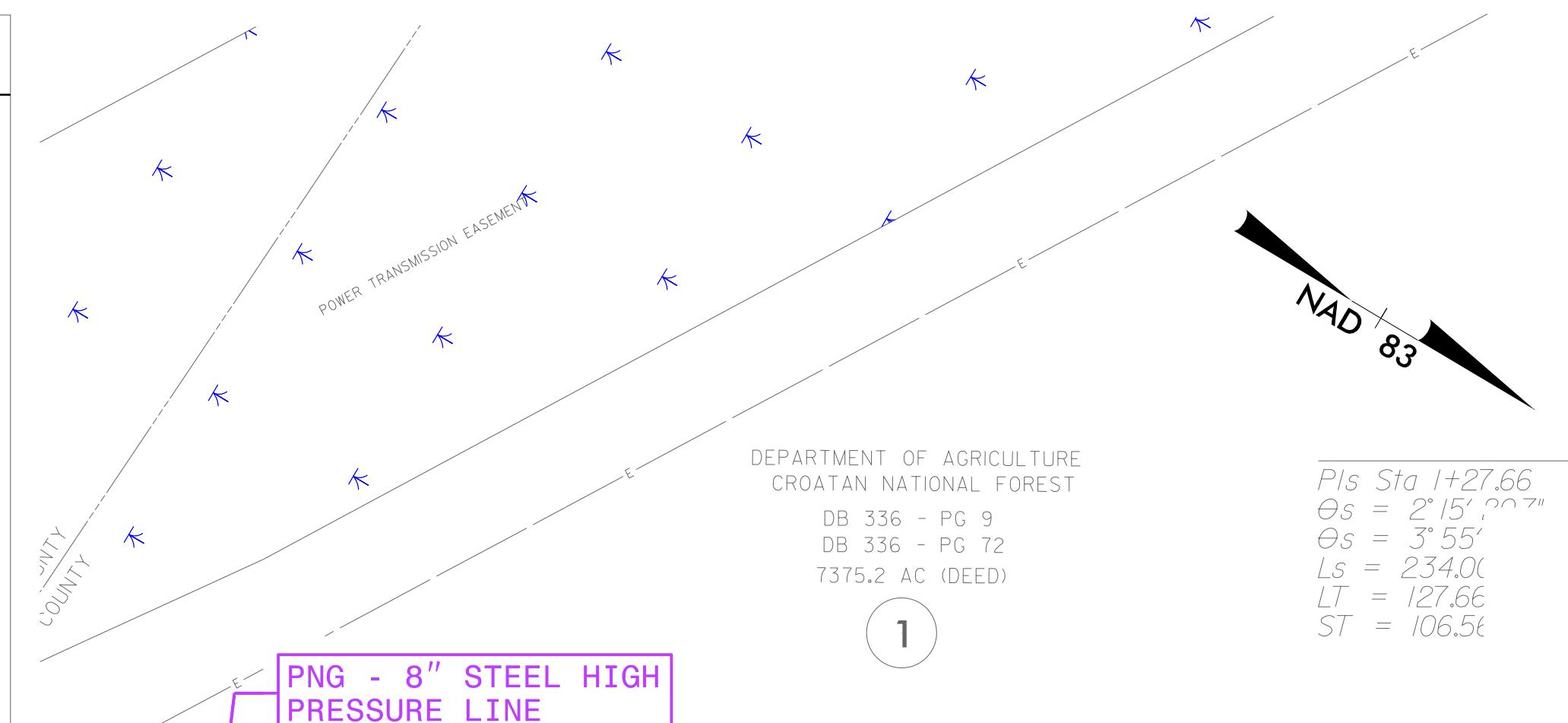
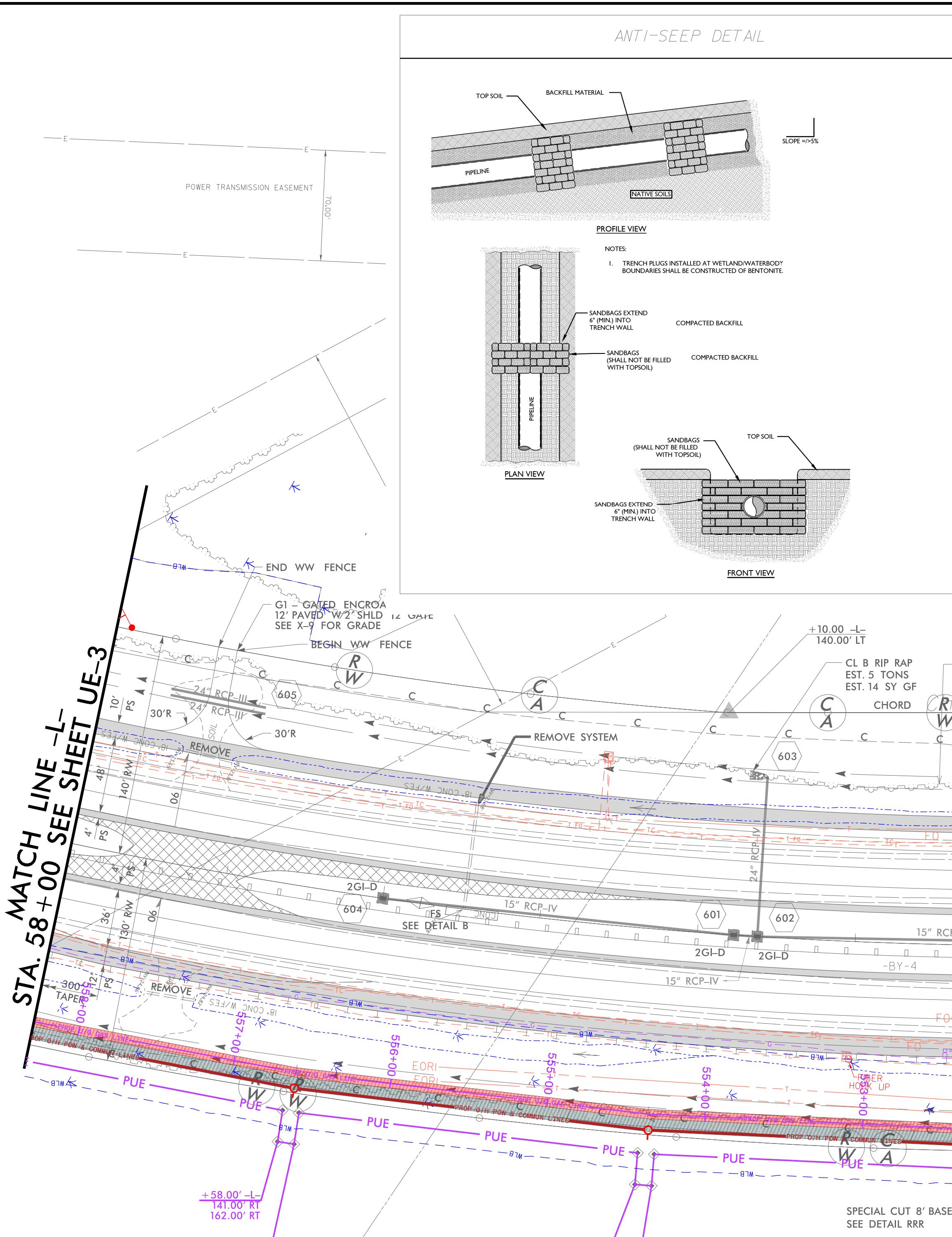

