



Pre-Construction Notification (PCN) Form

For Nationwide Permits and Regional General Permits (along with corresponding Water Quality Certifications)

April 11, 2020 Ver 3.1

Please note: fields marked with a red asterisk *below are required. You will not be able to submit the form until all mandatory questions are answered.

Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

A. Processing Information

https://edocs.deq.nc.gov/WaterResources/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf

County (or Counties) where the project is located: *
Northampton
Halifax
Nash
Wilson
Johnston
Harnett
Cumberland
Robeson
Is this a NCDMS Project *
C Yes
Is this project a public transportation project?*
© Yes © No This is any publicly funded by municipal, state or federal funds road, rail, airport transportation project.
Is this a NCDOT Project?*
⊙ Yes C No
(NCDOT only) T.I.P. or state project number: I-5986C
WBS#*
47532.1.1 (for NDDOT use only)
1a. Type(s) of approval sought from the Corps: *
 ✓ Section 404 Permit (wetlands, streams and waters, Clean Water Act) ✓ Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)
1b. What type(s) of permit(s) do you wish to seek authorization?*
▼ Nationwide Permit (NWP)
☐ Regional General Permit (RGP) ☐ Standard (IP)
This form may be used to initiate the standard/individual permit process with the Corps. Please contact your Corps representative concerning submittals for standard permits. All required items that are not provided in the E-PCN can be added to the miscellaneous upload area located at the bottom of this form.
1c. Has the NWP or GP number been verified by the Corps?*

Nationwide Permit (NWP) Number:

⊙ Yes ○ No

12 - Utility Lines

NWP Numbers (for multiple NWPS):

List all NW numbers you are applying for not on the drop down list.

1d. Type(s) of approval sought from the DWR:*

check all that apply	
	☐ 401 Water Quality Certification - Express
☐ Non-404 Jurisdictional General Permit	☐ Riparian Buffer Authorization
☐ Individual Permit	
To le this notification calclufor the record because written approval is not required?	
1e. Is this notification solely for the record because written approval is not required?	
	*
For the record only for DWR 401 Certification:	○ Yes ⊙ No
For the record only for Corps Permit:	○ Yes ⓒ No
To the received only for earper crimin.	5 100 G 10
1f. Is this an after-the-fact permit application?*	
○ Yes	
1g. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of	impacts?
If so, attach the acceptance letter from mitigation bank or in-lieu fee program	
© Yes © No	
Acceptance Letter Attachment	
Click the upload button or drag and drop files here to attach document	
FLETYPEMUST BEPDF	
1h. Is the project located in any of NC's twenty coastal counties?*	
O Yes G No	
1j. Is the project located in a designated trout watershed?*	
C Yes € No	
Link to trout information: http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Acc	gency-Coordination/Trout.aspx
B. Applicant Information	
1a. Who is the Primary Contact?*	
NCDOT	
	1c. Primary Contact Phone: *
1b. Primary Contact Email:*	(xxx)xxx-xxxx
jldilday@ncdot.gov	(919)707-6111
1d. Who is applying for the permit?*	
✓ Owner	Applicant (other than owner)
(Check all that apply)	
1e. Is there an Agent/Consultant for this project?*	
○ Yes ⊙ No	
2. Owner Information	
2a. Name(s) on recorded deed:*	
NCDOT	
2b. Deed book and page no.:	
2c. Responsible party:	
(for Corporations)	
2d. Address*	
Street Address	
1000 Birch Ridge Drive Address Line 2	
Oty	State / Province / Region
Raleigh	NC
Postal / Zip Code	Country
27604	USA
2e. Telephone Number:*	
2e. Telephone Number: (xxx)xxx-xxxx	
(919)707-6000	
2f. Fax Number: (xxx)xxx-xxxx	
2g. Email Address:*	
pharris@nodot.gov	

1. Project Information



1a. Name of project:*

Broadband along I-95 (VA state line to SC state line) (I-5986C-Central)

1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town:*

Rocky Mount

2. Project Identification

(^)

2a. Property Identification Number:

(in acres)

(tax PIN or parcel ID) 2c. Project Address

Street Address

Address Line 2

State / Province / Region

Postal / Zip Code Country

2d. Site coordinates in decimal degrees

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

2b. Property size:

Latitude:* Longitude:* 35.913242 -77.796371

3. Surface Waters

ex: 34.208504

3a. Name of the nearest body of water to proposed project: *

Roanoke River, Tar River, Neuse River, Cape Fear River

3b. Water Resources Classification of nearest receiving water: *

B, C, Sw, WS-III, WS-IV, WS-V, NSW, CA,

Surface Water Lookup

3c. What river basin(s) is your project located in?*

Chowan

Roanoke

Tar-Pamlico

Neuse

Cape Fear Lumber

3d. Please provide the 12-digit HUC in which the project is located. *

030101070102, 030101070103, 030101070104, 030102040704, 030102040705, 030201010504, 030201020503, 030202011105, 030202011203, 030202011301, 030202011302, 030202011601, 030202011602, 030202011701, 030202011702, 030202011703, 030202030301, 030202030303, $030202030401, \, 030202030402, \, 030300040611, \, 030300040701, \, 030300040705, \, 030300040707, \, 030300040700, \, 030300040700, \, 0303000400004, \, 0303000400004, \, 0303000400004, \, 0303000400004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 030300040004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 030300040004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 03030004004, \, 0303$ 030300060102, 030300060103, 030300060104, 030300060105, 030402030401, 030402030602,030402030604, 030402030605, 030402030701, 030402031001, 030402031003, 030402031201, 030402031202, 030402031203, 030402040503

River Basin Lookup

4. Project Description and History

4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: *

Land use in the project vicinity is predominately maintained highway and right of way. Adjacent land use consists of forested, agricultural, residential, and commercial properties.

4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past?*

C Yes © No C Unknown

4d. Attach an 8 1/2 X 11 excerpt from the most recent version of the USGS topographic map indicating the location of the project site. (for DWR)

Click the upload button or drag and drop files here to attach document

File type must be pdf

4e. Attach an 8 1/2 X 11 excerpt from the r Click the upload button or drag and drop files here to attack File type must be pdf		RCS Soil Survey map depicting the project site. (for DWR)	
4f. List the total estimated acreage of all 6	existing wetlands on the property:		
4g. List the total estimated linear feet of a (intermittent and perennial) 1000	ill existing streams on the property:		
4h. Explain the purpose of the proposed Installation of conduit containing broadband fil 95 and to implement integrated corridor mana	ber will be coupled with microcell towers and Intellige	nt Transportation Systems (ITS) equipment to provide variable message signs along I-	
from allowing private sector to have access to	the innovative contracting opportunities that can arise the trunk line. Implementation will provide high spee closing the internet service gap between urban and it	d	
The North Carolina Department of Transporta	, , , , ,	oment to be used: * ong the I-95 from the Virginia state line to the South Carolina state line. The conduit uipment to be used includes dump trucks, plows, dozers, trenchers, backhoes, and	
4j. Please upload project drawings for the Olick the upload button or drag and drop files here to attact I-5986C I-95 Drawing Package No Aerial.pdf		48.97MB	
File type must be pdf	200	-10.01 NID	
5. Jurisdictional Determination			
5a. Have the wetlands or streams been do Yes	elineated on the property or proposed impact a	reas?^ C Unknown	
Comments: field visits of corridor were conducted on 7/2 a	and 7/14		
5b. If the Corps made a jurisdictional dete Preliminary Approved Not Verified Corps AID Number: Example: SAW-2017-99999	ermination, what type of determination was mad C Unknown C N/A	e?*	
5c. If 5a is yes, who delineated the jurisdi	ctional areas?		
Name (if known):	Morgan Weatherford & others for previous delinea	ations	
Agency/Consultant Company:	NCDOT		
Other:			
Wetlands along the corridor were determined		mination was made by the Corps or DWR. and model generated predictions. Ground truthing was conducted by RK&K to the USACE on July 2 and 14, 2020. Data forms, mapping and waters upload	
5d1. Jurisdictional determination upload Click the upload button or drag and drop files here to attact File type must be PDF	h document		
6. Future Project Plans			
6a. Is this a phased project?*			
		ded to be used, to authorize any part of the proposed project or related activity? of the Army authorization but don't require pre-construction notification.	This
D. Proposed Impacts In	ventory		<u></u>
1. Impacts Summary			
1a. Where are the impacts associated with	h your project? (check all that apply):		
✓ Wetlands ☐ Open Waters	☐ Streams-tributaries ☐ Pond Construction	☐ Buffers	

If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.

"W." will be used in the table below to represent the word "wetland".

2a. Site #*(?)	2a1 Reason * (?)	2b. Impact type * (?)	2c. Type of W.*	2d. W. name *	2e. Forested*		2g. Impact area*
1	Clearing and Grubbing	Т	Unknown	Multiple	Yes	Corps	0.244 (acres)
2	Trenching	Т	Unknown	Multiple	No	Corps	0.590 (acres)

2g. Total Temporary Wetland Impact

0.834

2g. Total Permanent Wetland Impact

0.000

2g. Total Wetland Impact

0.834

2h. Comments:

Impacts were estimated to have a 10 foot width in areas of clearing and grubbing. Areas of trenching were assumed to be 1 foot wide. See attached table (misc. section)

E. Impact Justification and Mitigation

1. Avoidance and Minimization

1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project: *

All work will occur within the existing NCDOT right of way. There will be no impacts to jurisdictional streams. When streams are encountered along corridor, conduit will either be attached to the existing structure or directionally bored under the stream. All wetlands with a length of 50 feet or greater will be directionally bored, resulting in no impact.

1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques:*

Where applicable, NCDOT "Design Standards in Sensitive Watersheds" will be adhered to. Once installed, the fiber optic lines will not require maintenance and the areas will be allowed to revert to the pre-installation state.

2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State

2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?

2b. If this project DOES NOT require Compensatory Mitigation, explain why:

All impacts are considered temporary and do not require mitigation.

NC Stream Temperature Classification Maps can be found under the Mitigation Concepts tab on the Wilmington District's RIBITS website.

F. Stormwater Management and Diffuse Flow Plan (required by DWR)



*** Recent changes to the stormwater rules have required updates to this section .***

1. Diffuse Flow Plan

1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

⊙ Yes C No

1b. All buffer impacts and high ground impacts require diffuse flow or other form of stormwater treatment. If the project is subject to a state implemented riparian buffer protection program, include a plan that fully documents how diffuse flow will be maintained.

All Stormwater Control Measures (SCM)s must be designed in accordance with the NC Stormwater Design Manual. Associated supplement forms and other documentation shall be provided.

What type of SCM are you providing?

Level Spreader

□ Vegetated Conveyance (lower SHWT)

Wetland Swale (higher SHWT)

Other SCM that removes minimum 30% nitrogen

Proposed project will not create concentrated stormwater flow through the buffer (check all that anniv)

For a list of options to meet the diffuse flow requirements, click here.

Diffuse Flow Documentation

Click the upload button or drag and drop files here to attach document

2. Stormwater Management Plan

2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250?*

⊙ Yes ⊙ No

Comments:

G. Supplementary Information



1. Environmental Documentation

la. Does the project involve an expenditure	of public (federal/state/local) funds or the use of public (federal/state) land? "
⊙ Yes	C No
lb. If you answered "yes" to the above, does Environmental Policy Act (NEPA/SEPA)? *	s the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina
⊙ Yes	C No
c. If you answered "yes" to the above, has	the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) *
O Yes	⊙ No
Comments:*	
Categorical Exclusions do not require submission	to the State Clearing House.

2. Violations (DWR Requirement)

2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)? *

C Yes

180.38KB

3. Cumulative Impacts (DWR Requirement)

3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?*

O Yes

No

3b. If you answered "no," provide a short narrative description.

Due to broadband installation, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects study will not be necessary.

4. Sewage Disposal (DWR Requirement)

4a. Is sewage disposal required by DWR for this project?*

○ Yes ○ No ○ N/A

5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or	near an area with federally p	protected species or habitat?"	
	C No		
5b. Have you checked with the	USFWS concerning Endange	ered Species Act impacts?*	
Yes	C No		
5c. If yes, indicate the USFWS I Raleigh	Field Office you have contact	ted.	
5d. Is another Federal agency	involved?*		
C Yes		⊙ No	C Unknown
5e. Is this a DOT project locate	d within Division's 1-8?*		
⊙ Yes ○ No			
	tabase; USFWS-Raleigh Field O	Office website; biological surveys for	red Species or Designated Critical Habitat?* or protected species listed for the listed counties
Consultation Documentation U	pload		
Otal discount and butters are described as a file	an have to attack document		

6. Essential Fish Habitat (Corps Requirement)

 $20200625_ltr_USFWS_NCDOT_l-5986C_R-5777D.pdf$

File type must be PDF

6a. Will this project occur in or near an area designated as an Essential Fish Habitat?*

C Yes	© No	
6b. What data sources did you use to deter NMFS county index	mine whether your site would impact an Essential Fish H	abitat?*
7. Historic or Prehistoric Cultu	ural Resources (Corps Requirement)	
Link to the State Historic Preservation Office His	storic Properties Map (does not include archaeological data: htt	tp://gis.ncdcr.gov/hpoweb/
	a that the state, federal or tribal governments have design in North Carolina history and archaeology)?*	gnated as having historic or cultural preservation status (e.g., National Historic
○ Yes	⊙ No	
	mine whether your site would impact historic or archeolour the project are eligible for the NRHP, there should be no impa	
7c. Historic or Prehistoric Information Uplo Click the upload button or drag and drop files here to attach of File must be PDF		
8. Flood Zone Designation (Co	orps Requirement)	
Link to the FEMA Floodplain Maps: https://r	nsc.fema.gov/portal/search	
8a. Will this project occur in a FEMA-design	nated 100-year floodplain?*	
⊙ Yes	C No	
8b. If yes, explain how project meets FEMA	requirements:	
8c. What source(s) did you use to make the Crossing of multiple perennial waters	floodplain determination?*	
Miscellaneous		⊚
Comments		
Miscellaneous attachments not previously	requested.	
Click the upload button or drag and drop files here to attach of	•	
l95_june9_flag50huc8_stats.pdf File must be PDF or KMZ		3.83KB
Signature		⊙

- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the PCN form.

Full Name:*

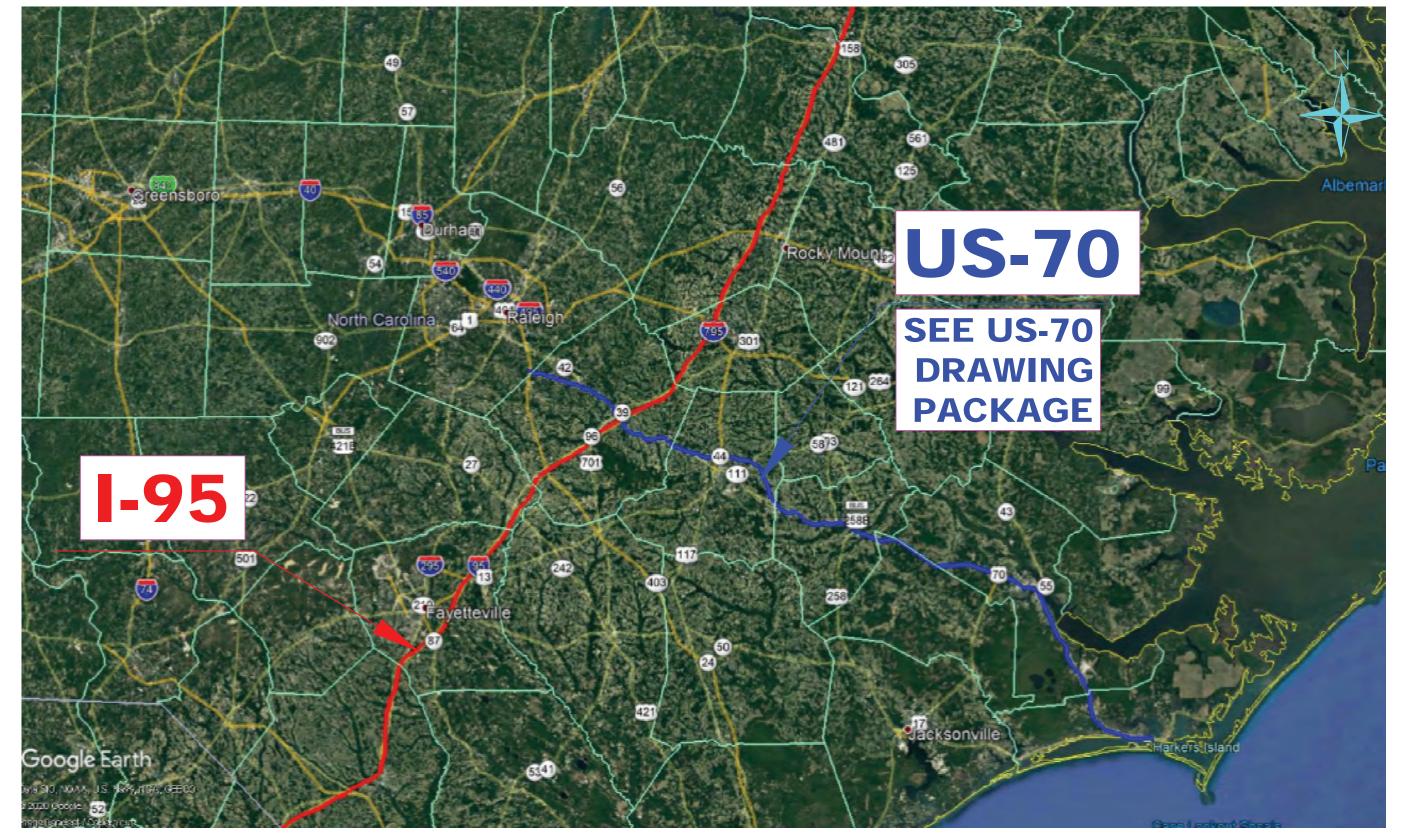
Mack Christopher Rivenbark, III

Signature *

Hack C. Riverbank, III

Date

8/6/2020





3315 ATLANTIC AVE RALEIGH, NC 27604 (919) 876-5455

REV	DATE	DESCRIPTION	OWNER:

/4	OF NORTH C	RROLING
O STAN		Duma.
EPARTIT	ENT OF TRANS	SPORTE

	_
	J(
	D
	S
BEFORE YOU DIG	D
STOP call 1-800-632-4949	D
N.C. ONE-CALL CENTER IT'S THE LAW	C
	A

	JOB NO:	POC	P
	DATE:	30-07-2020	
Ì	SCALE:	1:200	
I	DESIGNED BY:	RAMTECH	S
	DRAWN BY:	RAMTECH	၂၁
	CHECKED BY:		
	APPROVED BY:		

PROJECT NAME:

I-95

SHEET NAME: SHEET: K-(1) K1

LEGEND



WETLANDS



HISTORIC PRESERVATION OFFICE



CULVERTS



BEST FIT ALIGNMENT

— CENTERLINE

MILITARY OWNED PROPERTY

— NATIONAL FORESTS

PARCELS

COUNTIES

— PLOW — PLOW

- σ — OPEN TRENCH

DIRECTIONAL BORE

- conduit

+++++++ RAIL ROAD

TIPS CONFLICTS

COMMUNICATIONS
2215 ATLANTIC AVE

3315 ATLANTIC AVE RALEIGH, NC 27604 (919) 876-5455

REV	DATE	DESCRIPTION	OWNER:

ORTH CAROLIN
CIMA.
FTRANSPORT

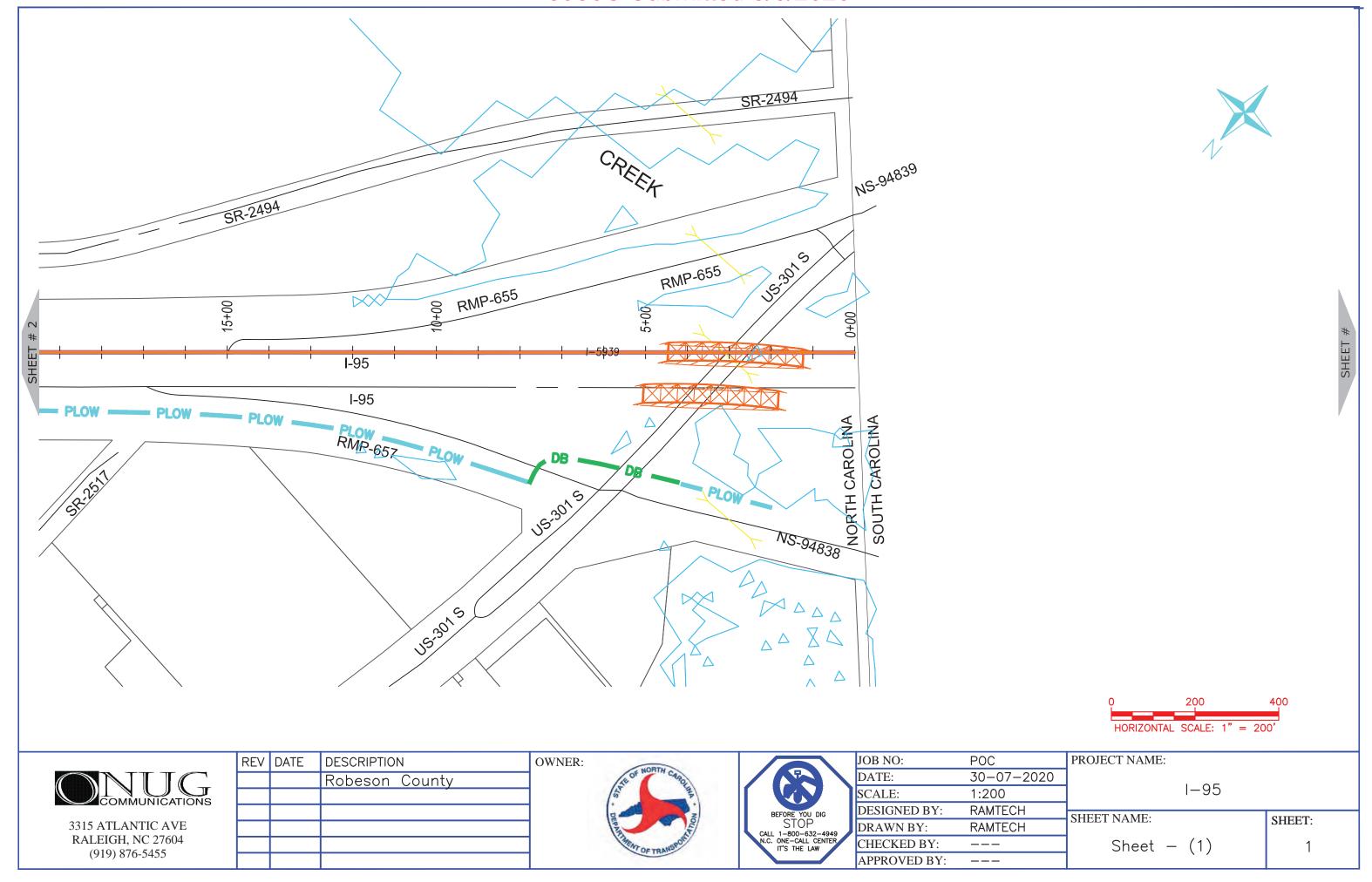
STOP CALL 1-800-632-4949 N.C. ONE-CALL CENTER IT'S THE LAW

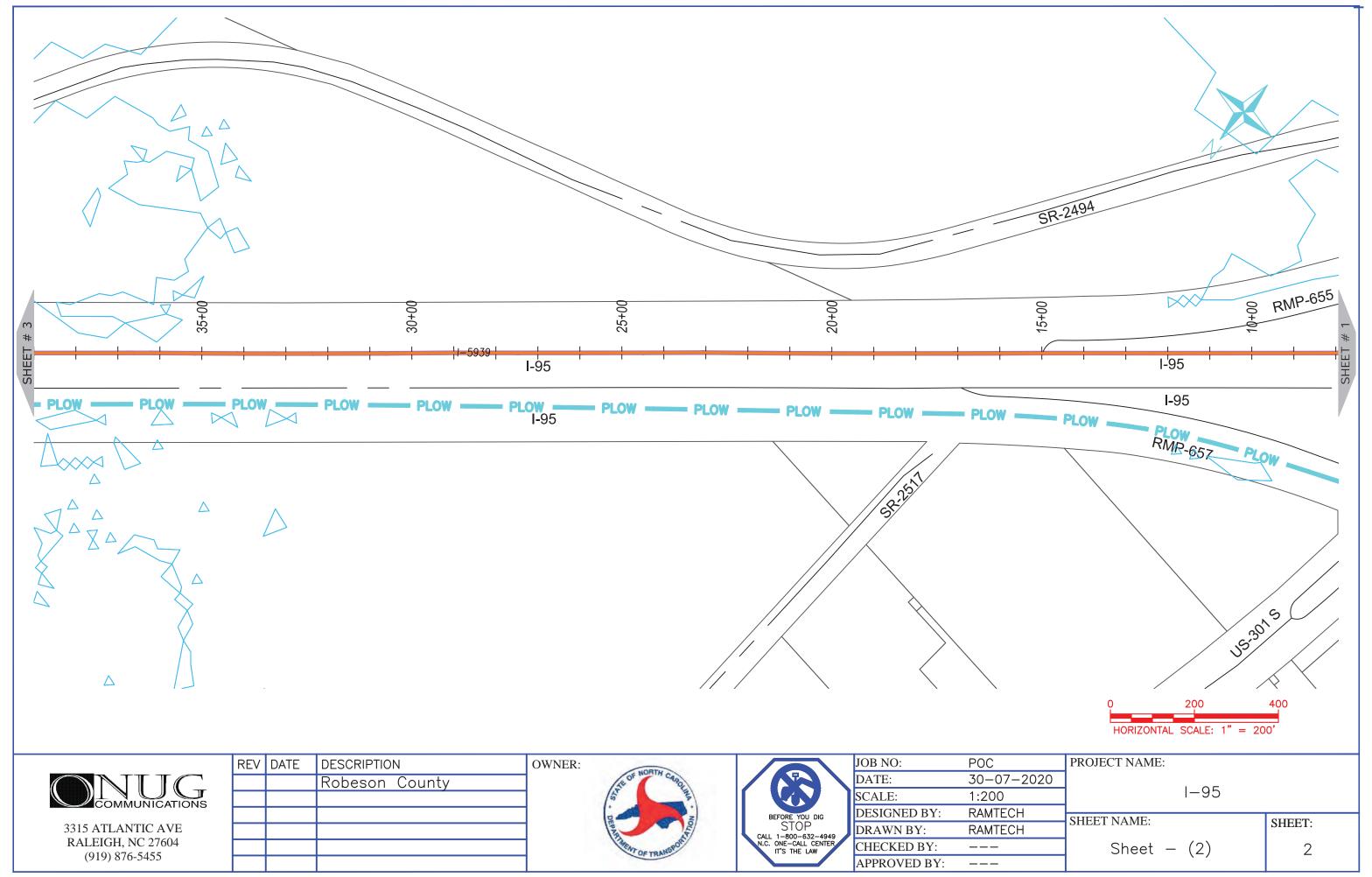
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	DATE:	30-07-2020
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	DRAWN BY:	RAMTECH
	CHECKED BY:	
	APPROVED BY:	

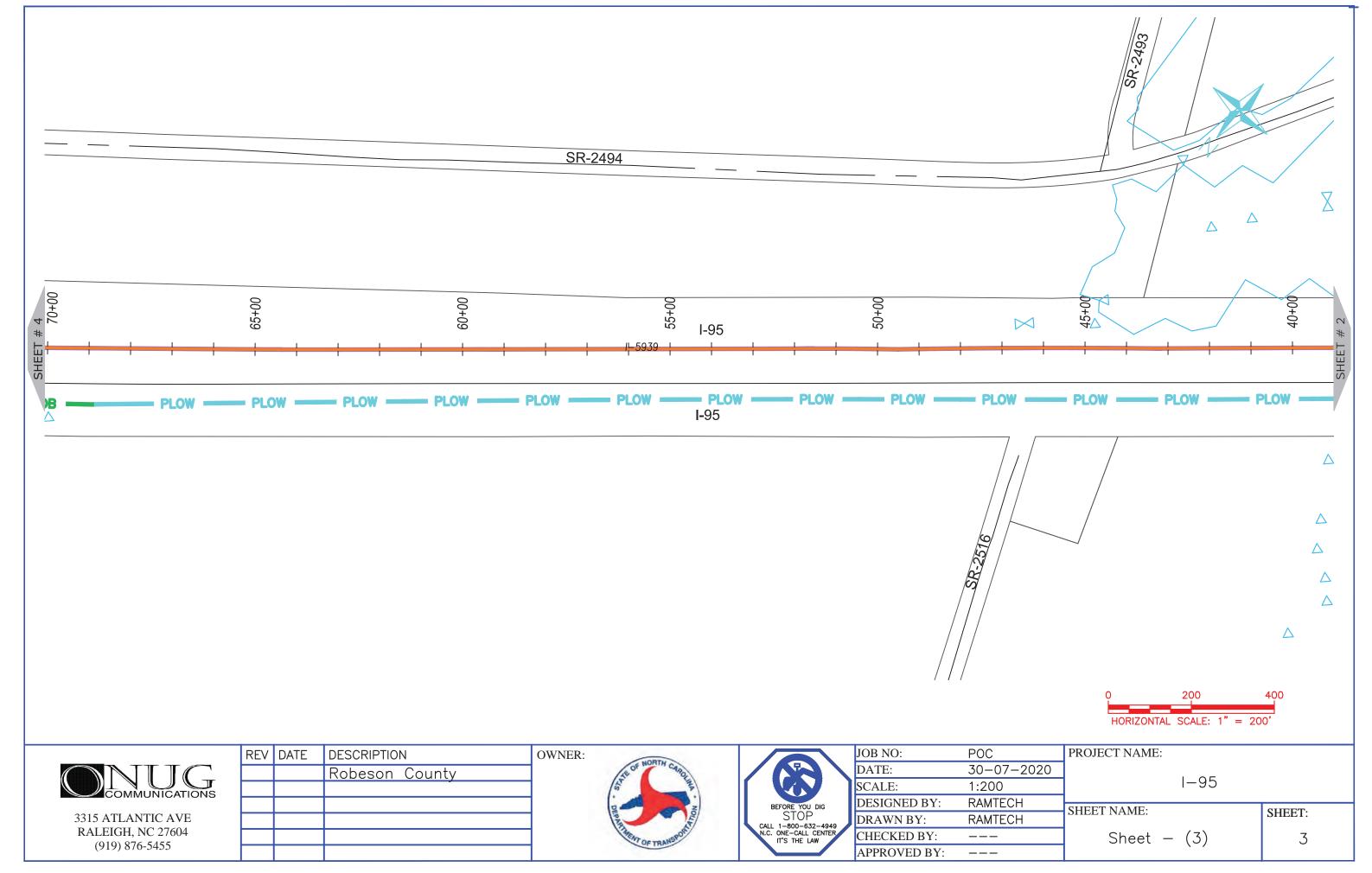
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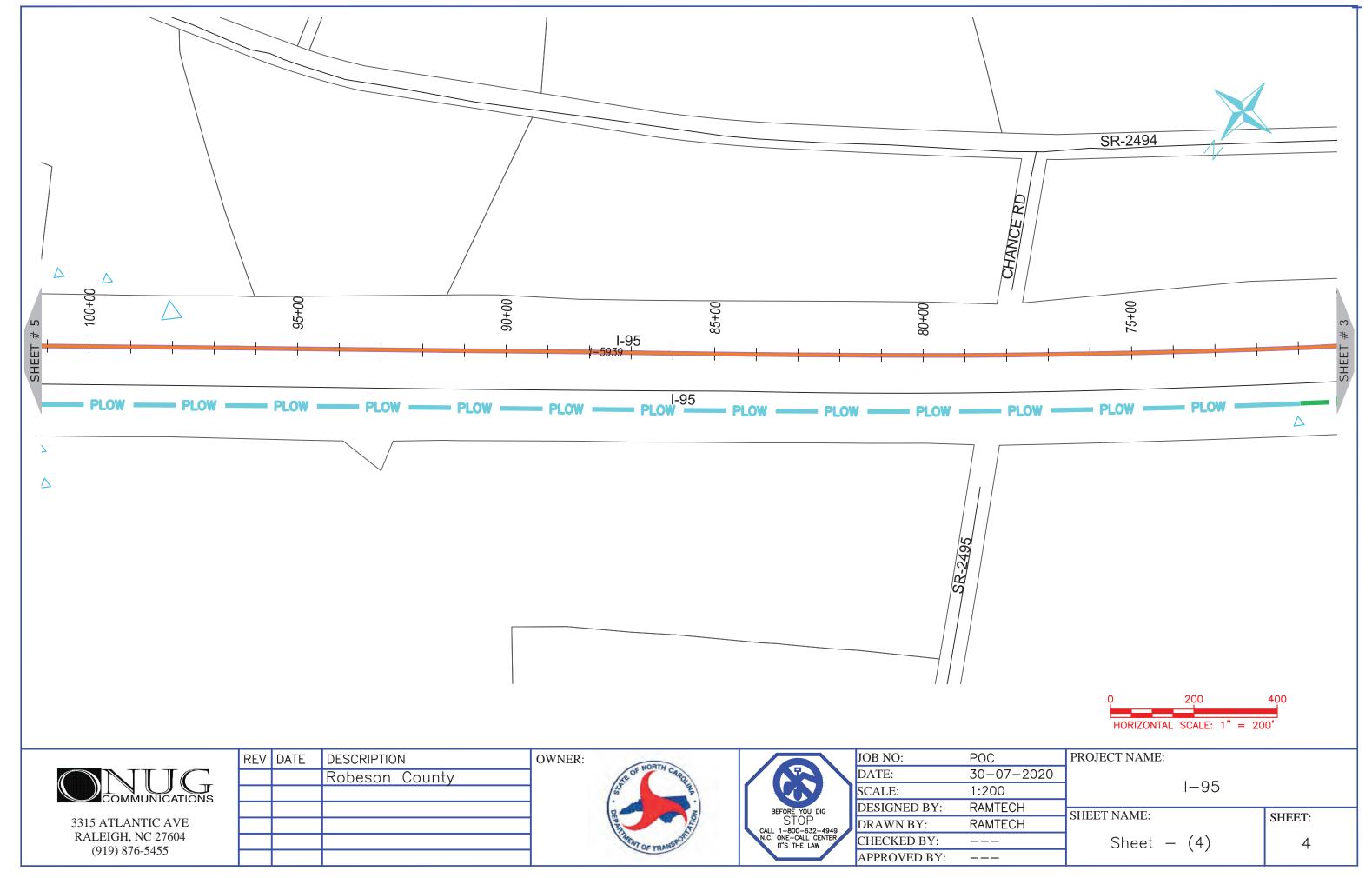
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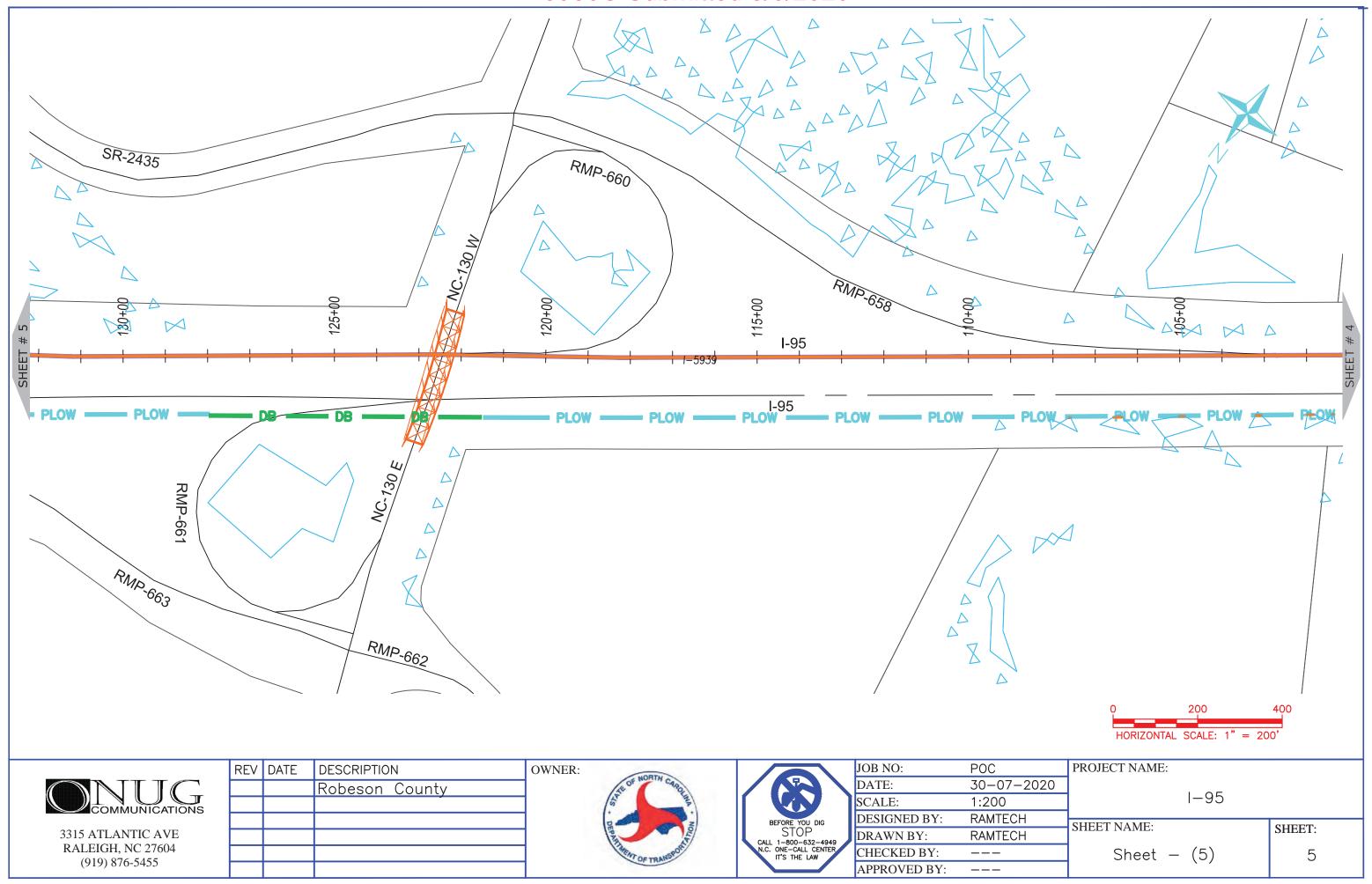
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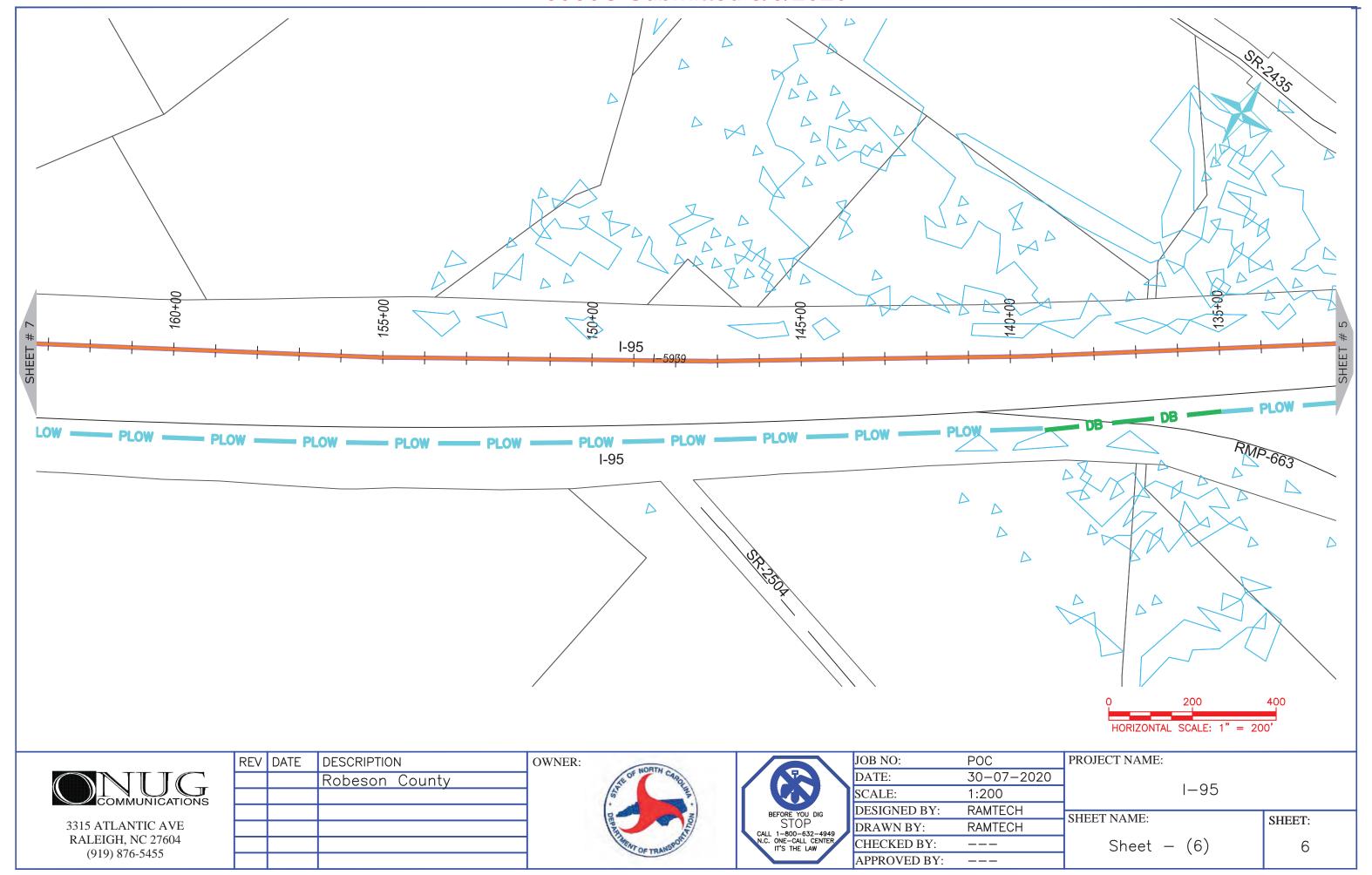


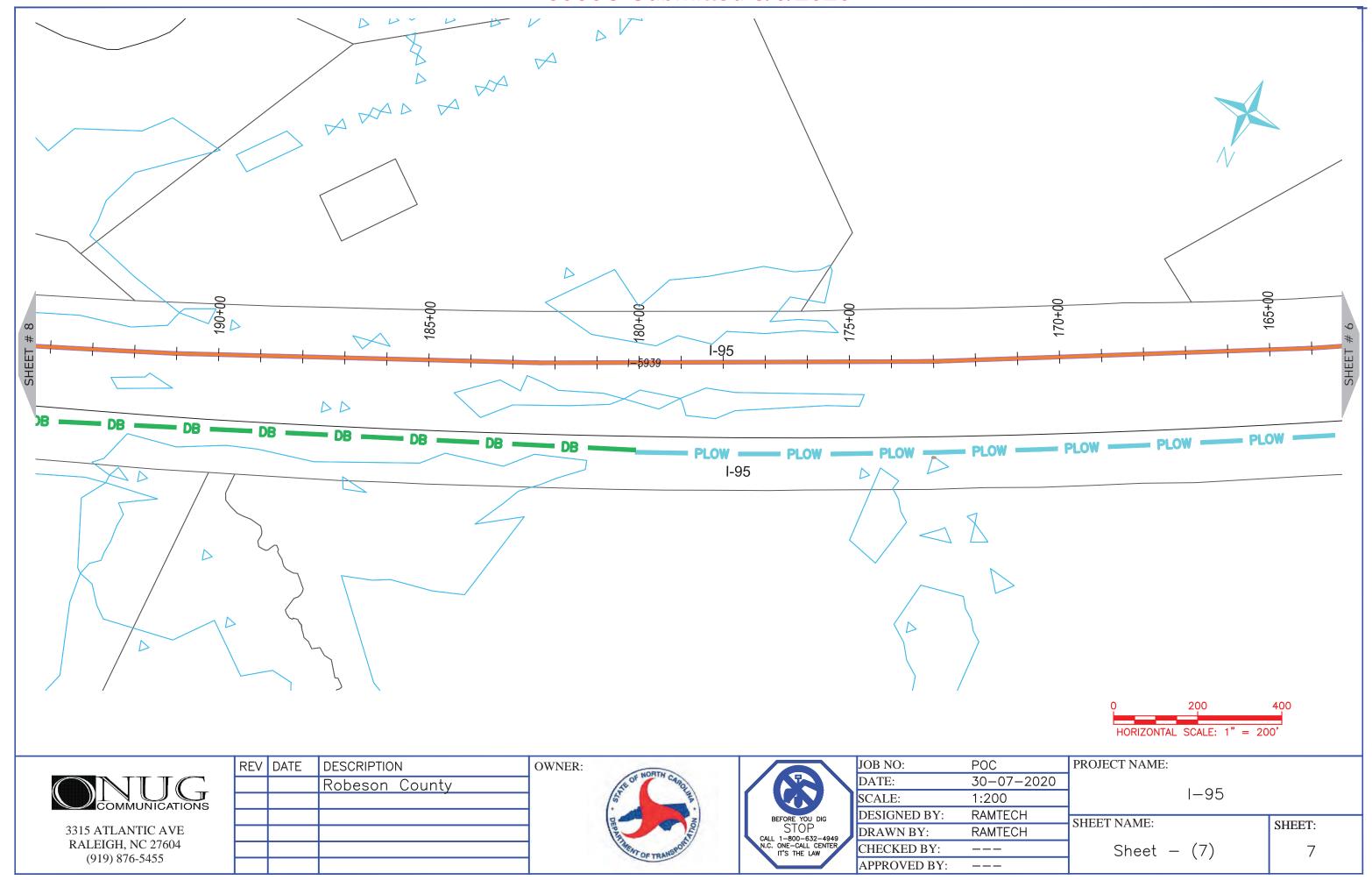


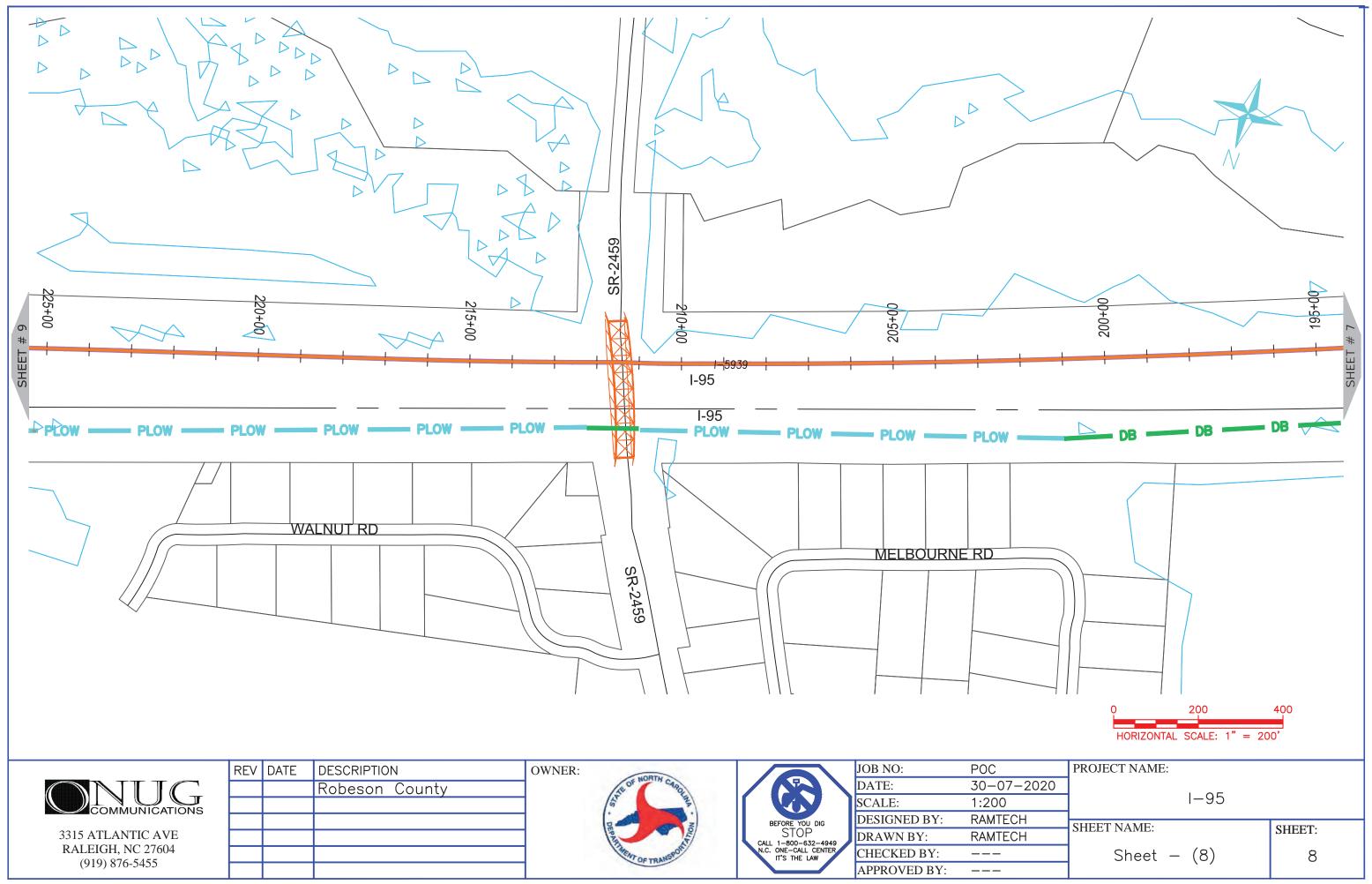


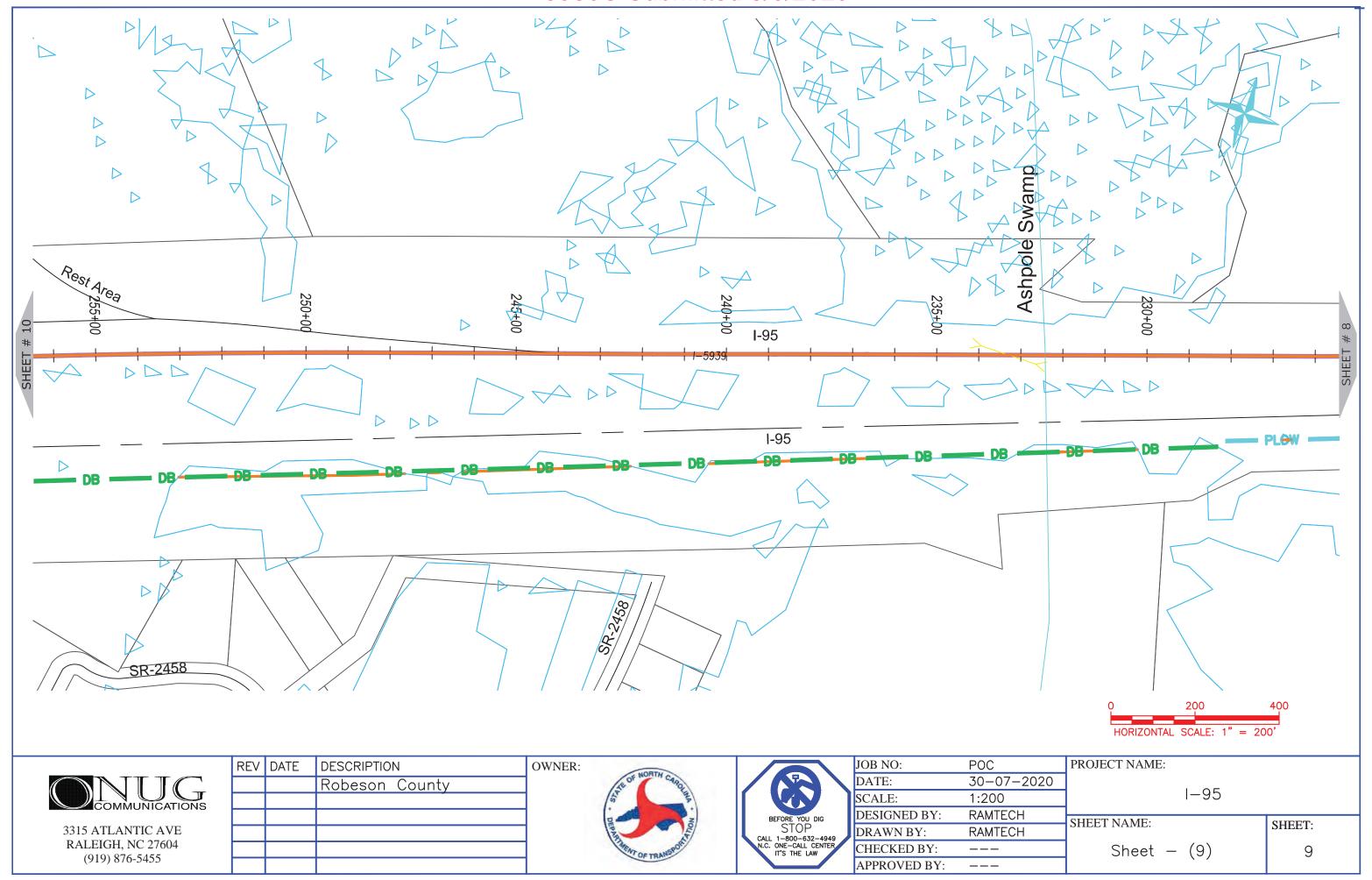


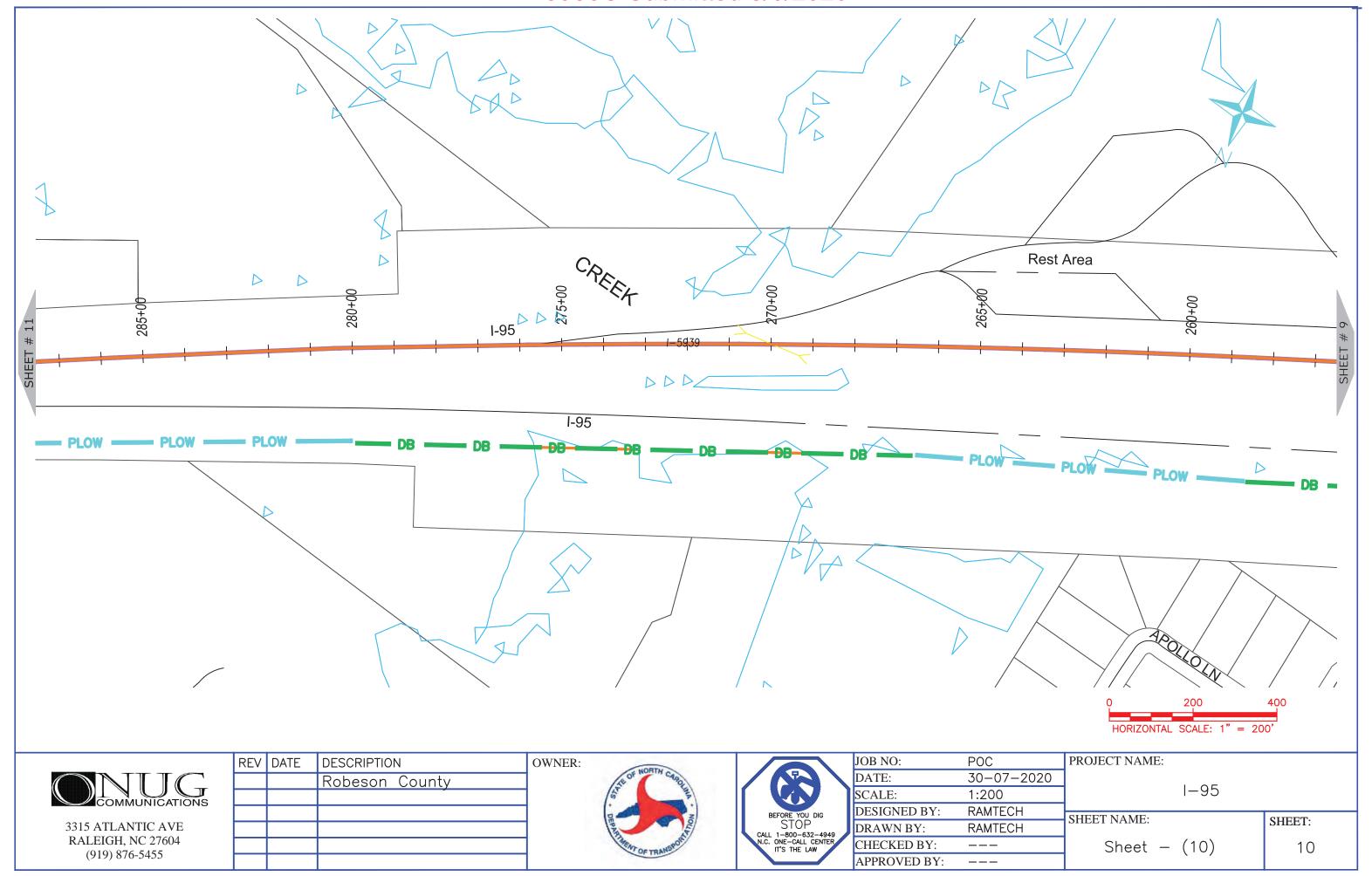


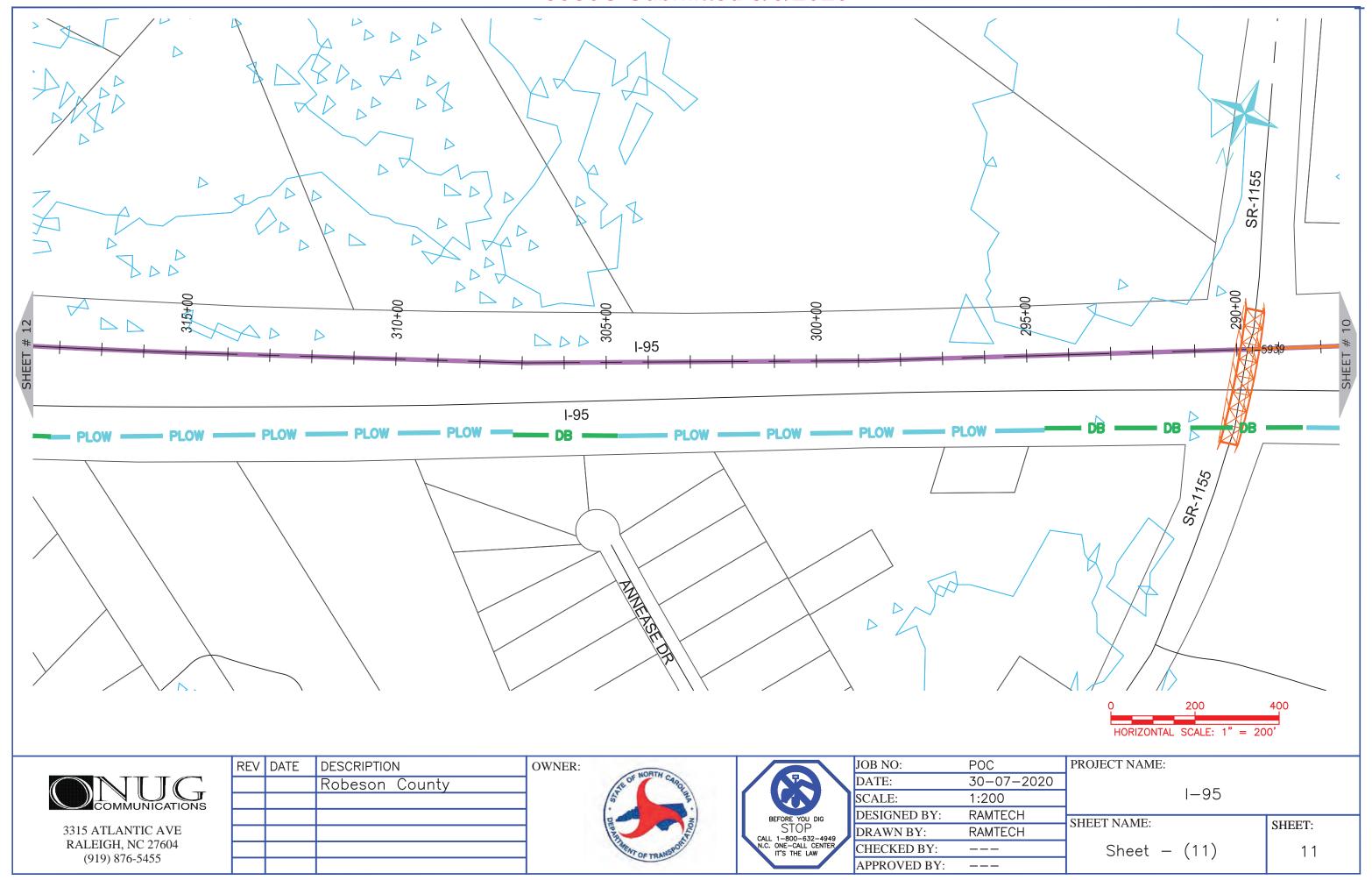


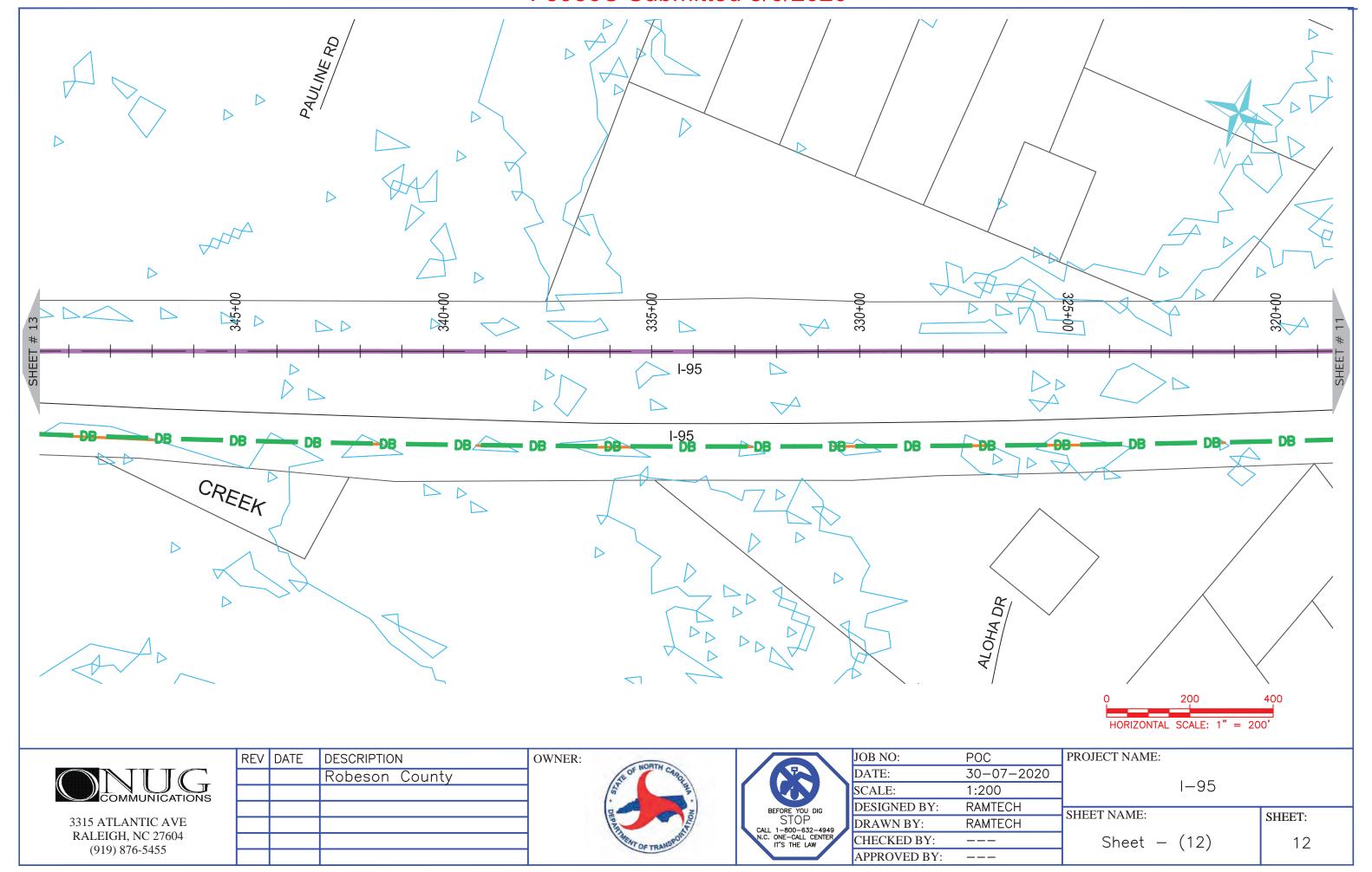


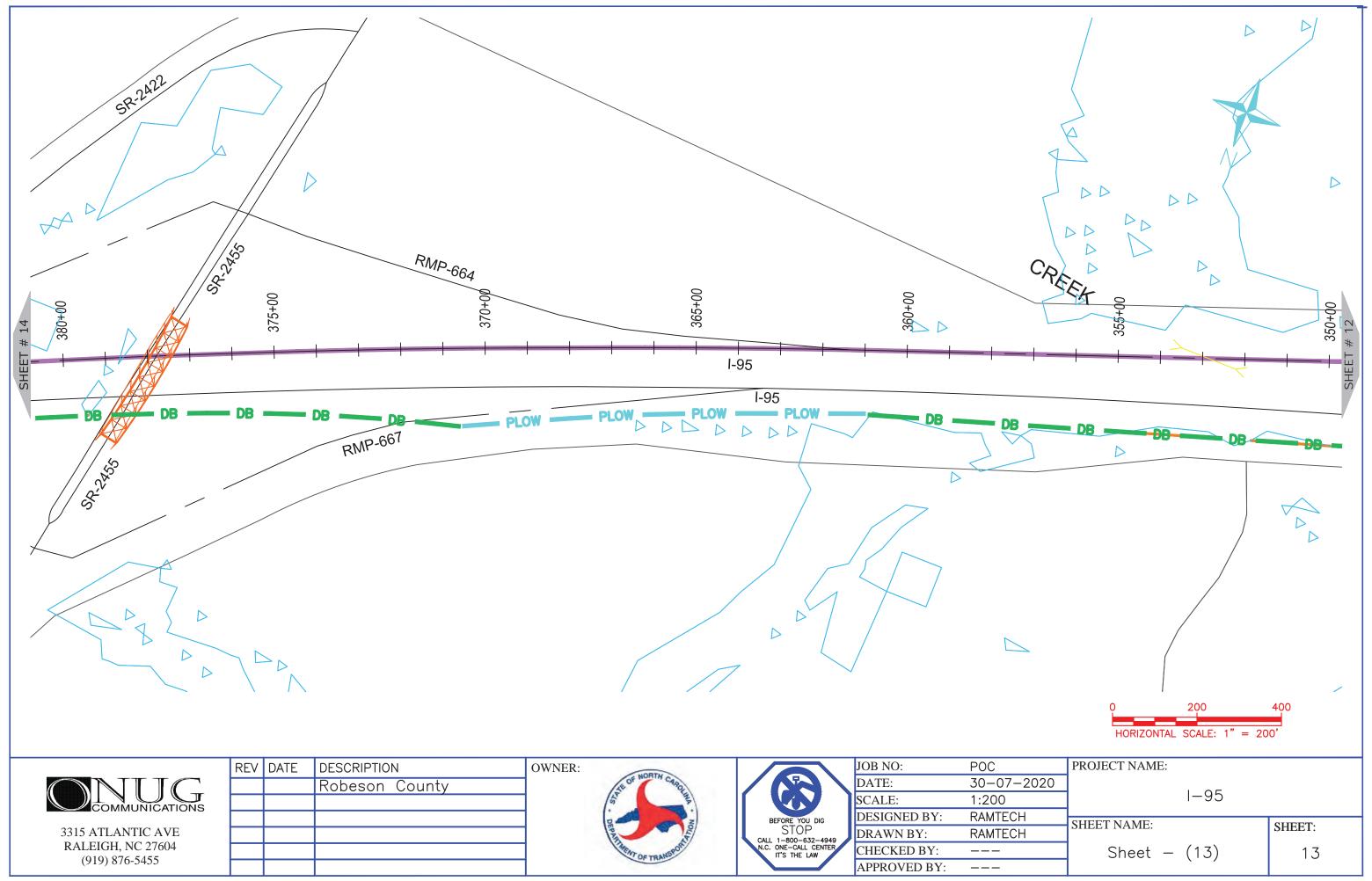


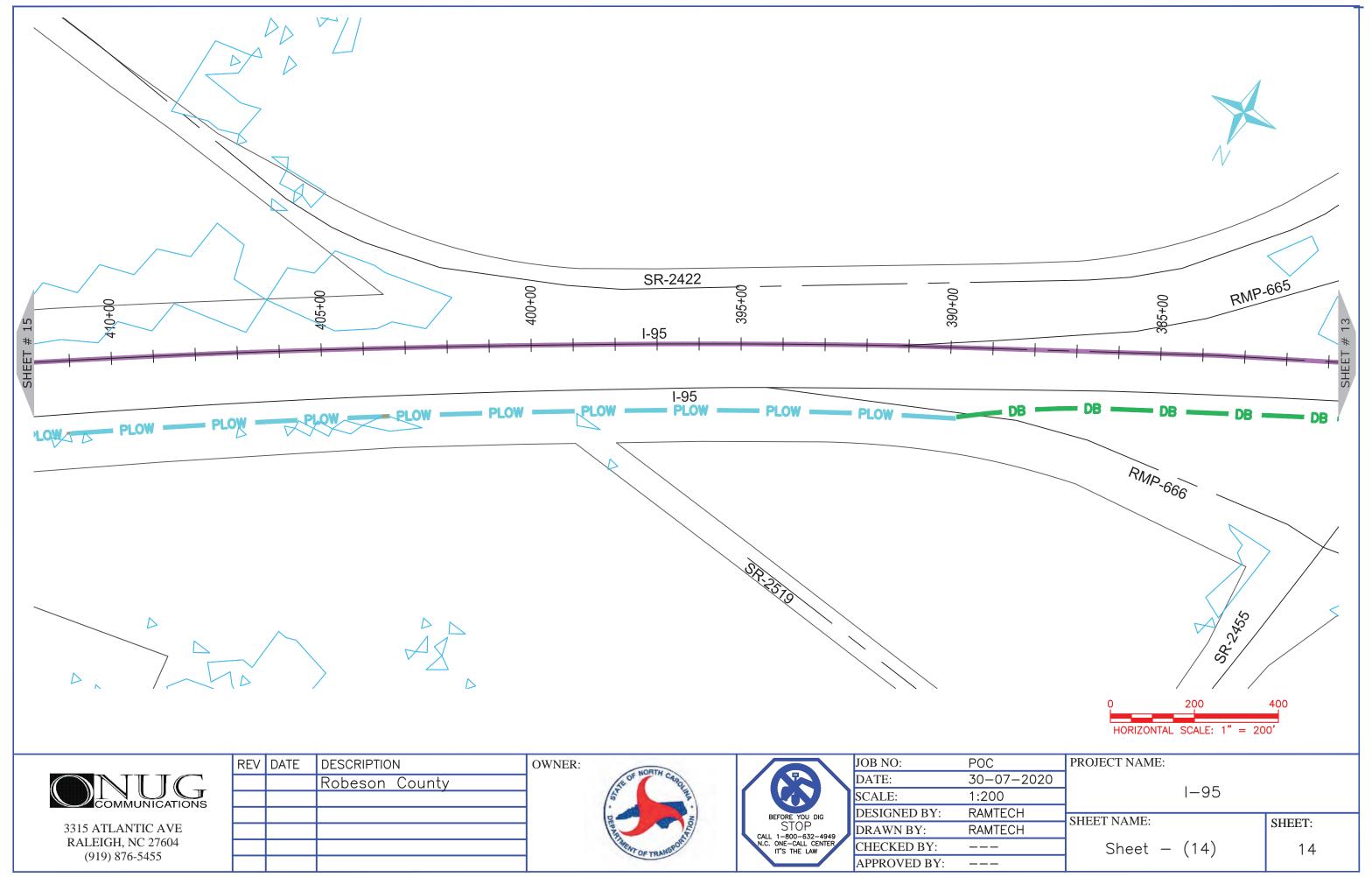


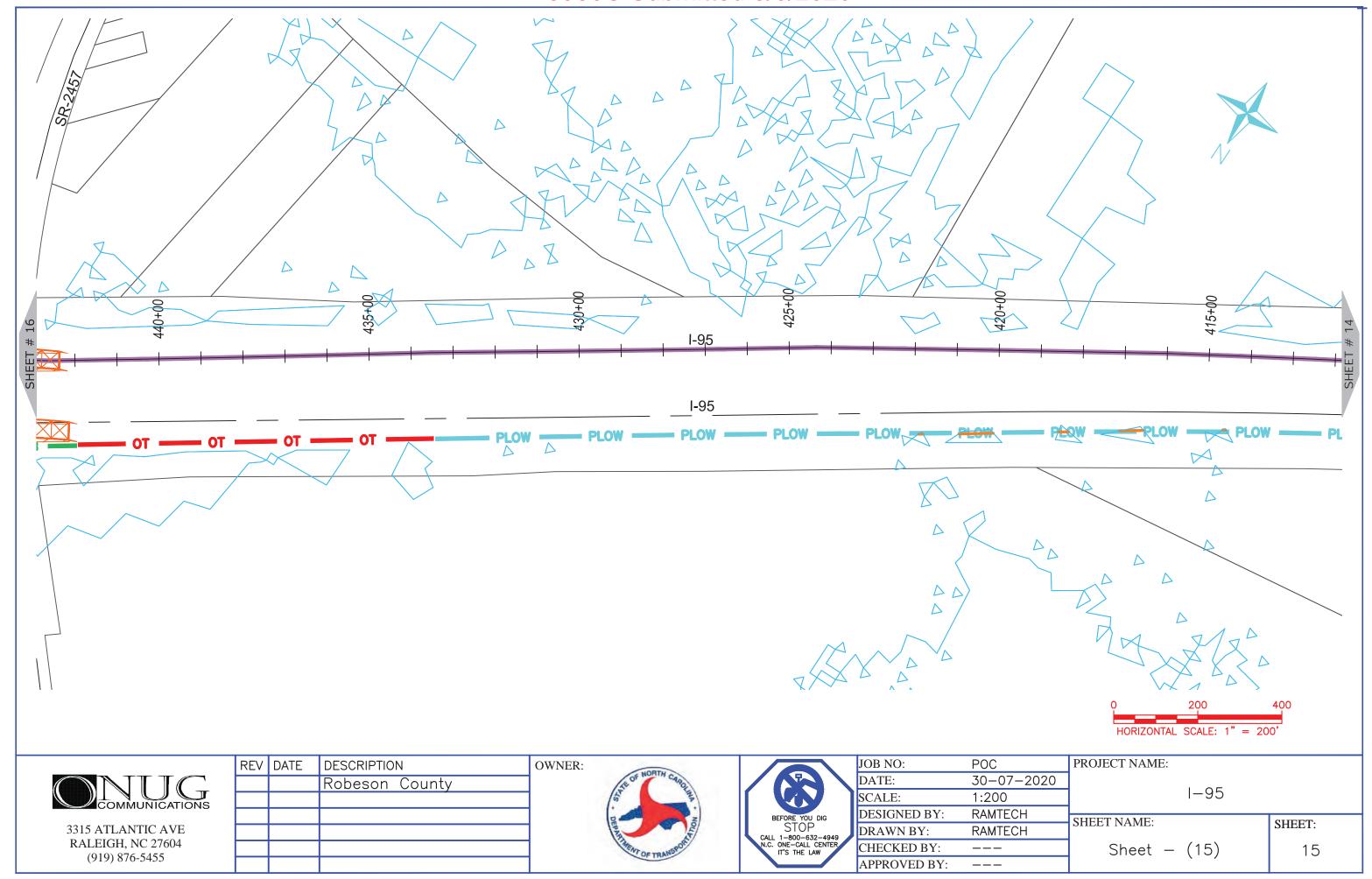


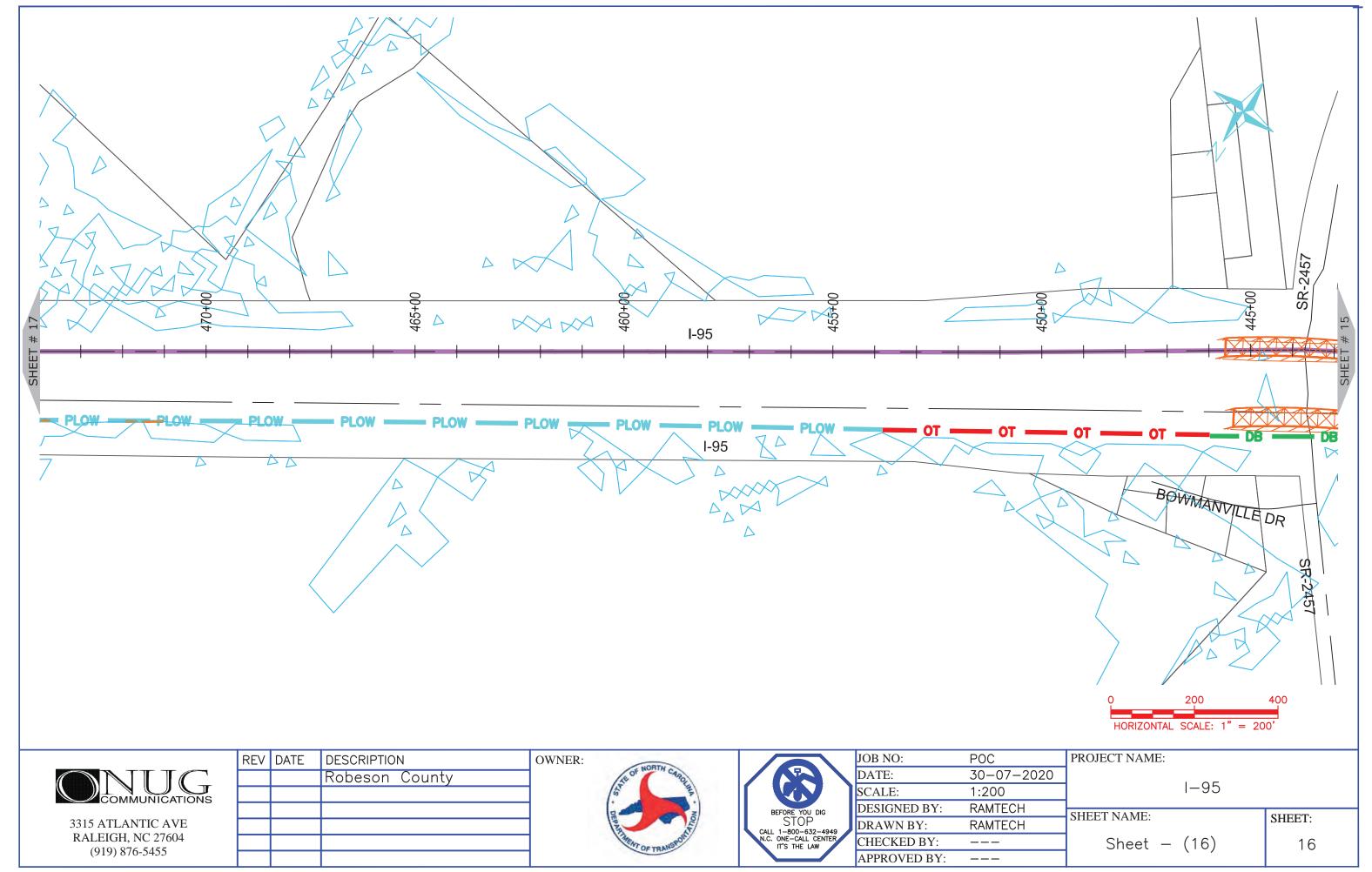


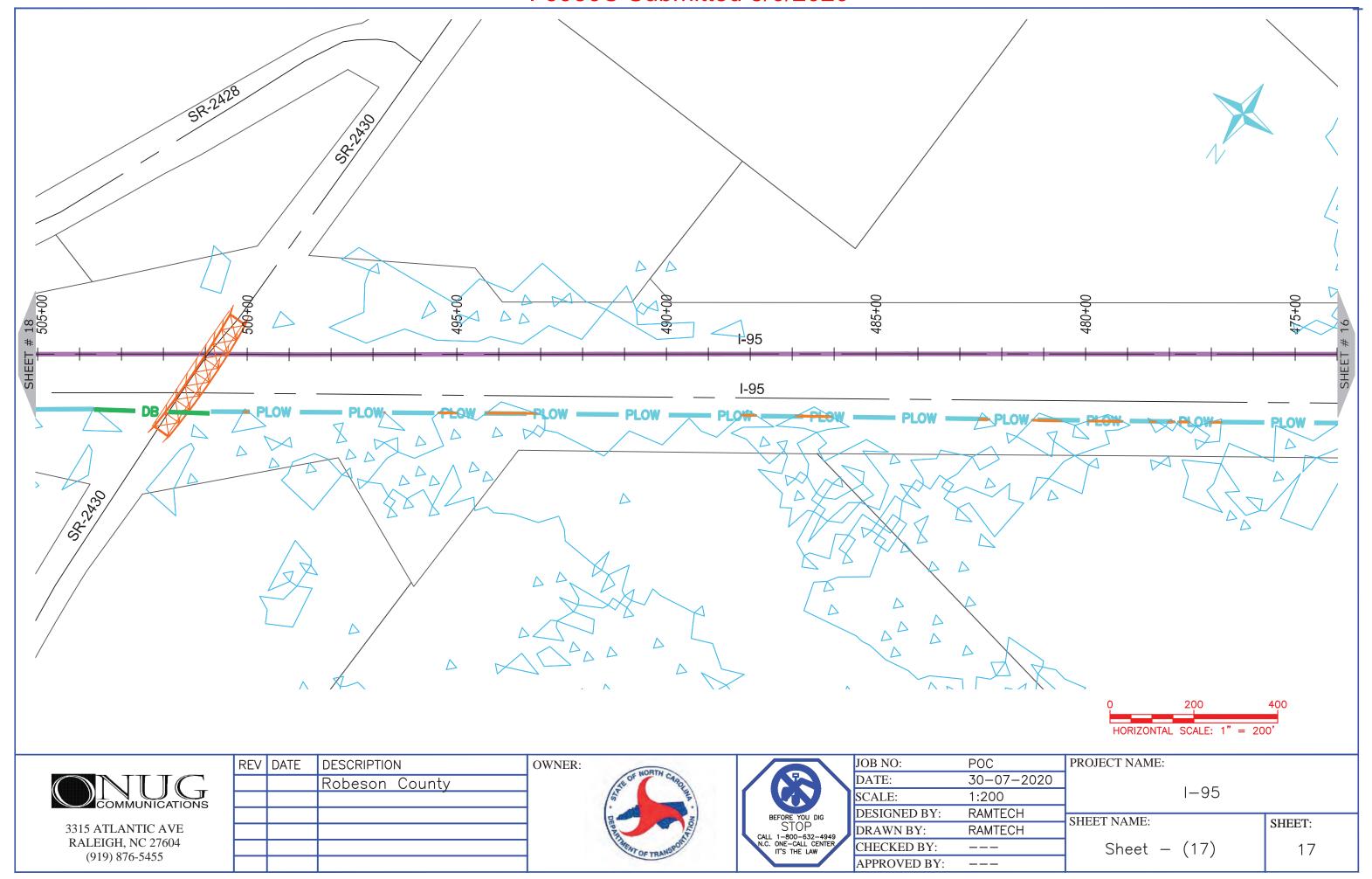


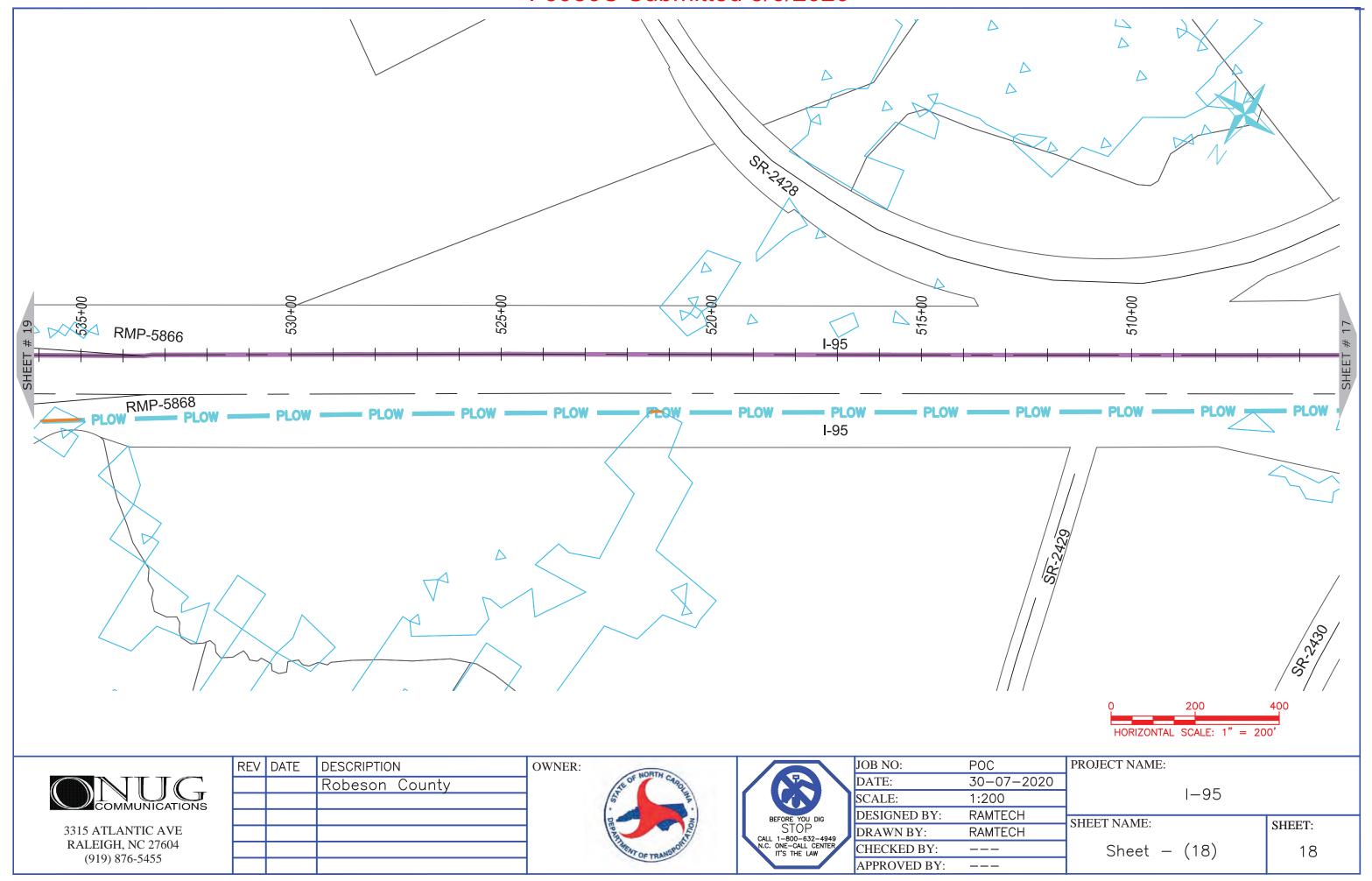


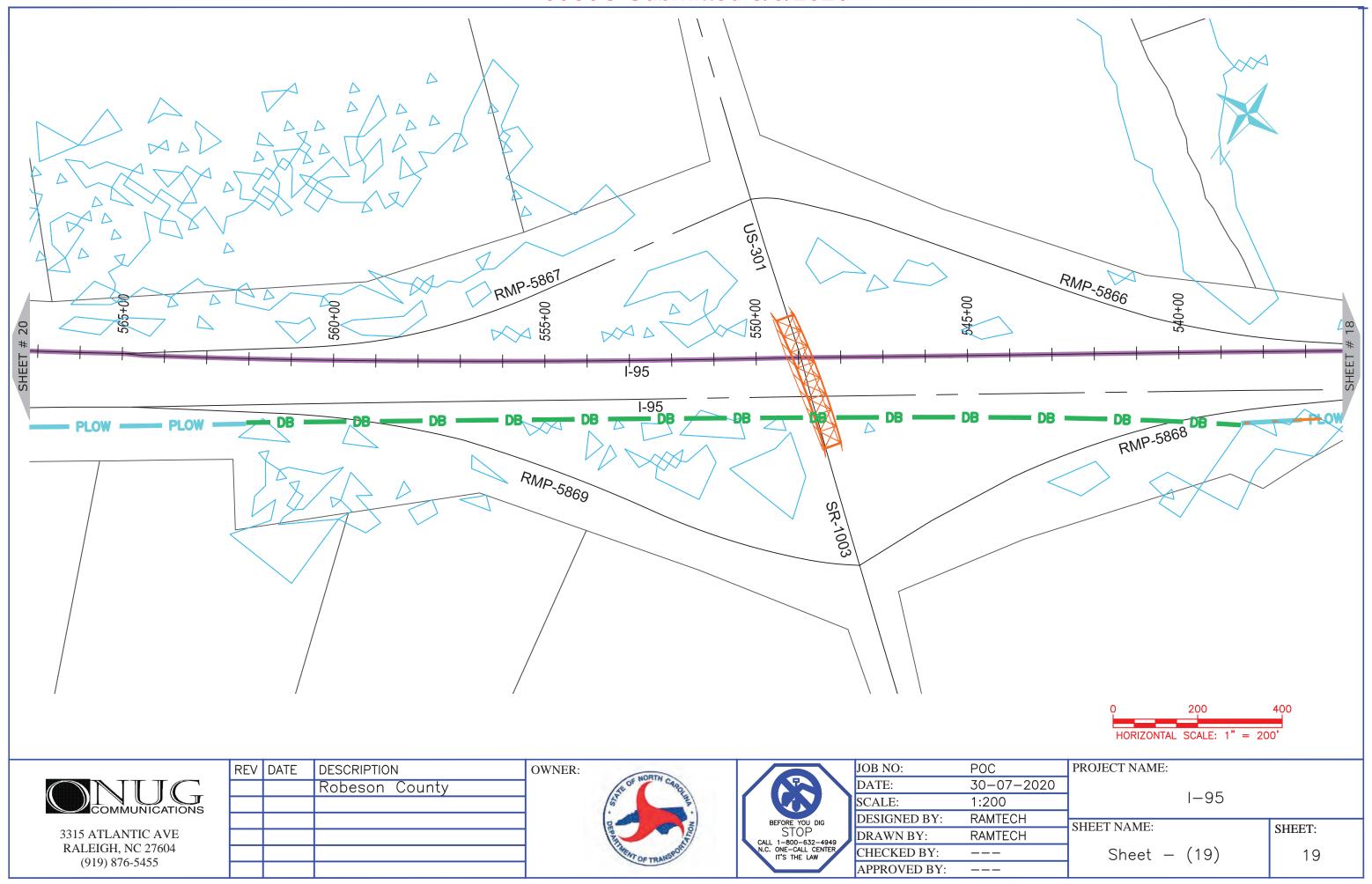