 DEPARTMENT OF AGRICULTURE
 CROATAN NATIONAL FOREST
 DB 336 - PG 9
 DB 336 - PG 72
 7375.2 AC (DEED)

1

SITE 1

UTILITIES BY OTHERS

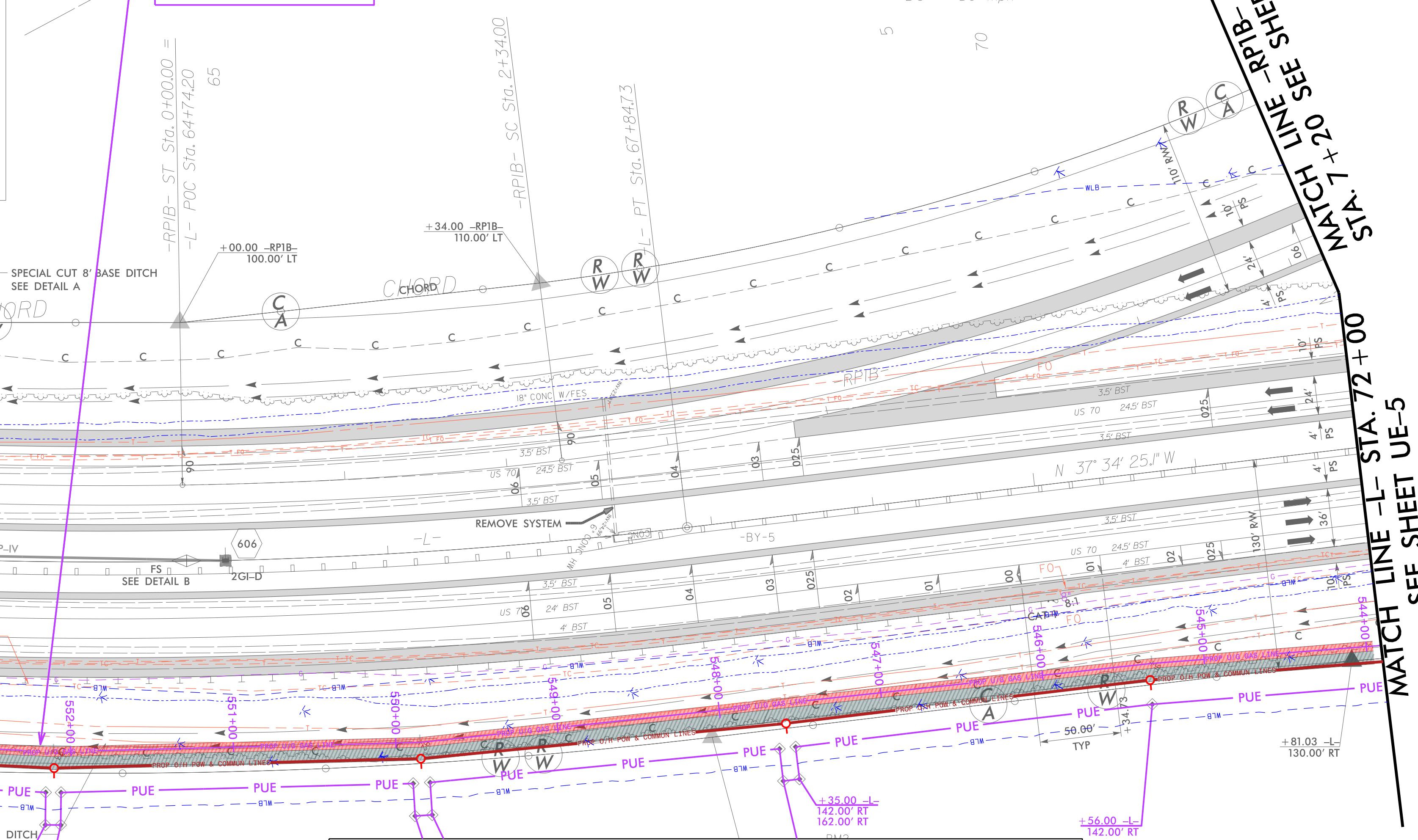
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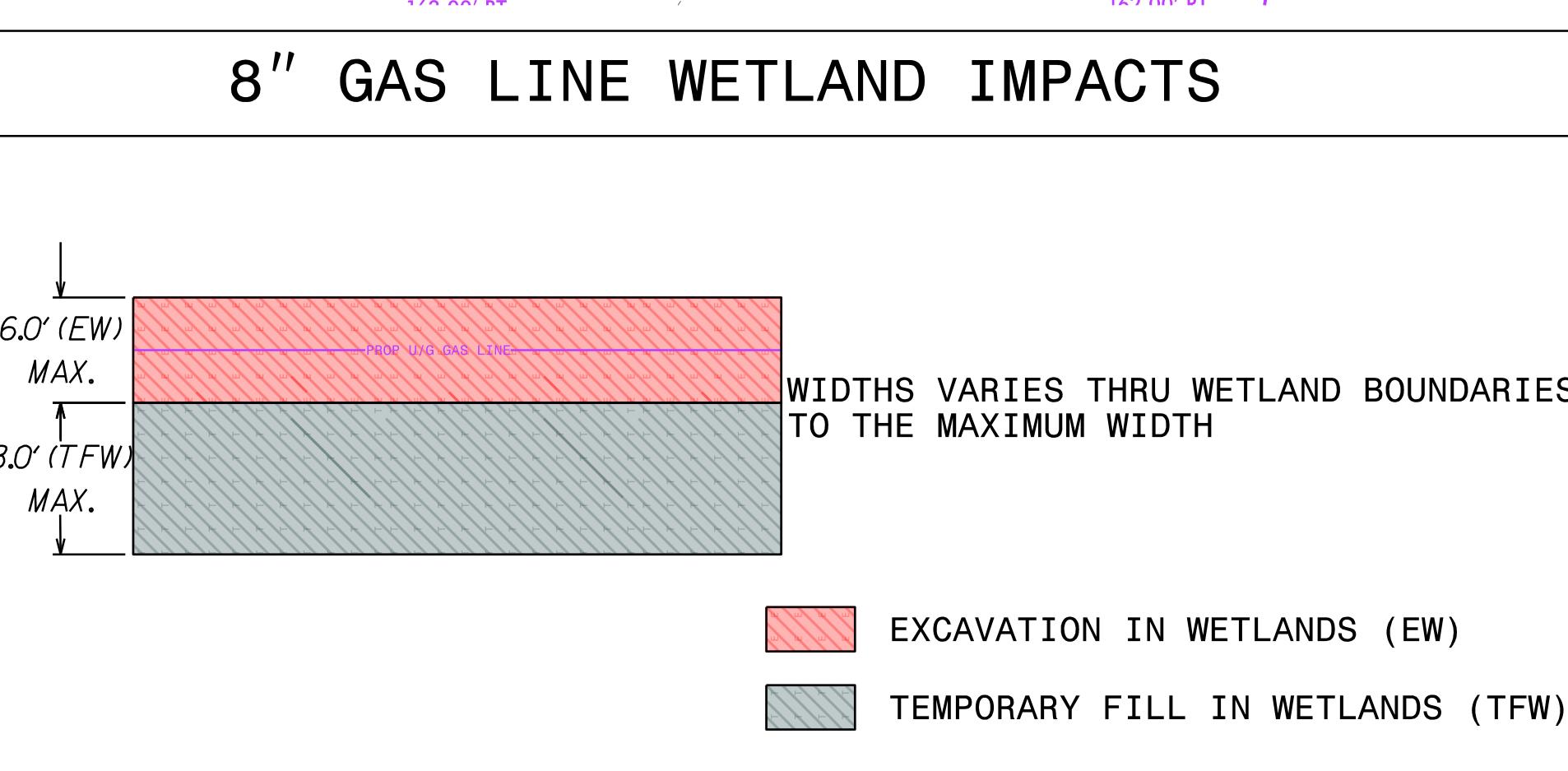
DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST
DB 336 - PG 9
DB 336 - PG 72
7375.2 AC (DEED)