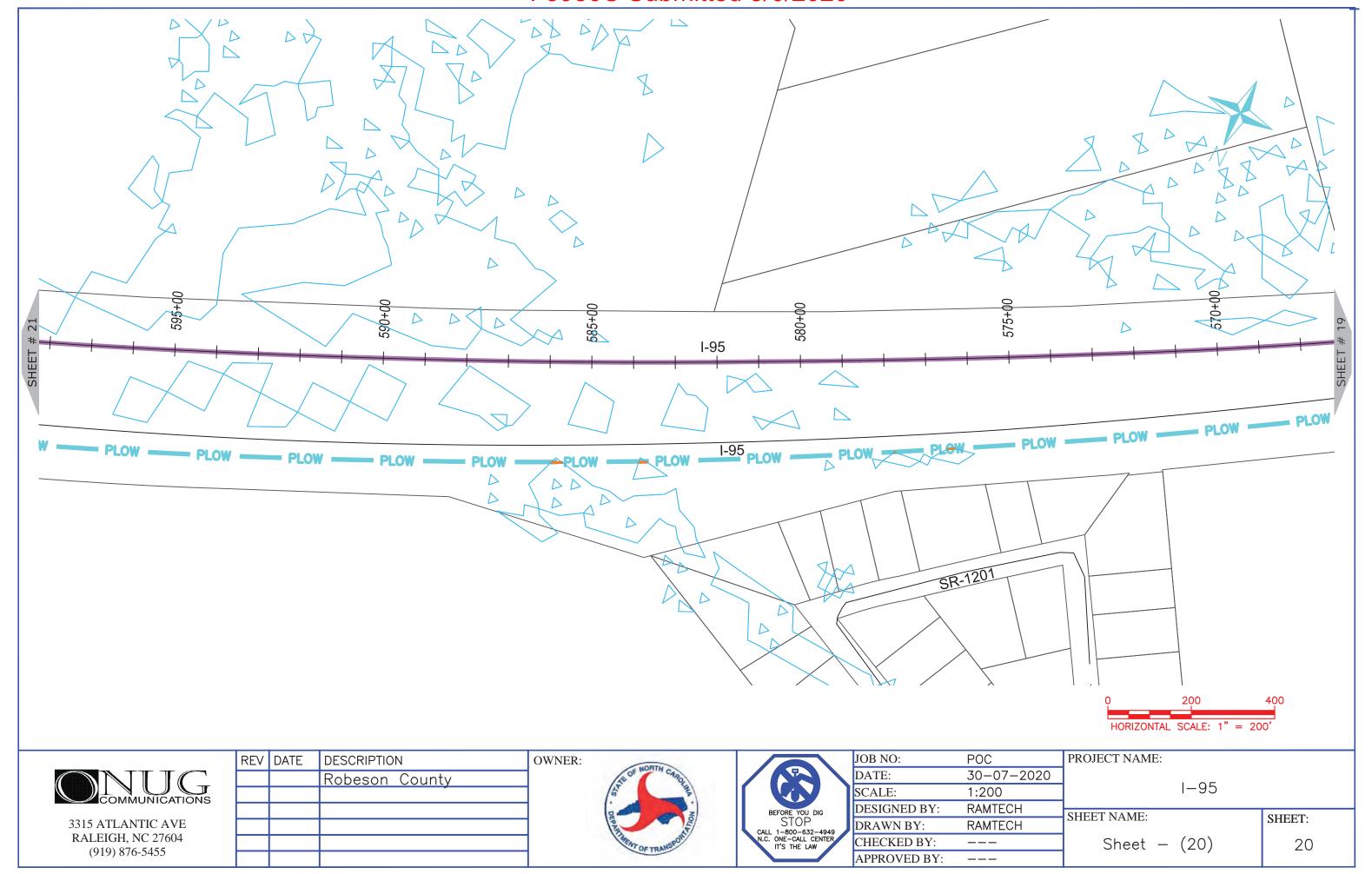


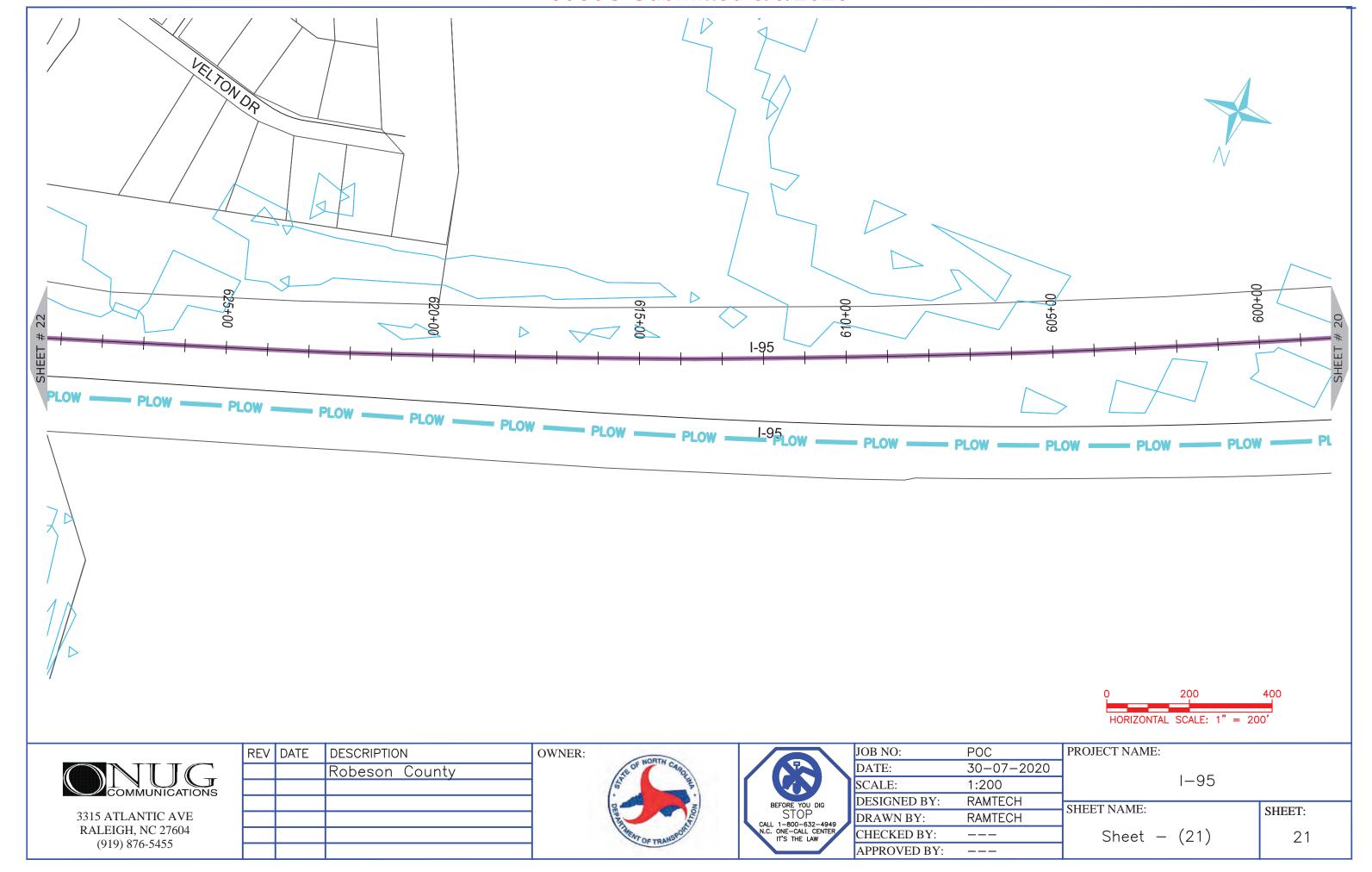


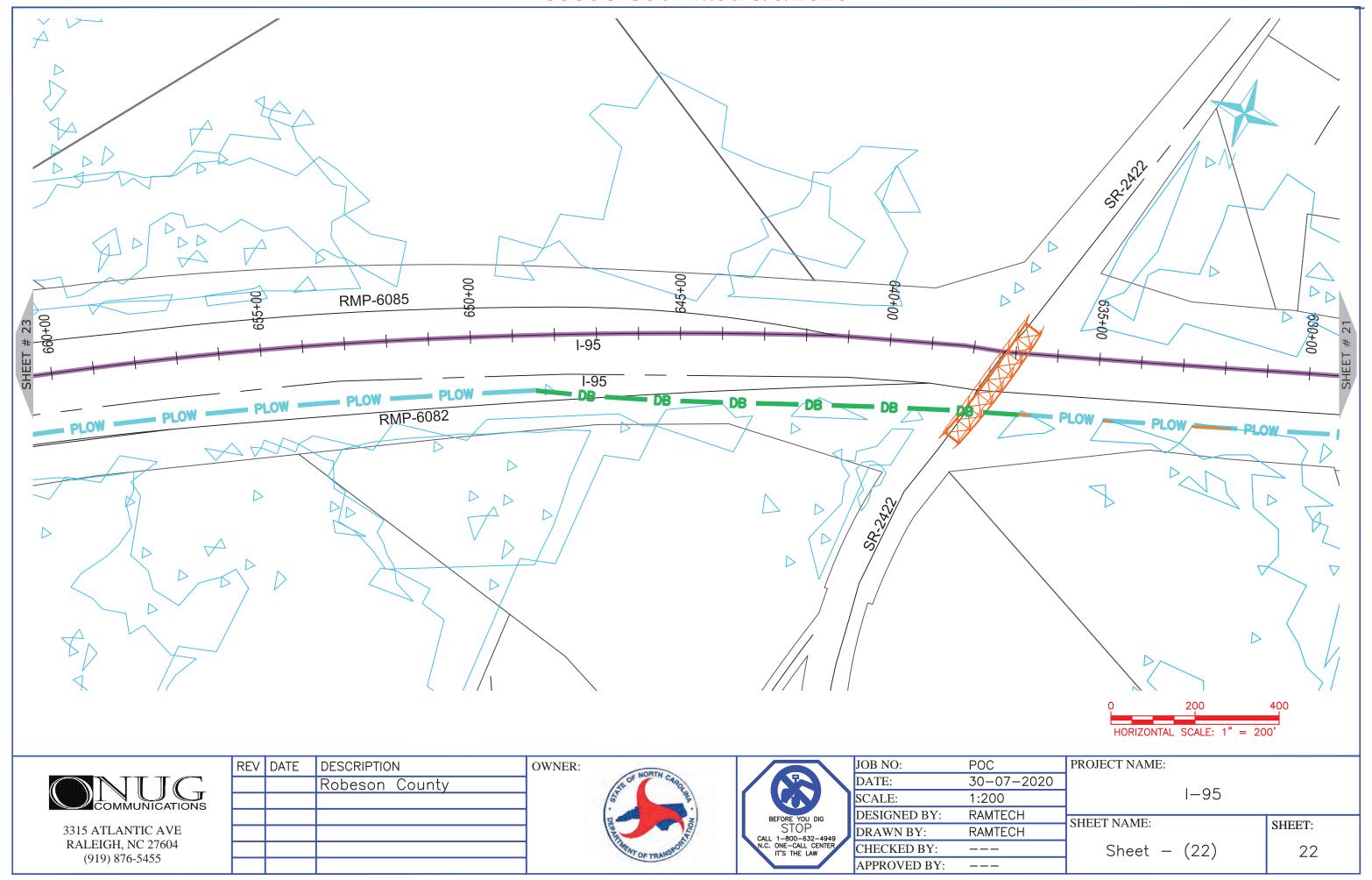


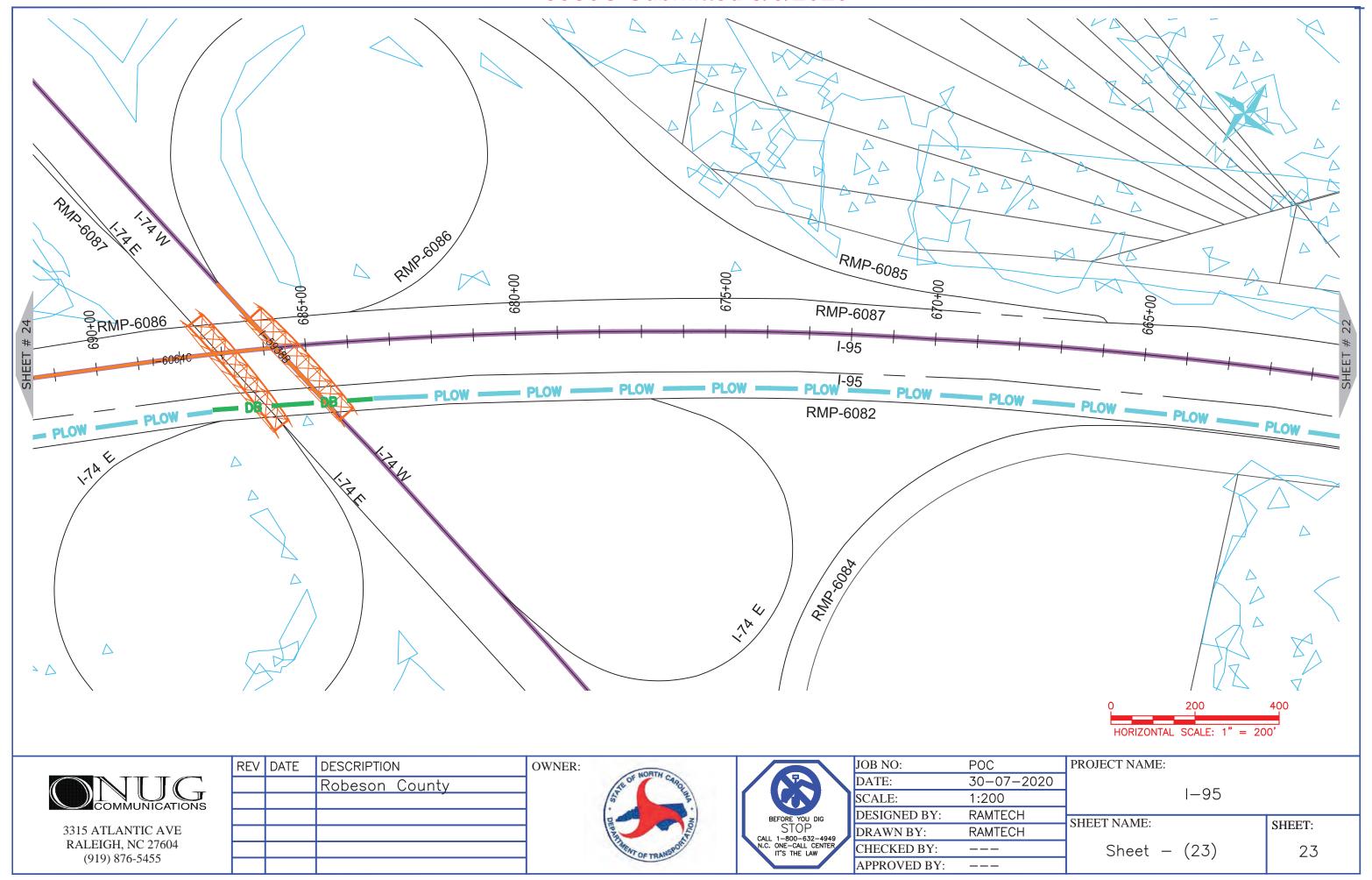


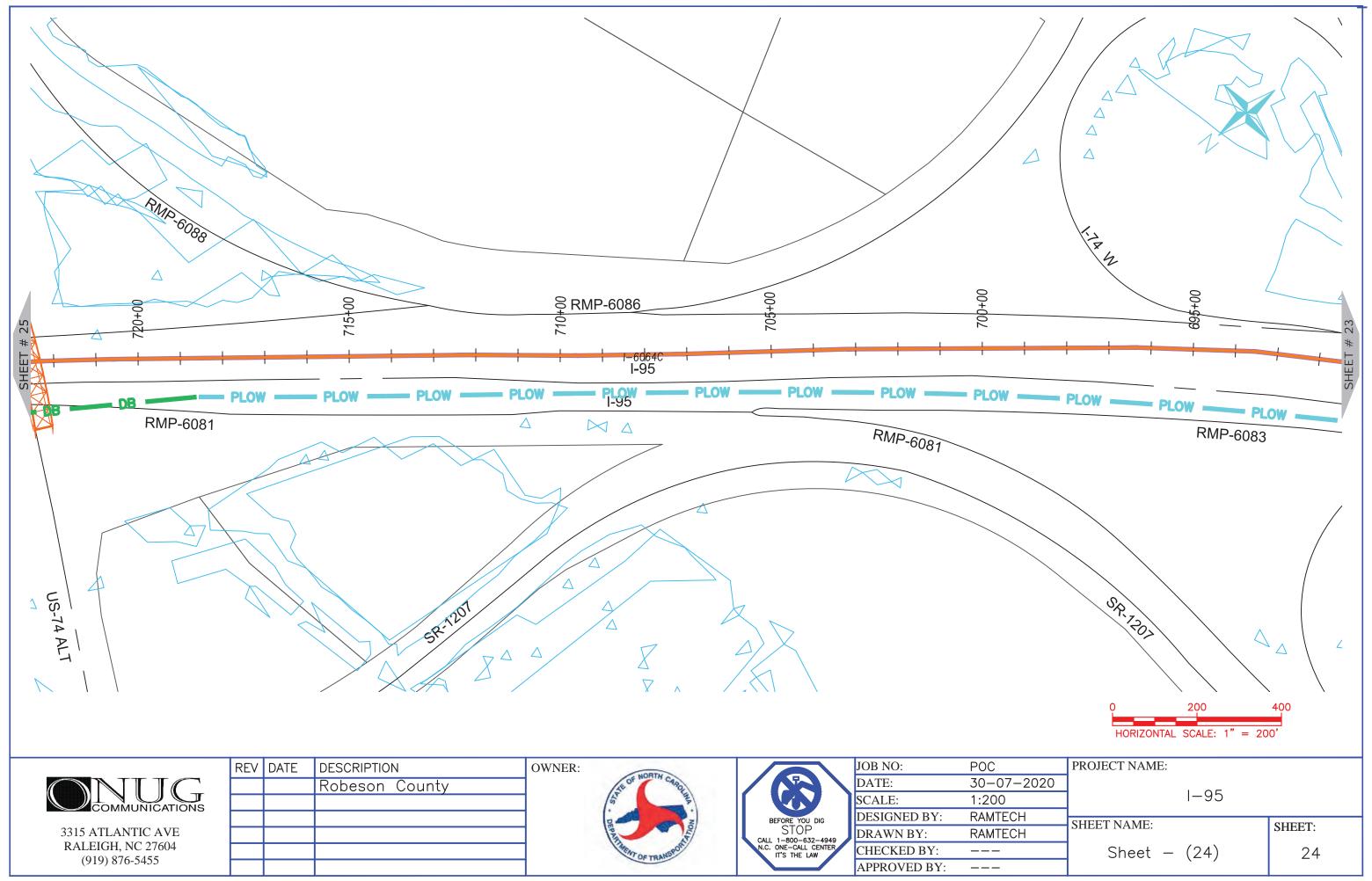


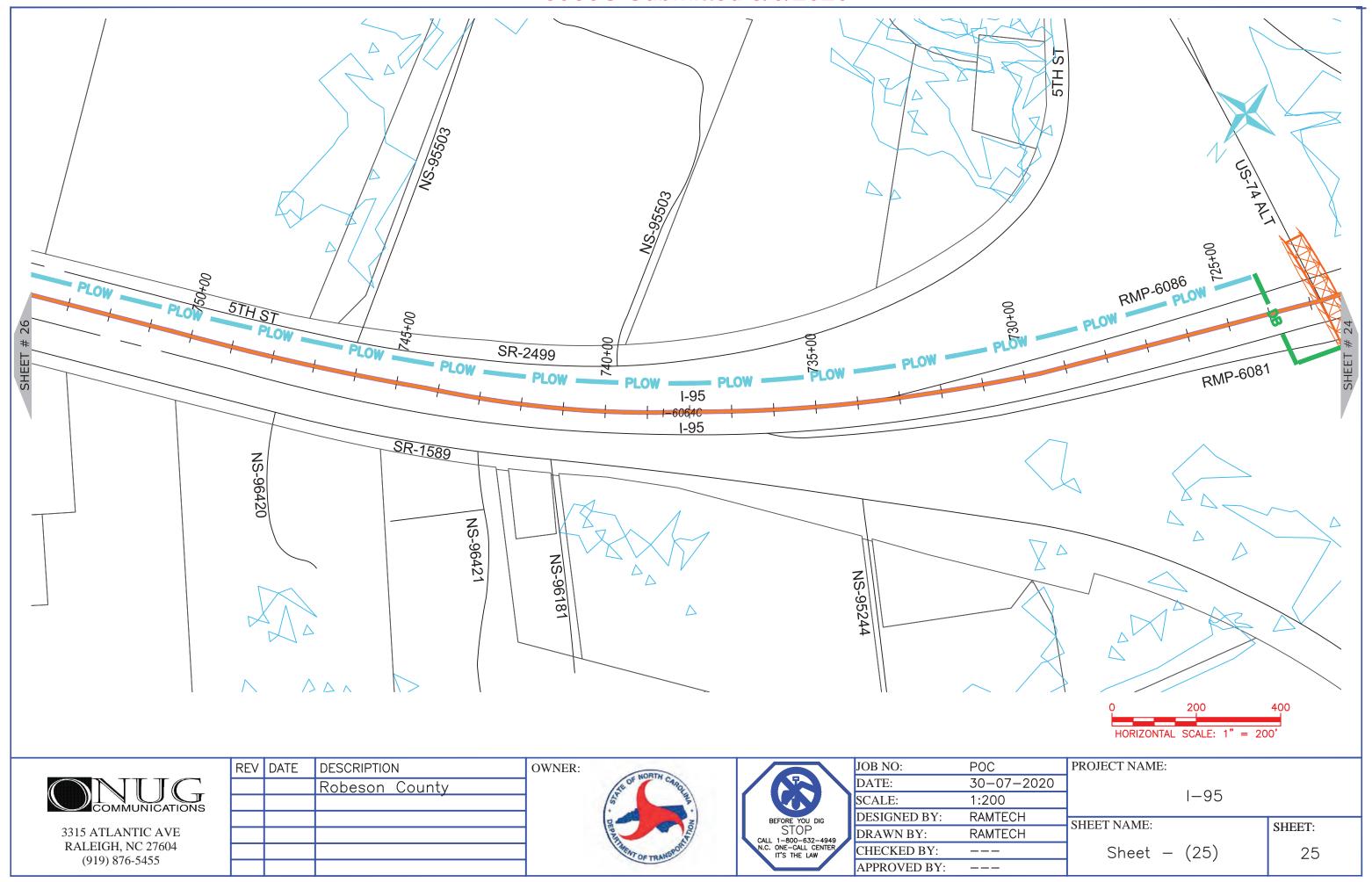


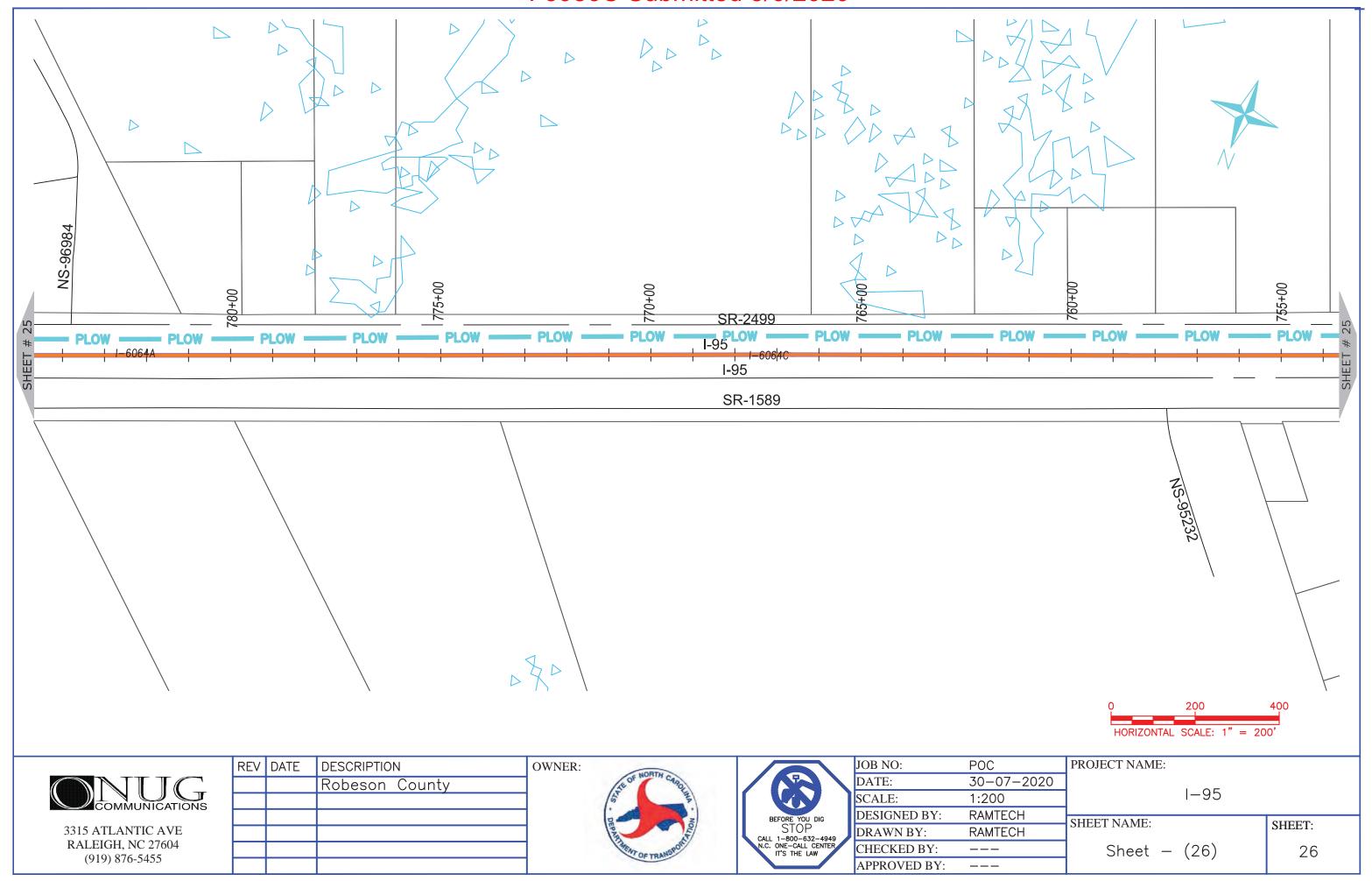


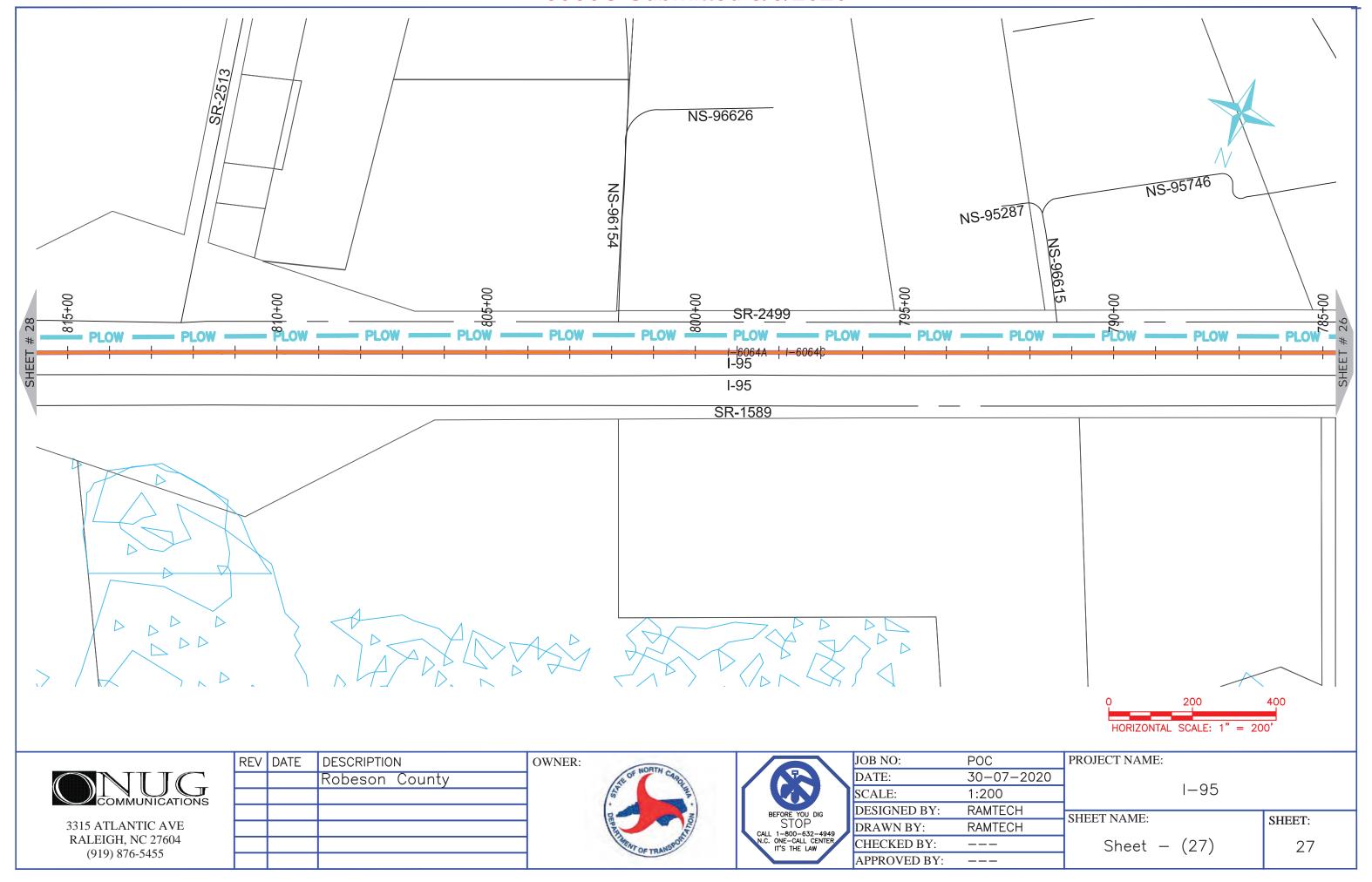


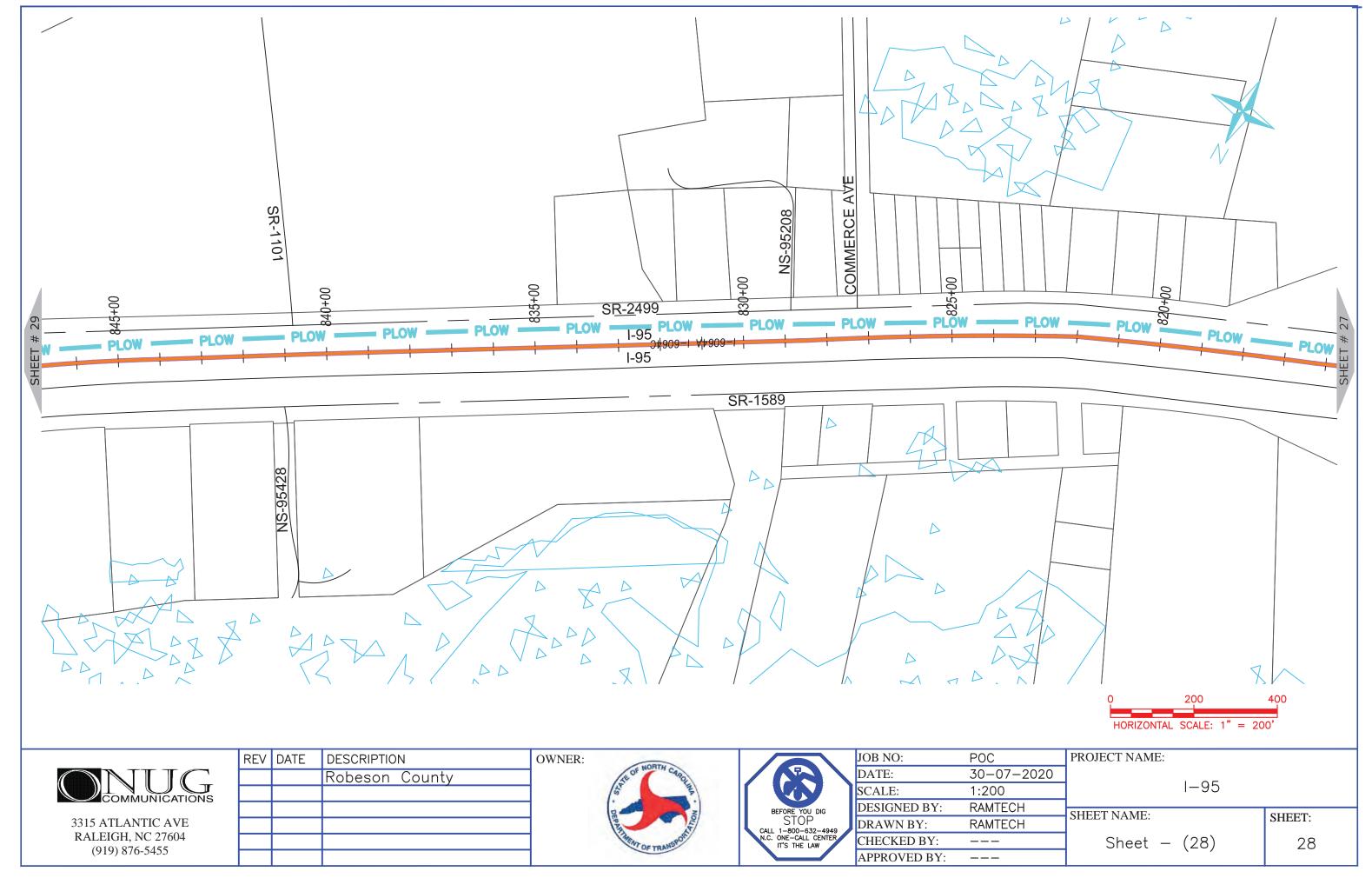


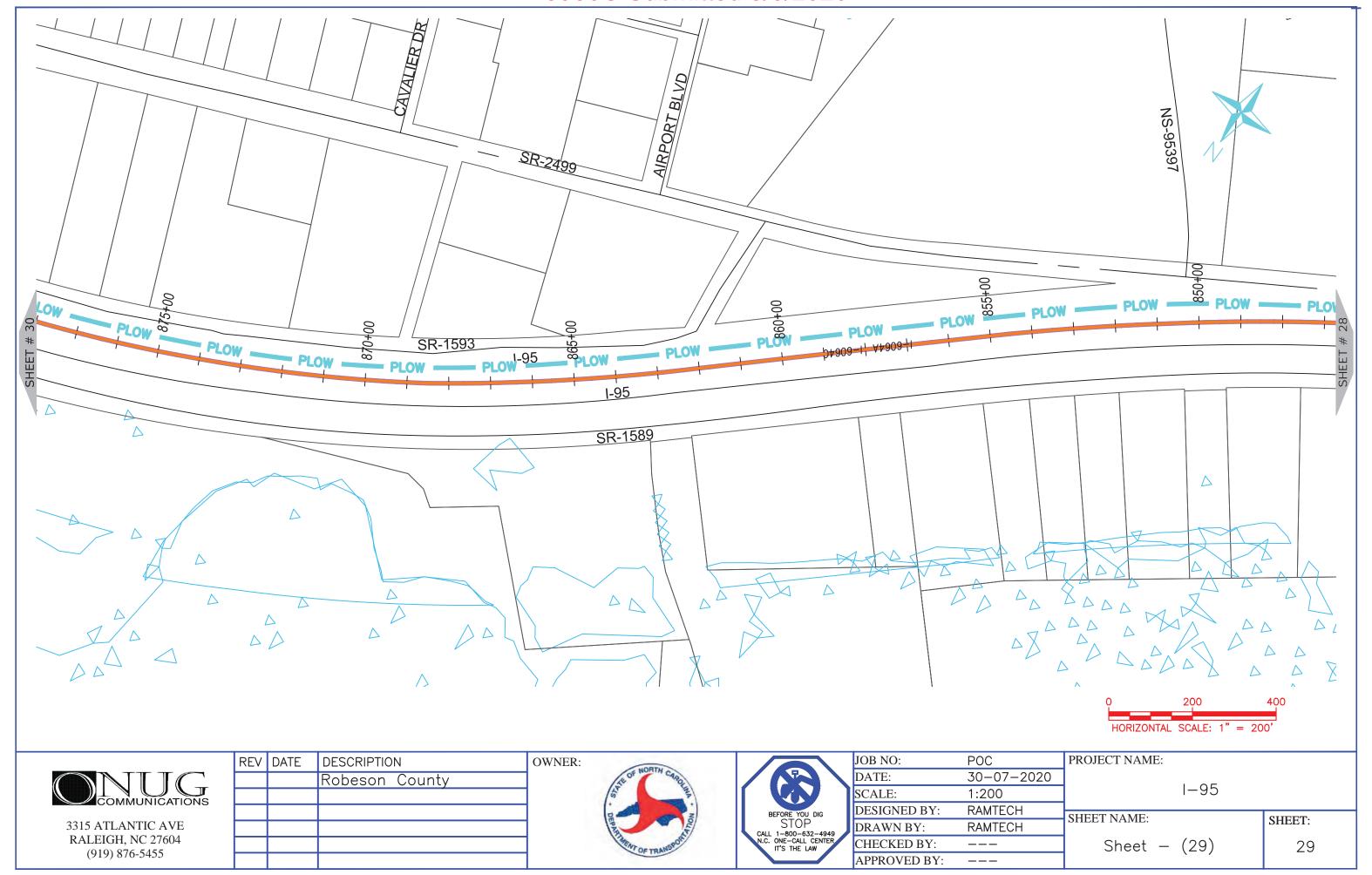


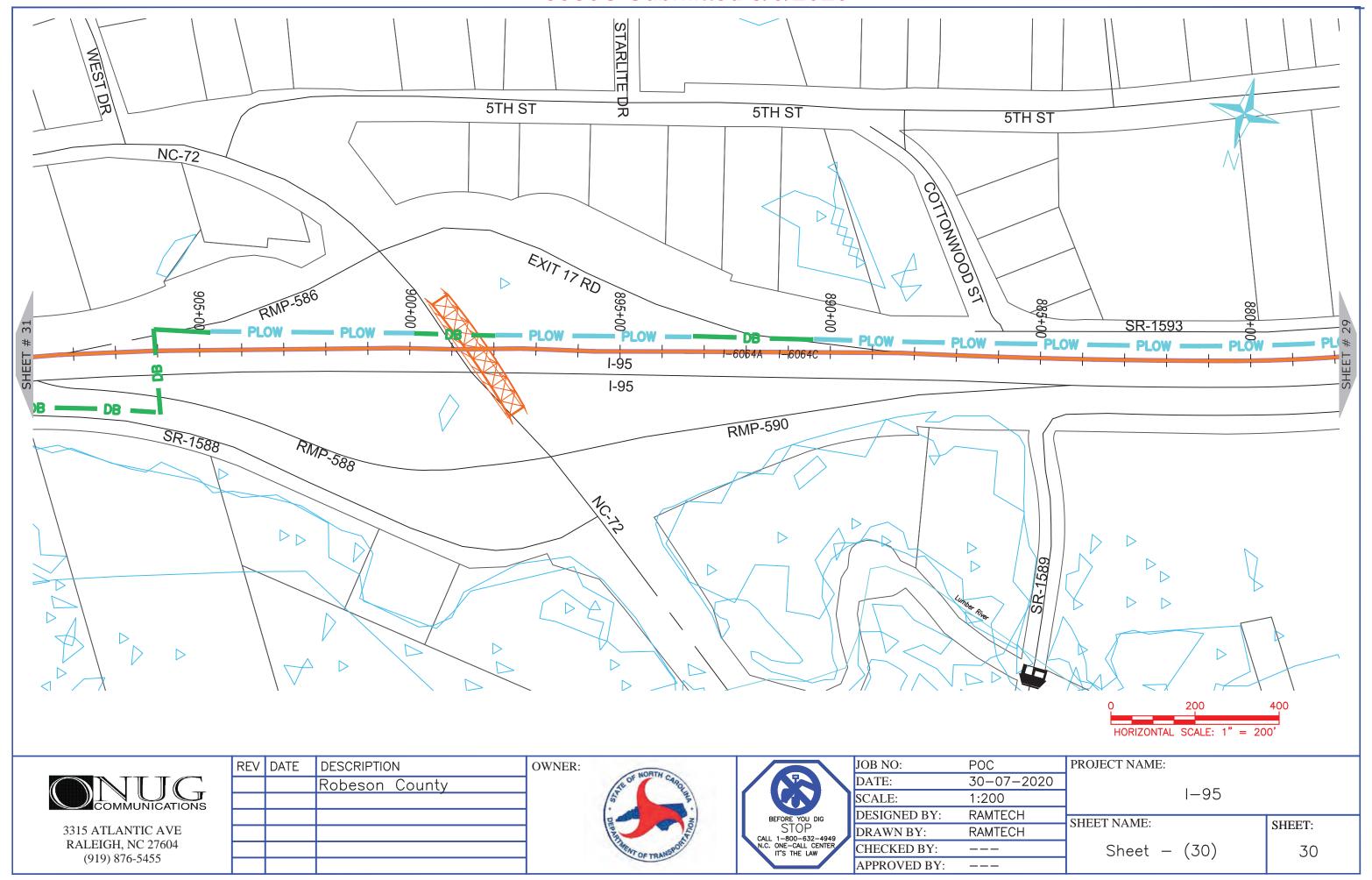


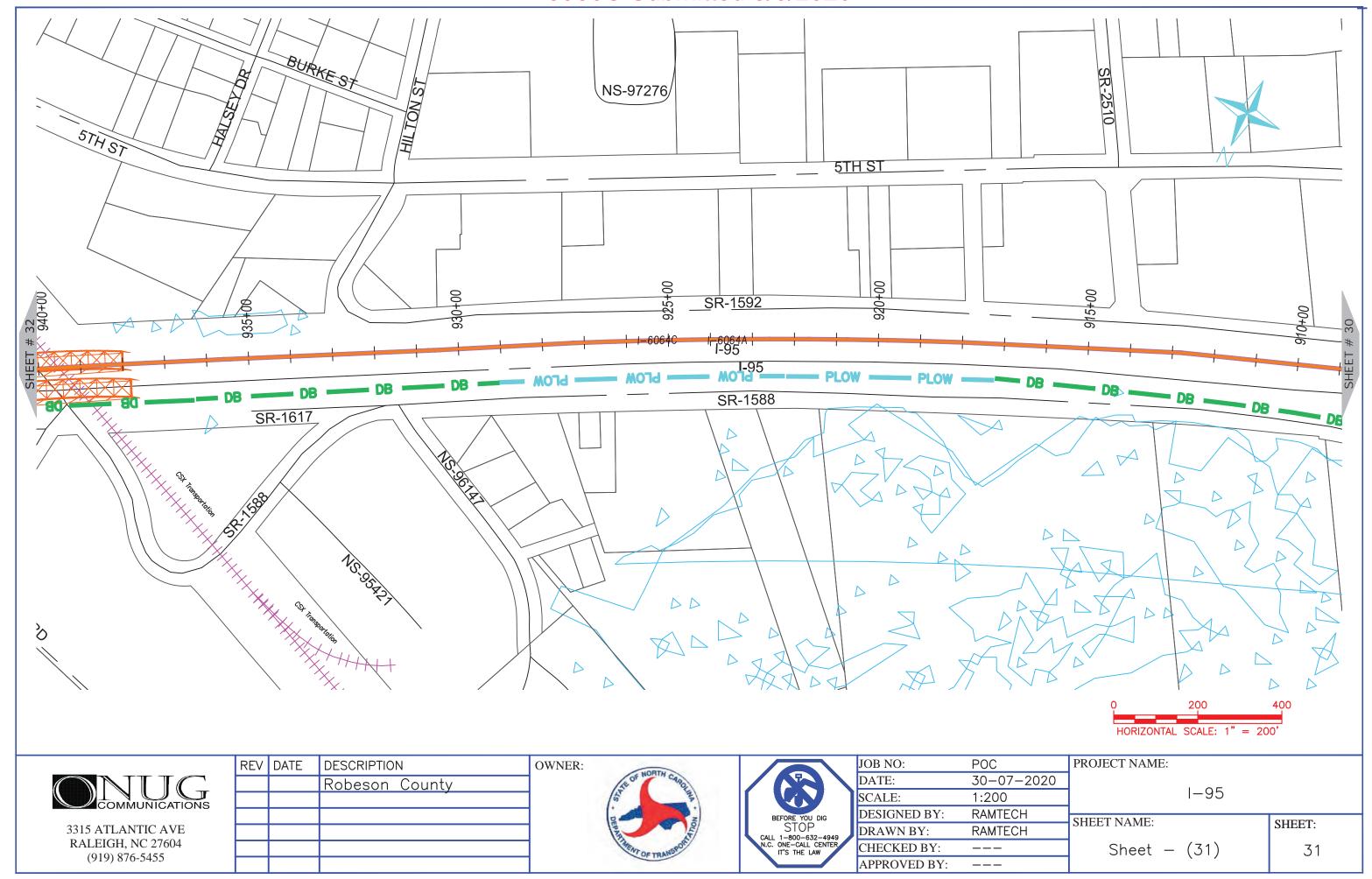


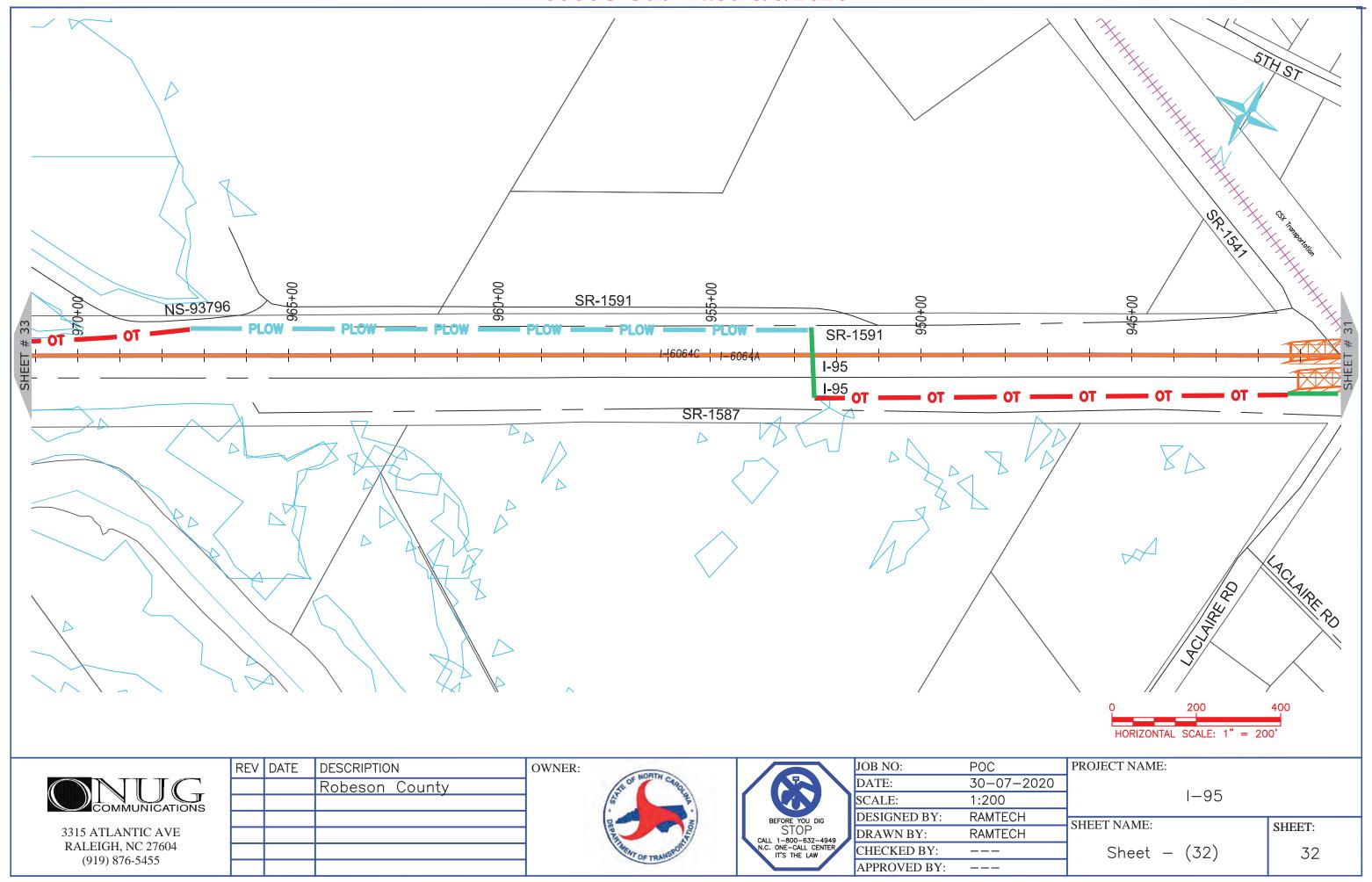