Pls Sta 1+27.66
θs = 2°15' 00" LT
θs = 3°55'
Ls = 234.00
LT = 127.66
ST = 106.56

Pls Sta 6+71.71
Δ = 28°46' 49.2" (LT)
D = 3°21' 30.6"
L = 856.94'
T = 437.71'
R = 1706.00'
SE = 0.06
RO = 234.00'
DS = 50 mph

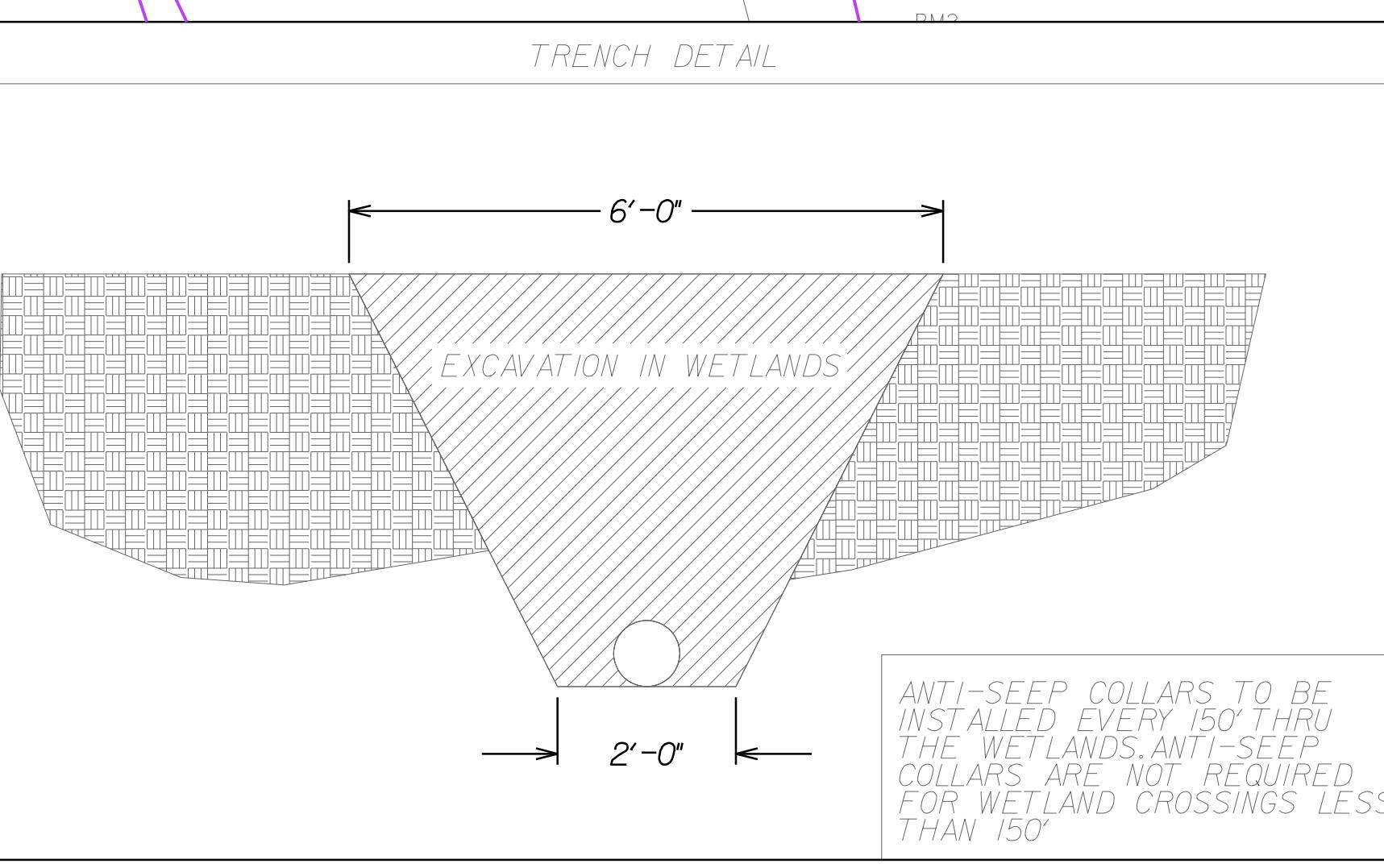


10-MAY-2021 07:48 PROJECTS\2015\A2015501\00 NC00T R-1015\Design\Utilities\Engineering\NEU\Permit Plans and Narrative\Plans and Narrative\Permit Plans and Narrative\Utilities\Engineering\NEU\Permit Plans and Narrative\Plans and Narrative\Surveyor Files\\$\\$\\$