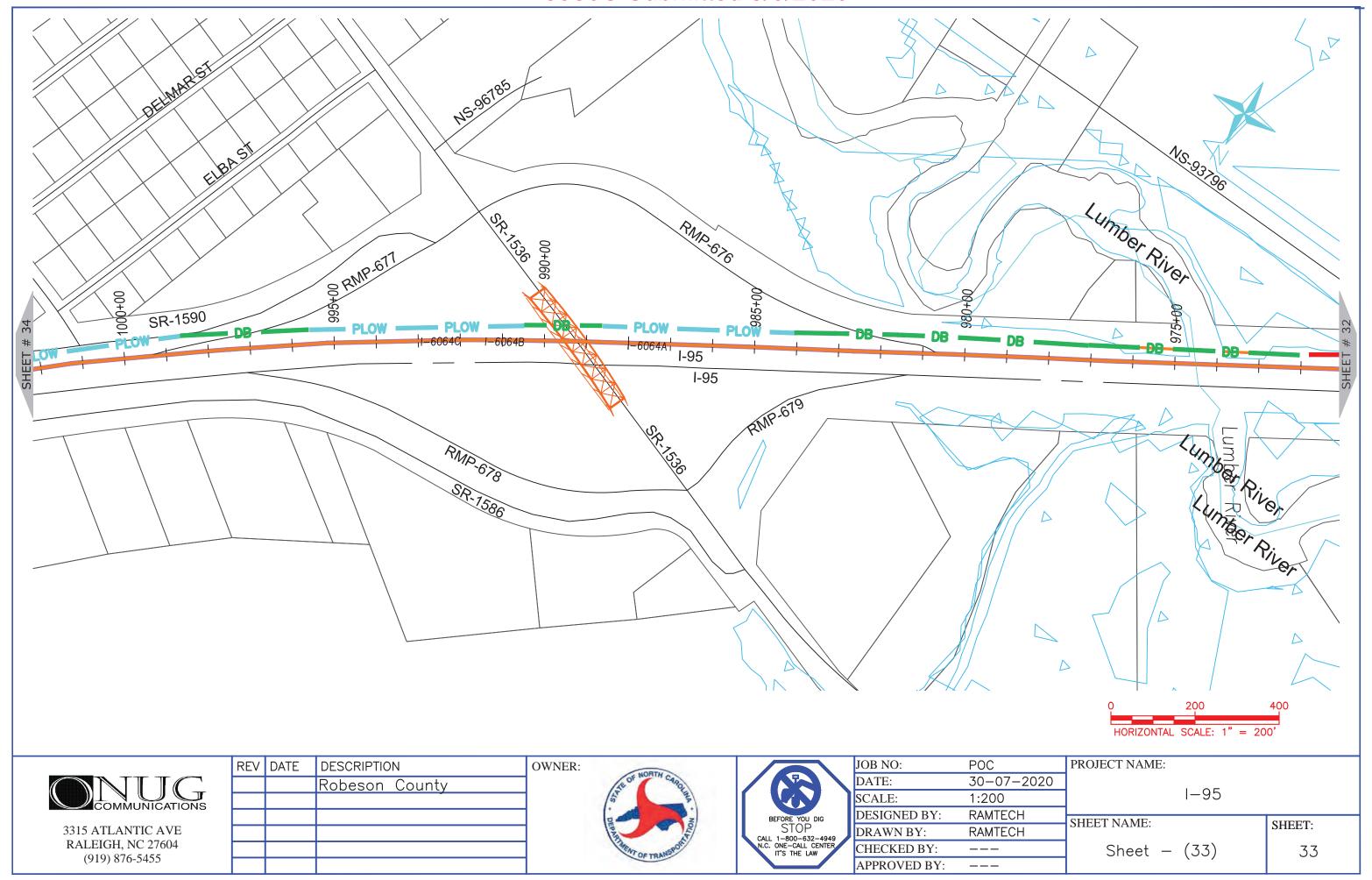


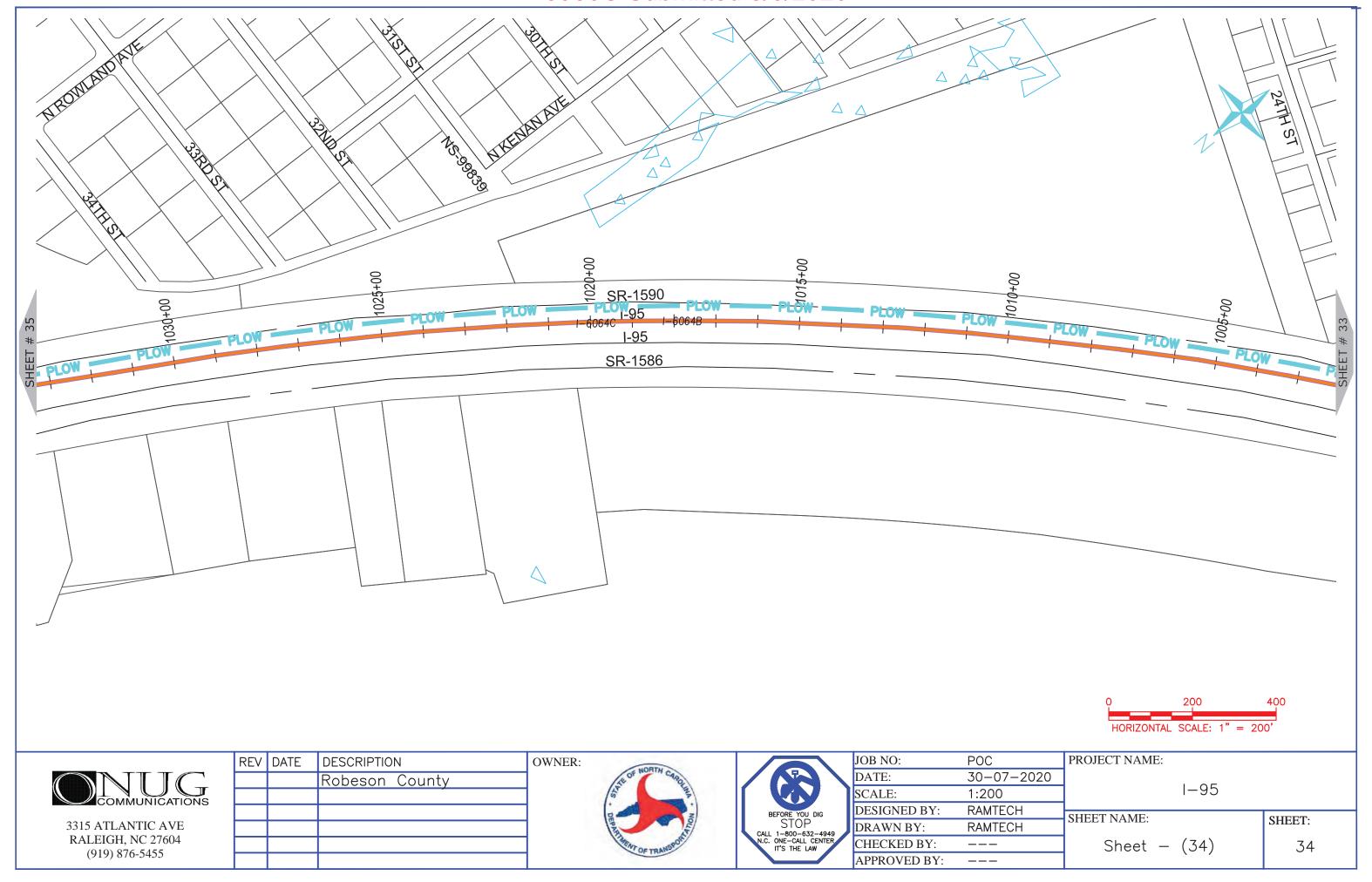


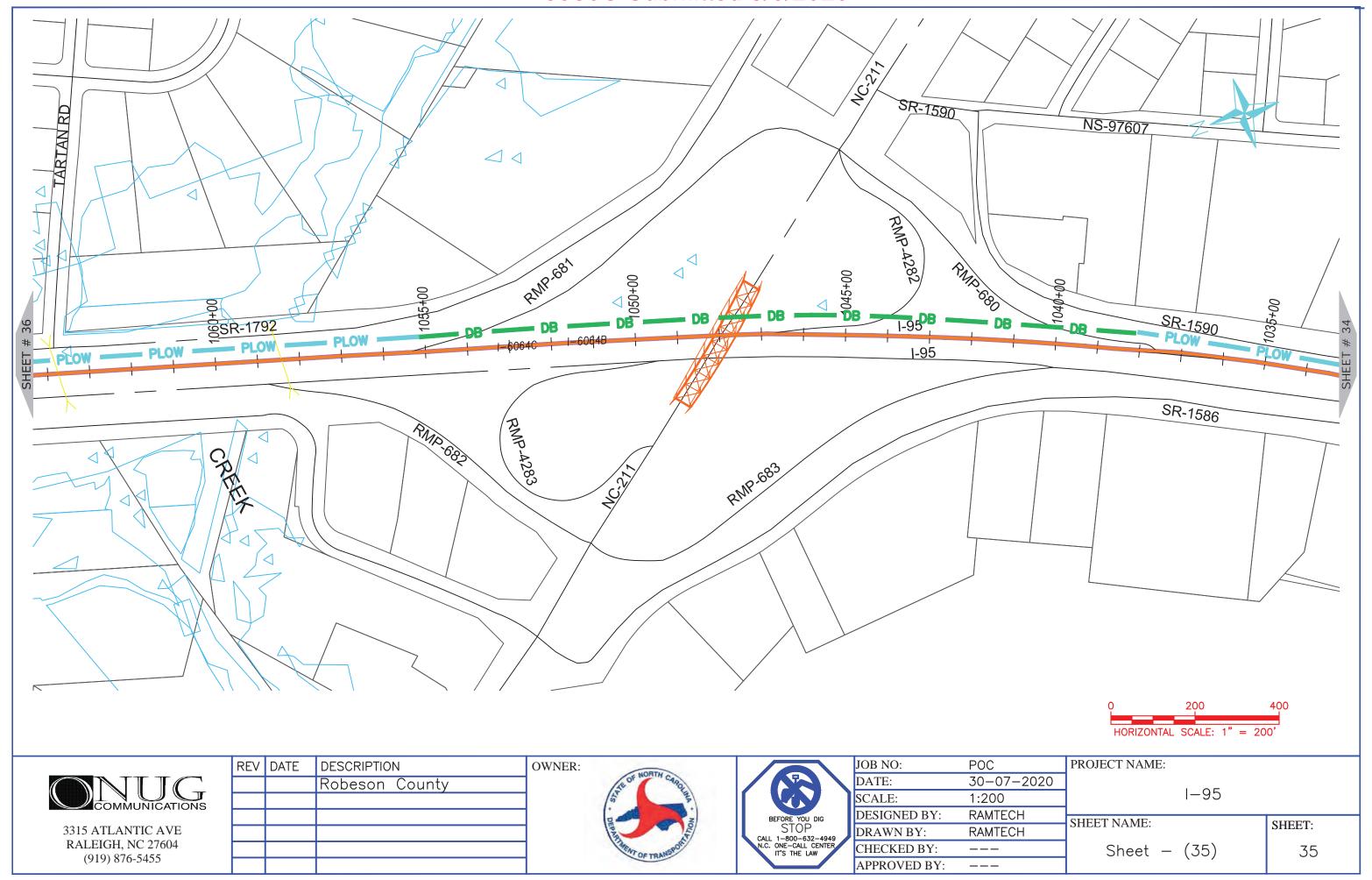


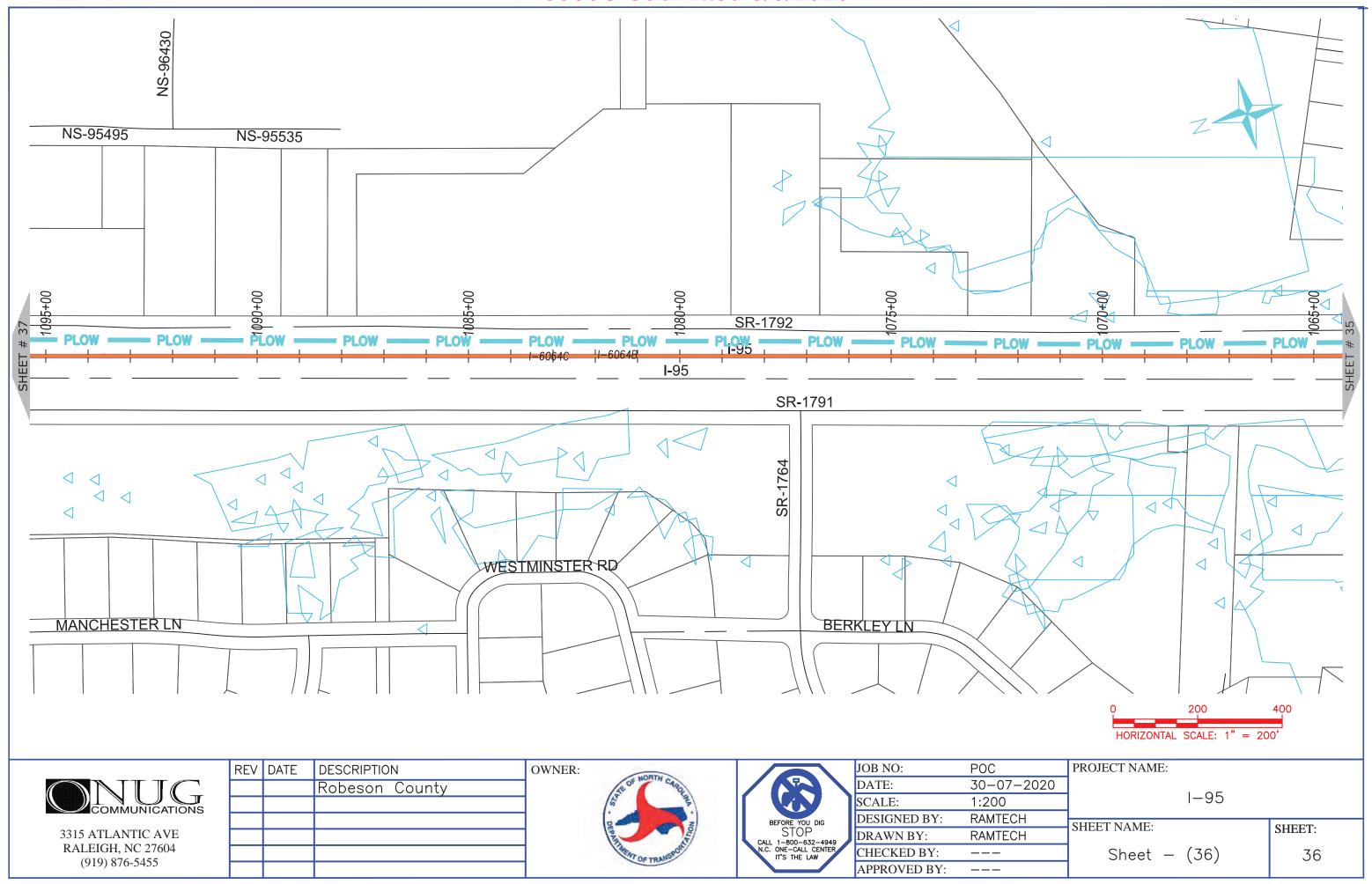


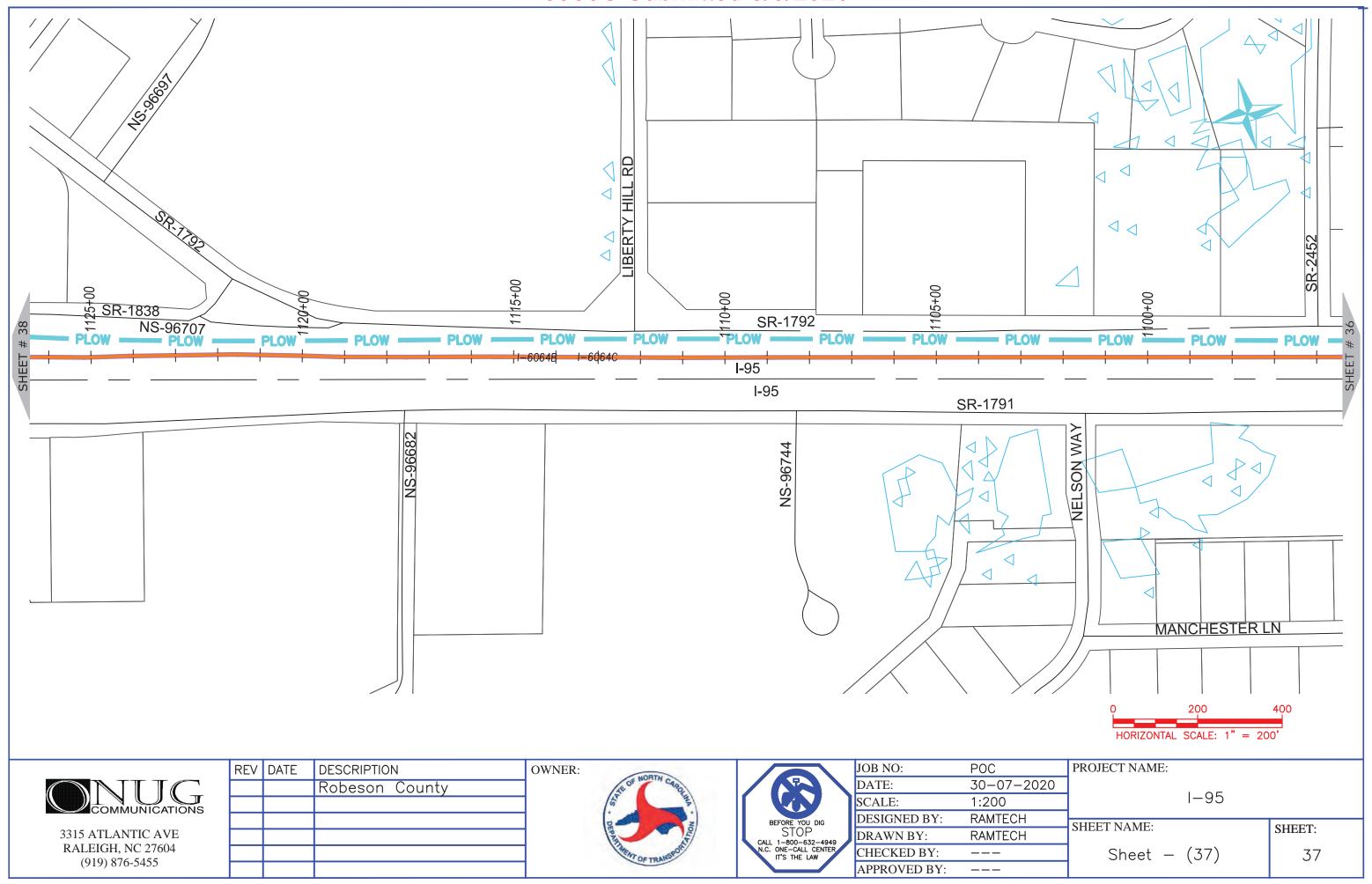


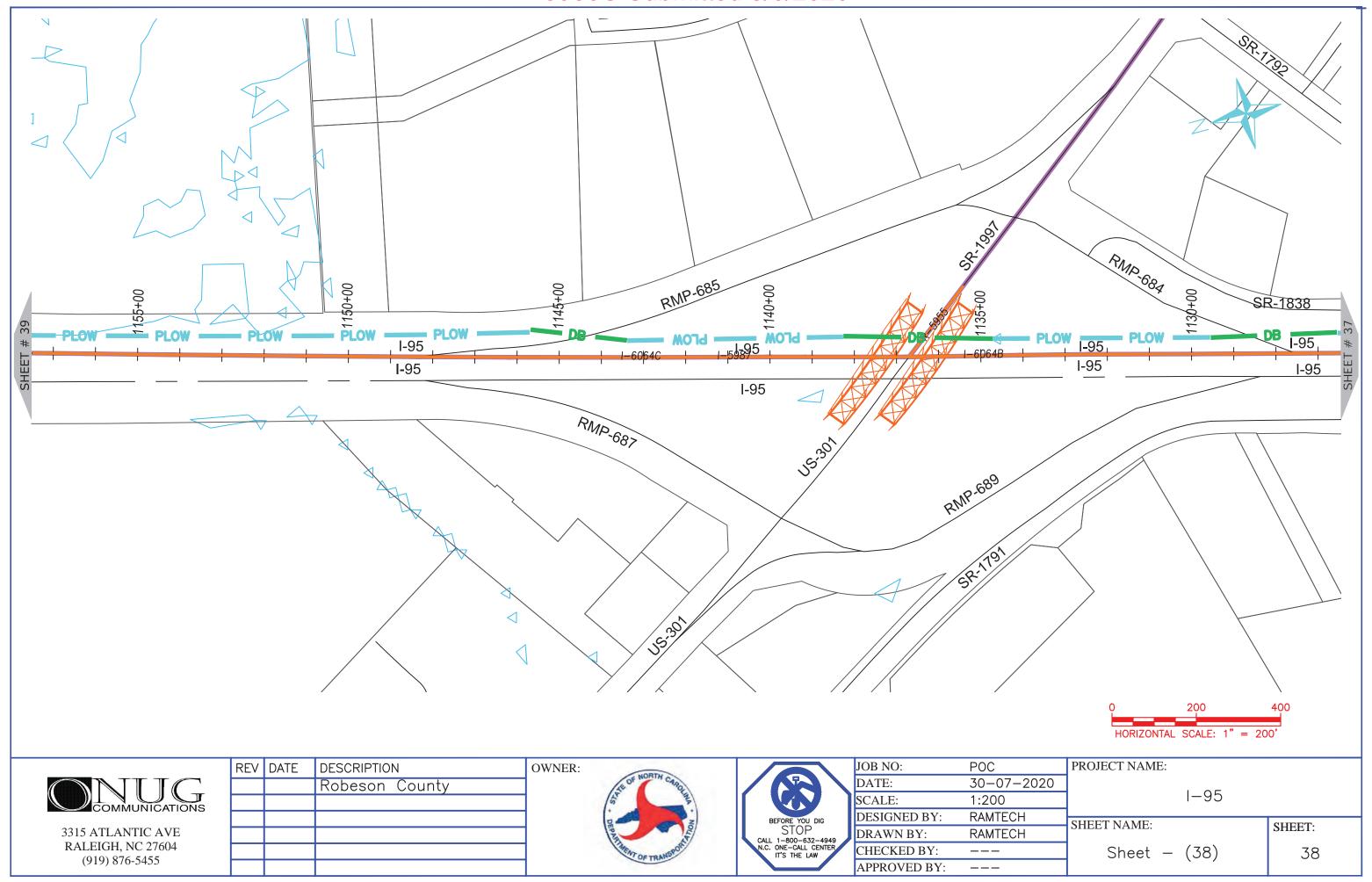


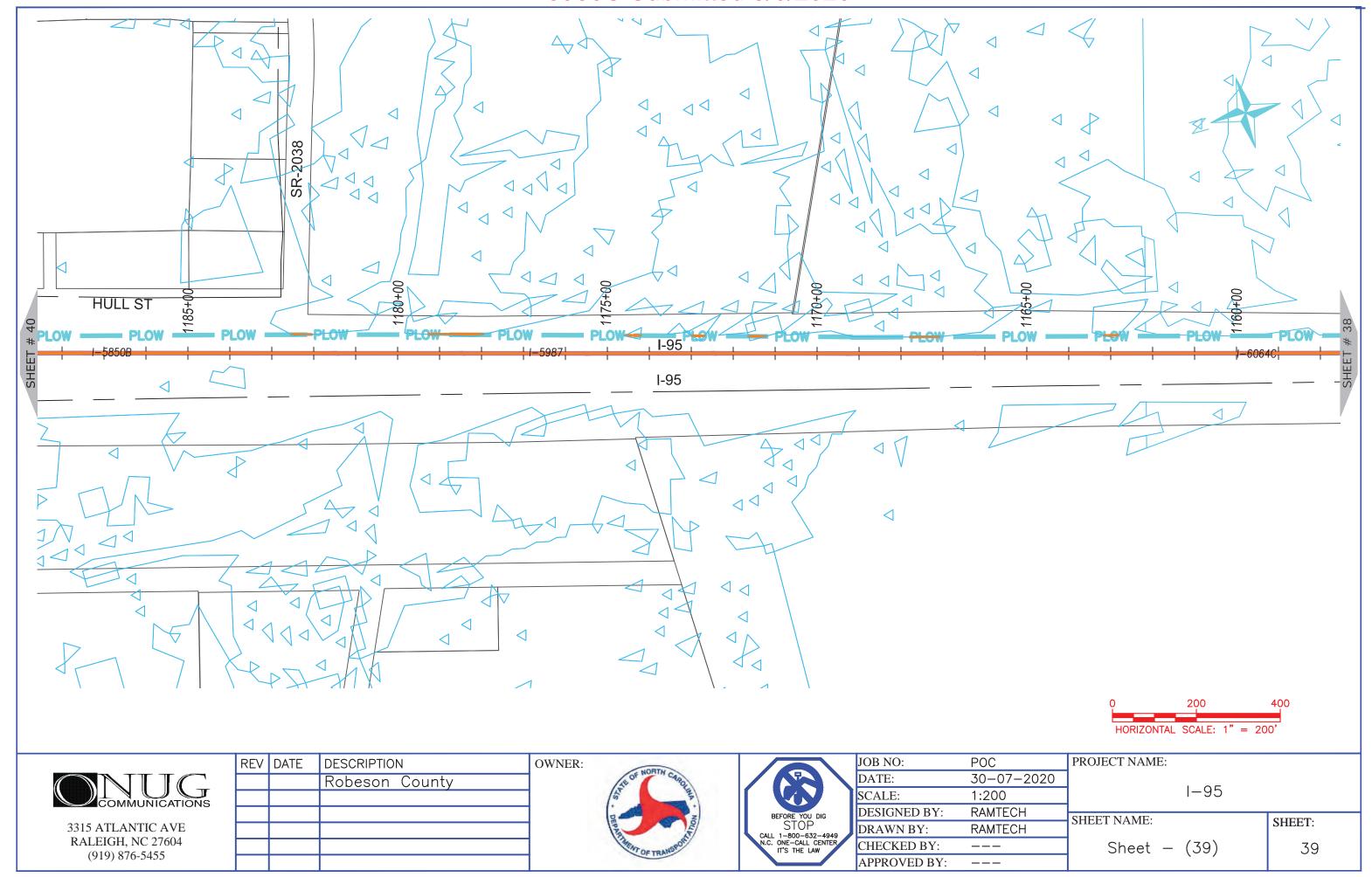


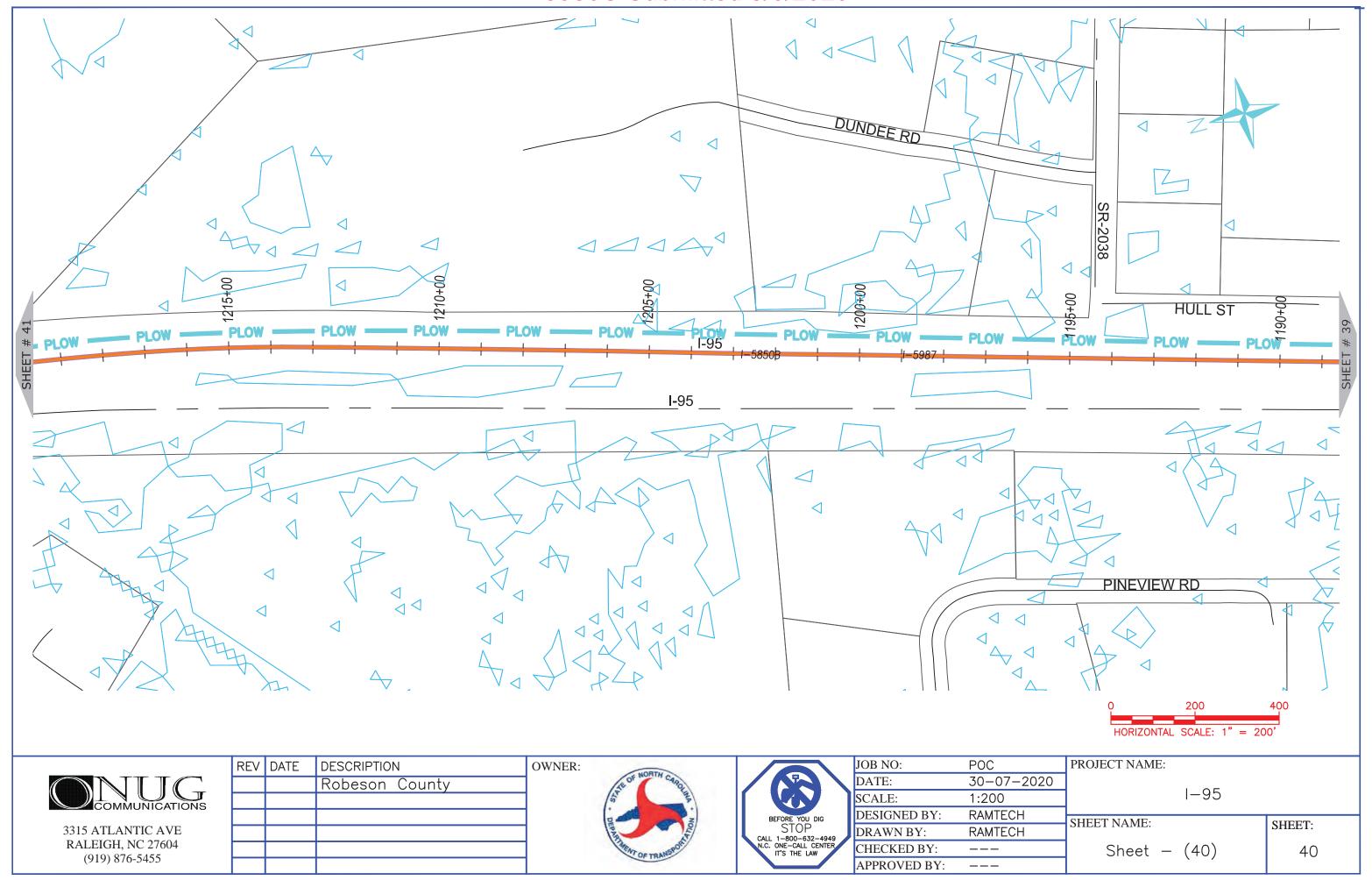


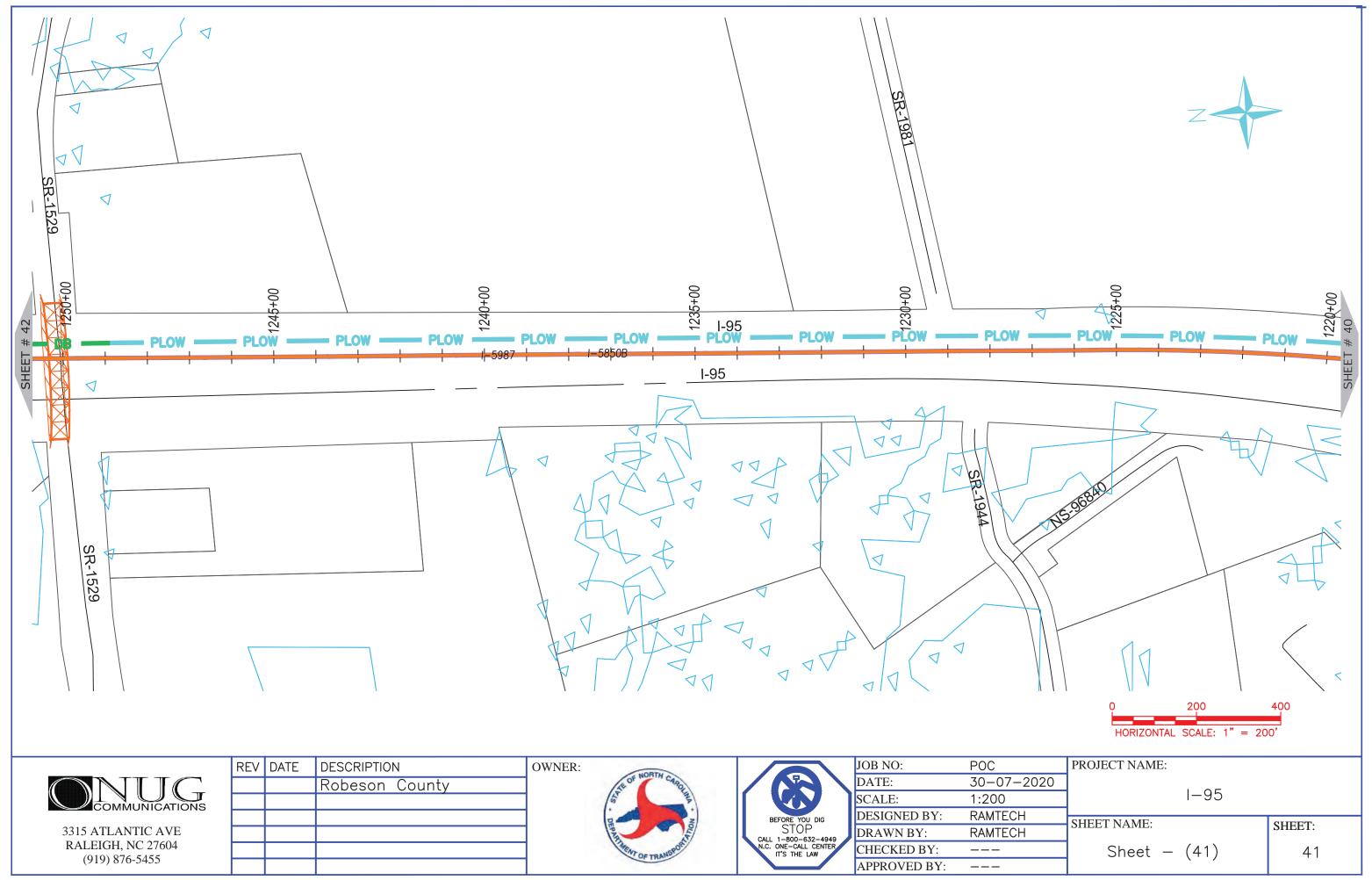


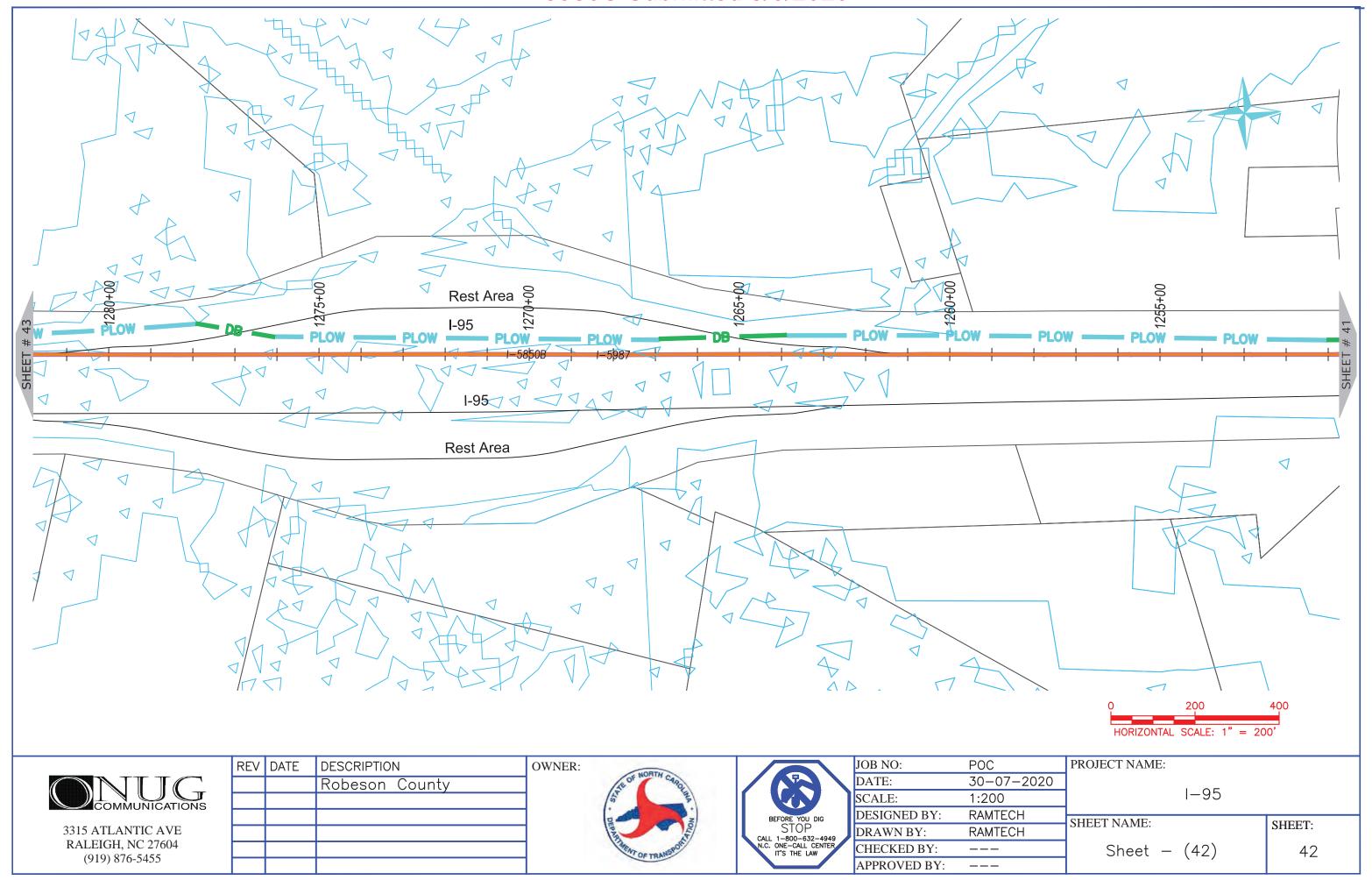


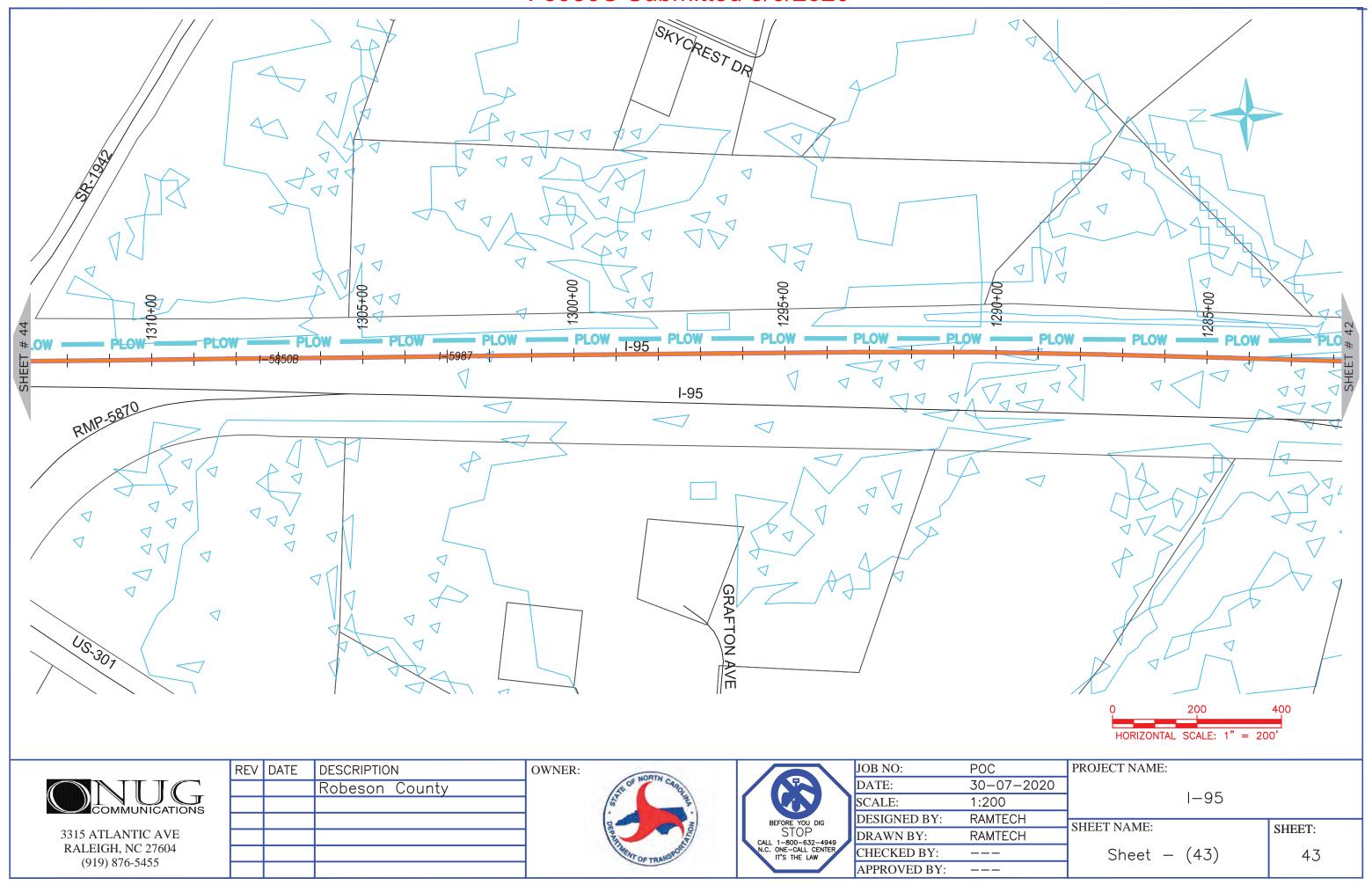


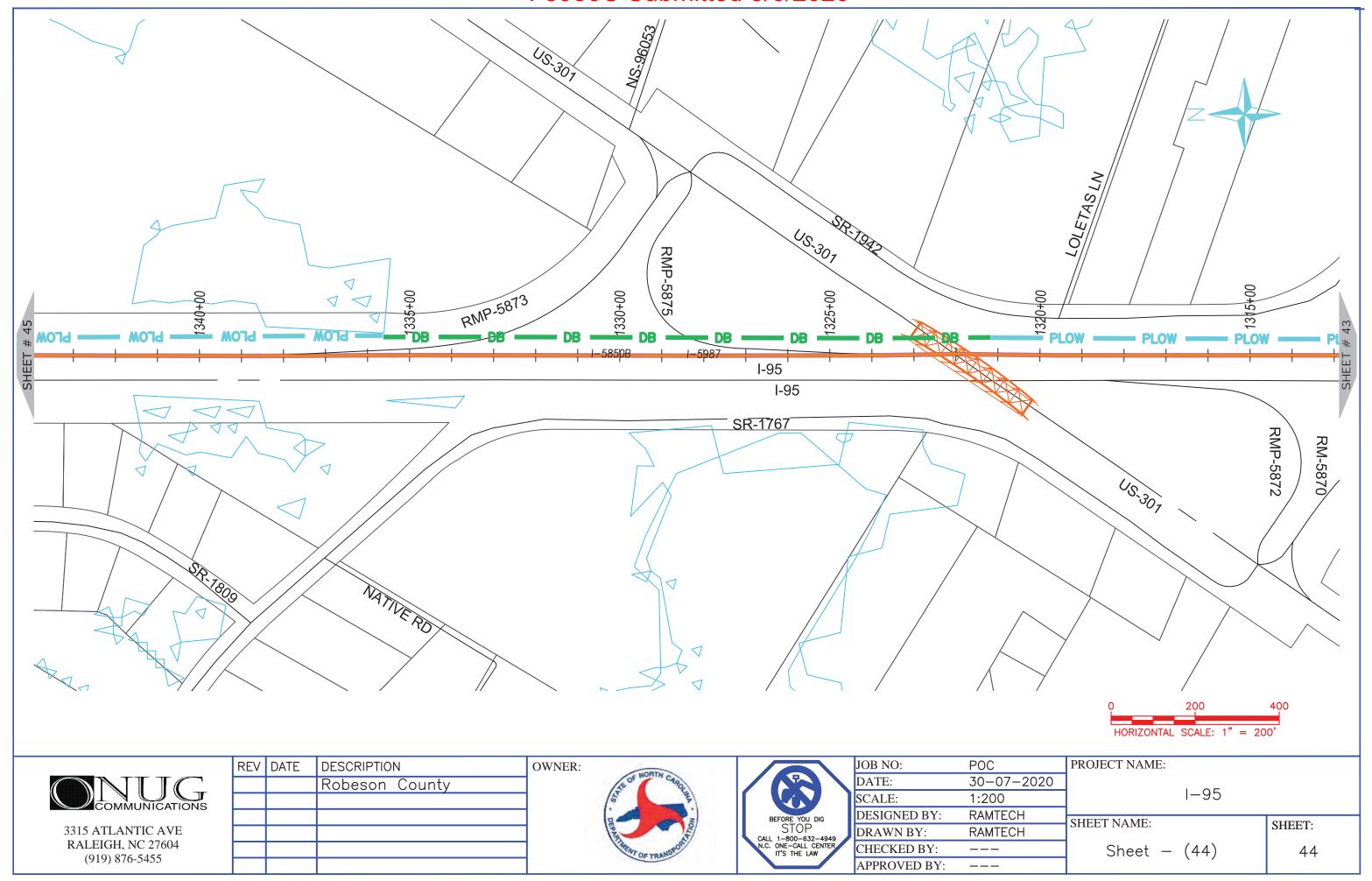


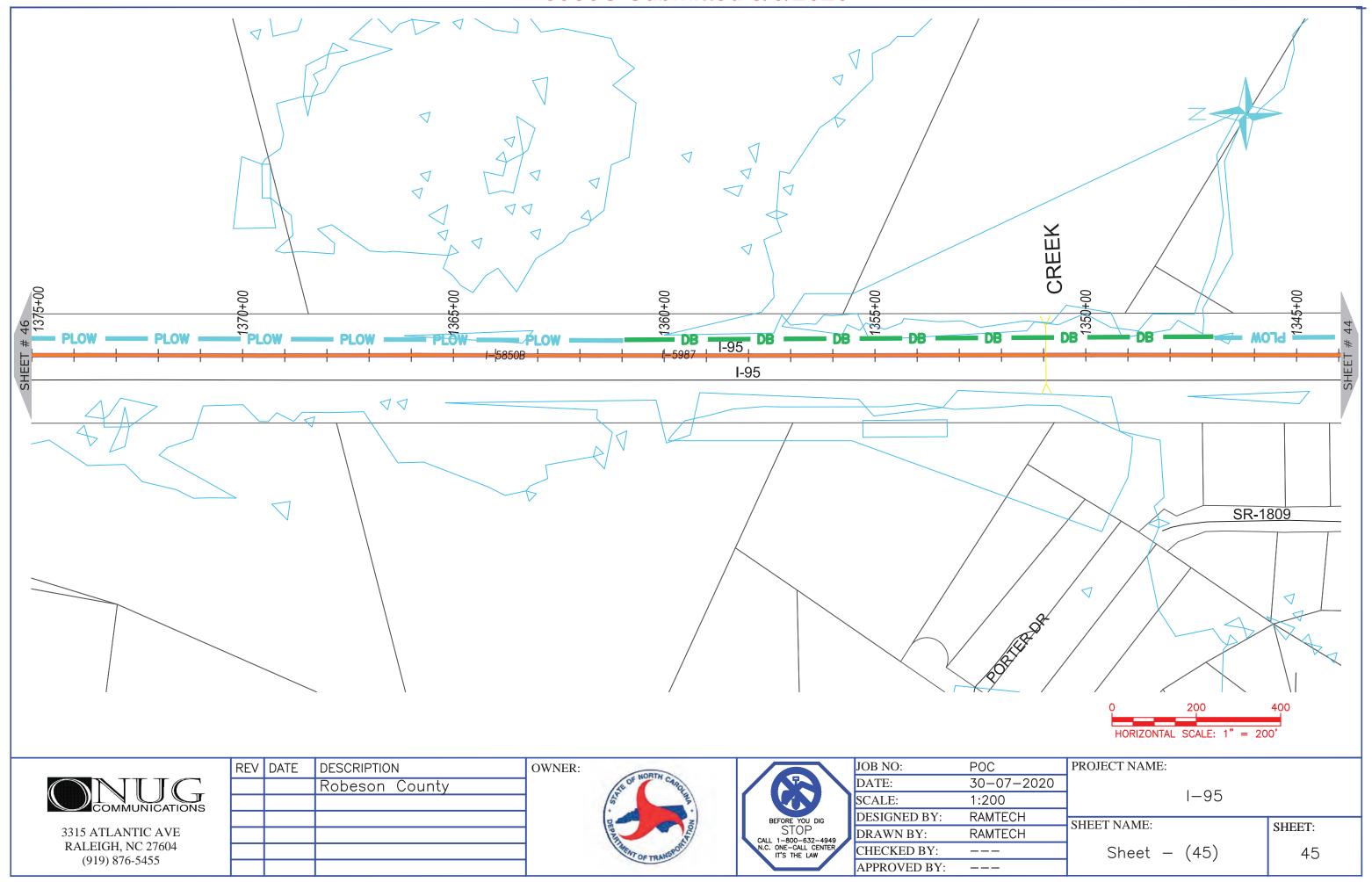