SITE 2

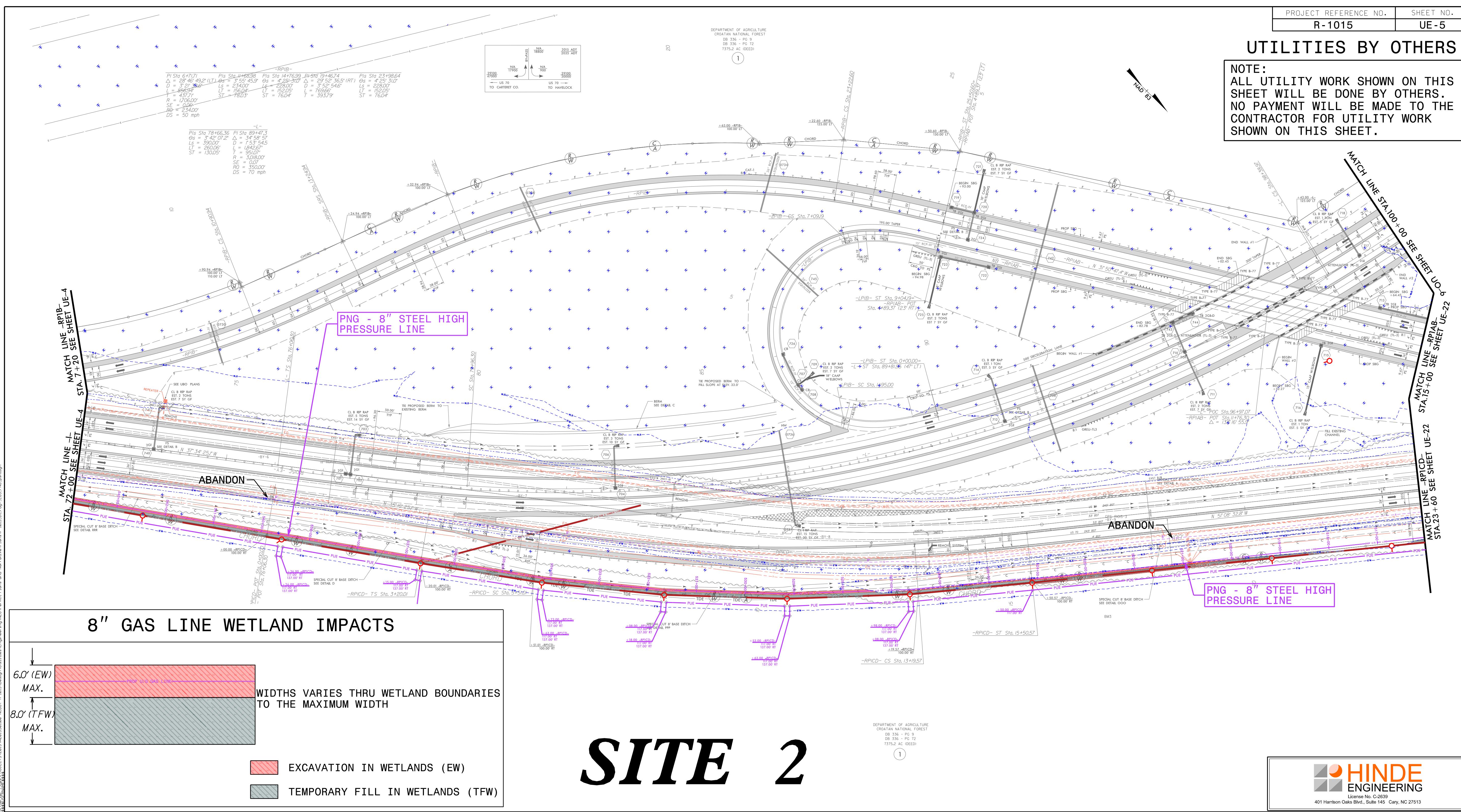
DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST
DB 336 - PG 9
DB 336 - PG 72
7375.2 AC (DEED)



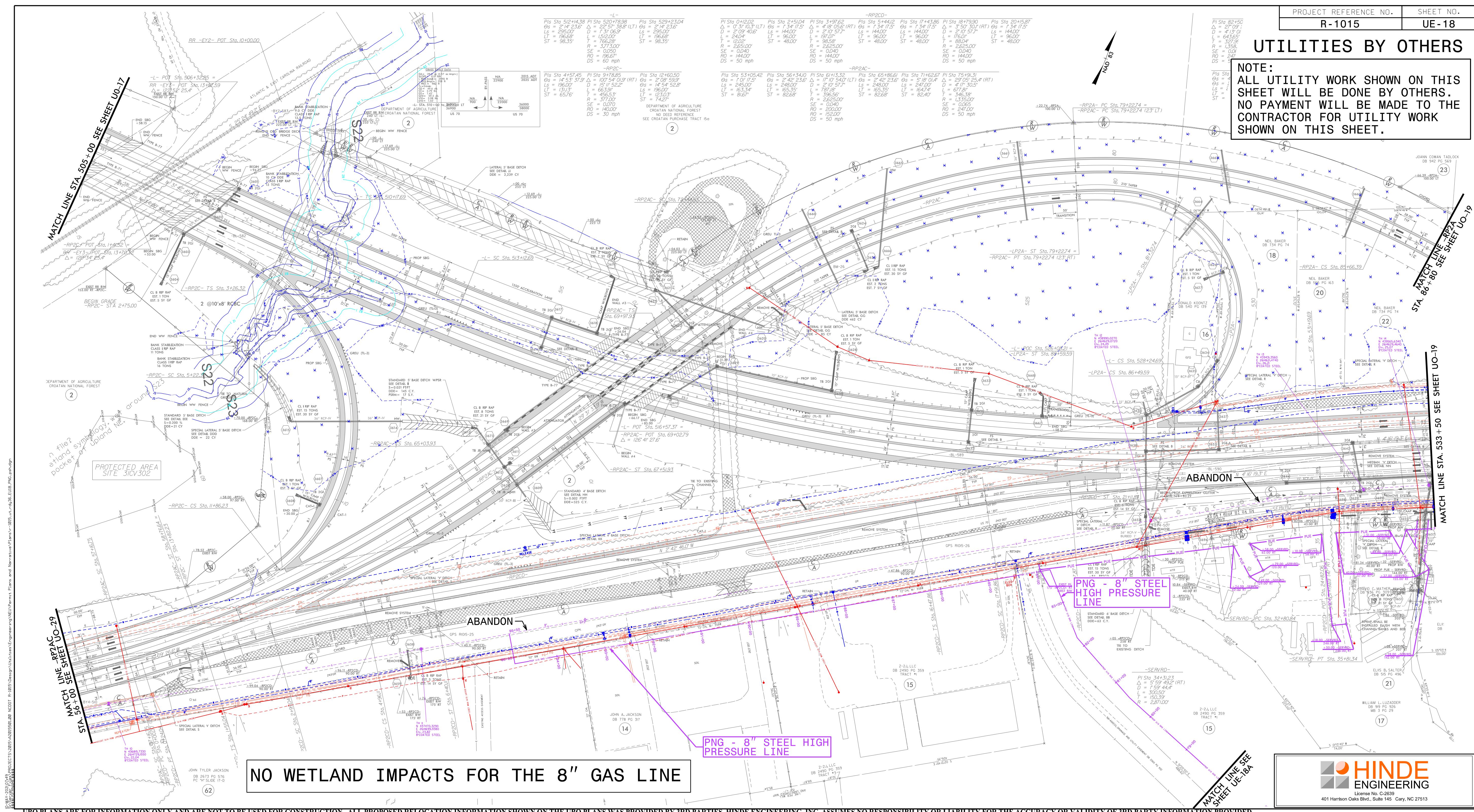
PROJECT REFERENCE NO. R-1015 SHEET NO. UE-5

UTILITIES BY OTHERS

NOTE:
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CONTRACTOR FOR UTILITY WORK
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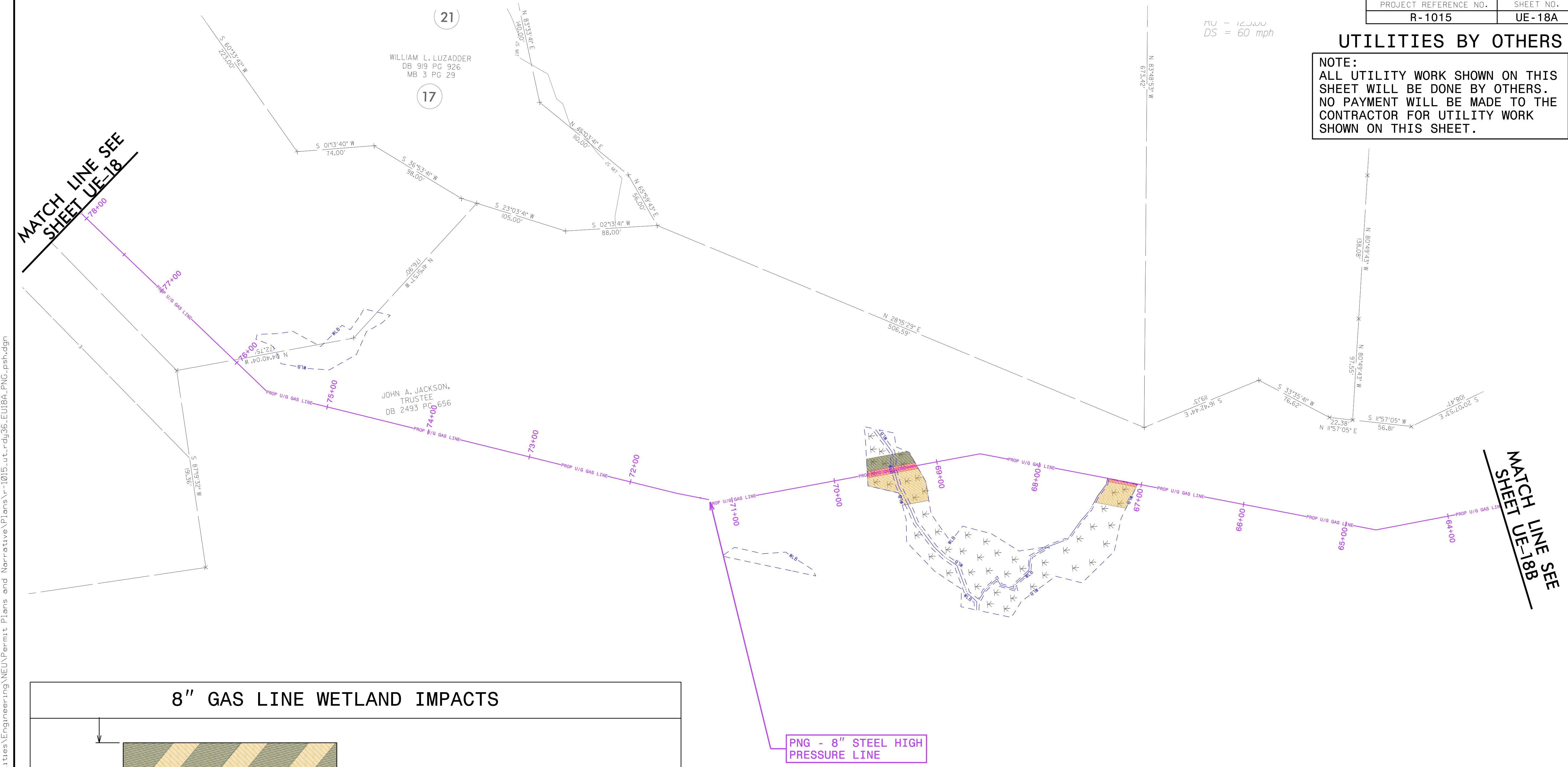
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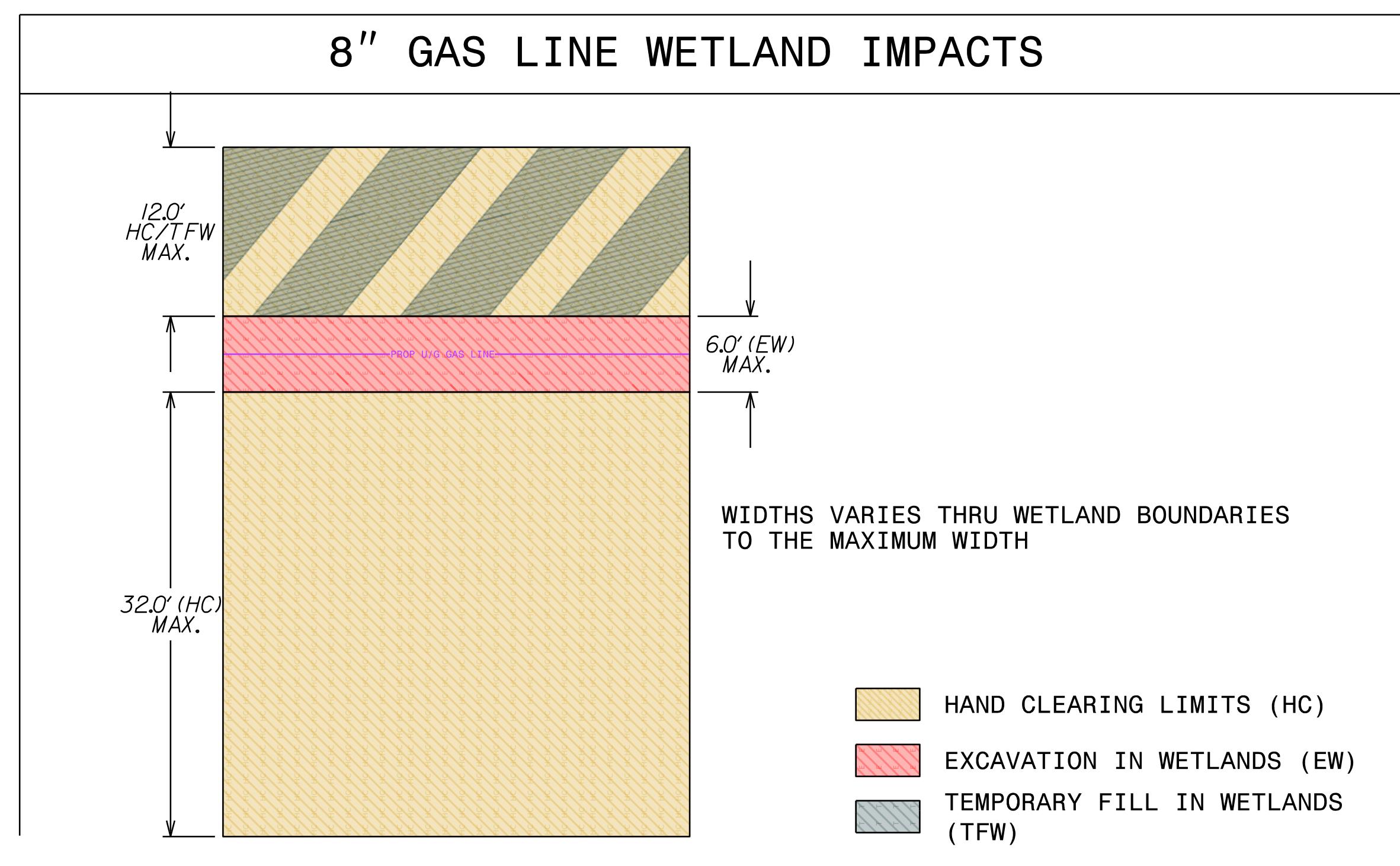
RU = 12000
DS = 60 mph