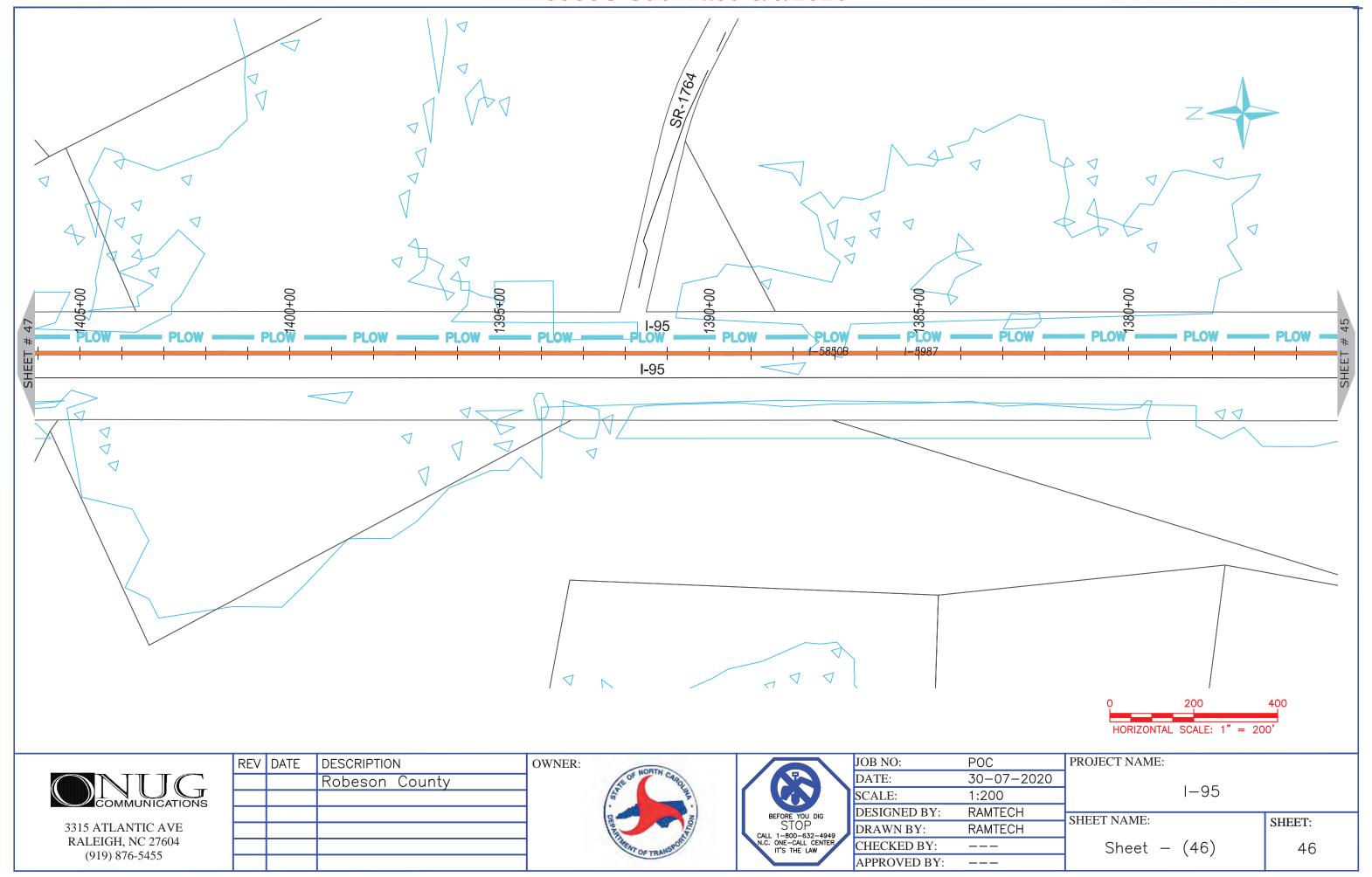


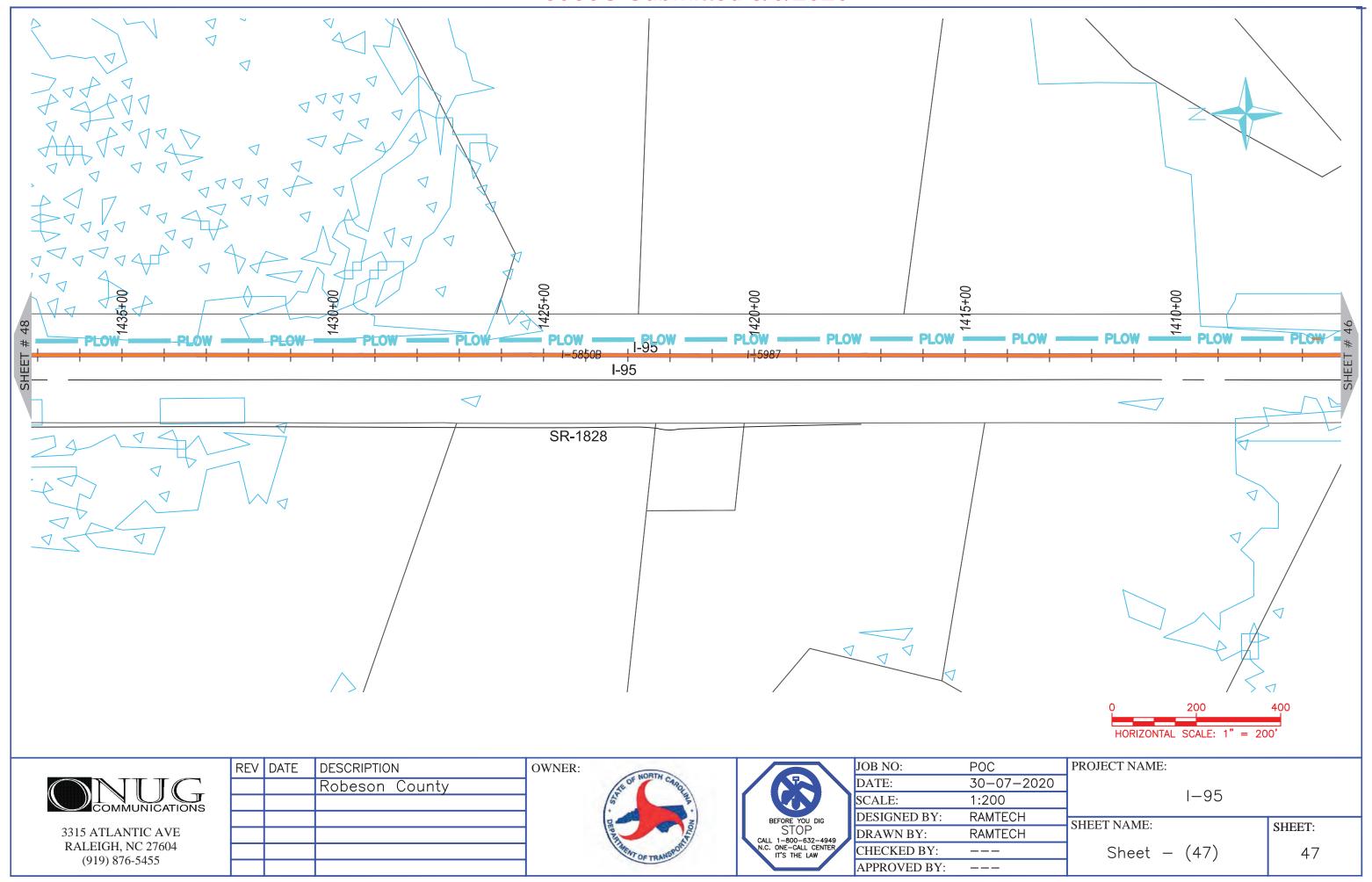


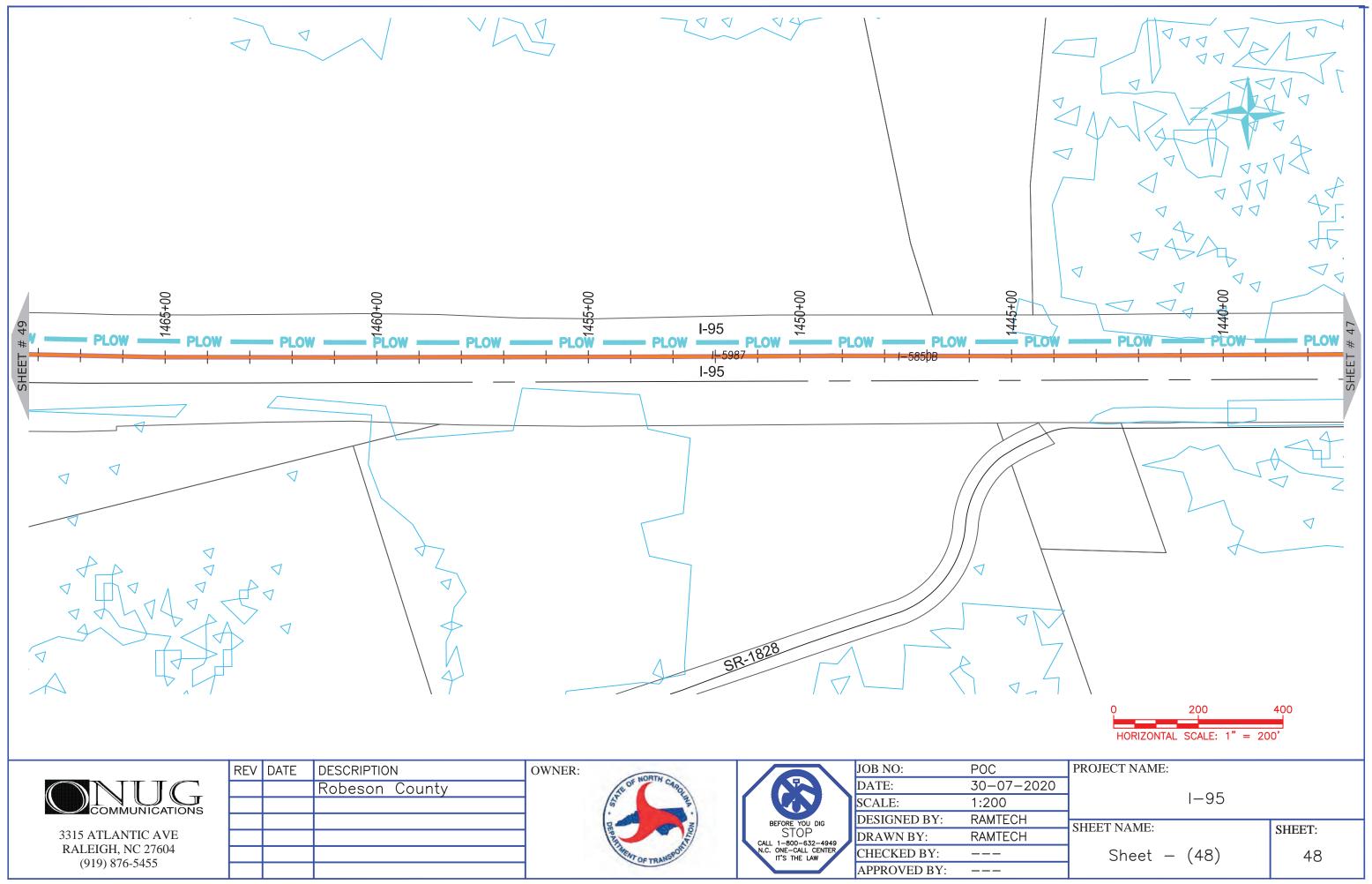


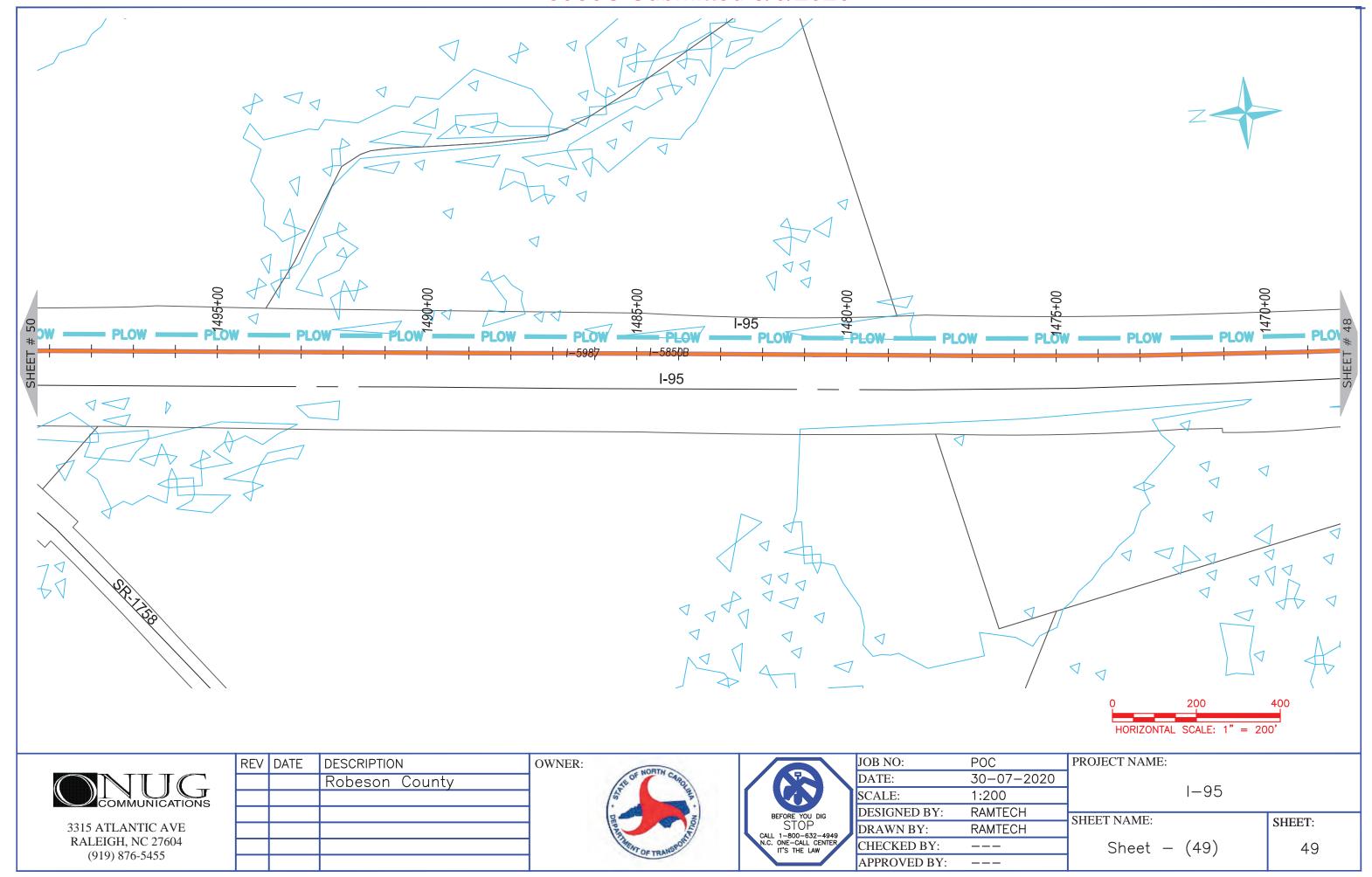


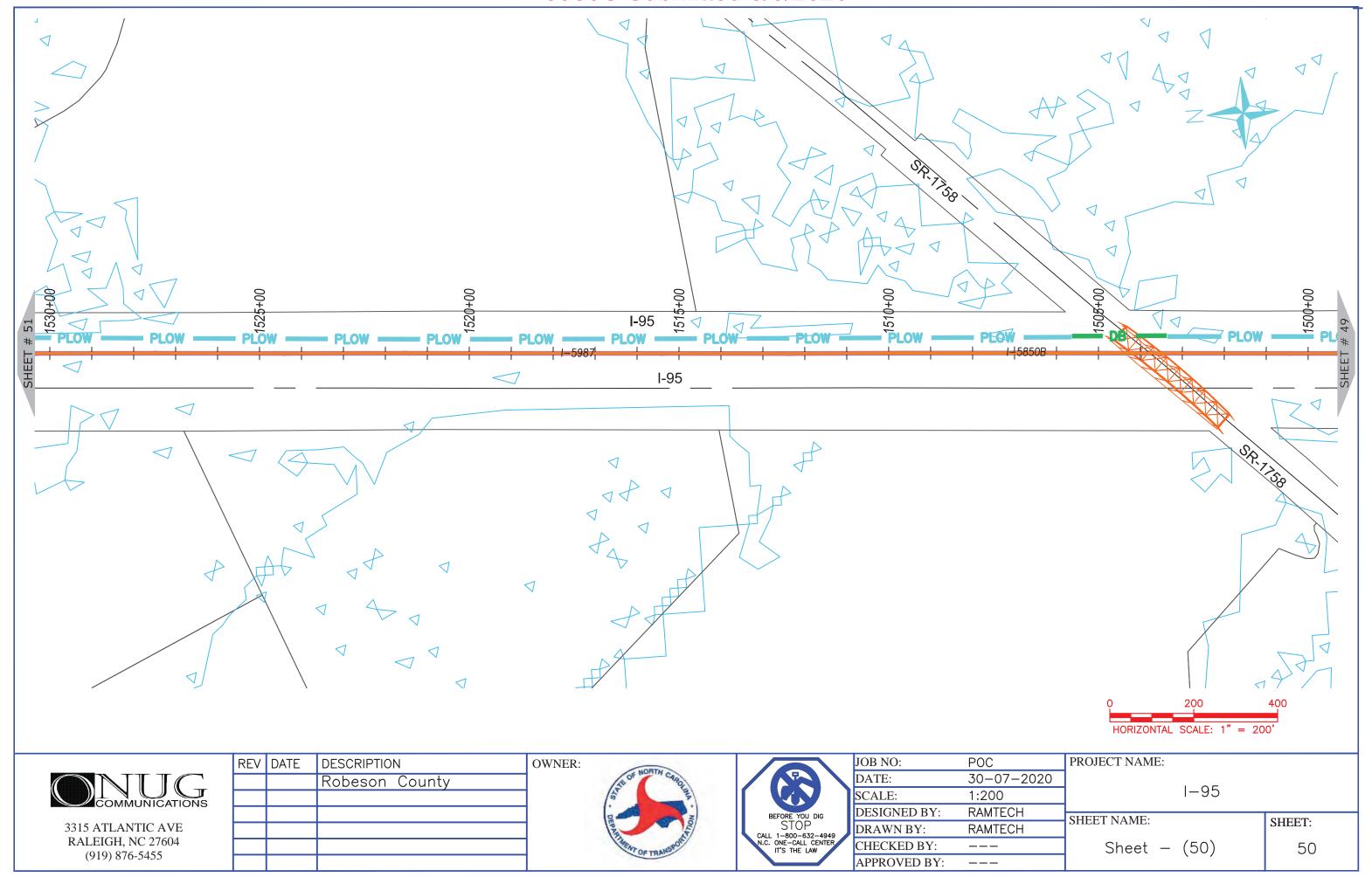


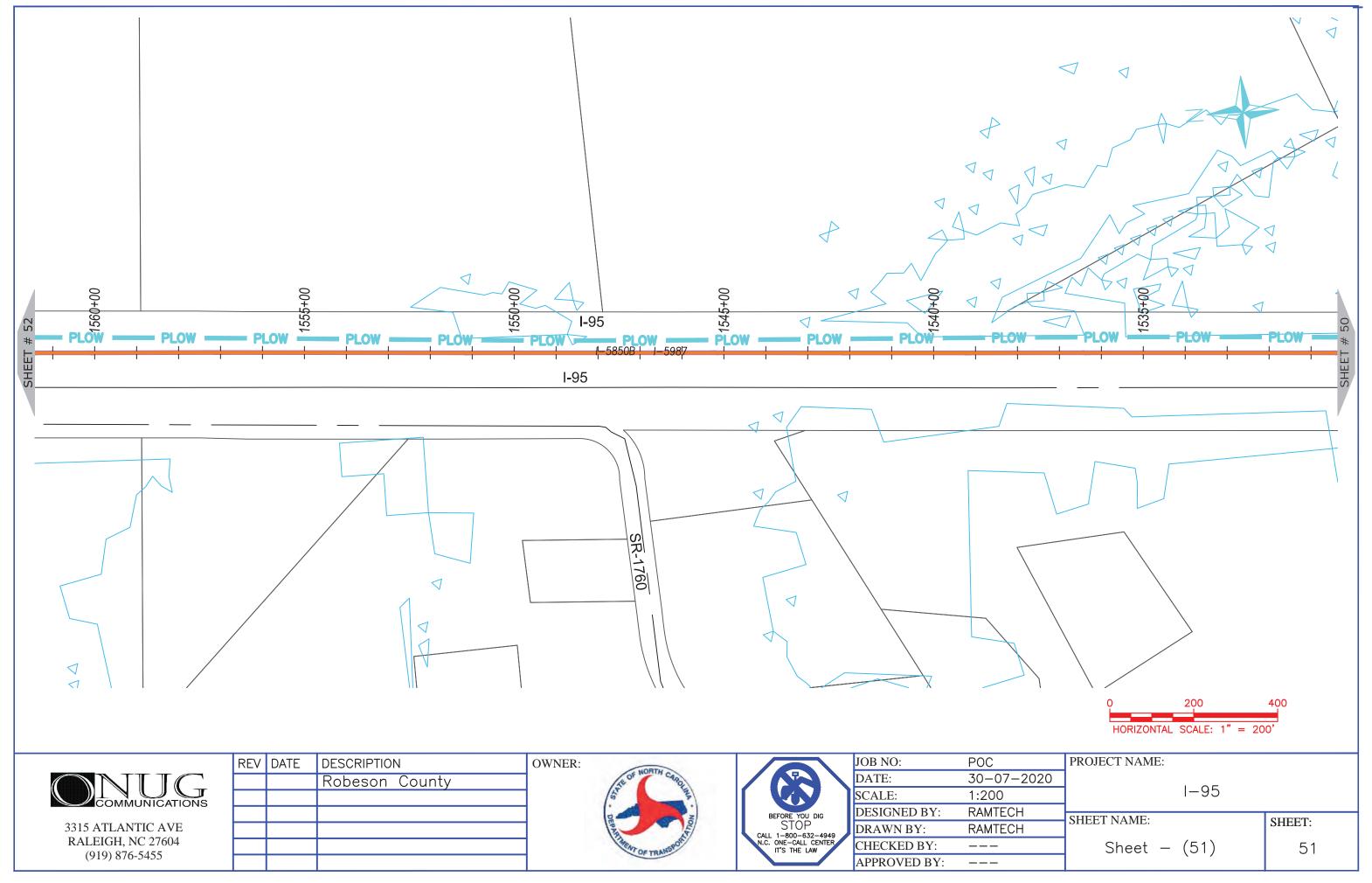


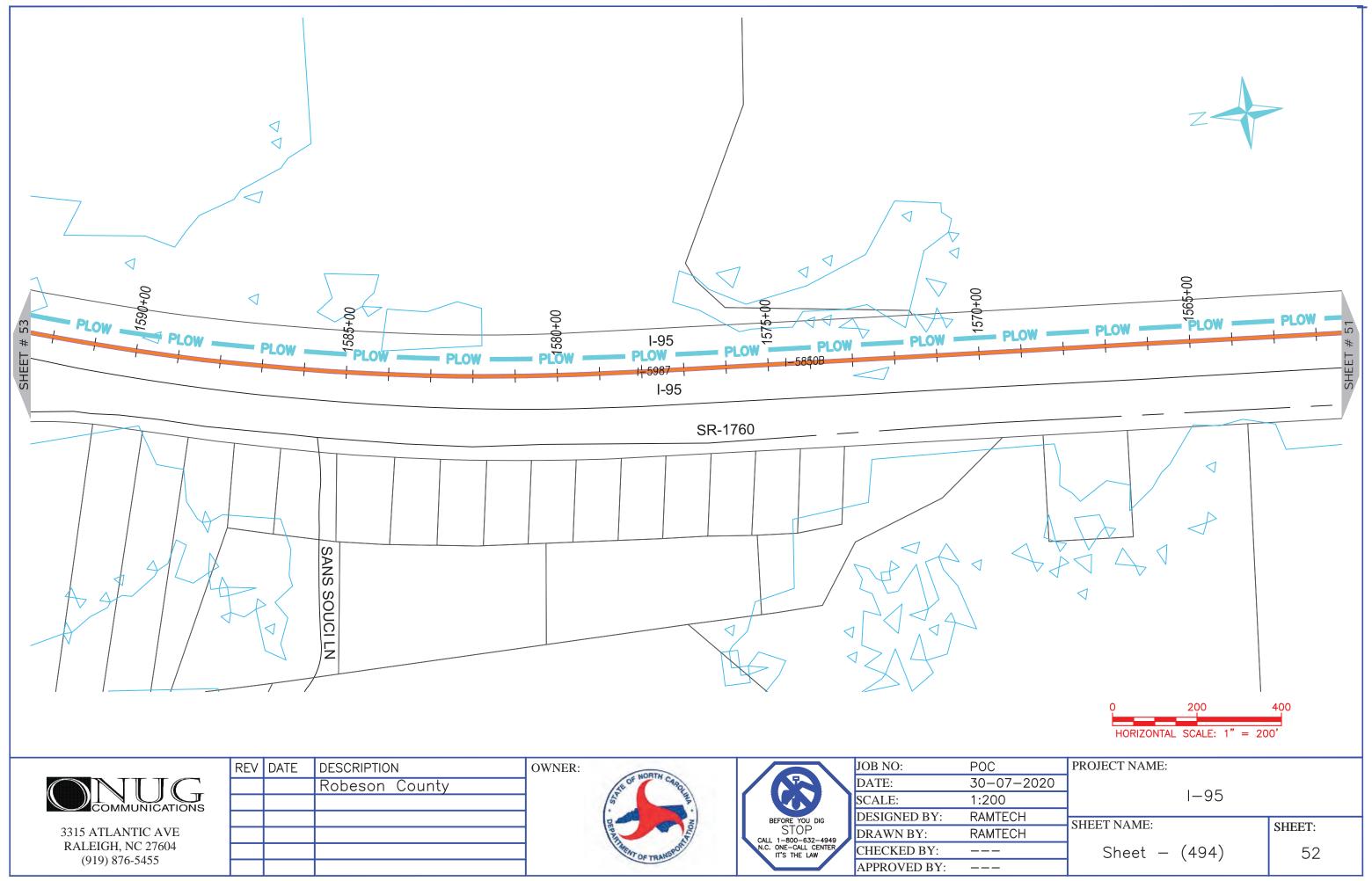


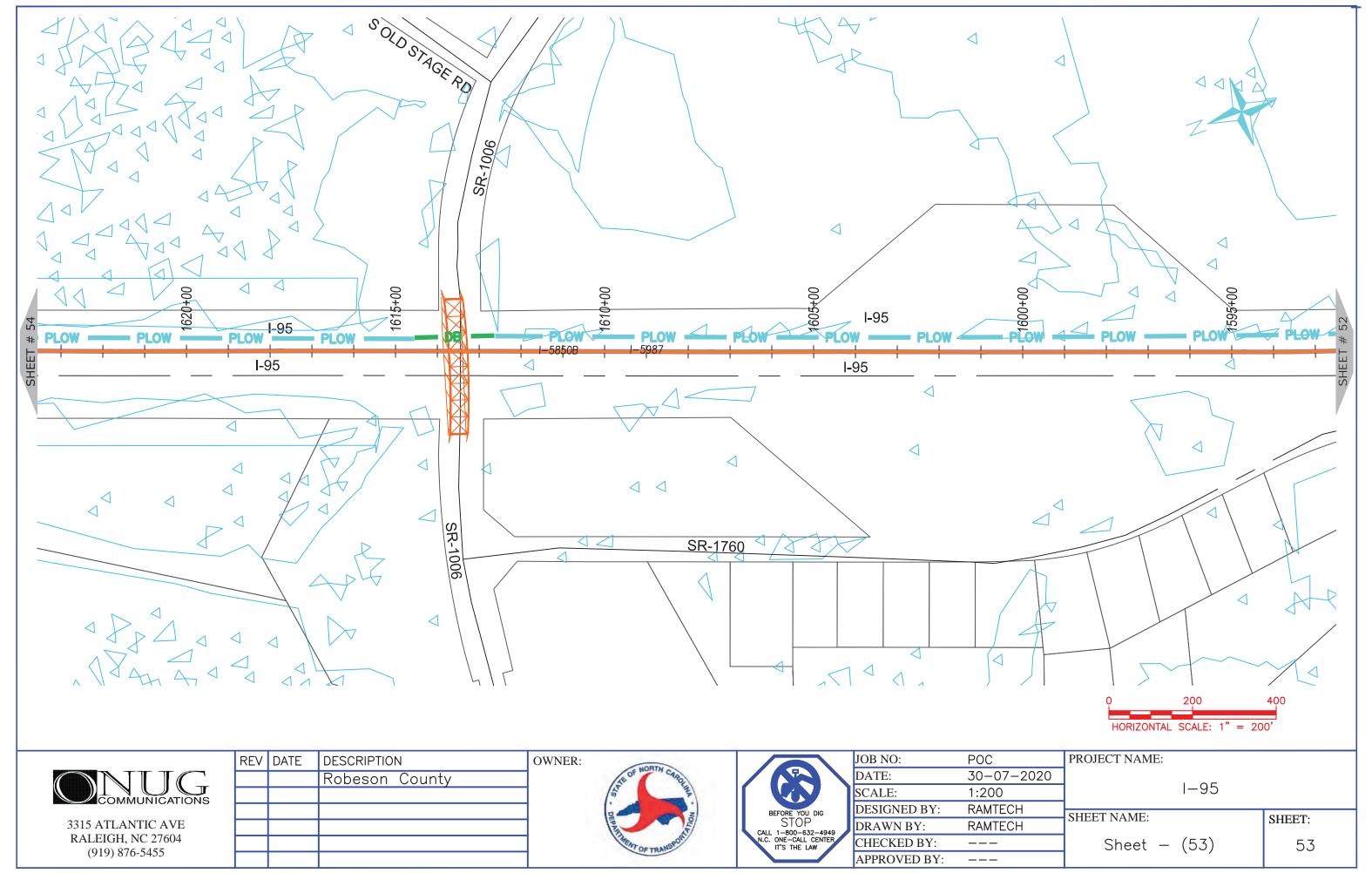


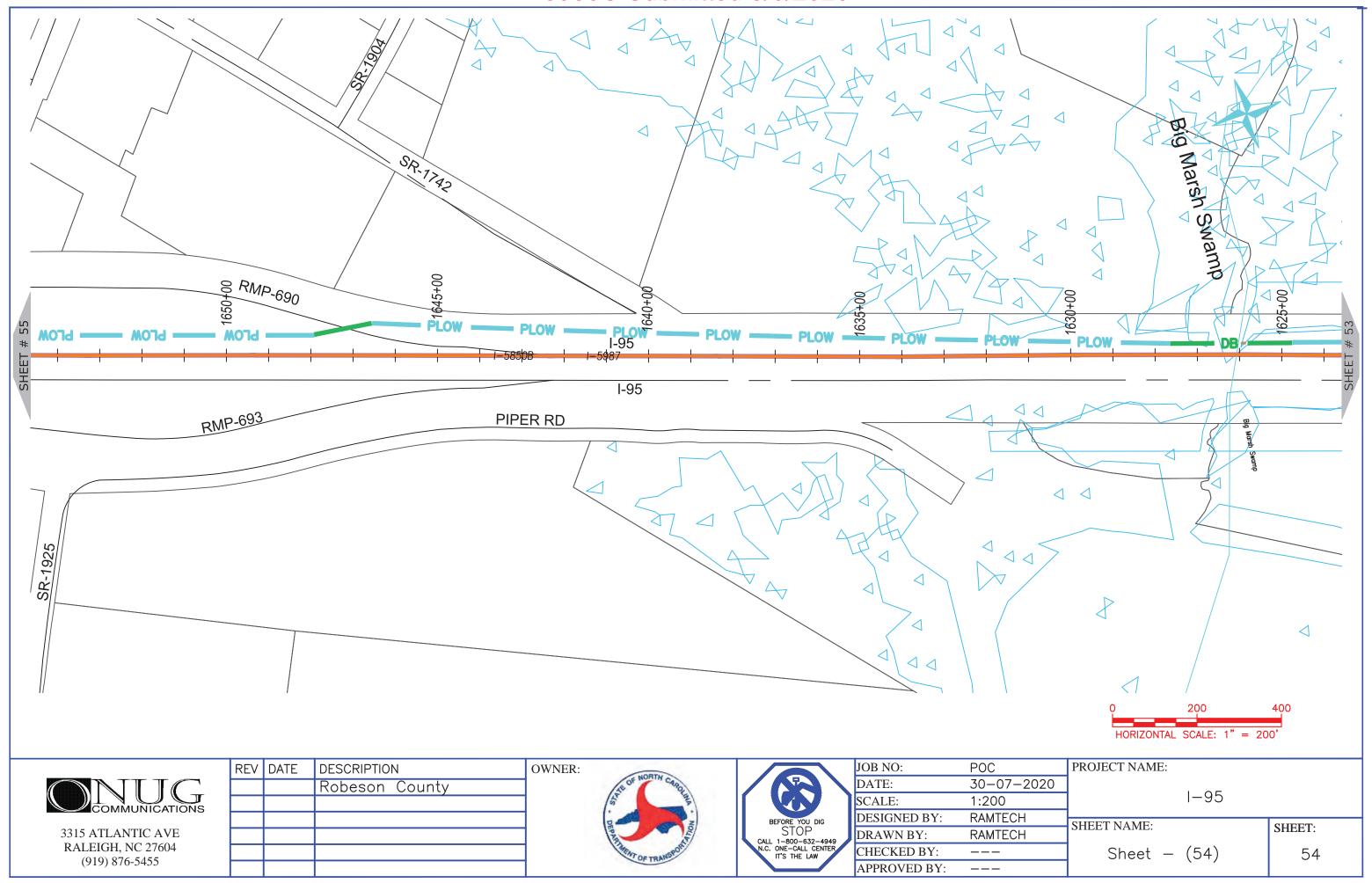


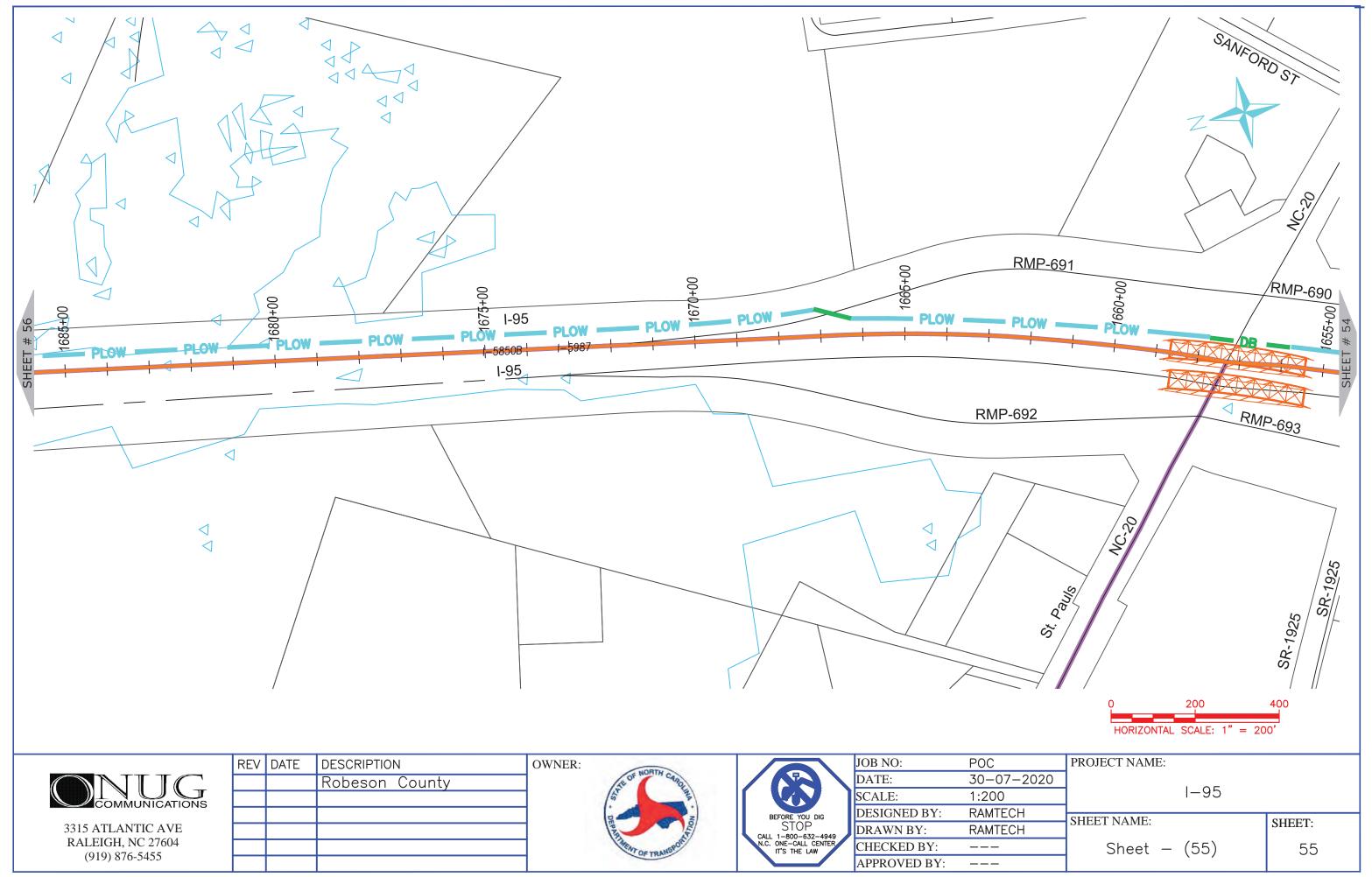


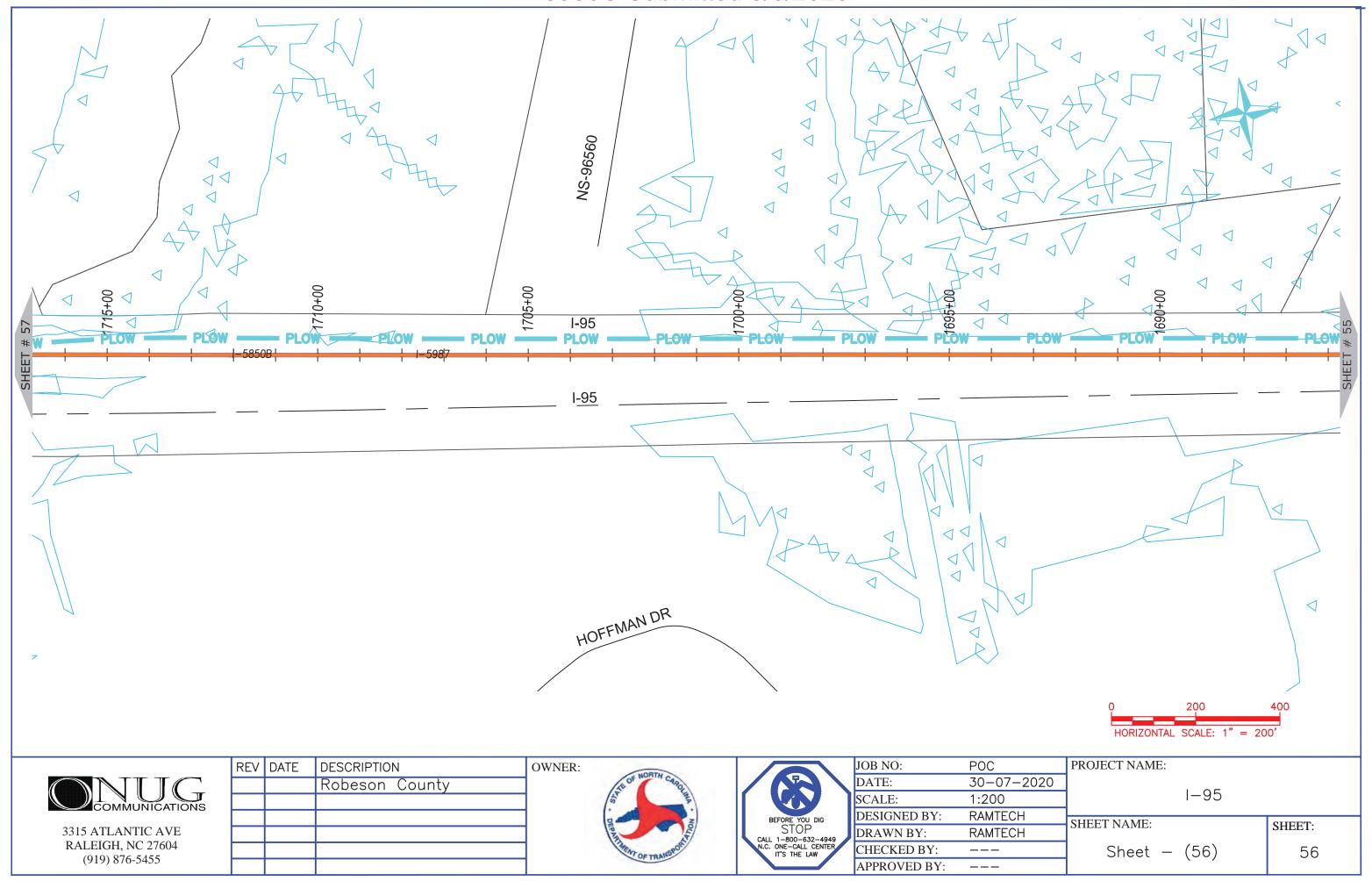


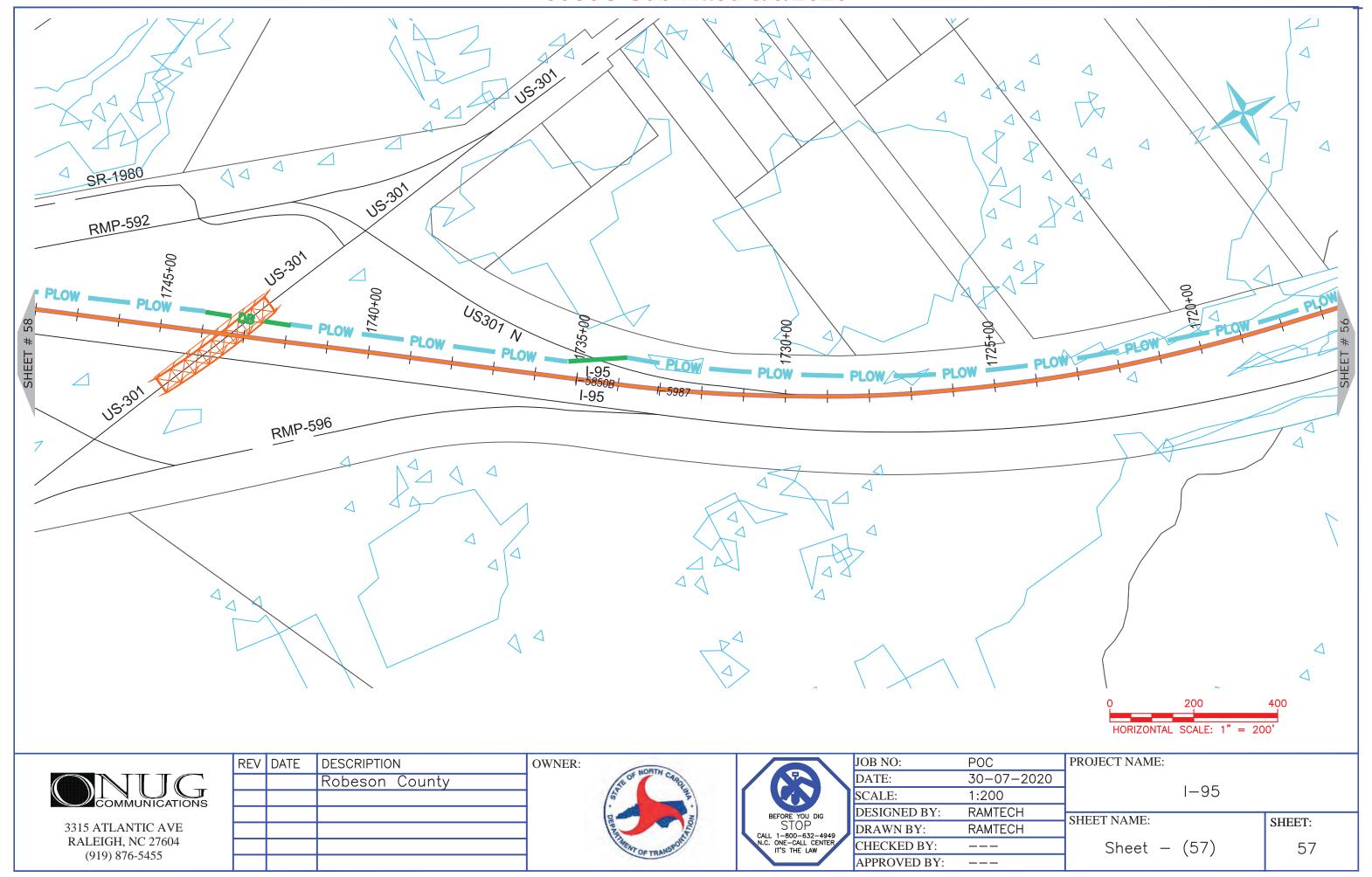


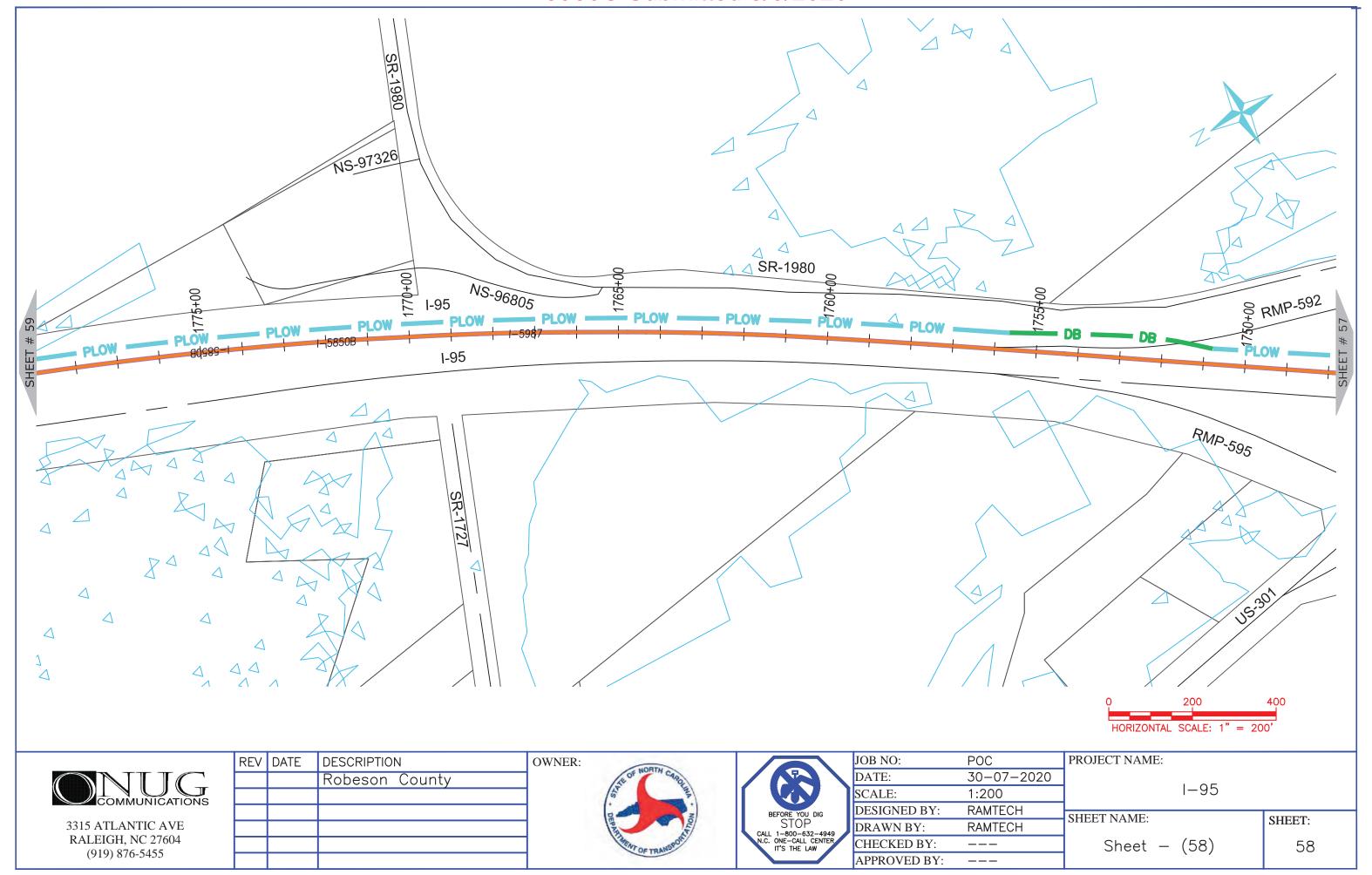