UTILITIES BY OTHERS

NOTE:
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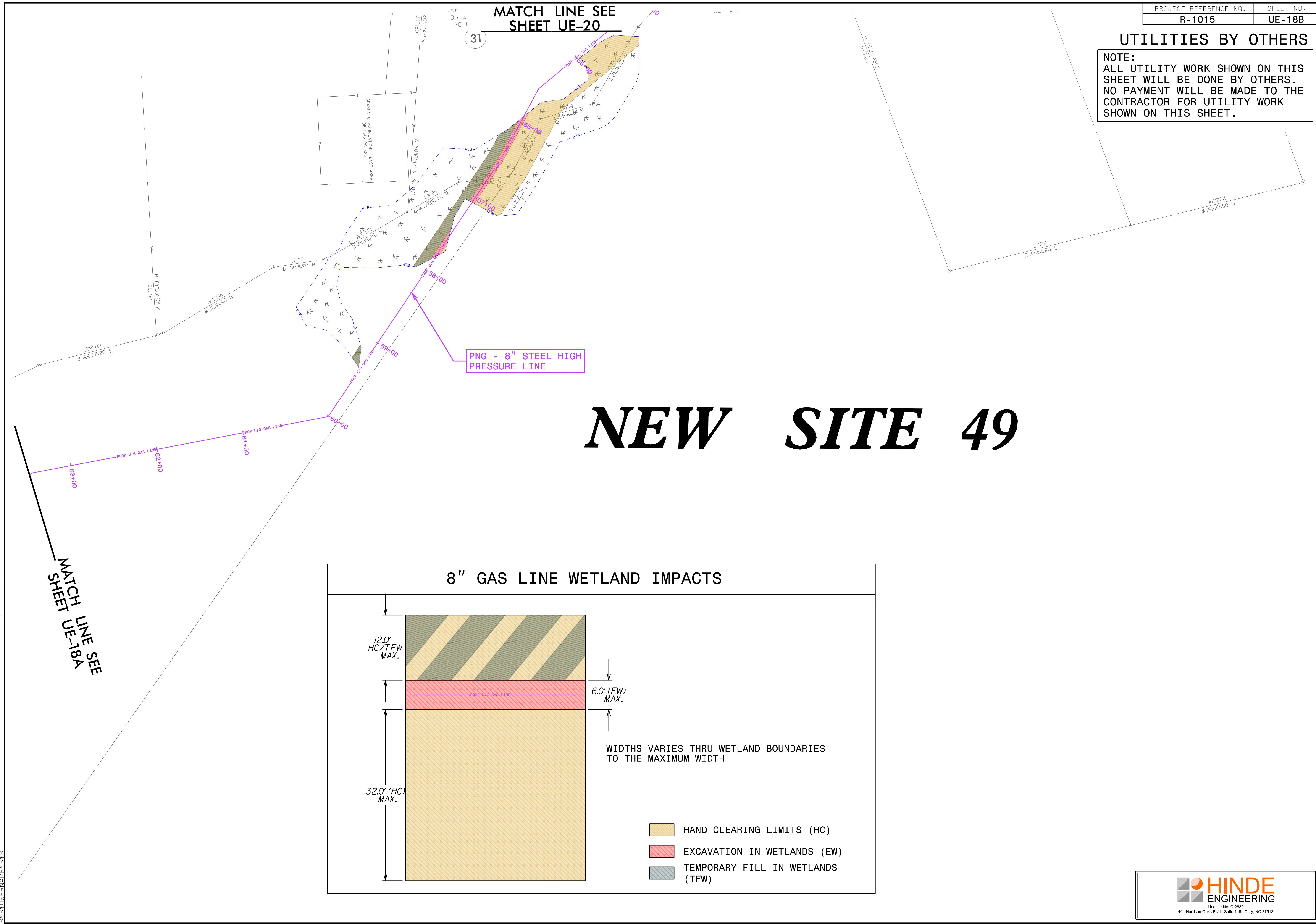


NEW SITE 48



UTILITIES BY OTHERS

NOTE:
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SHEET WILL BE DONE BY OTHERS.
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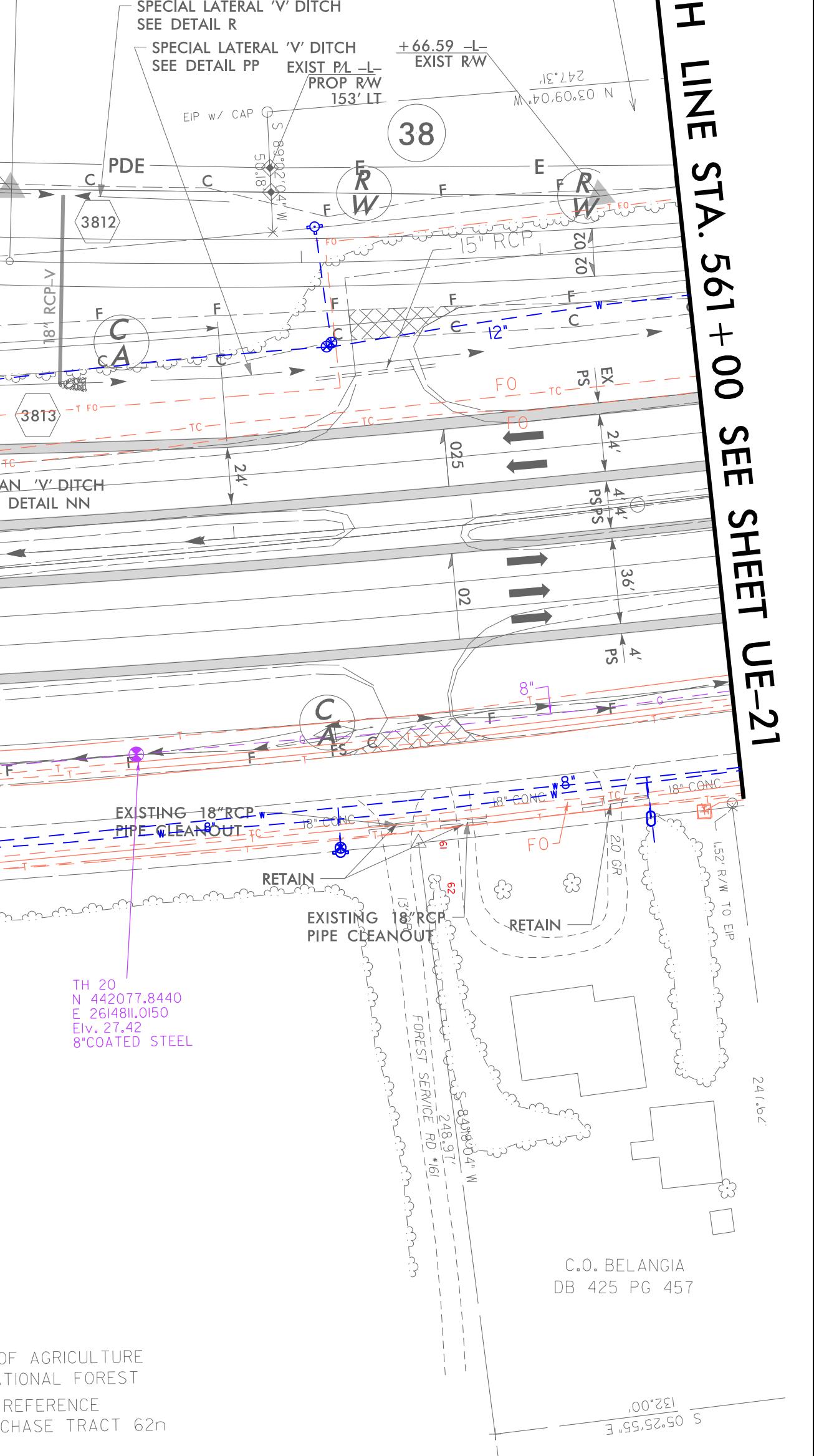
UTILITIES BY OTHERS

NOTE:
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-SERVEXT- POT Sta. 10+00.00

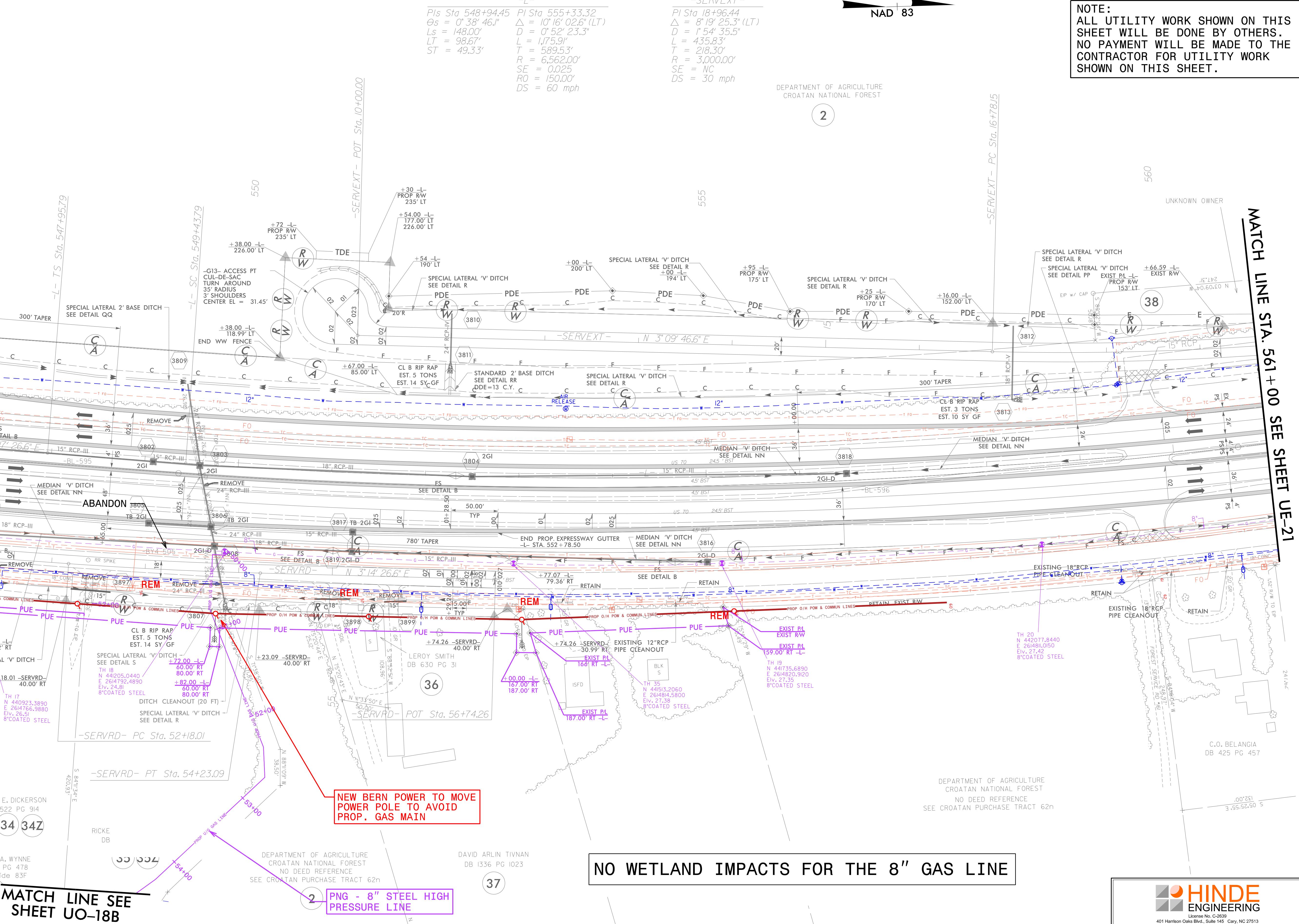
DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST
2

NAD 83



MATCH LINE STA. 547 + 00 SEE SHEET UE-19

I:\MAY-2021\0749\PROJECTS\2015\A2015501\00 NC00T R-1015\Design\Utilities\Engineering\NEU\Permit Plans and Narrative\Plans\ue-19.dwg