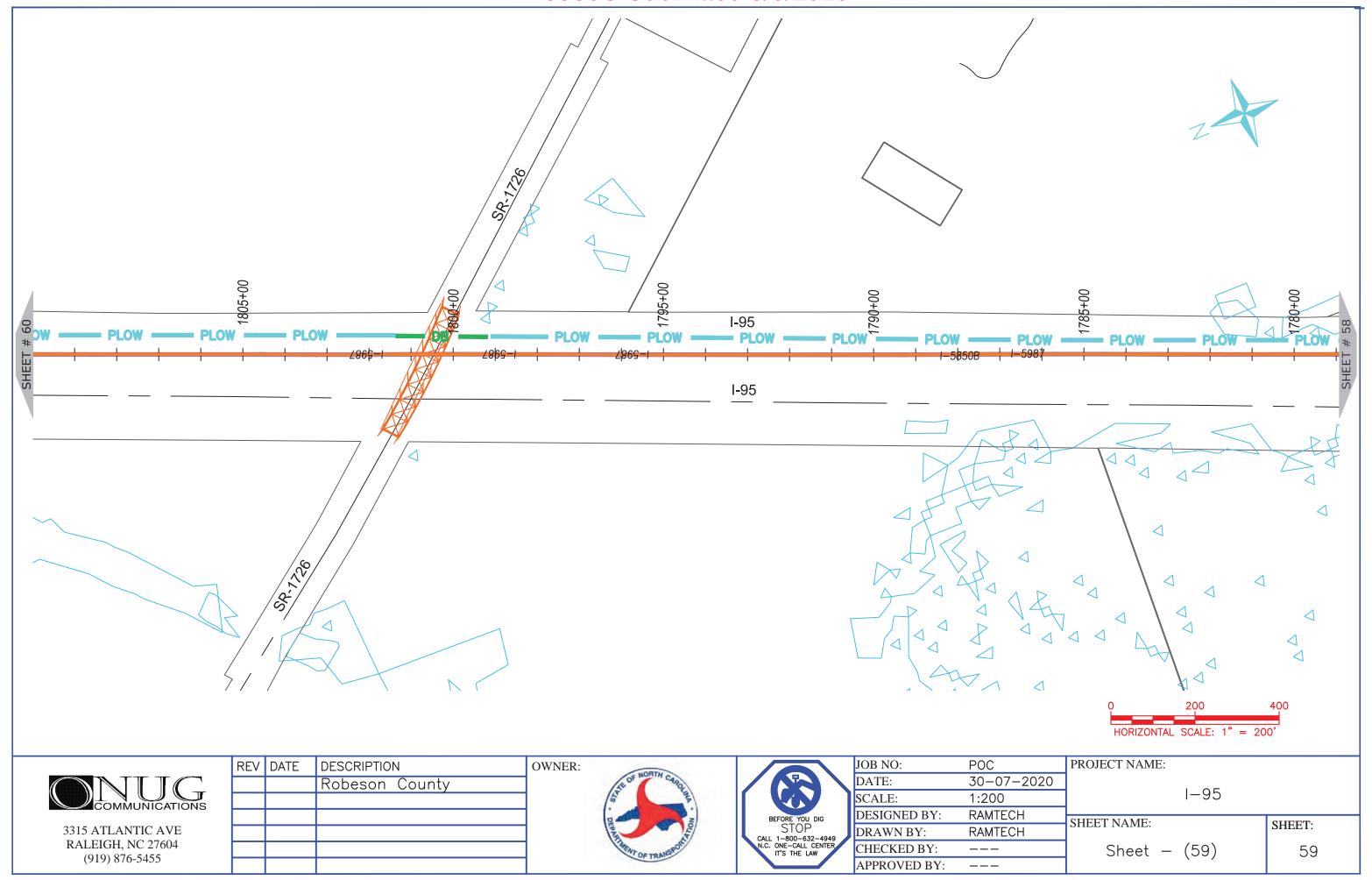


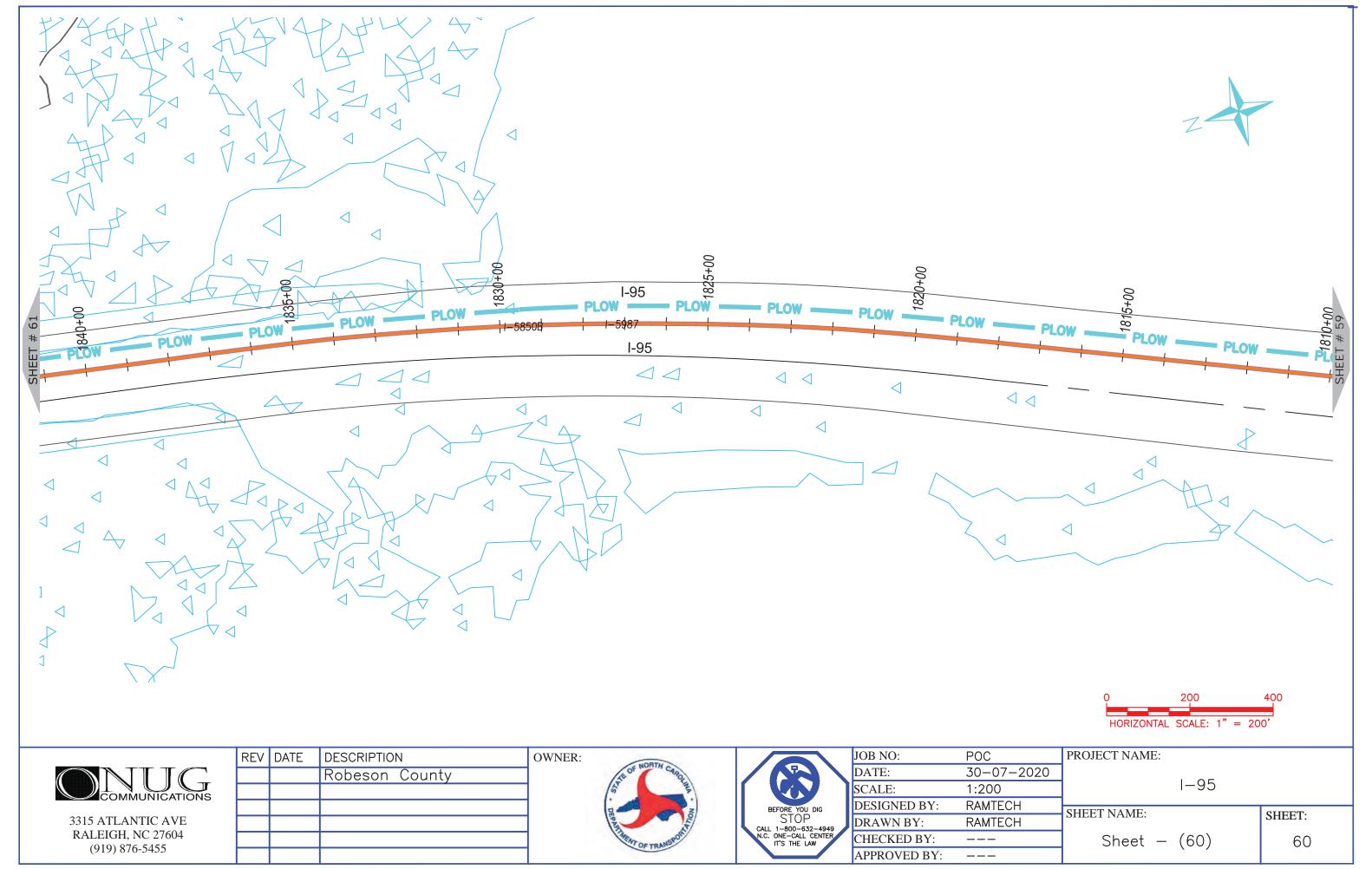


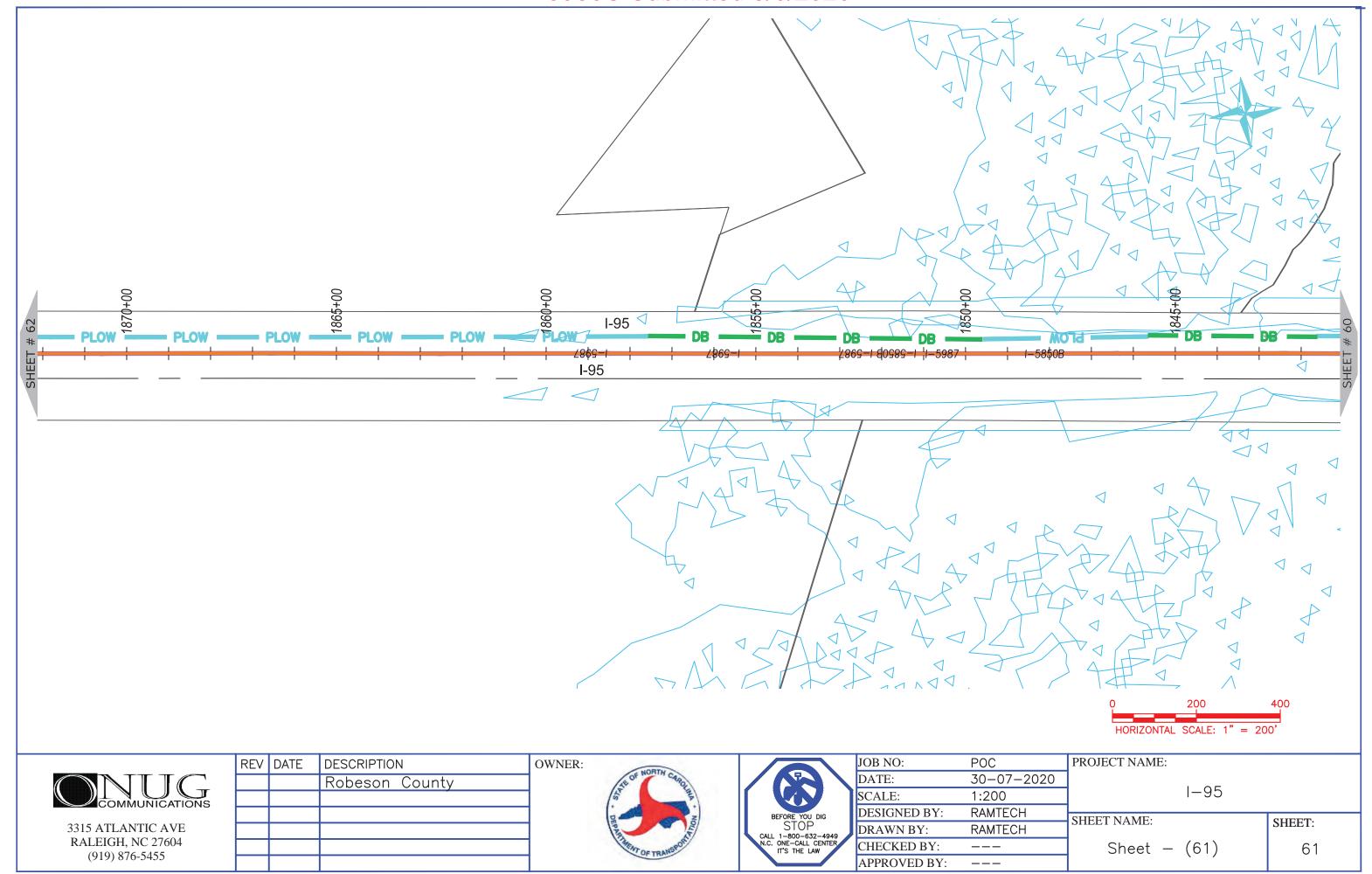


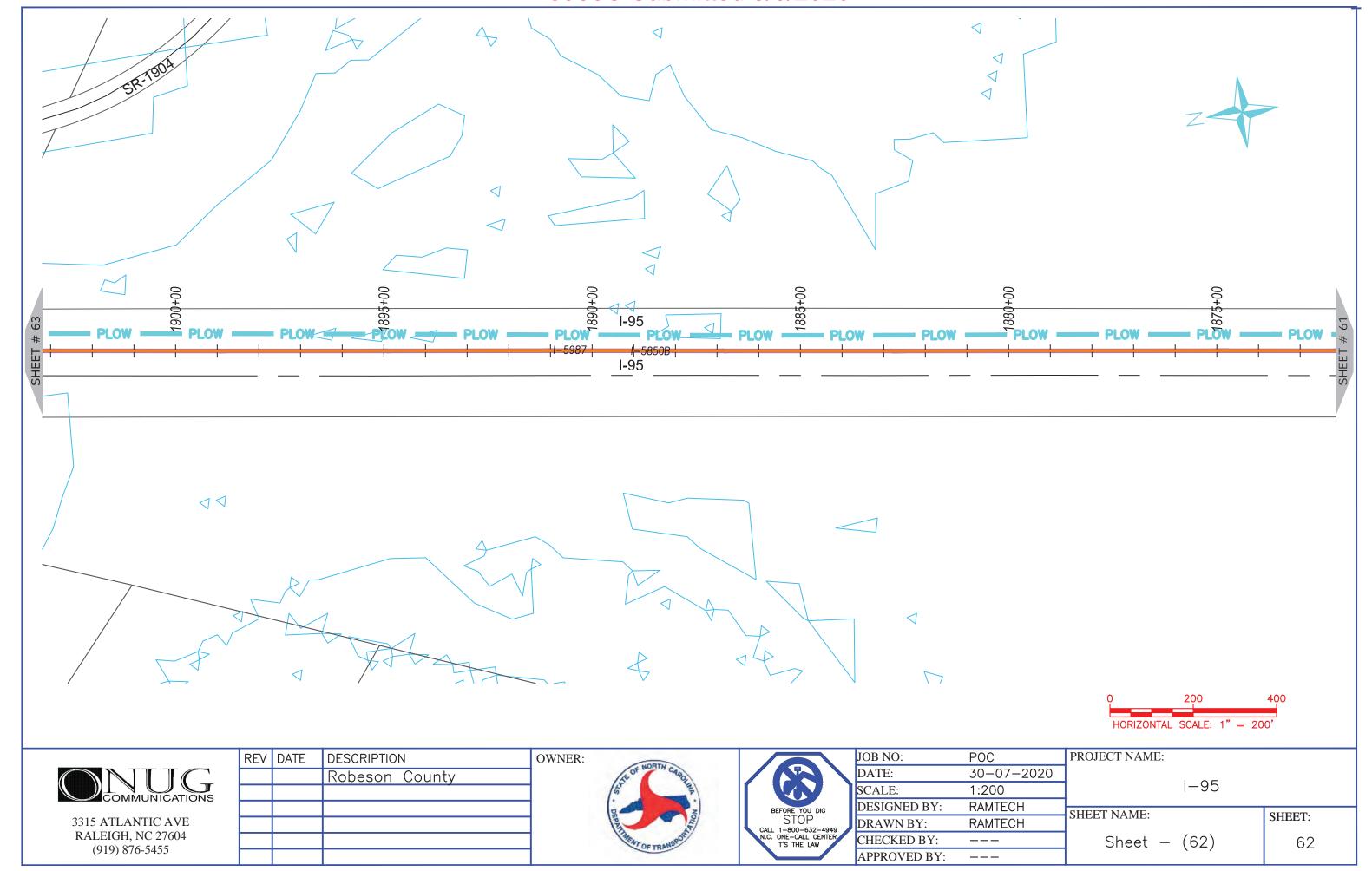


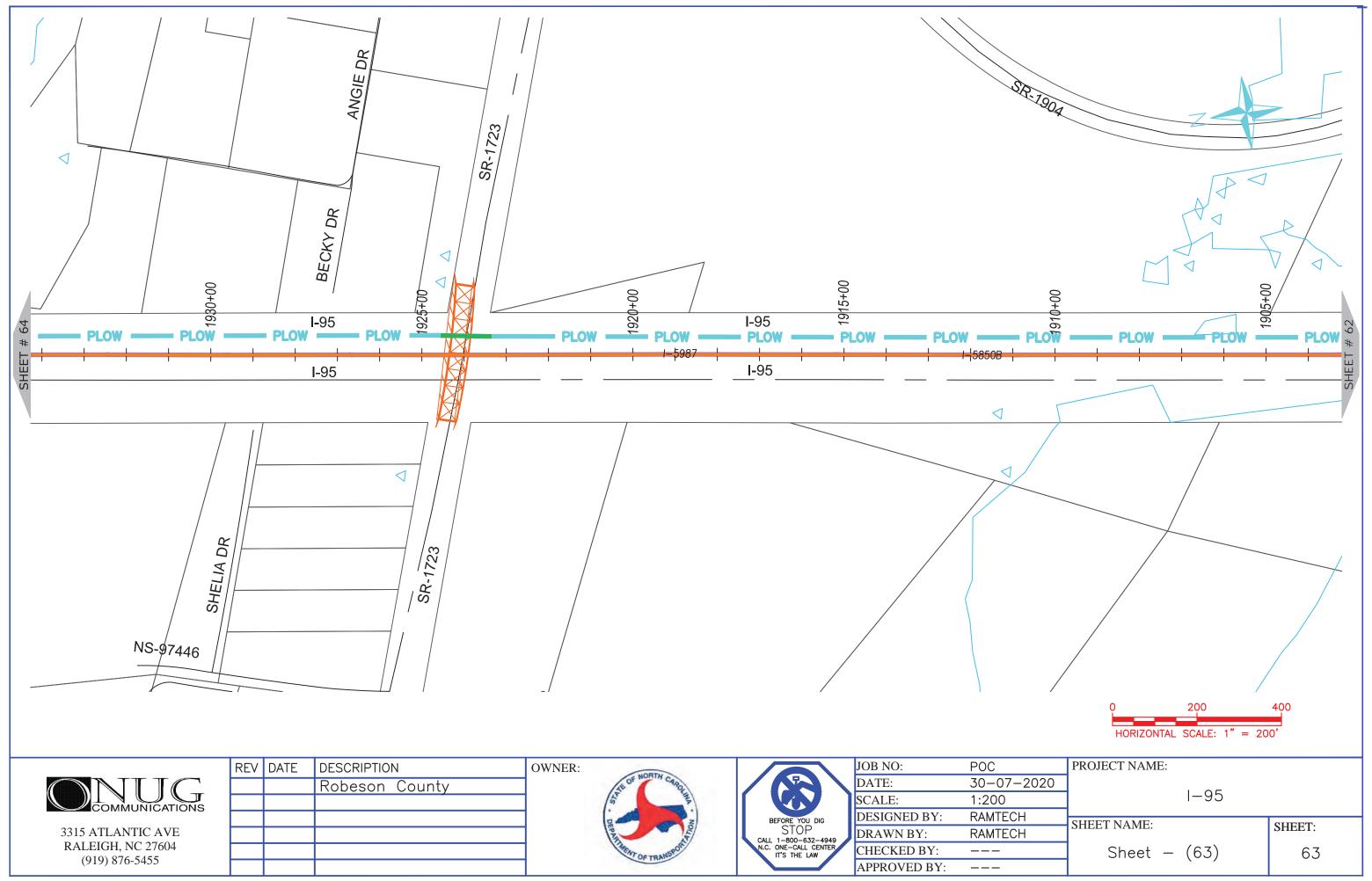


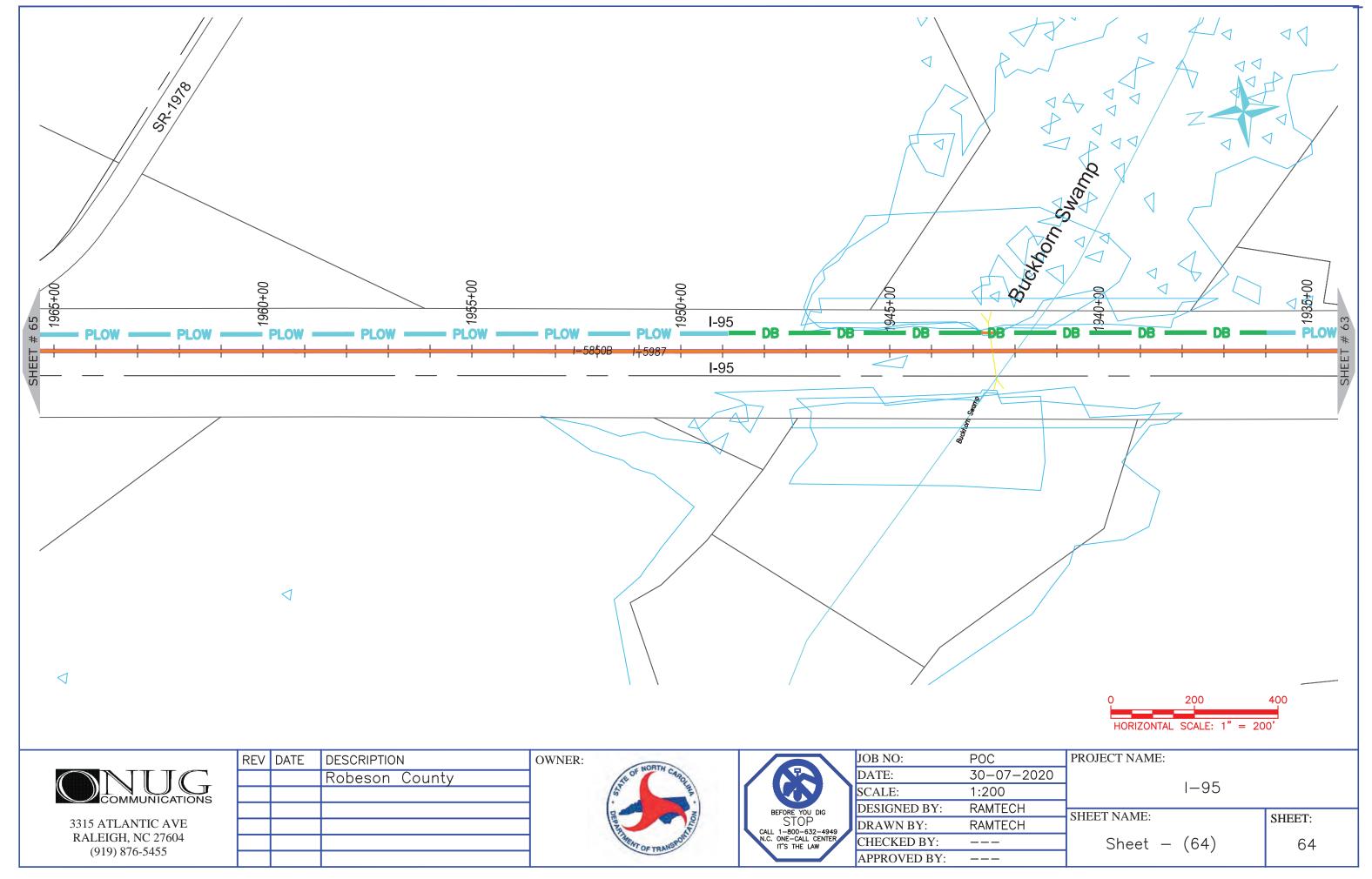


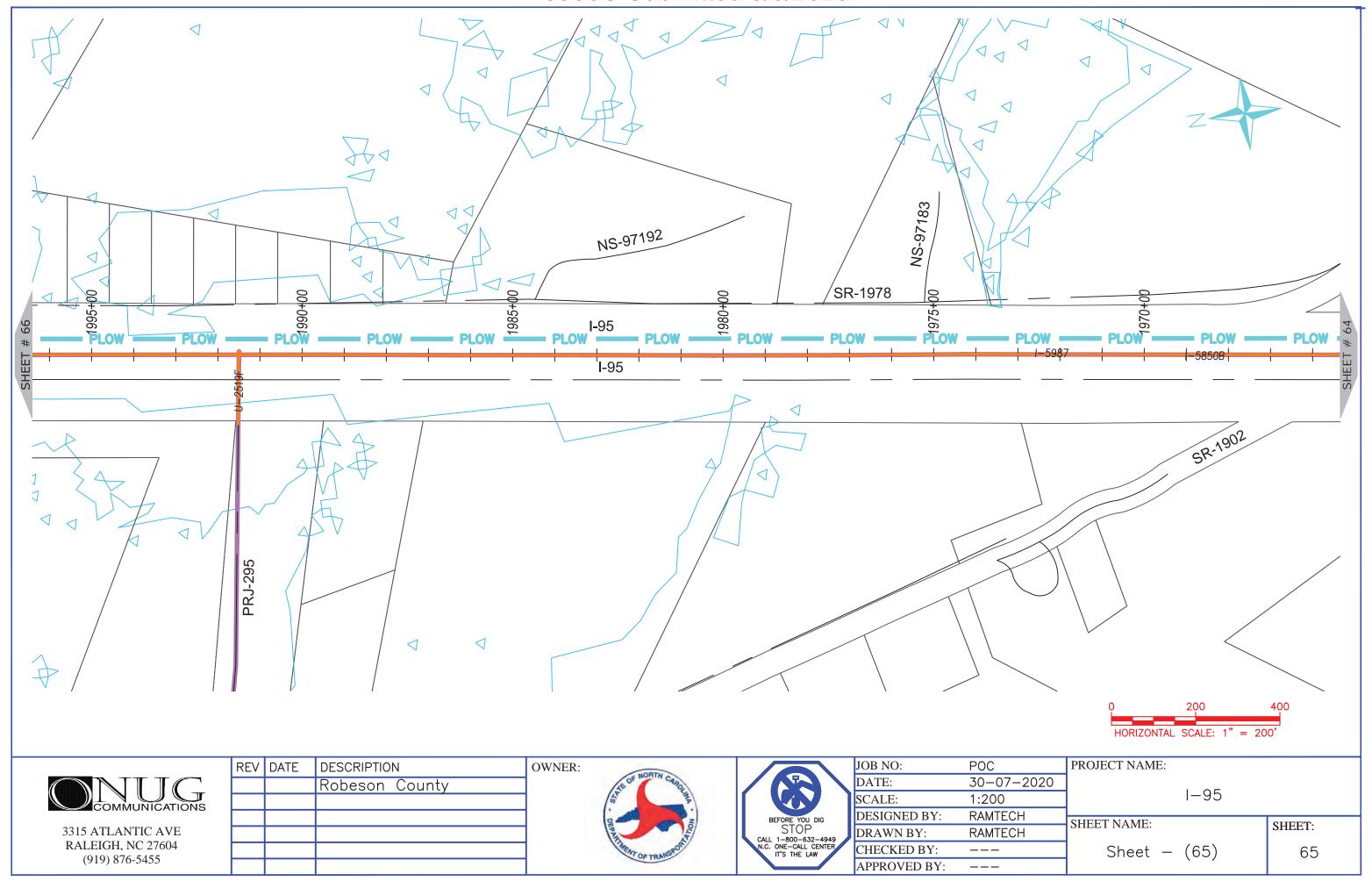


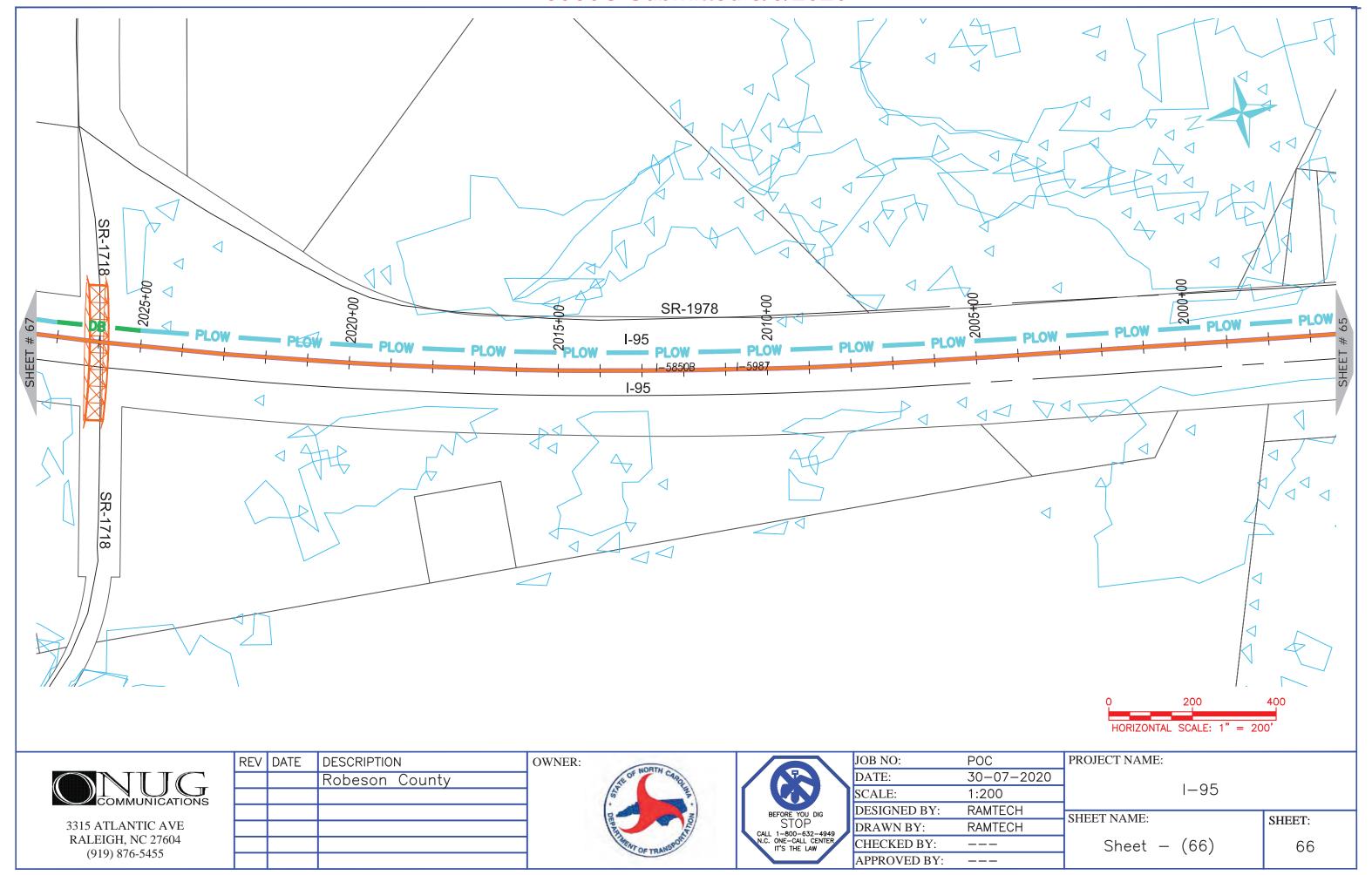


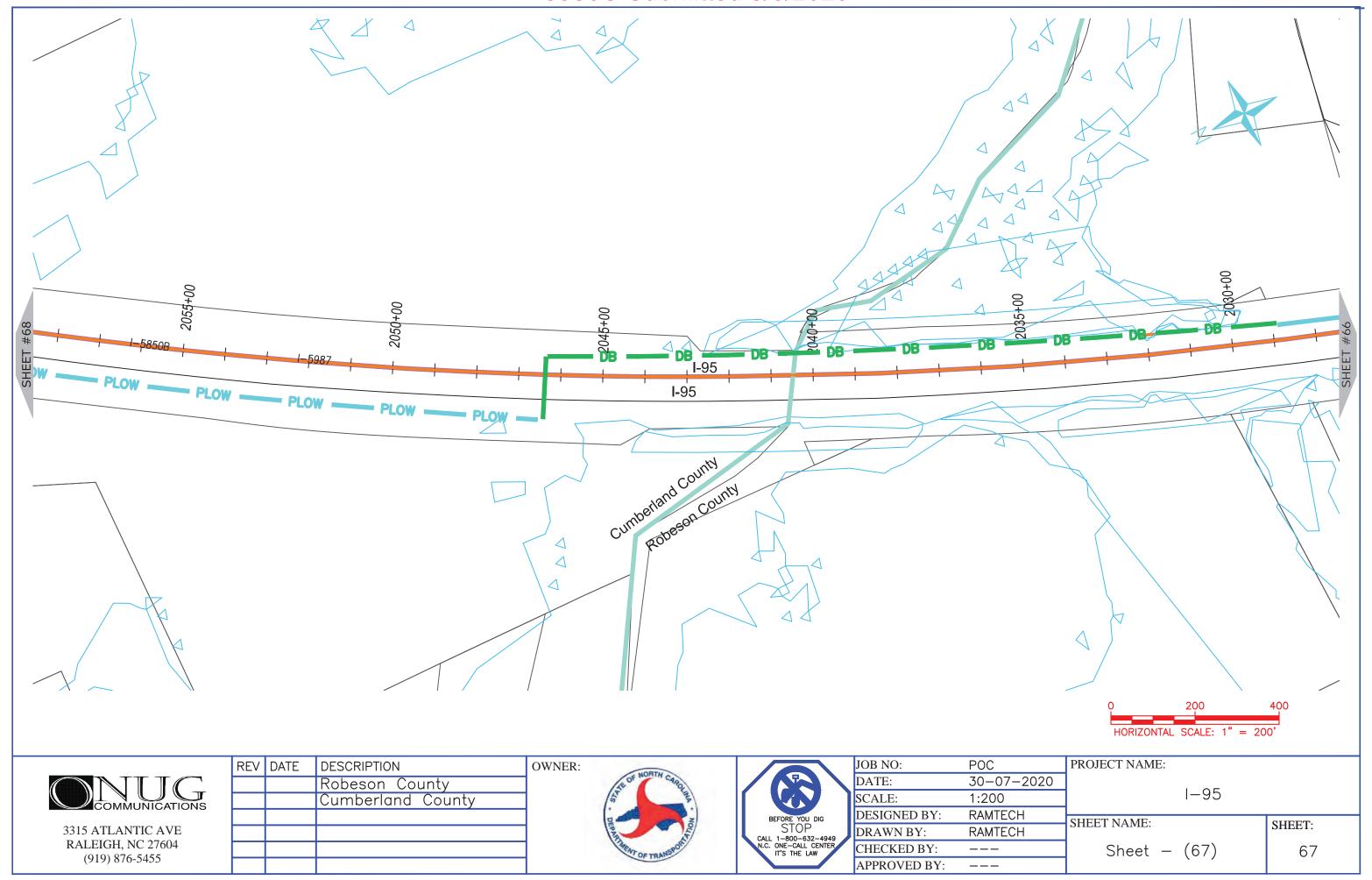


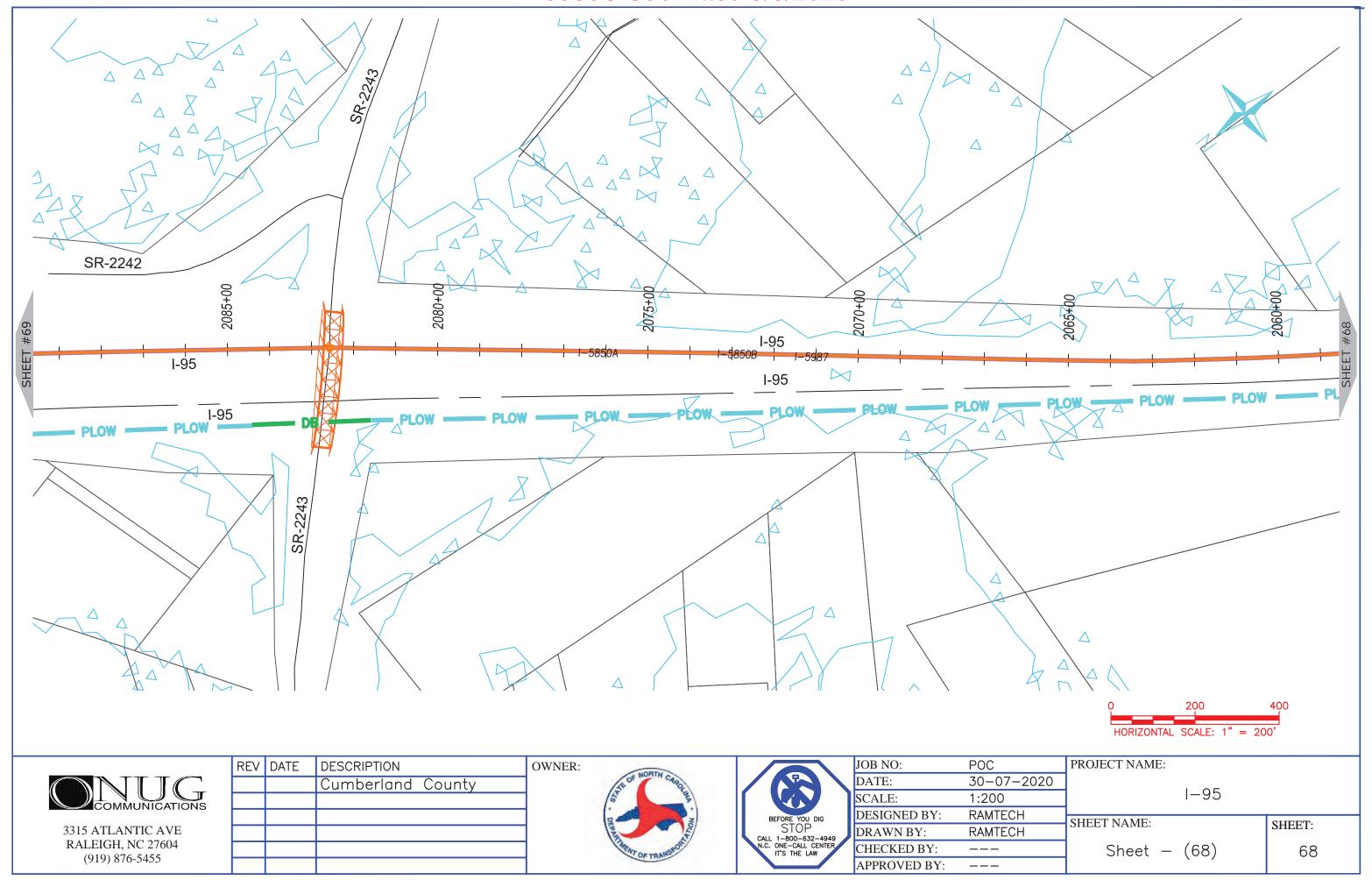


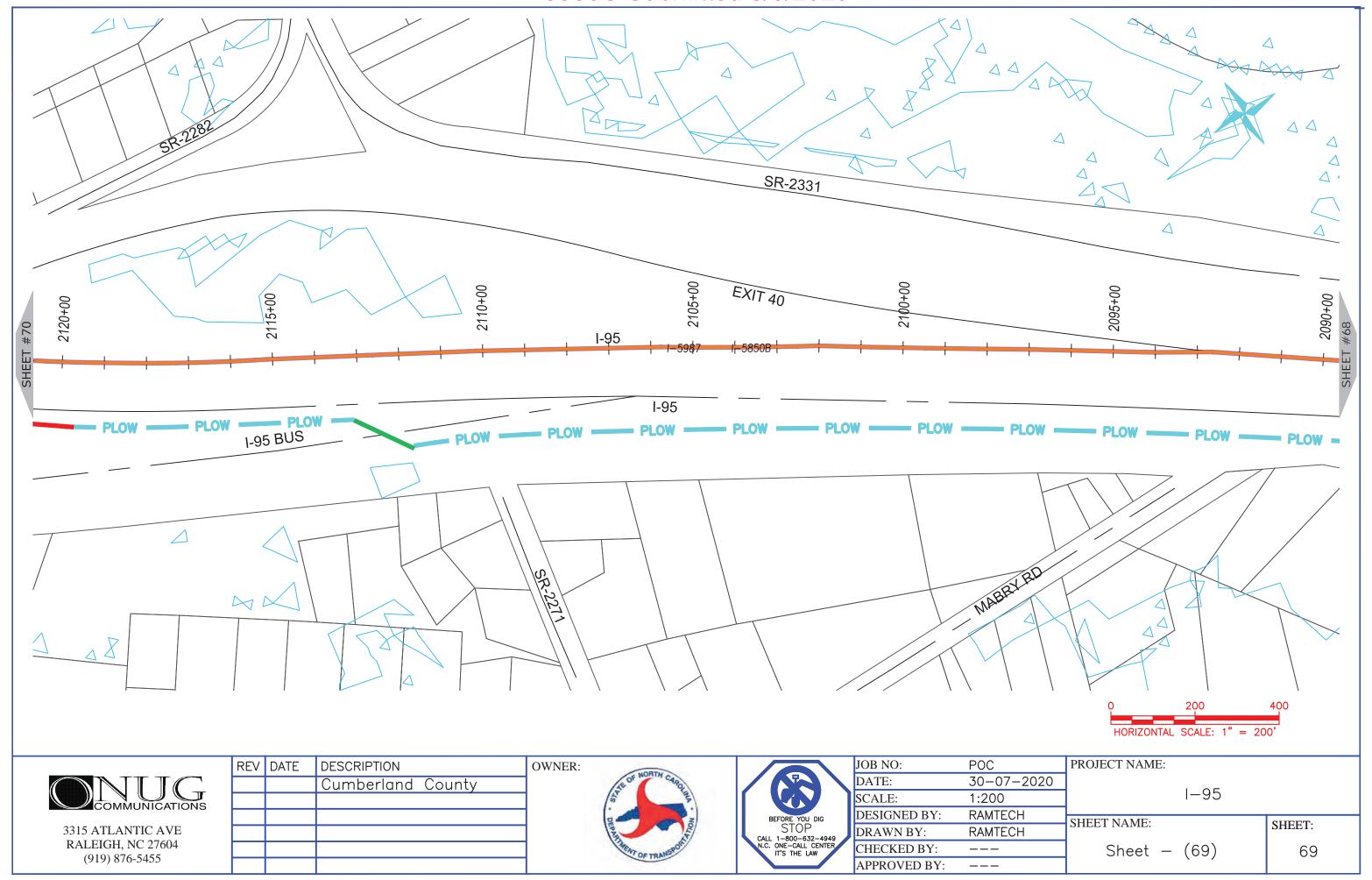


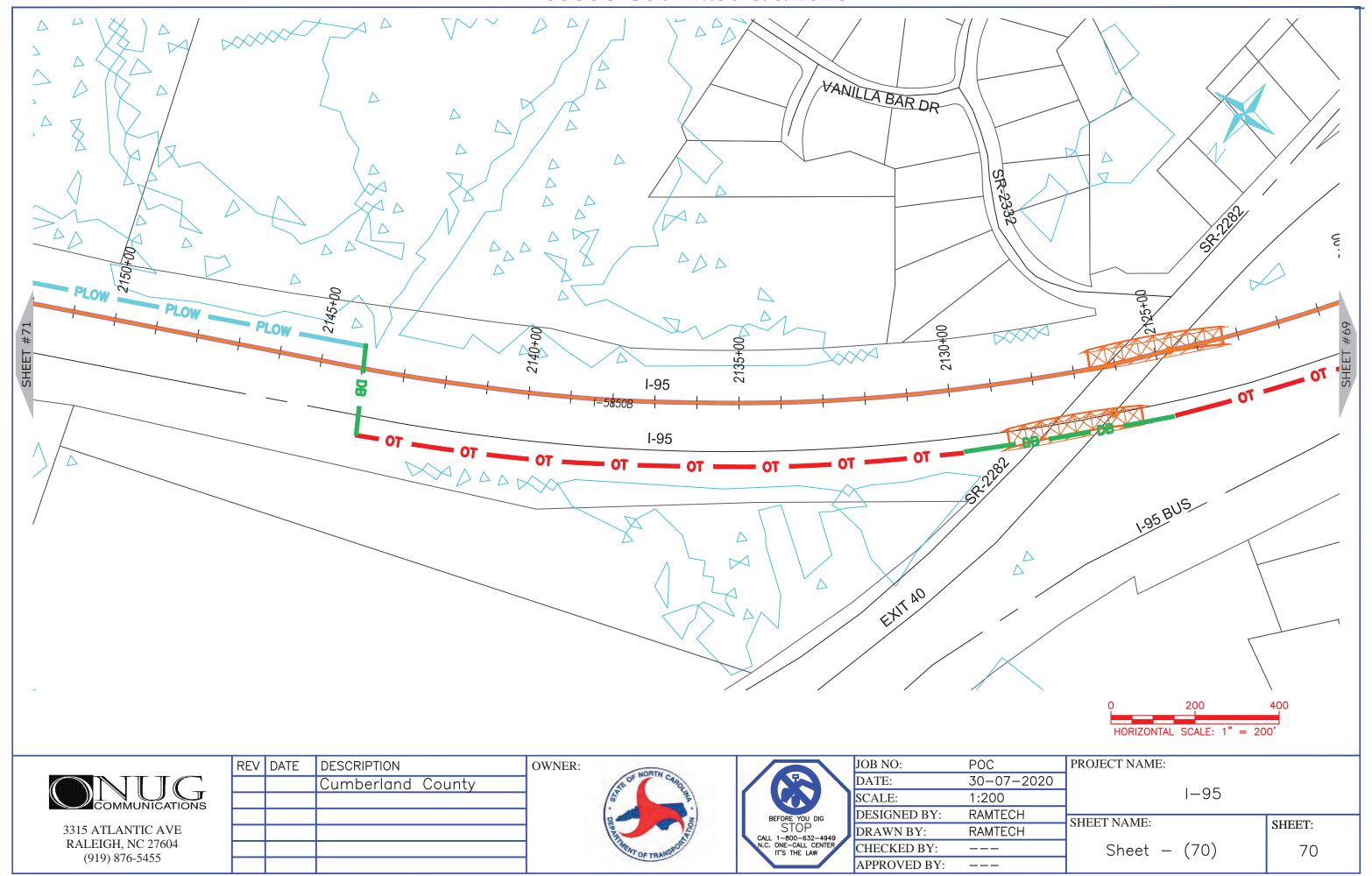


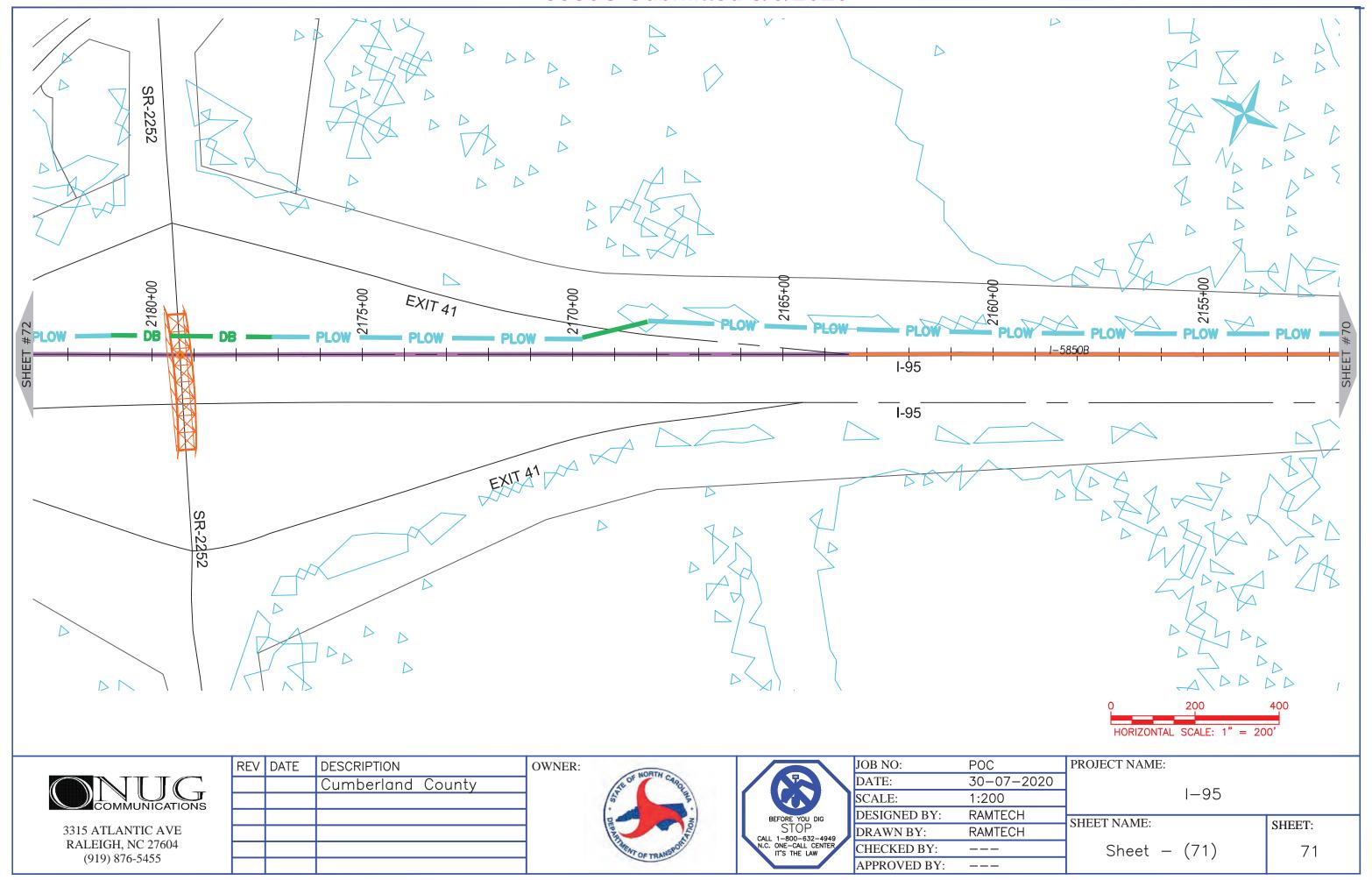


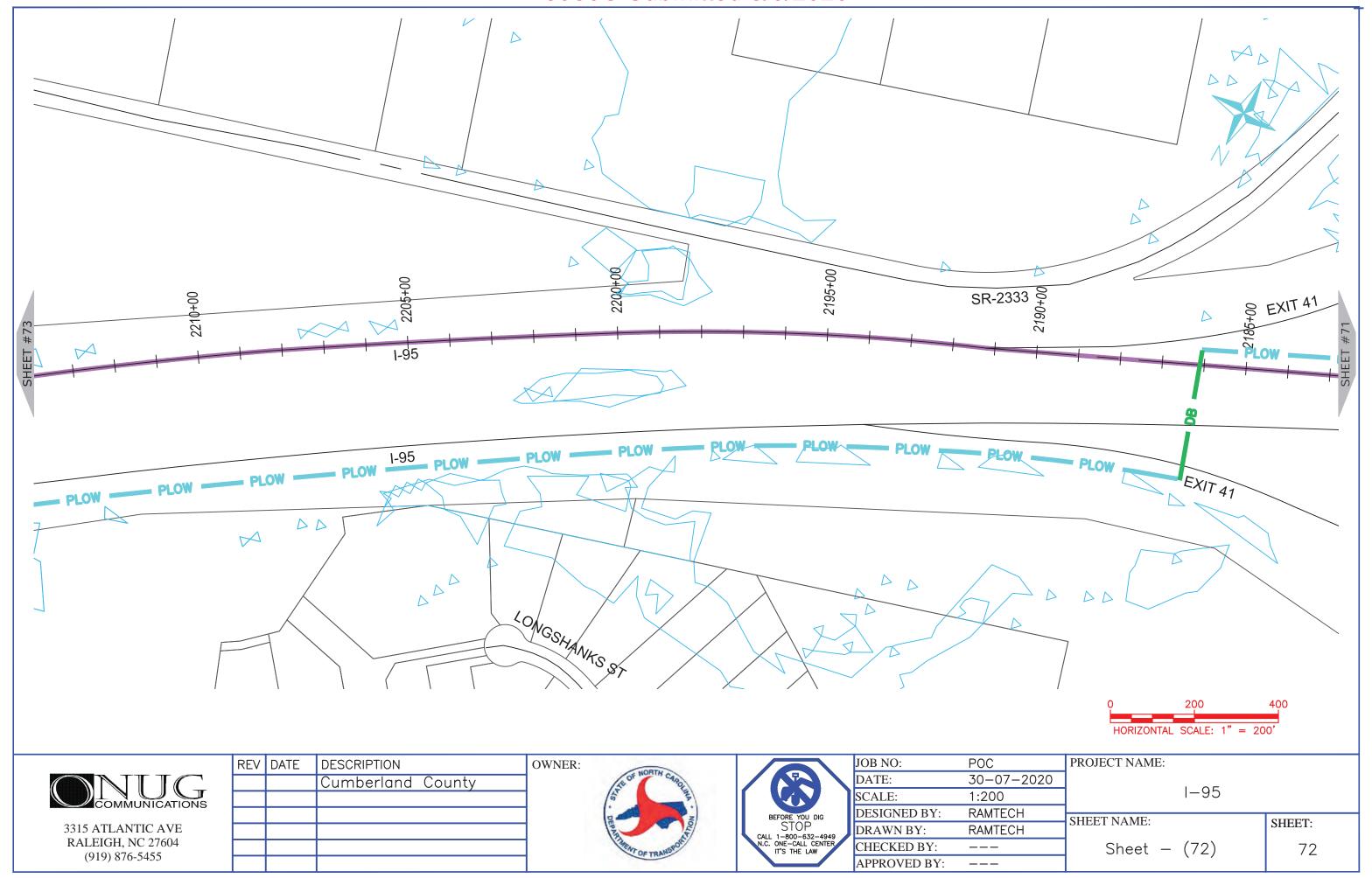


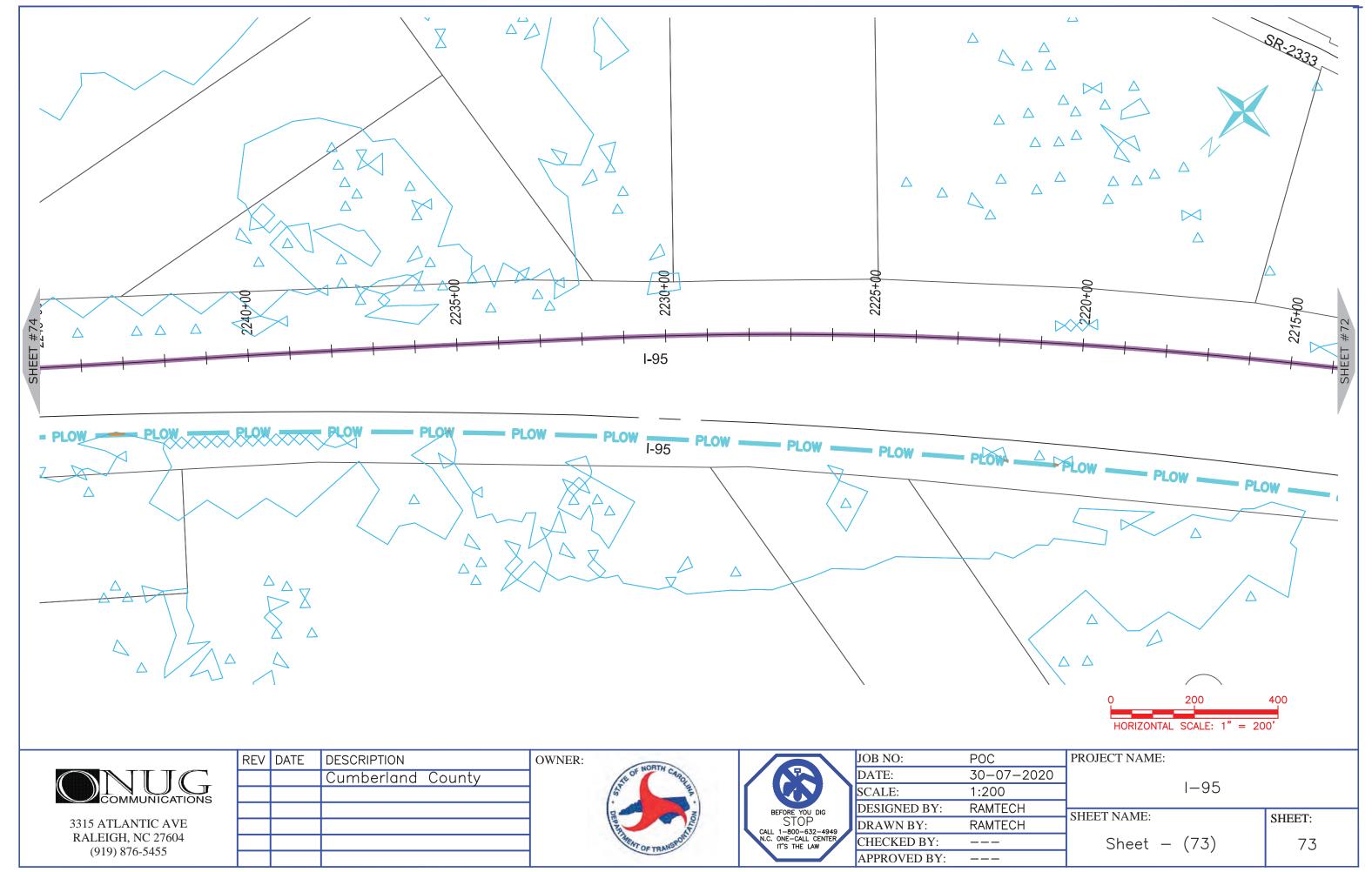


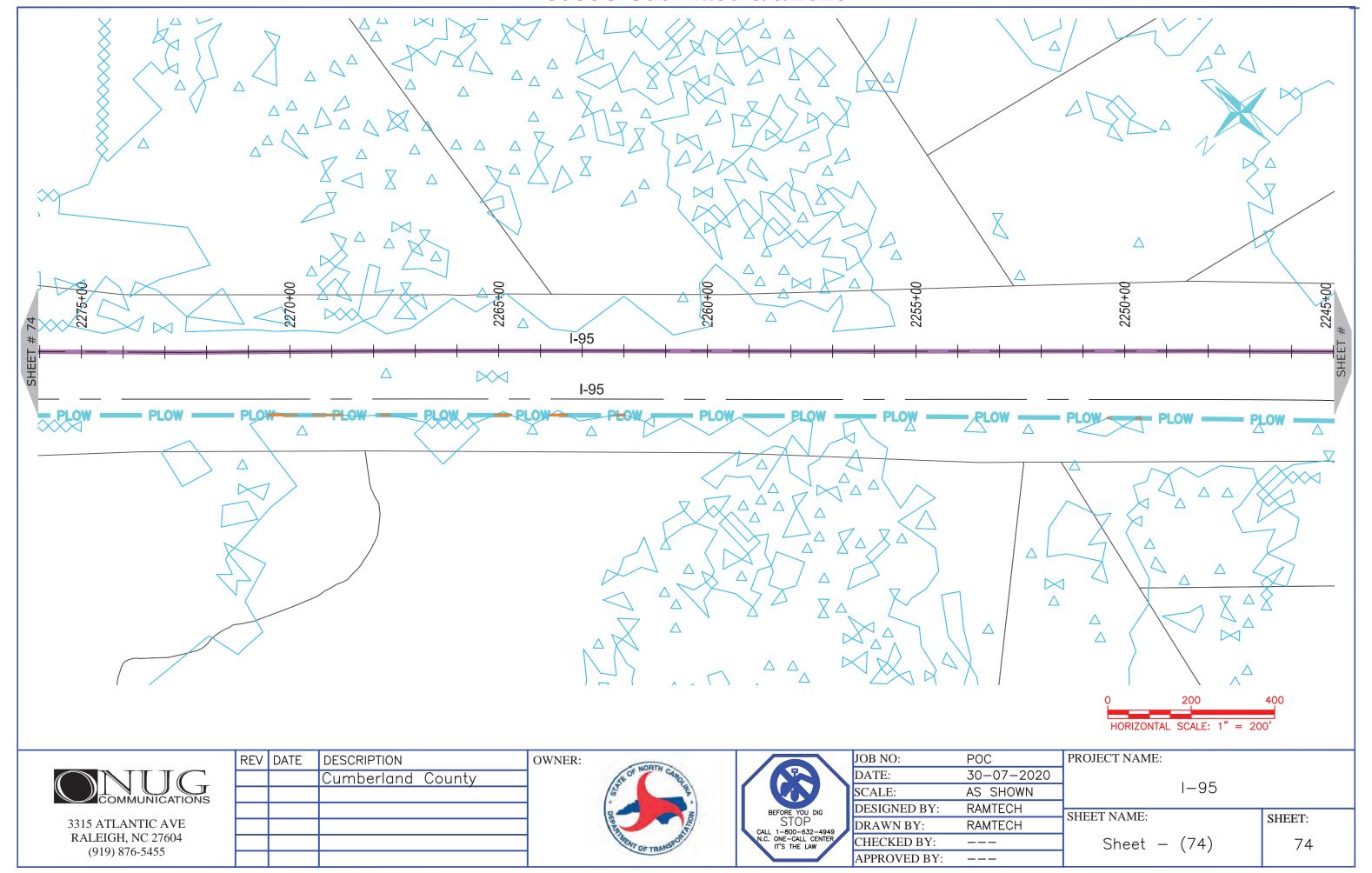


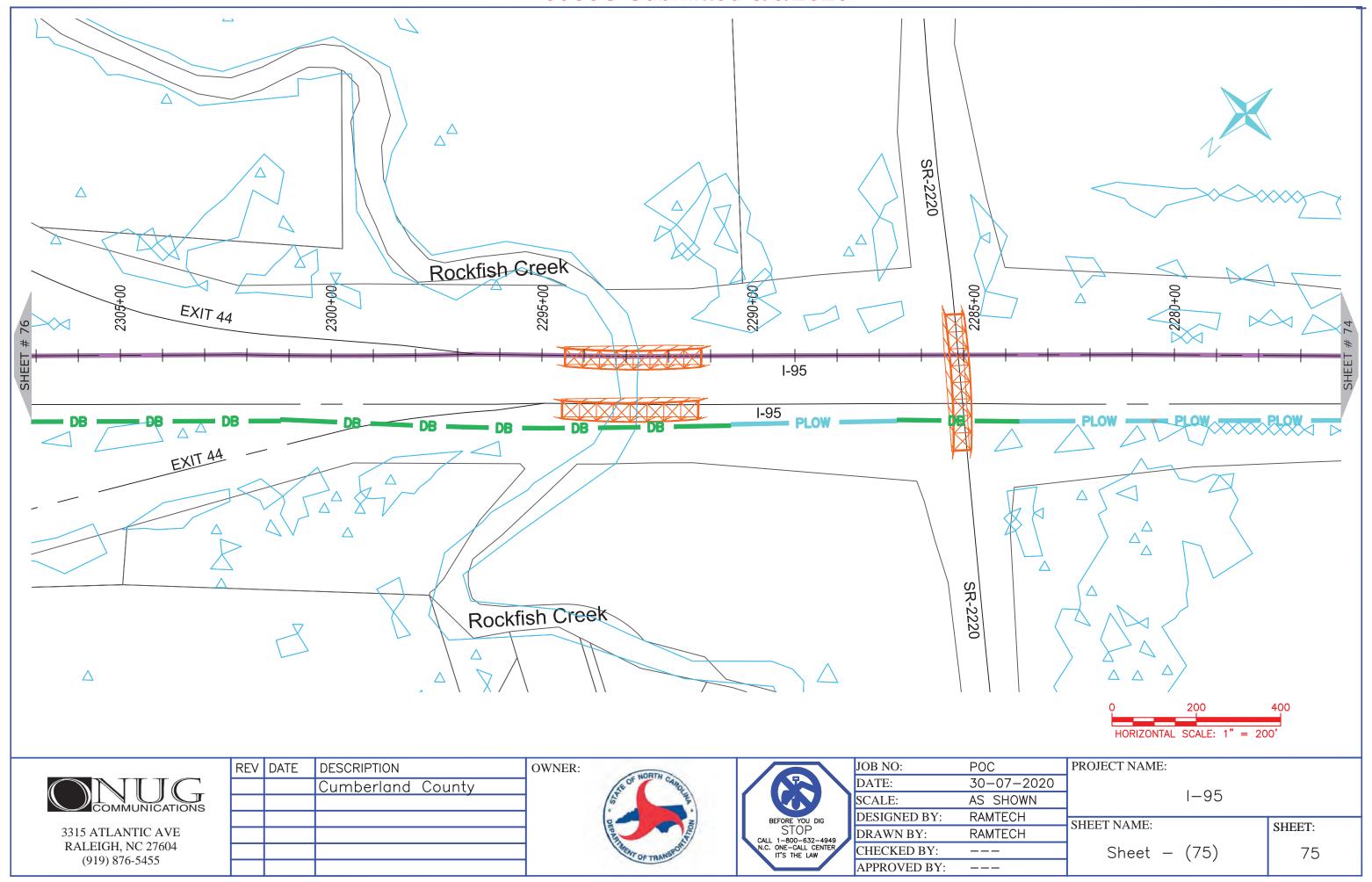


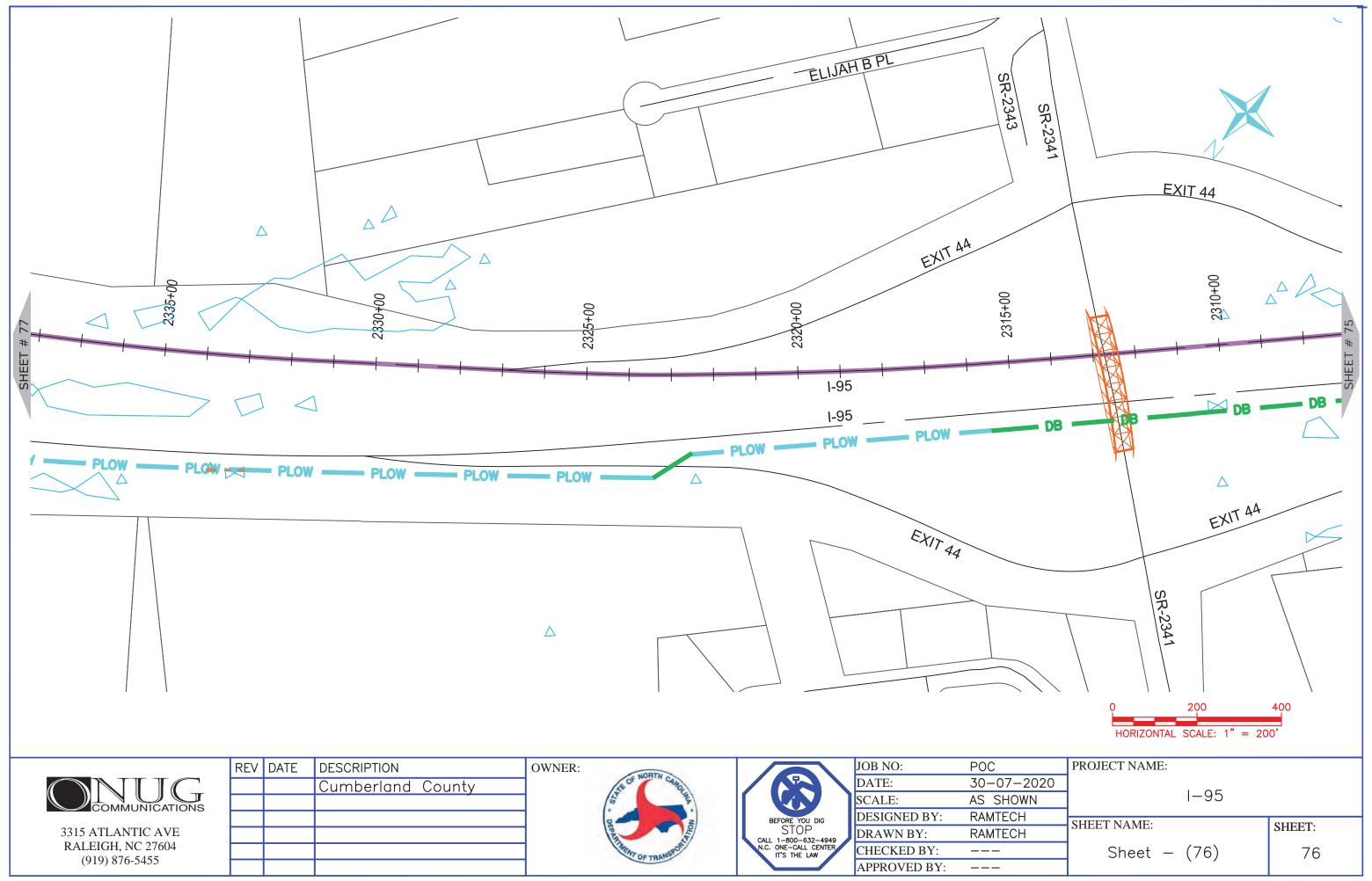


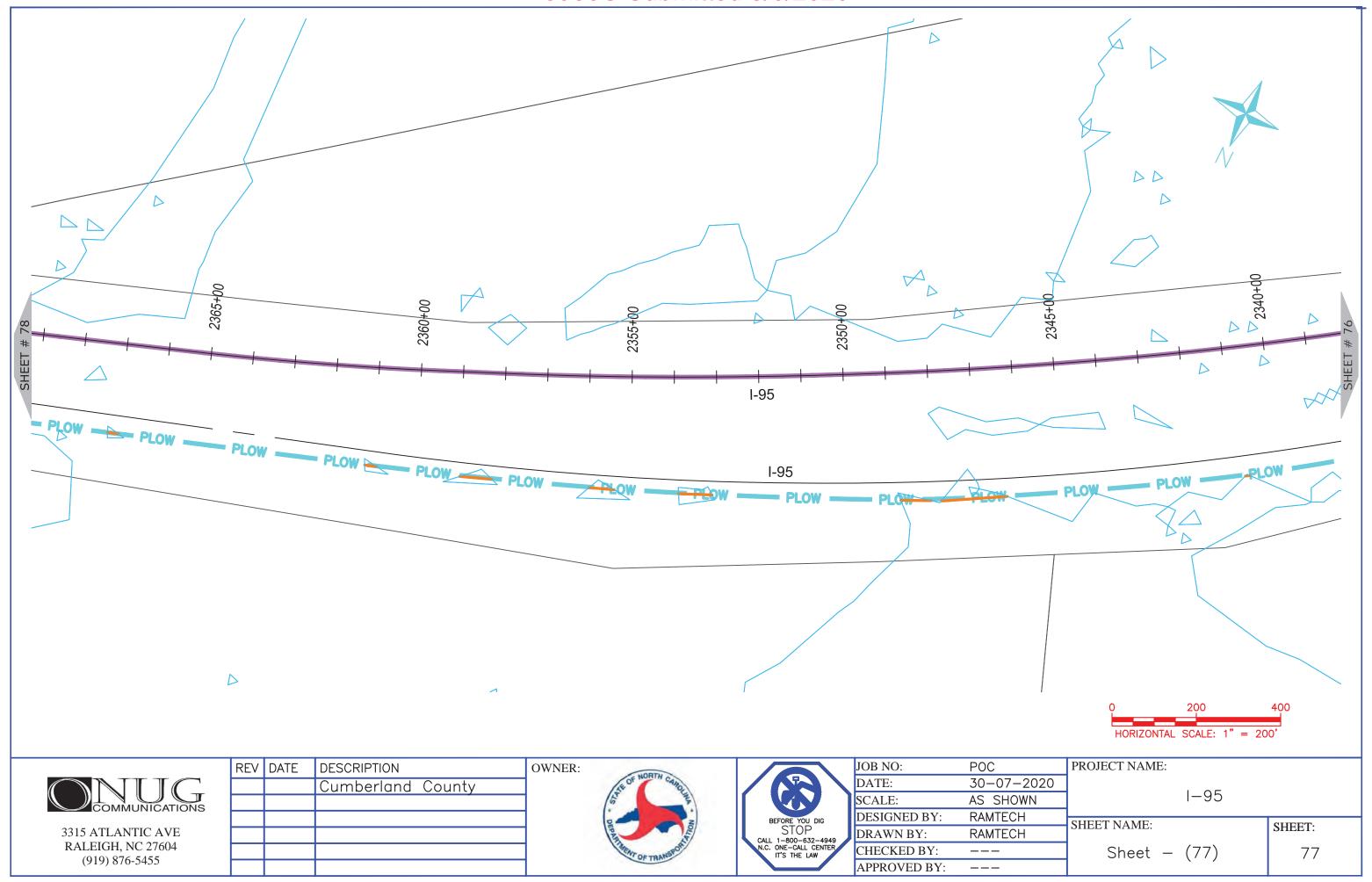


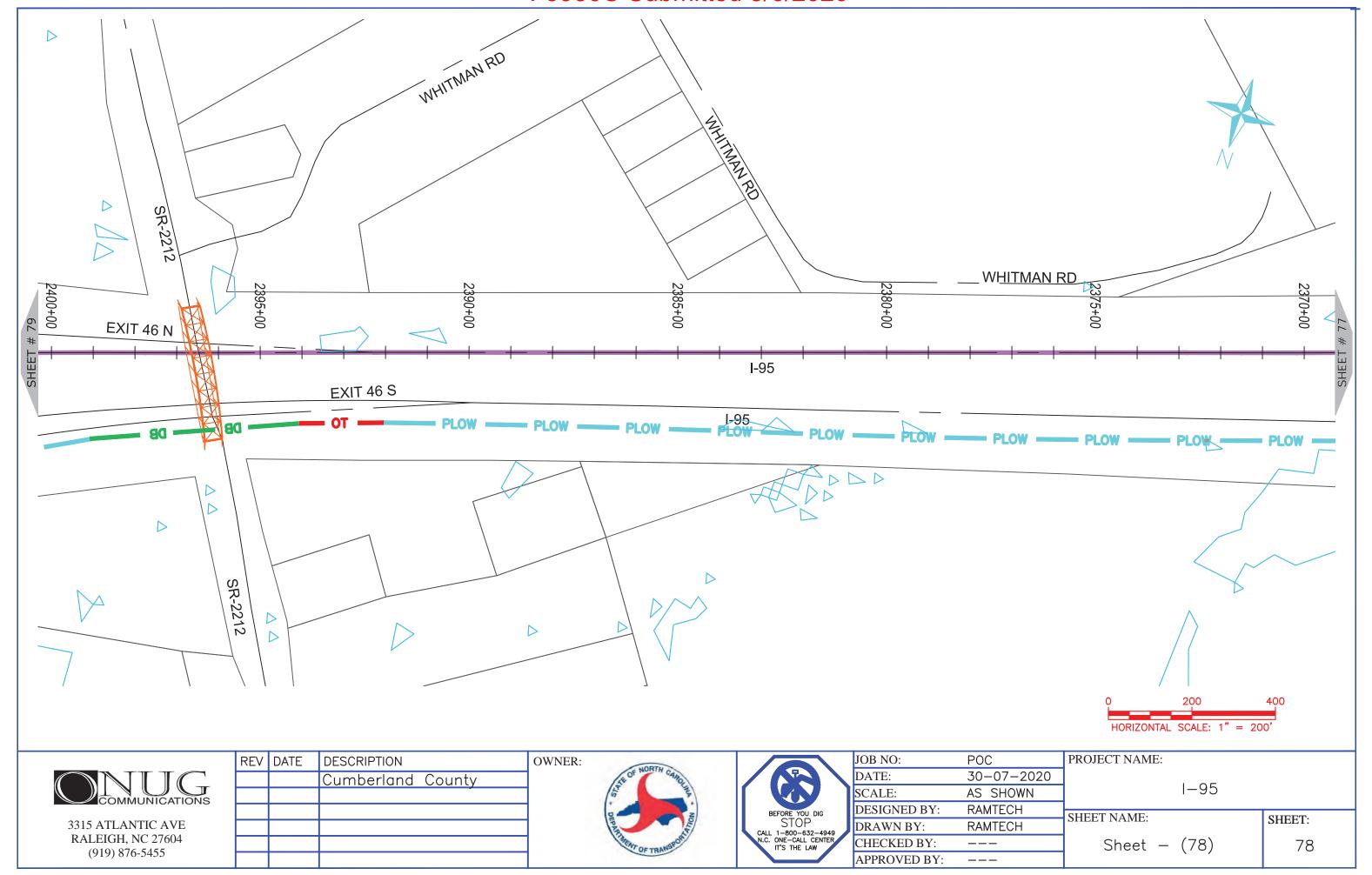


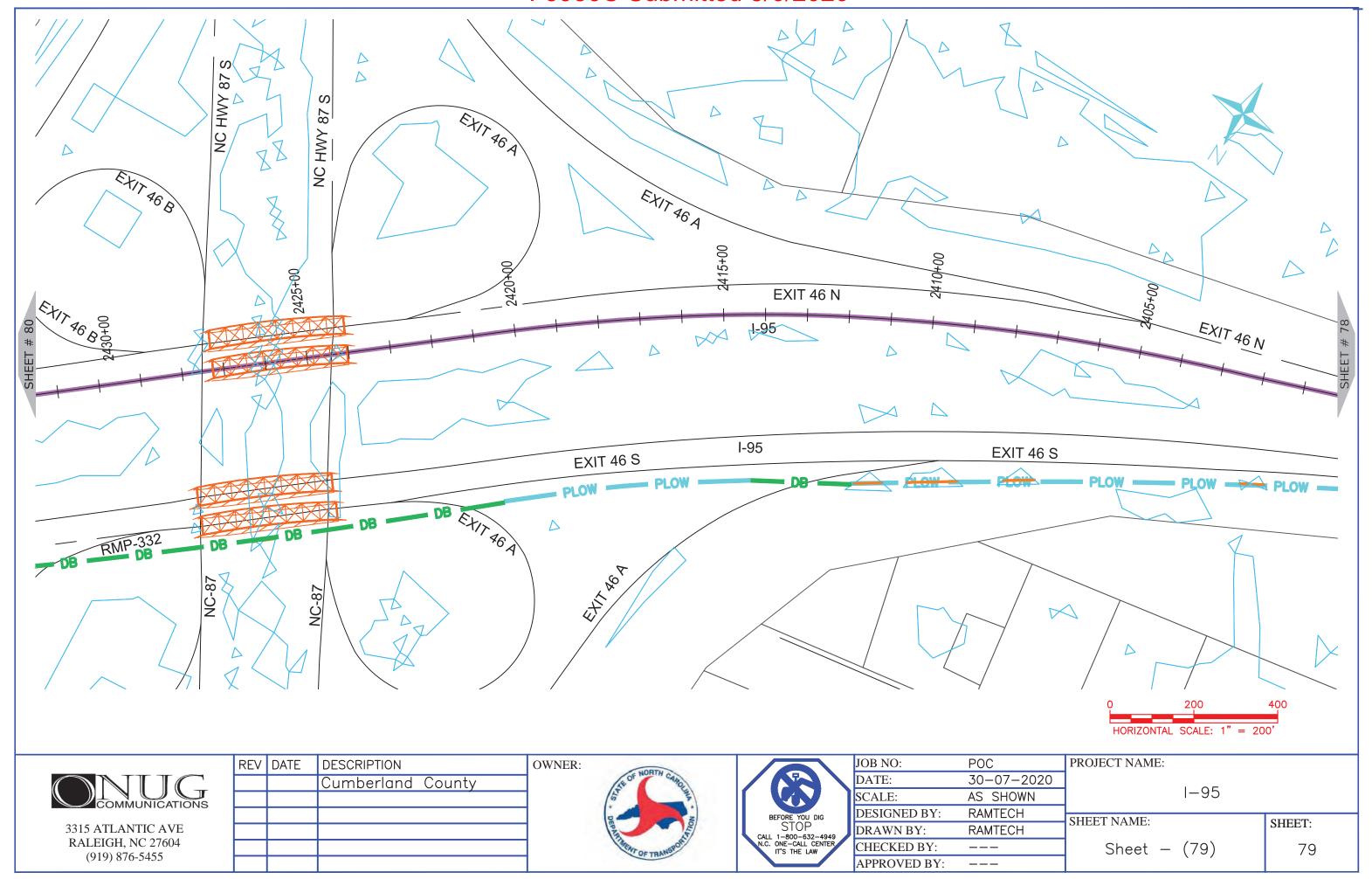


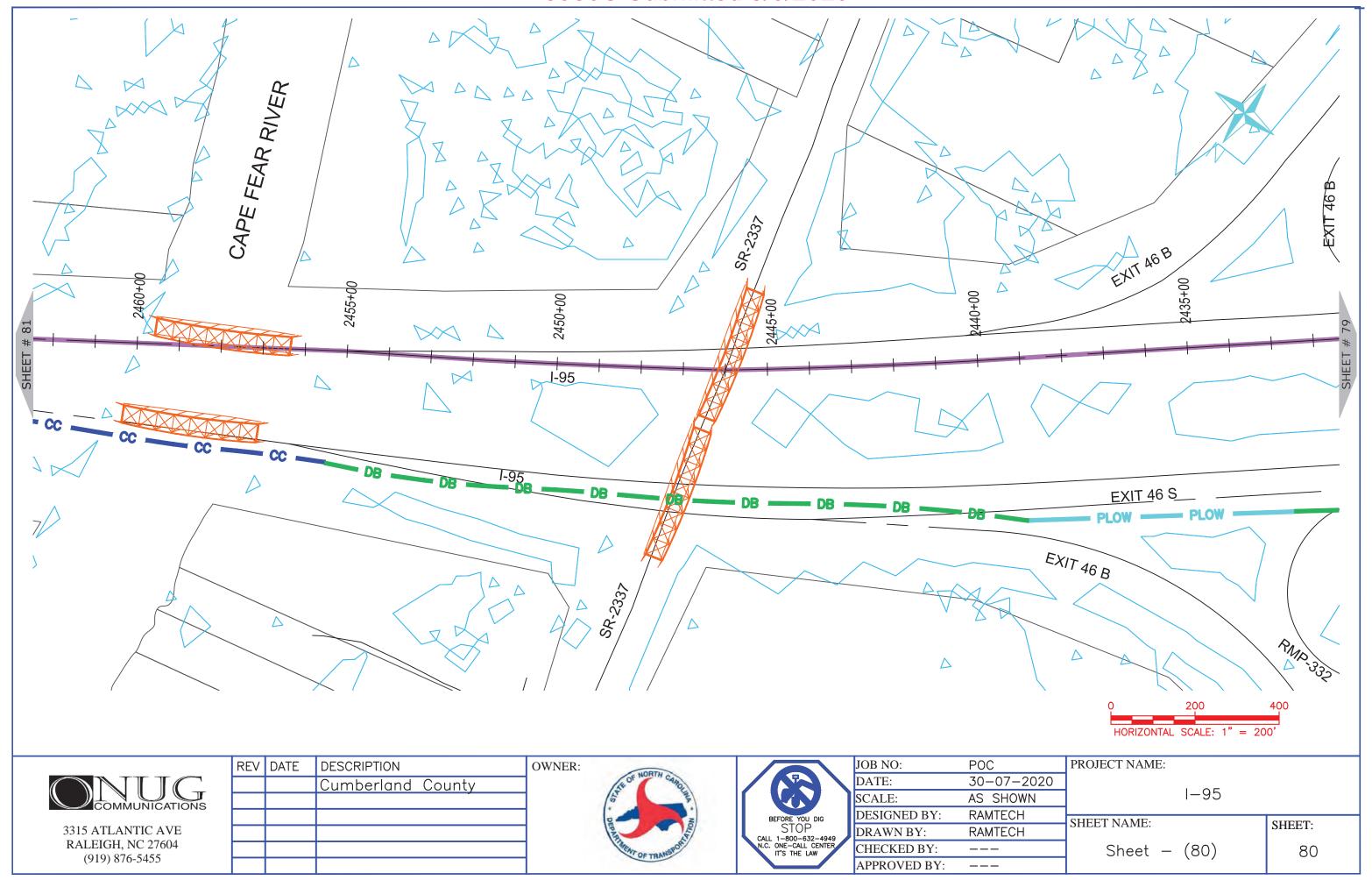


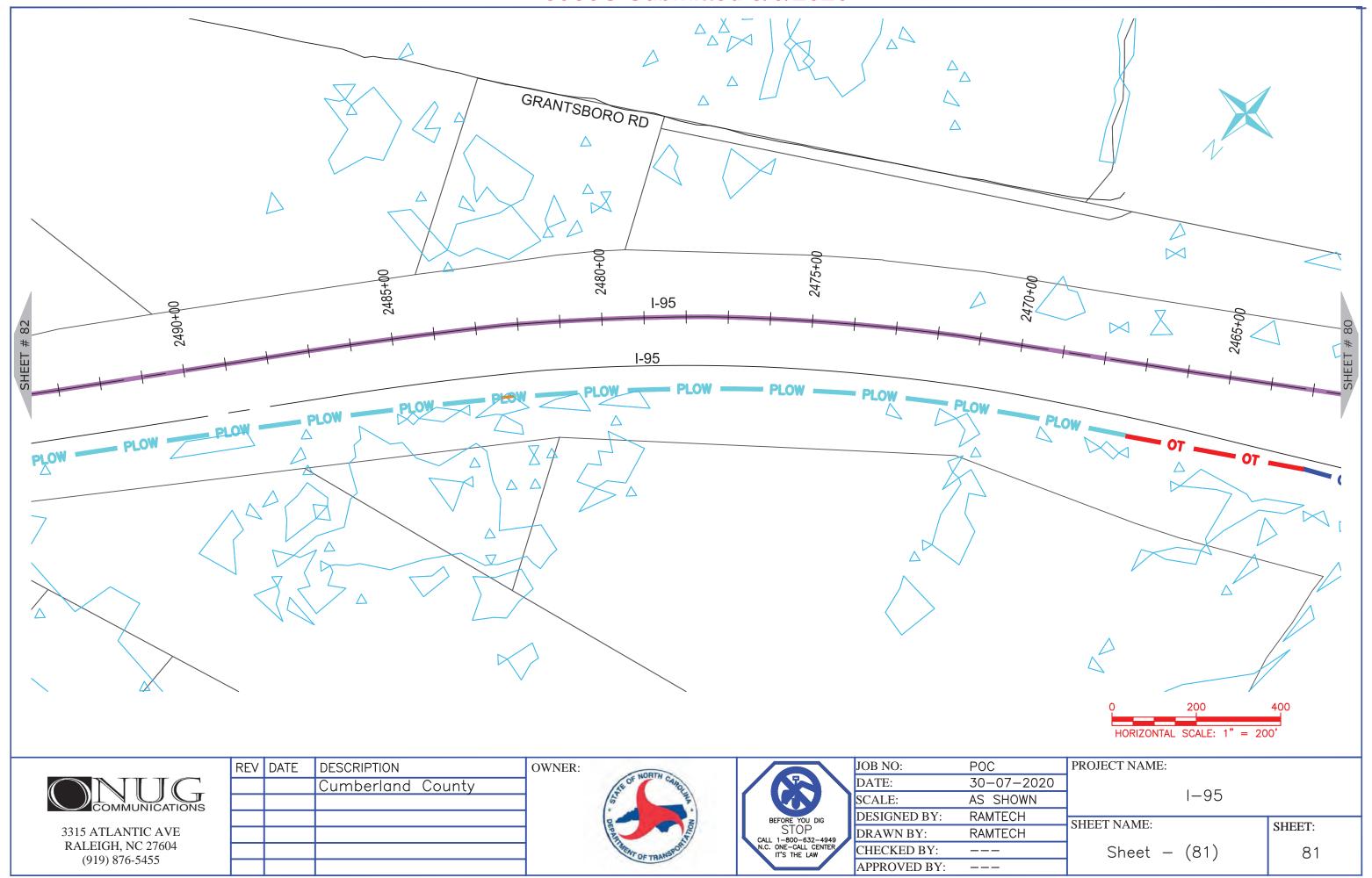


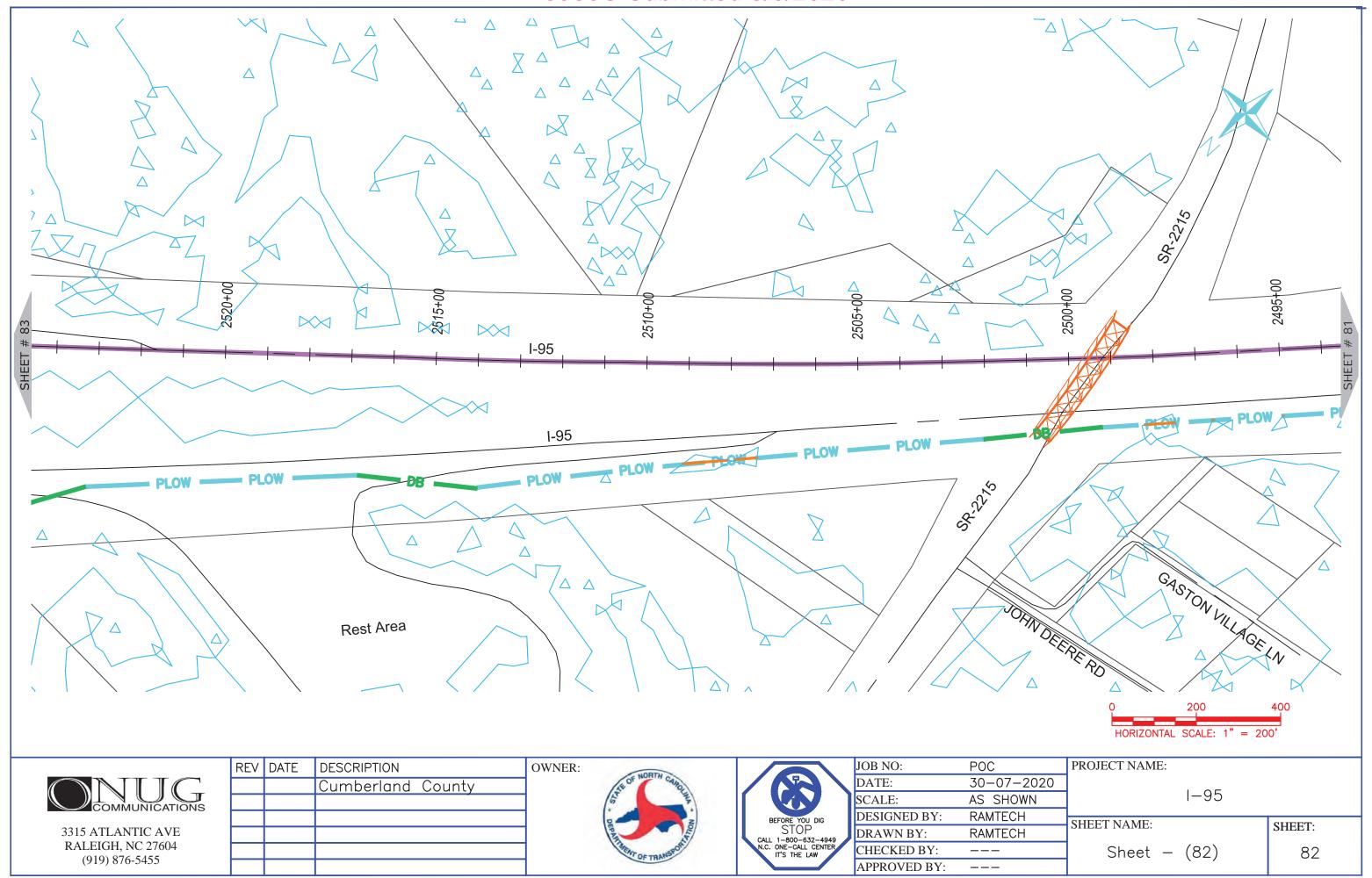


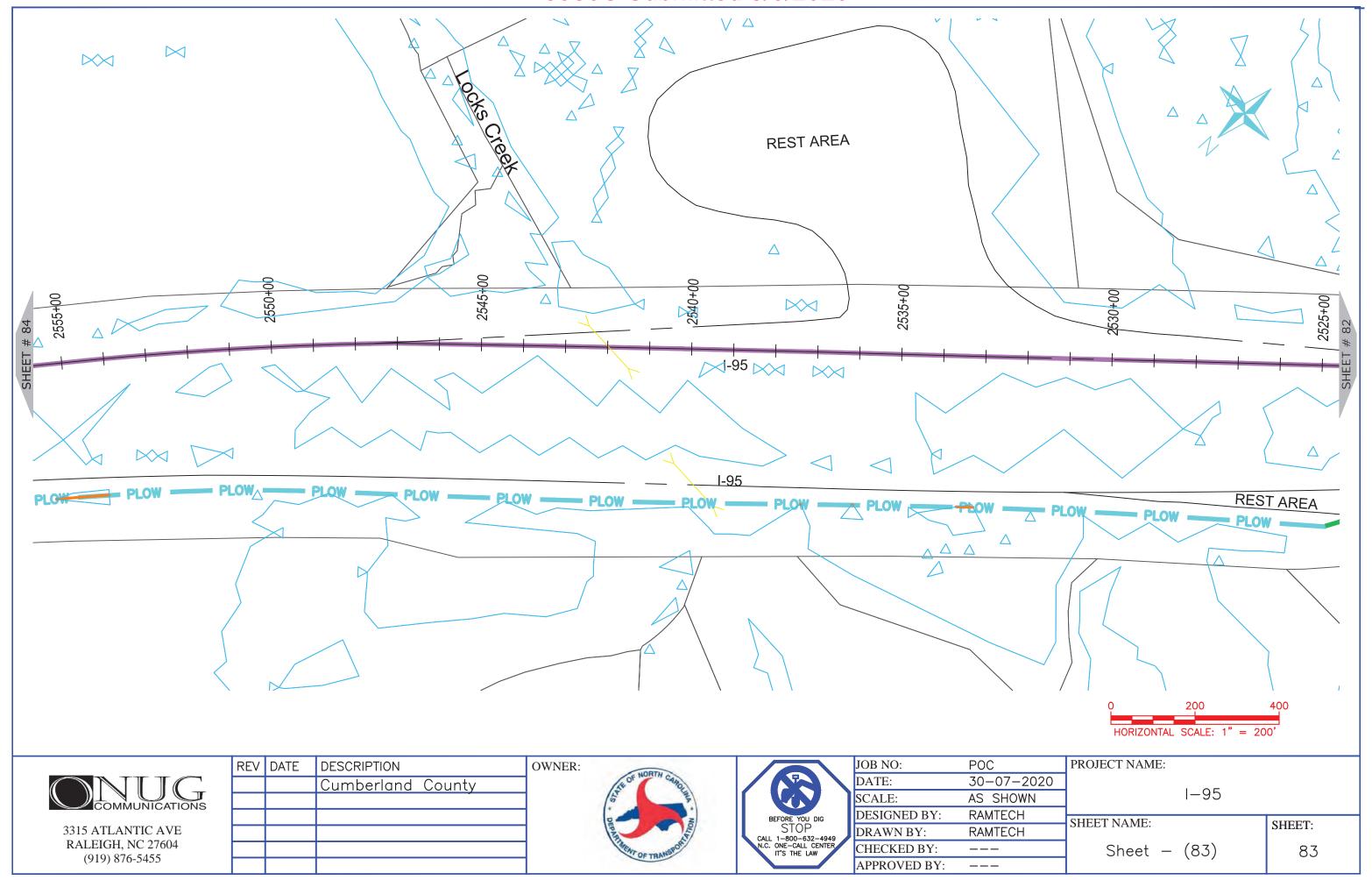


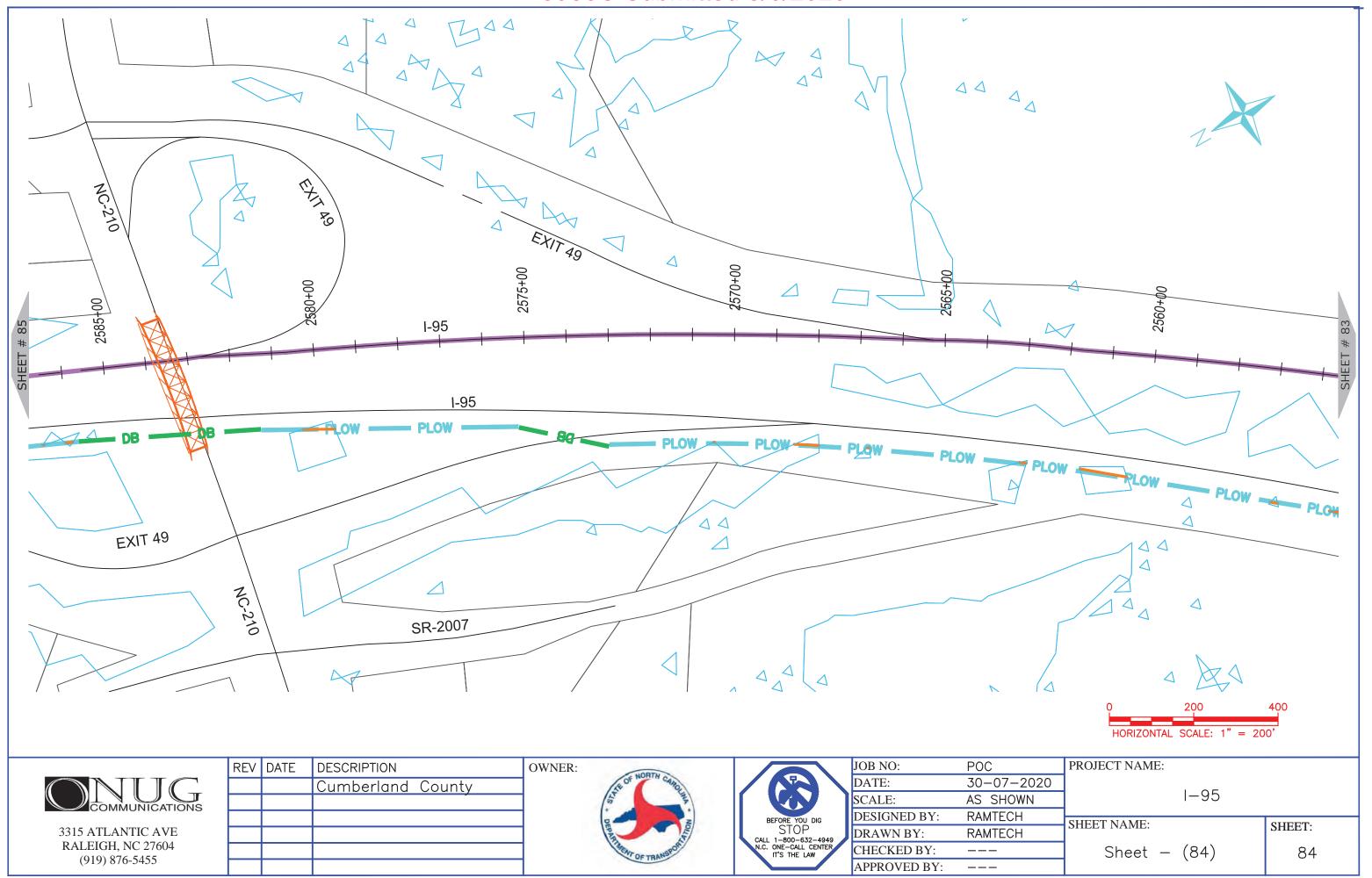