MATCH LINE SEE SHEET UO-18B

PNG - 8" STEEL HIGH PRESSURE LINE

NO WETLAND IMPACTS FOR THE 8" GAS LINE

DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST
NO DEED REFERENCE
SEE CROATAN PURCHASE TRACT 62n

DAVID ARLIN TIVNAN
DB 1336 PG 1023

37

DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST
NO DEED REFERENCE
SEE CROATAN PURCHASE TRACT 62n

RICKY E. DICKERSON
DB 1522 PG 914
34 34Z

JEFFREY A. WINNE
DB 2653 PG 478
PC H Slide 83F

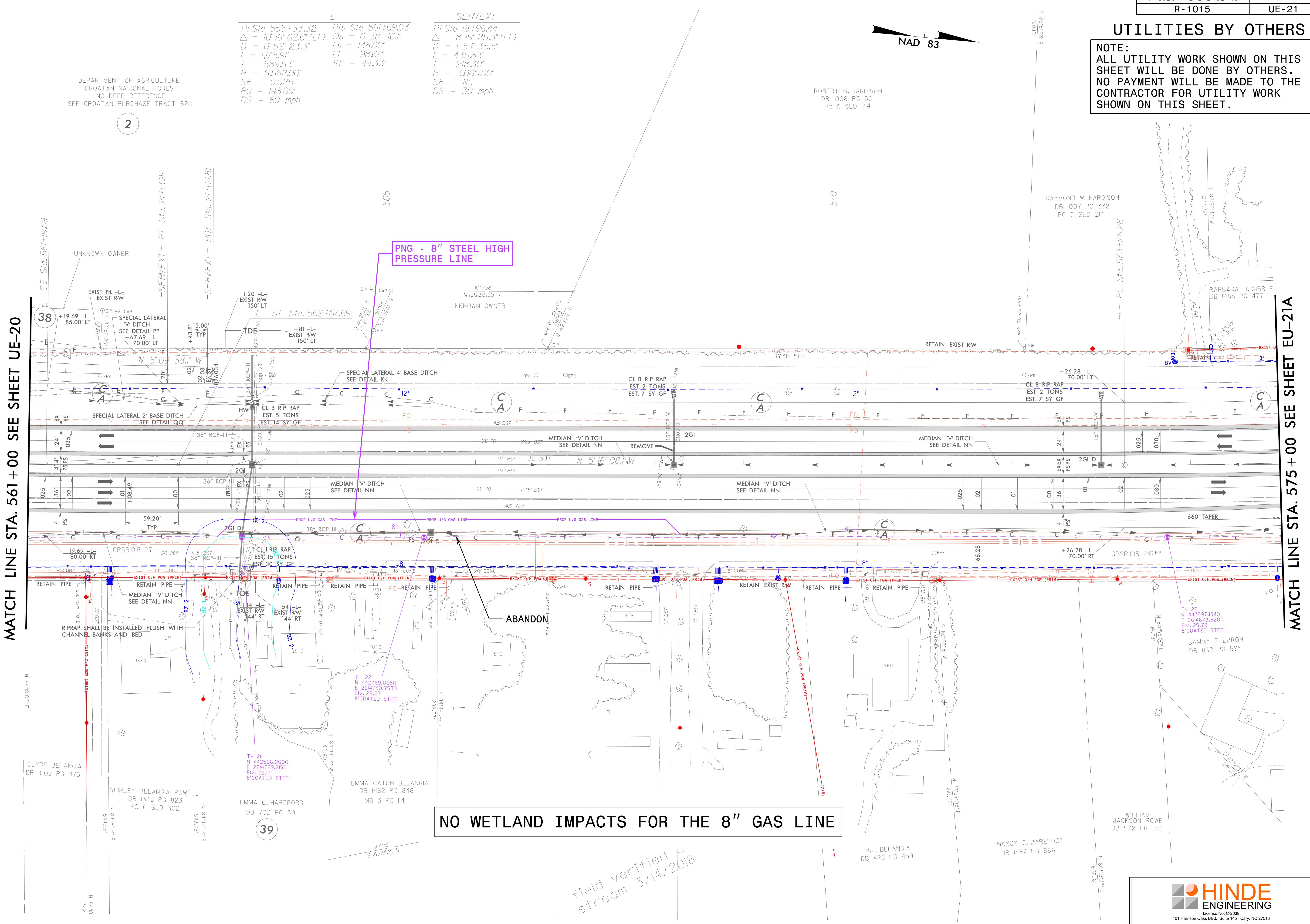
RICKE DB

37

UTILITIES BY OTHERS

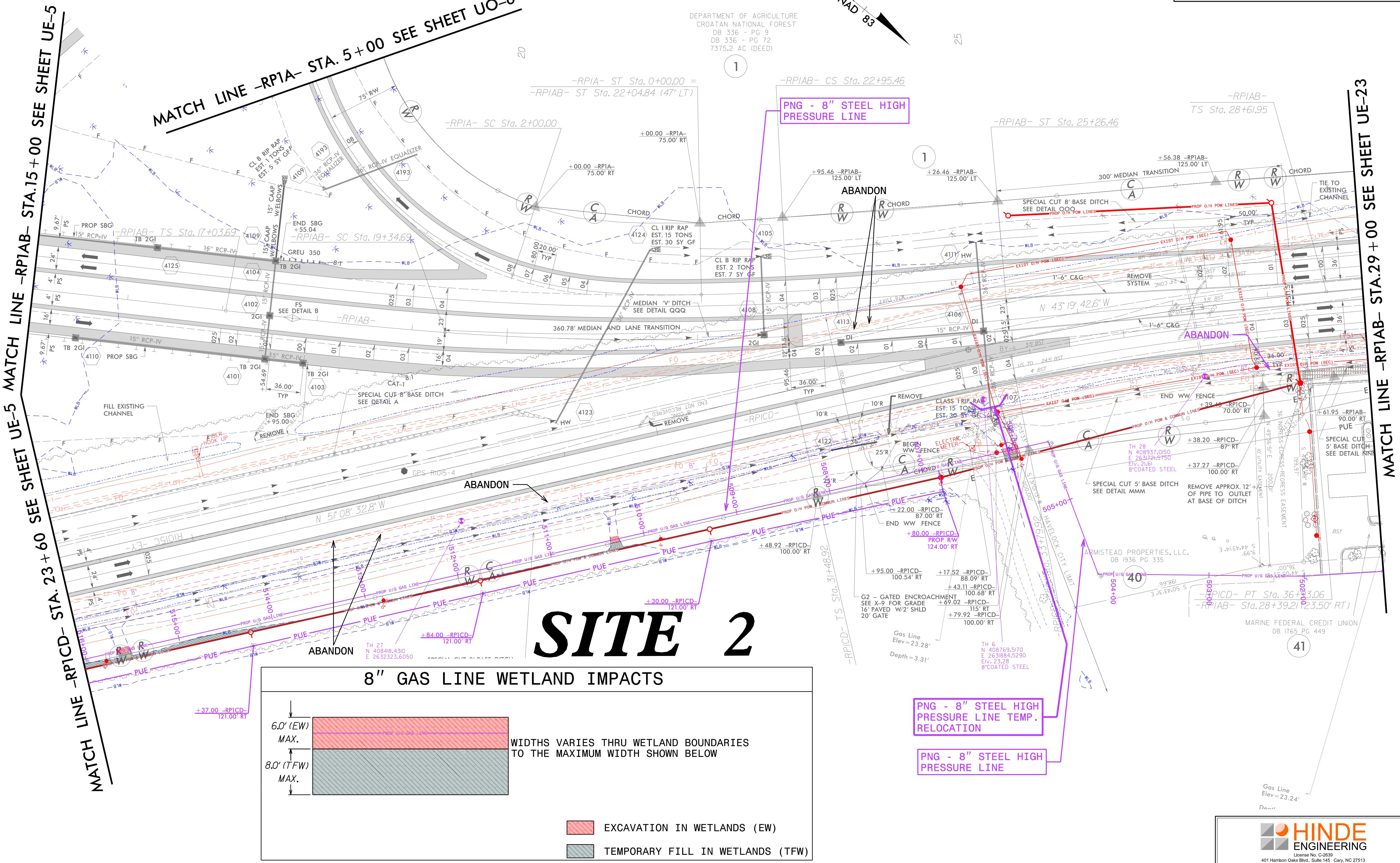
NOTE:
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MATCH LINE STA. 561+00 SEE SHEET UE-20



UTILITIES BY OTHERS

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Submitted 5/28/2021

WETLAND PERMIT IMPACT SUMMARY											
Site No.	Station (From/To) Line -L-	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS			
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Natural Stream Design (ft)
1	44+20 to 53+42	8" Gas Line		0.14	0.13						
2	57+72 to 87+88	8" Gas Line			0.43						
2	57+73 to 96+40	8" Gas Line		0.74							
2	88+25 to 94+66	8" Gas Line			0.04						
2	97+05 to 99+33	8" Gas Line		0.03							
2	97+76 to 97+86	8" Gas Line			0.01						
2	99+39 to 102.11	8" Gas Line		0.01							
2	101+89 to 101+98	8" Gas Line			0.01						
2	105+61 to 105+76	8" Gas Line		0.01	0.01						
New 48	536+44 to 537+09	8" Gas Line		0.01	0.01		0.04				
New 48	538+81 to 539+23	8" Gas Line			0.01		0.02				
New 49	546+46 to 546+49	8" Gas Line		0.01			0.01				
New 49	547+08 to 549+57	8" Gas Line	0.05	0.02		0.20					
TOTALS:			1.00	0.67	0.00	0.27	0.00	0.00	0.00	0.00	0.00

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
Craven/Carteret County
TIP PROJECT (R-1015)

ATN Revised 3/31/05

Rev. 05/10/2021