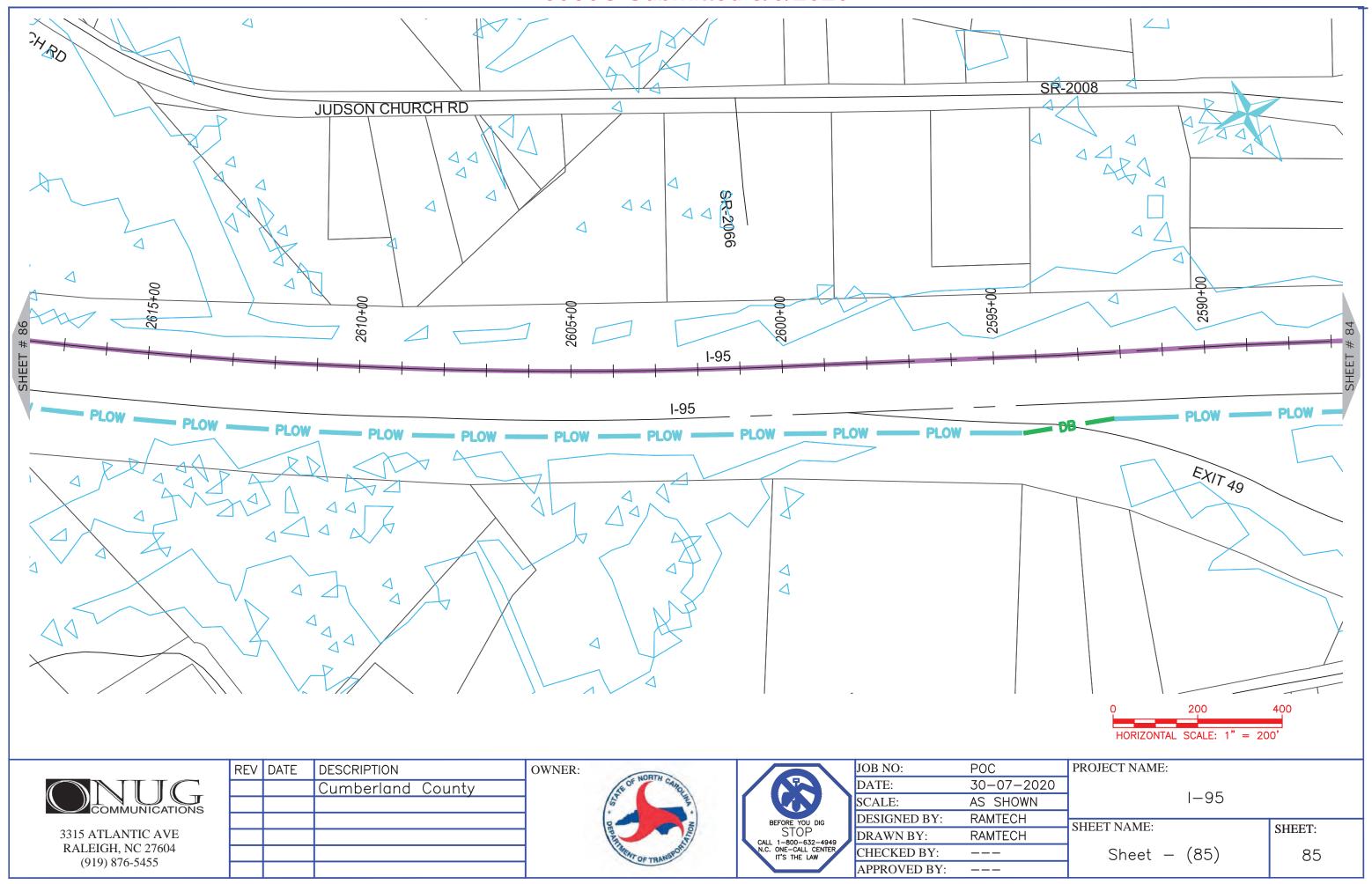


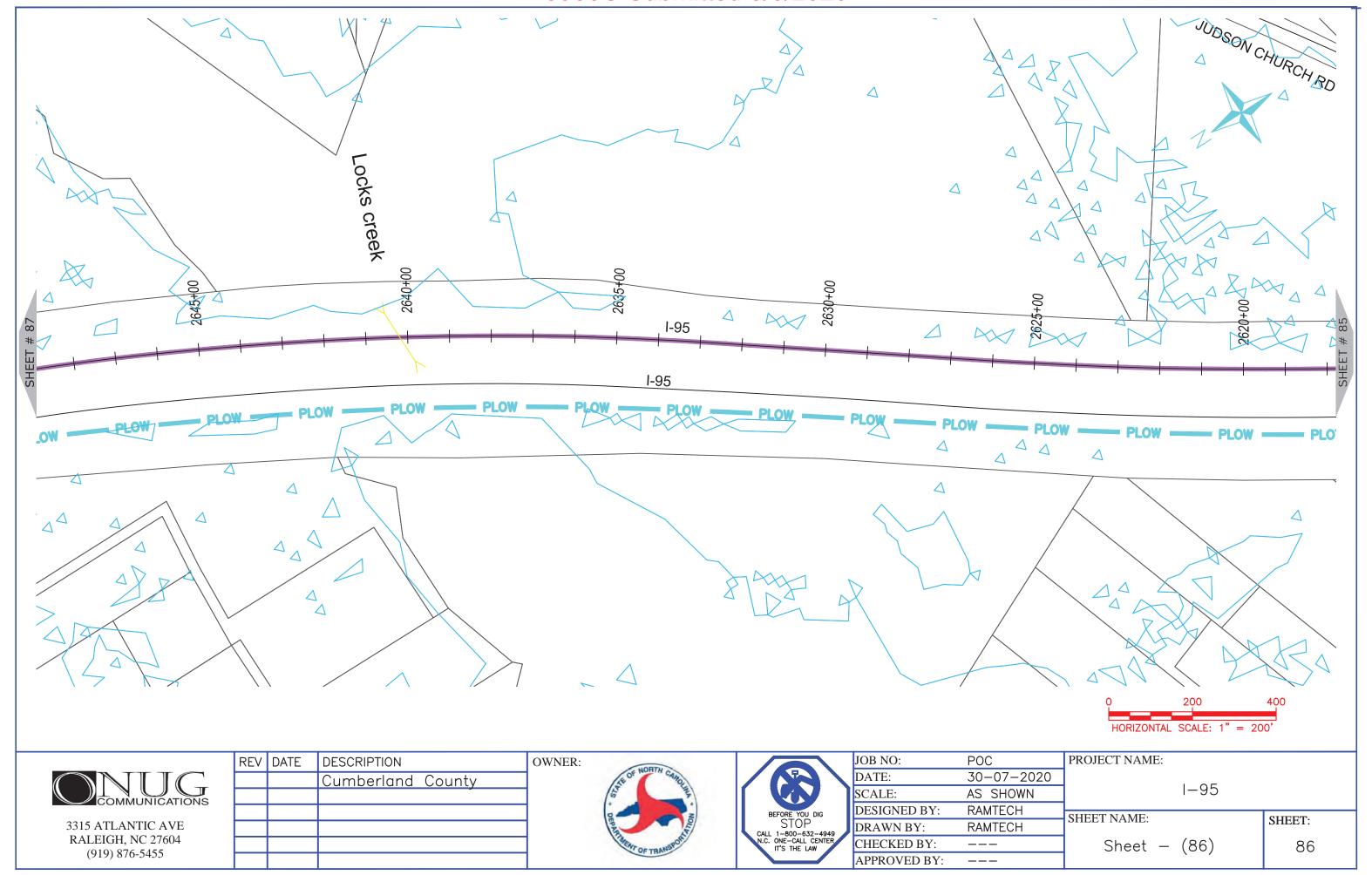


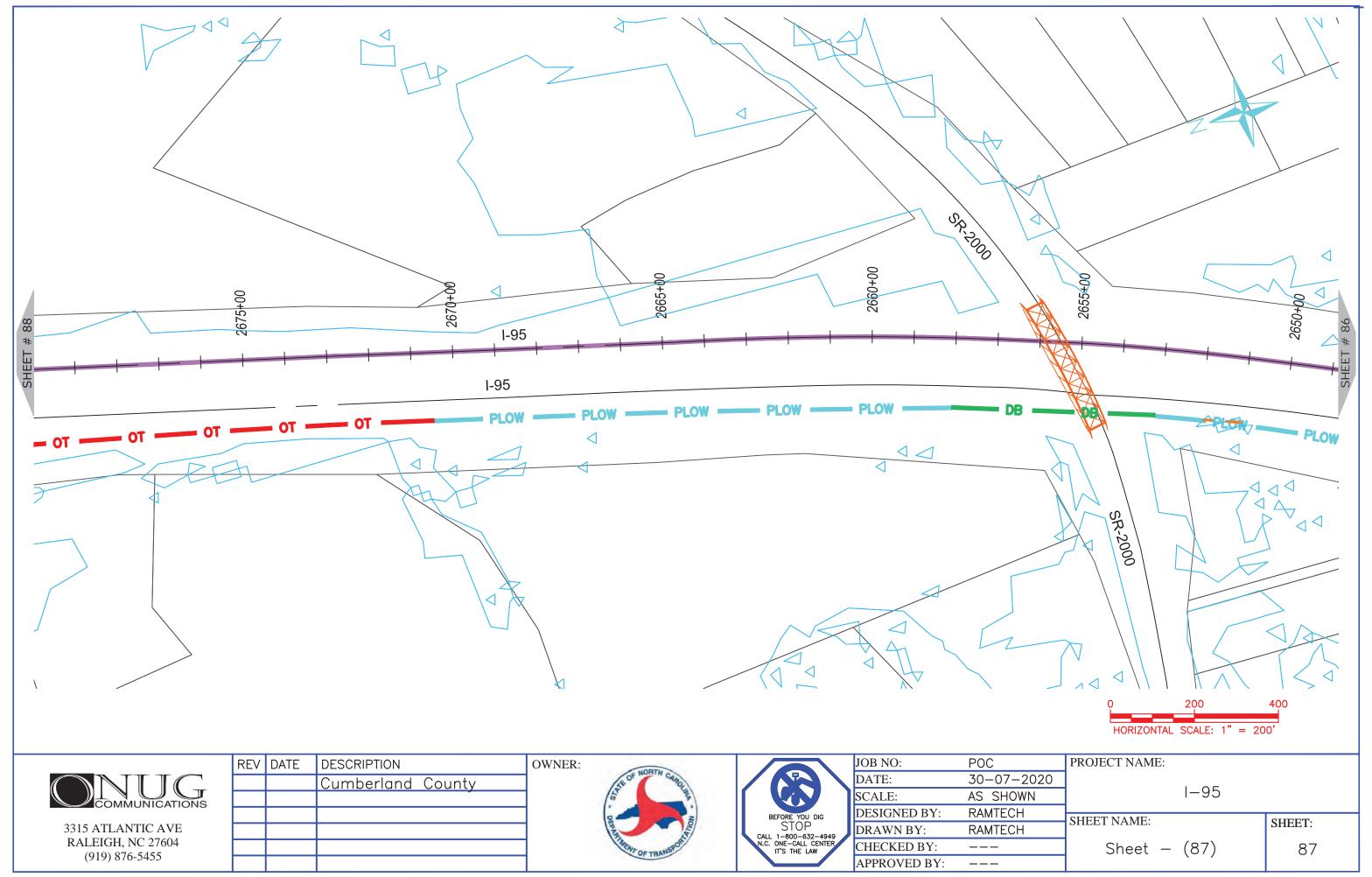


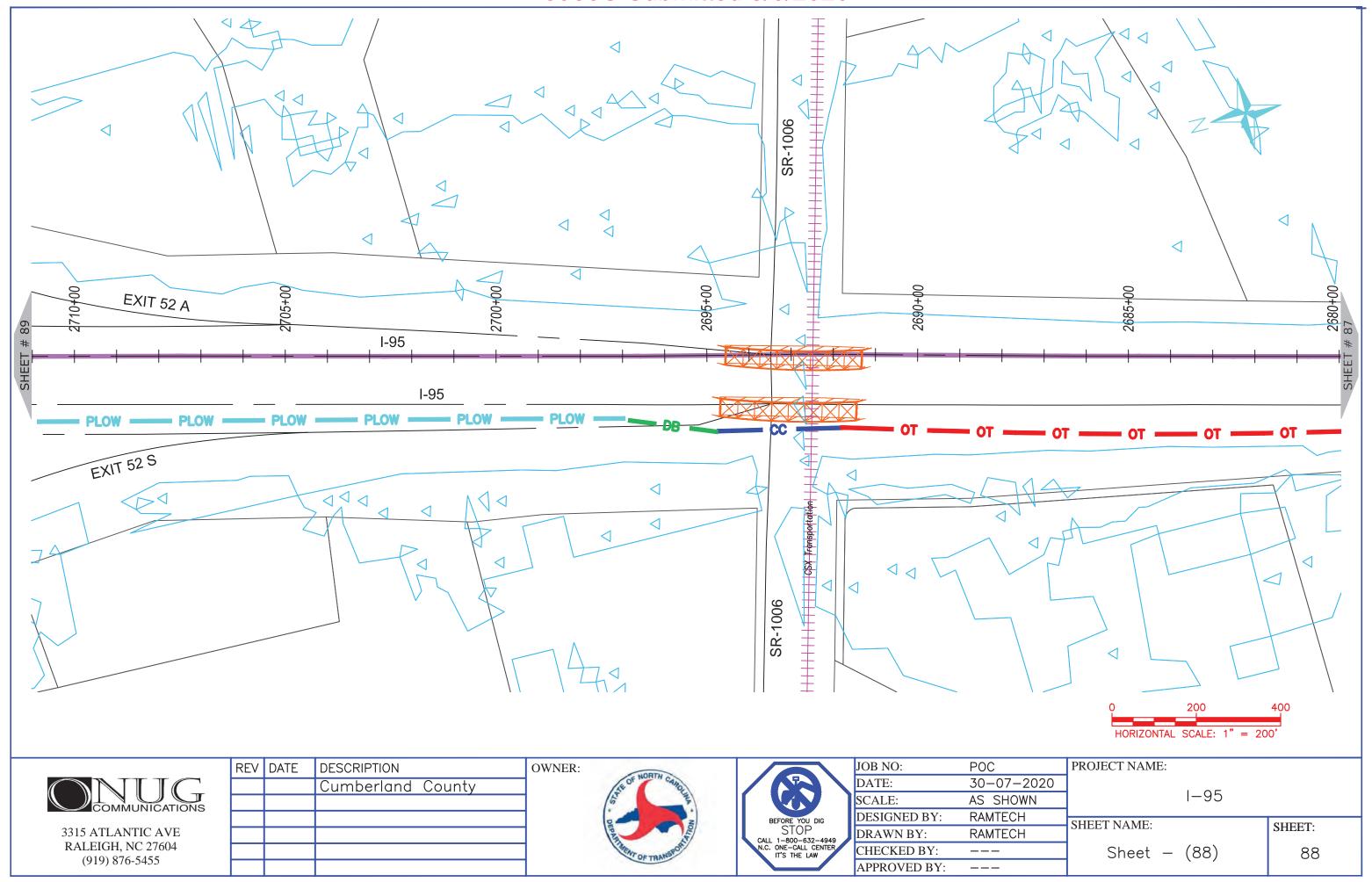


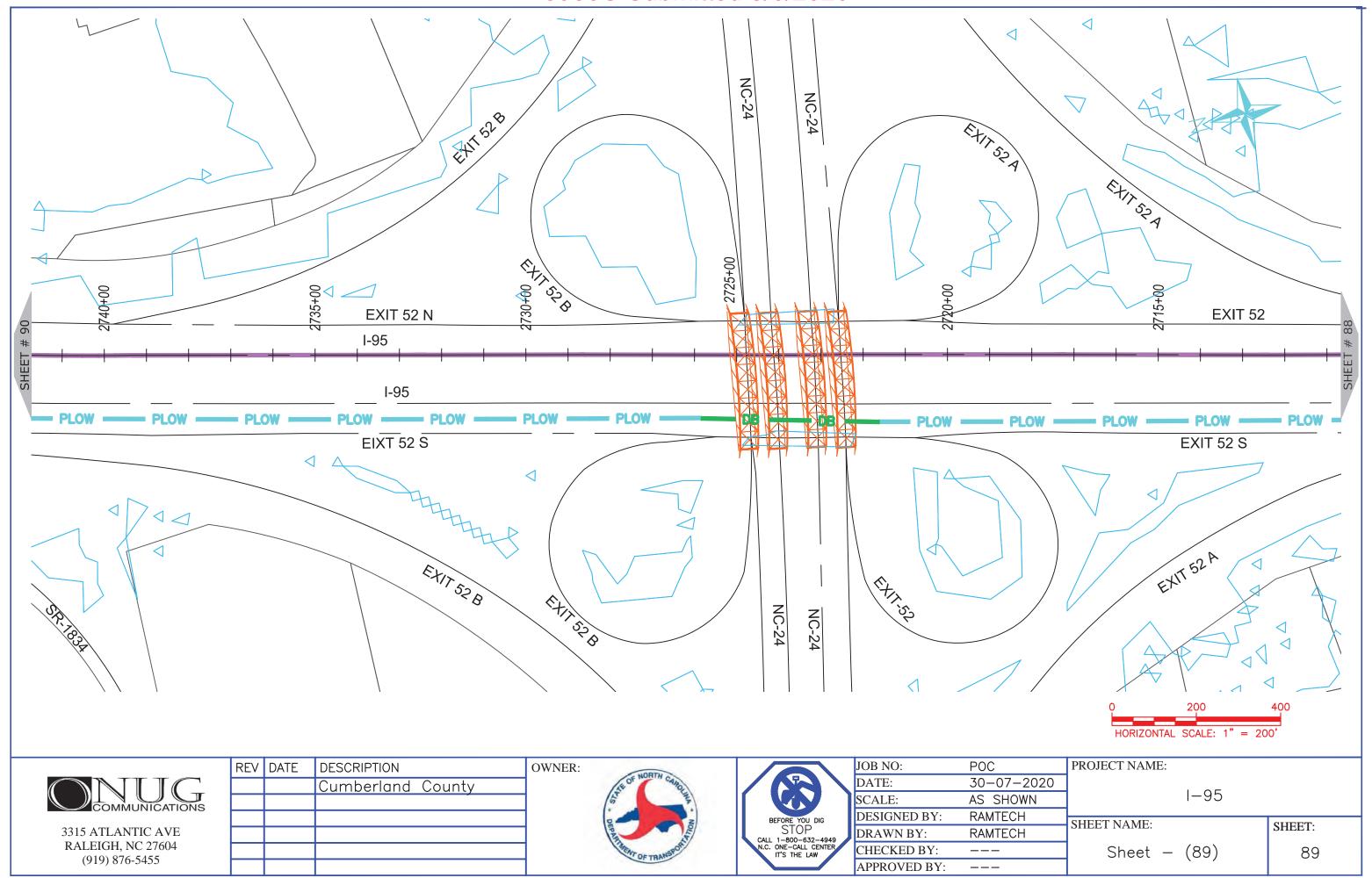


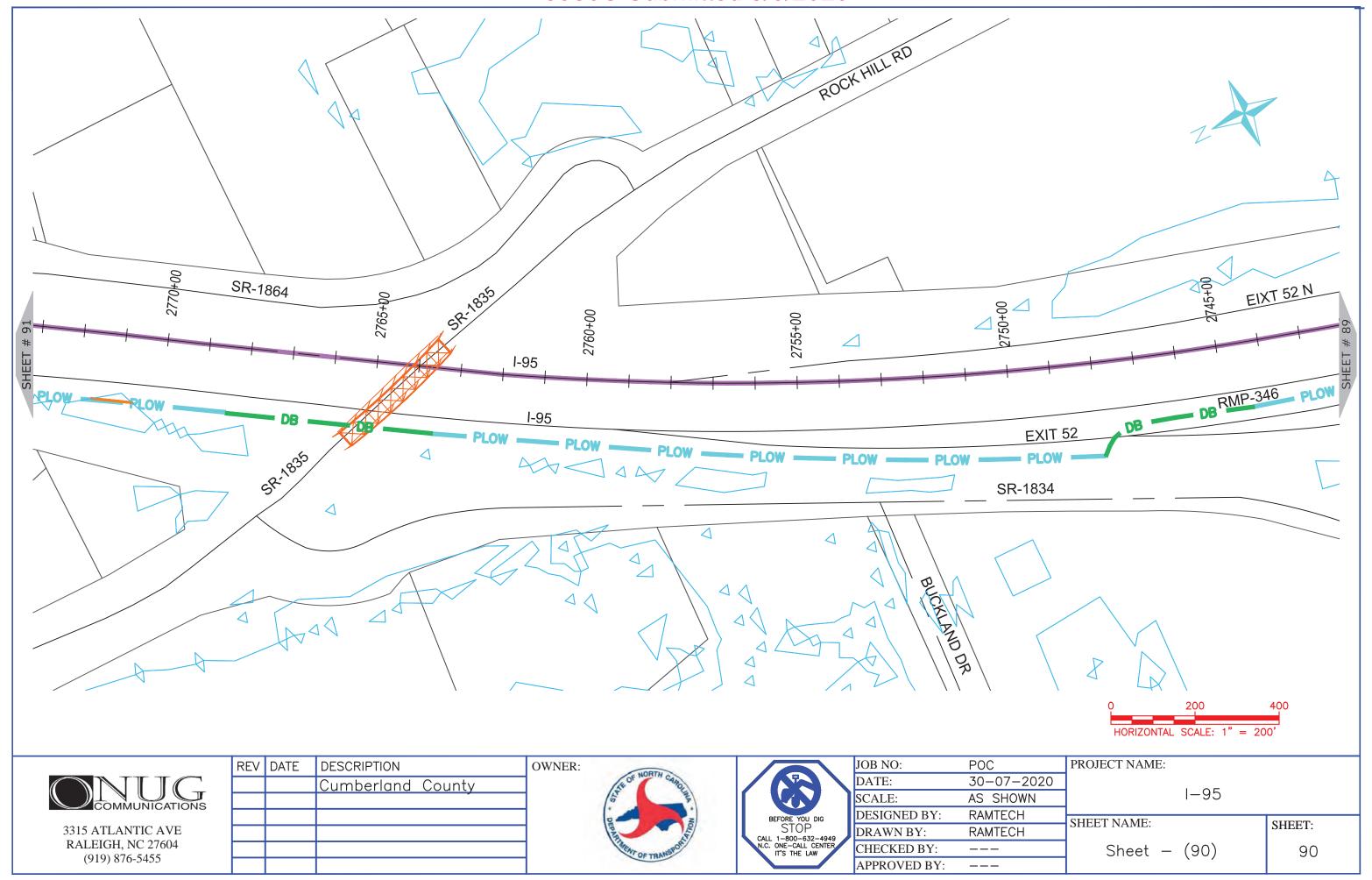


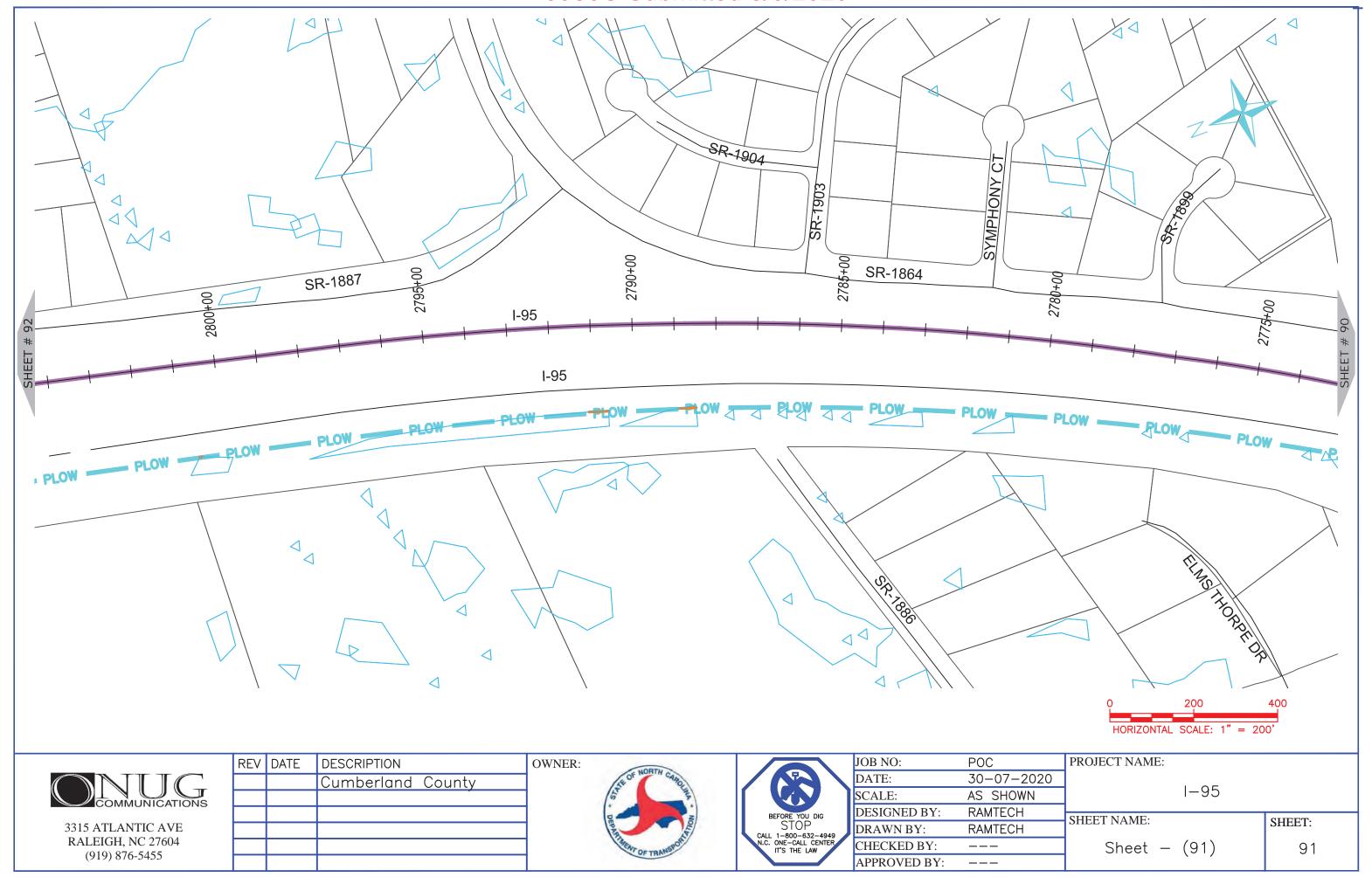


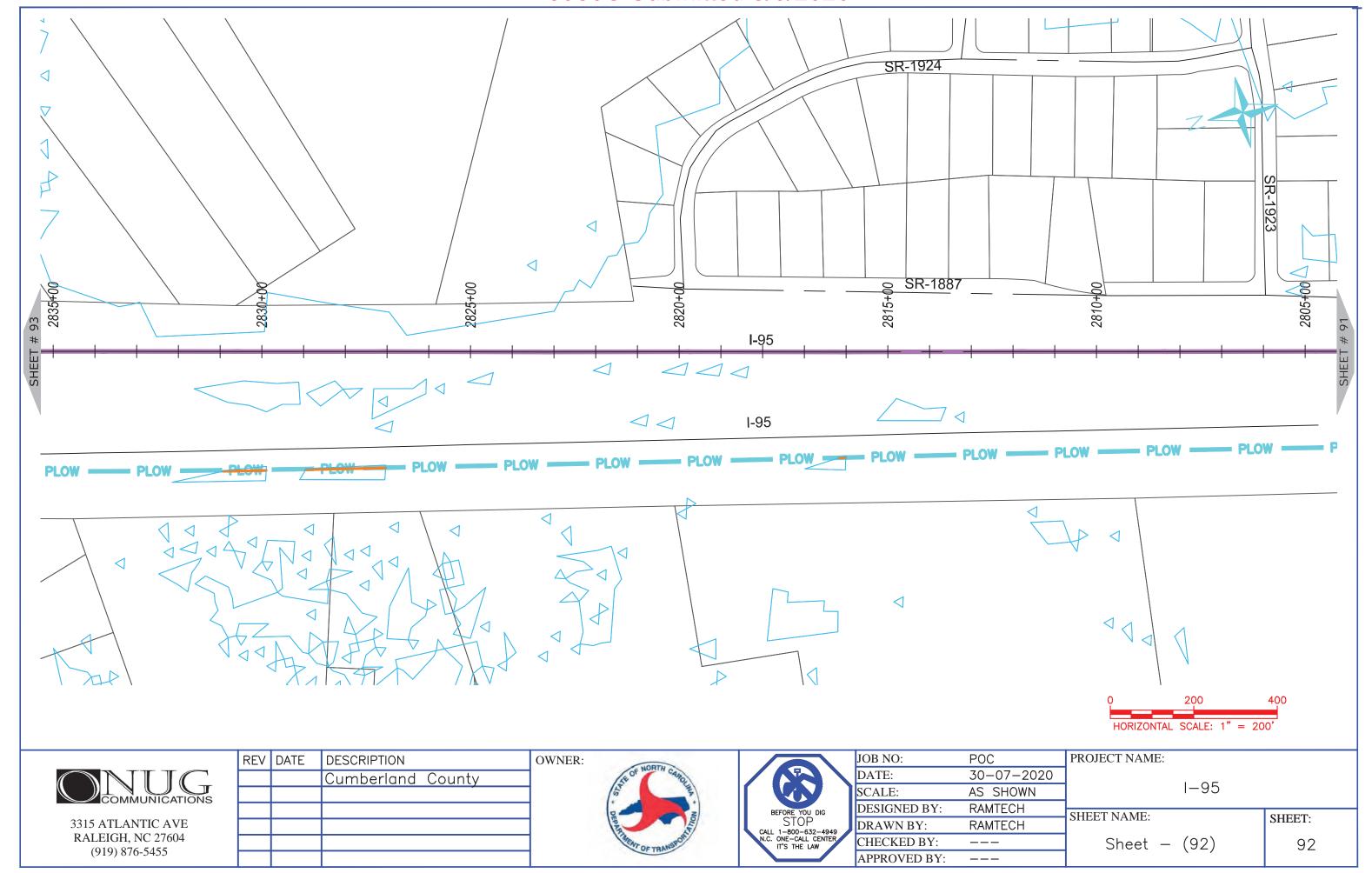


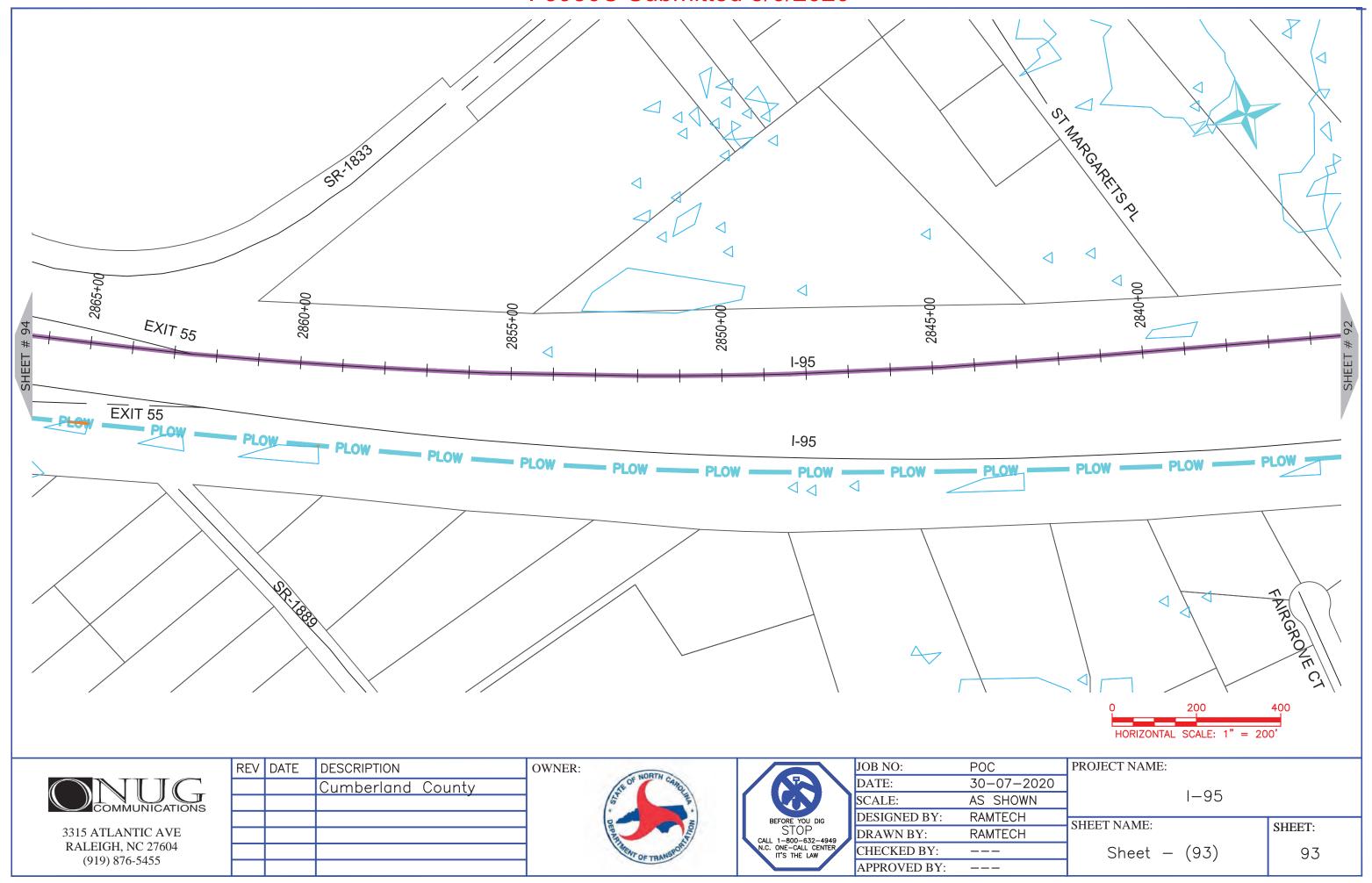


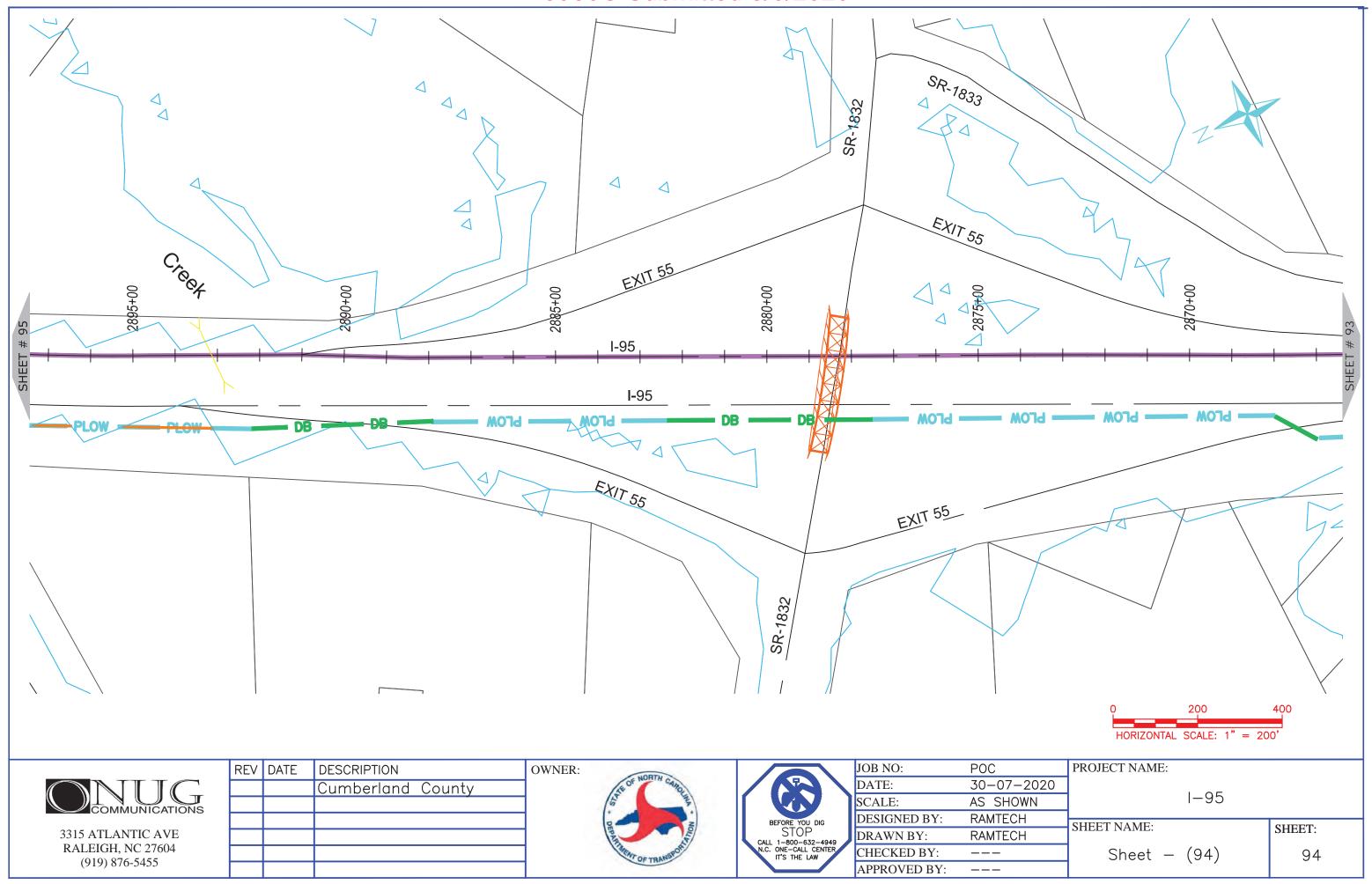


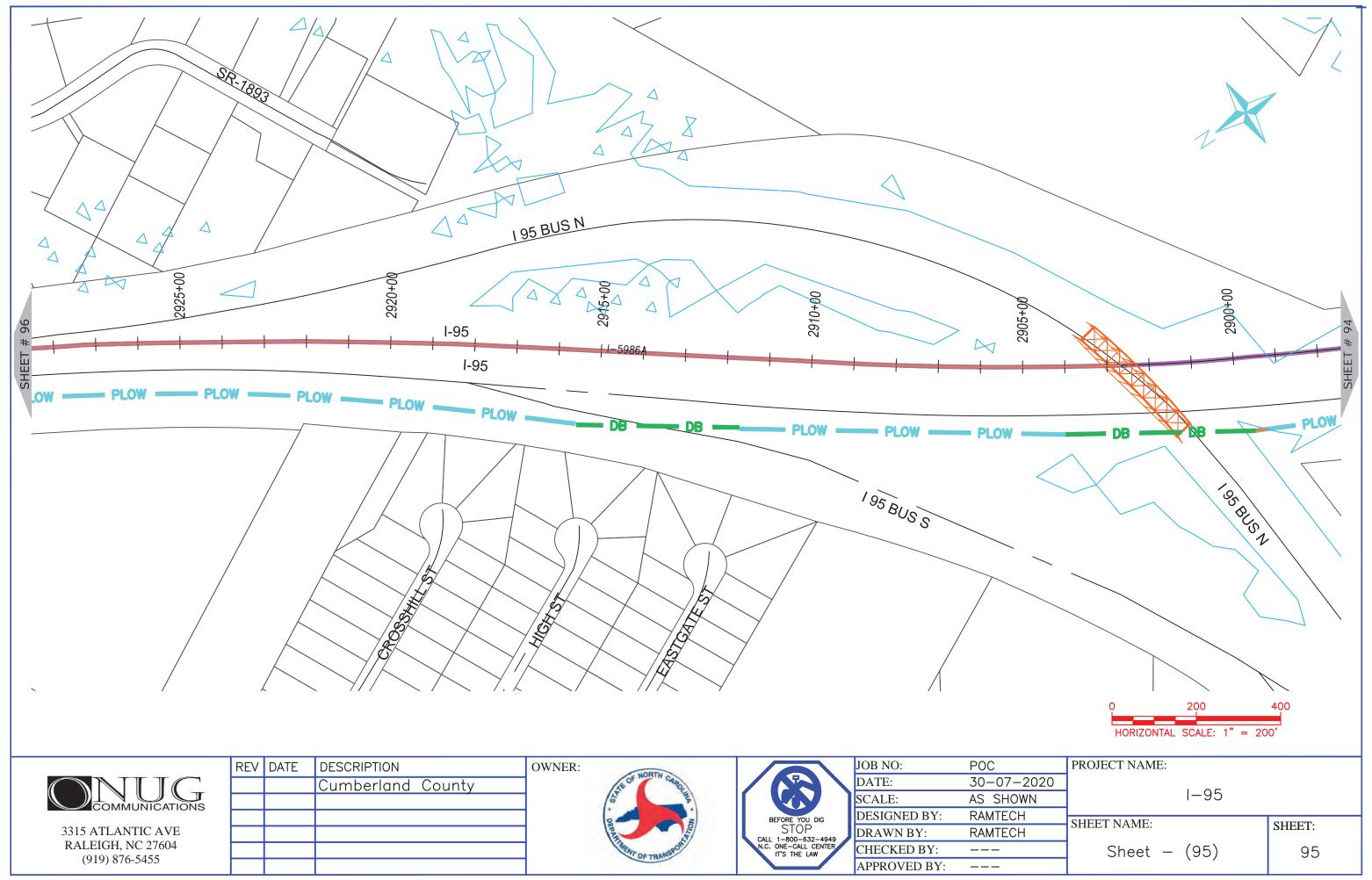


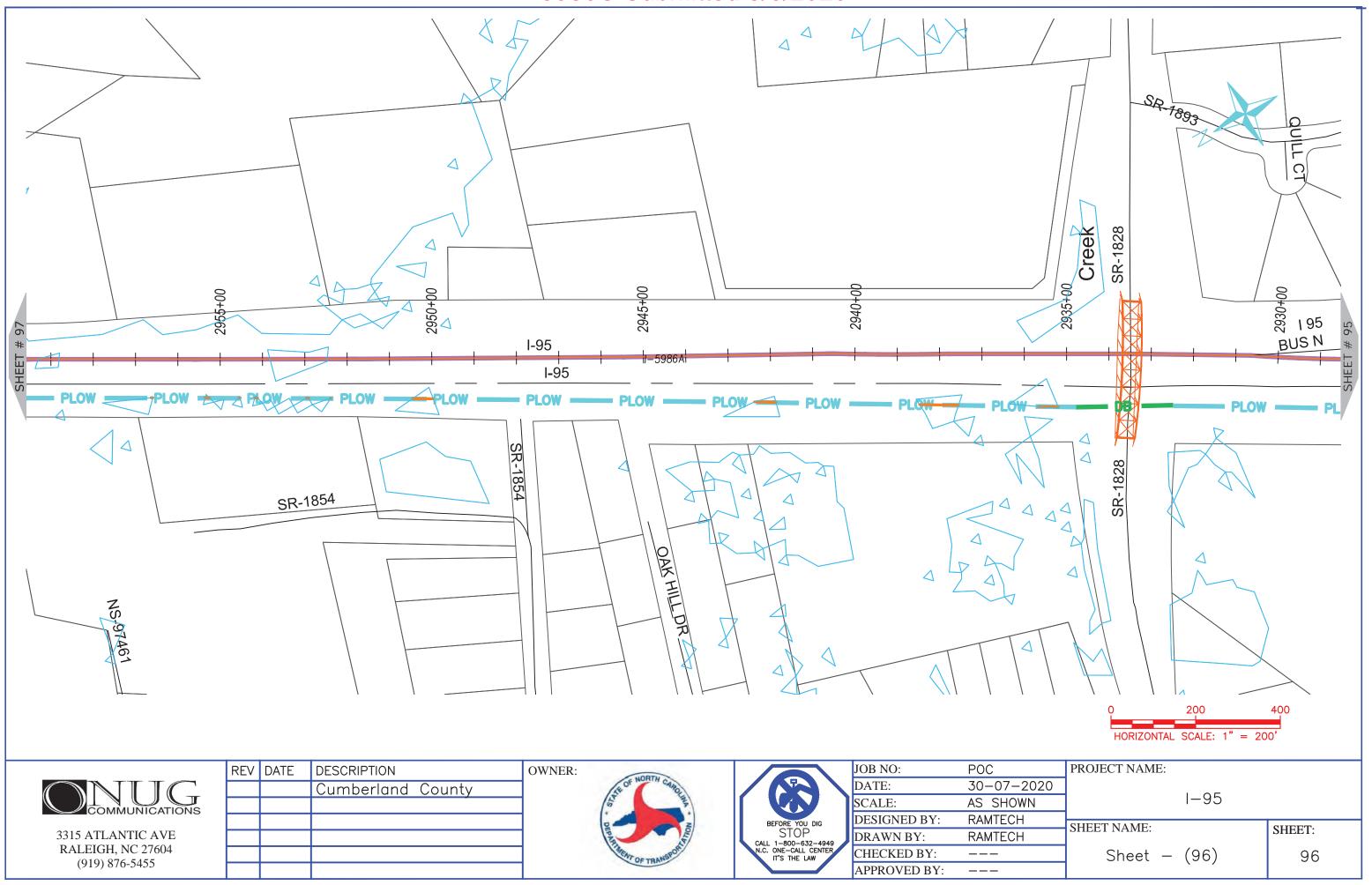


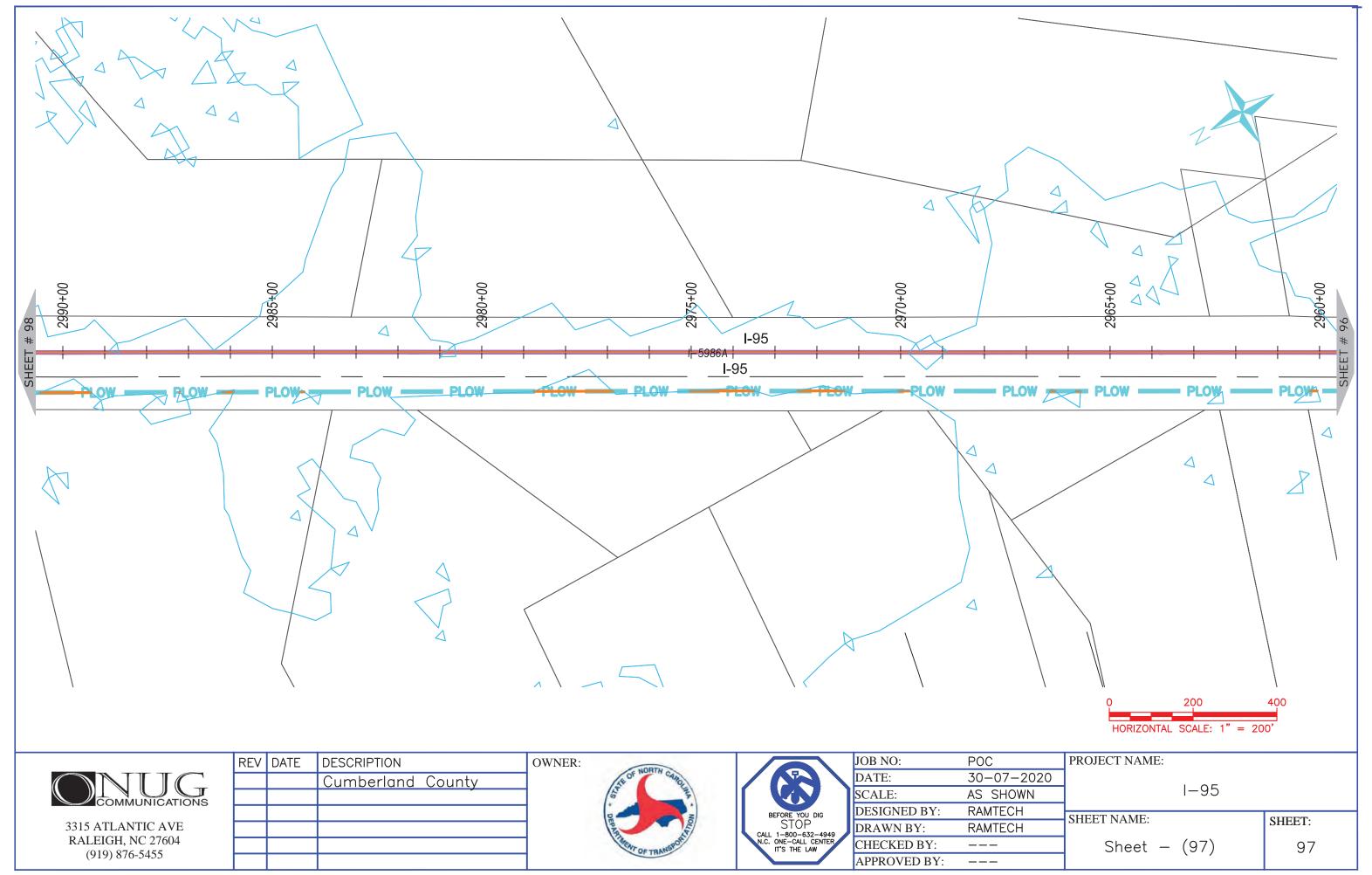


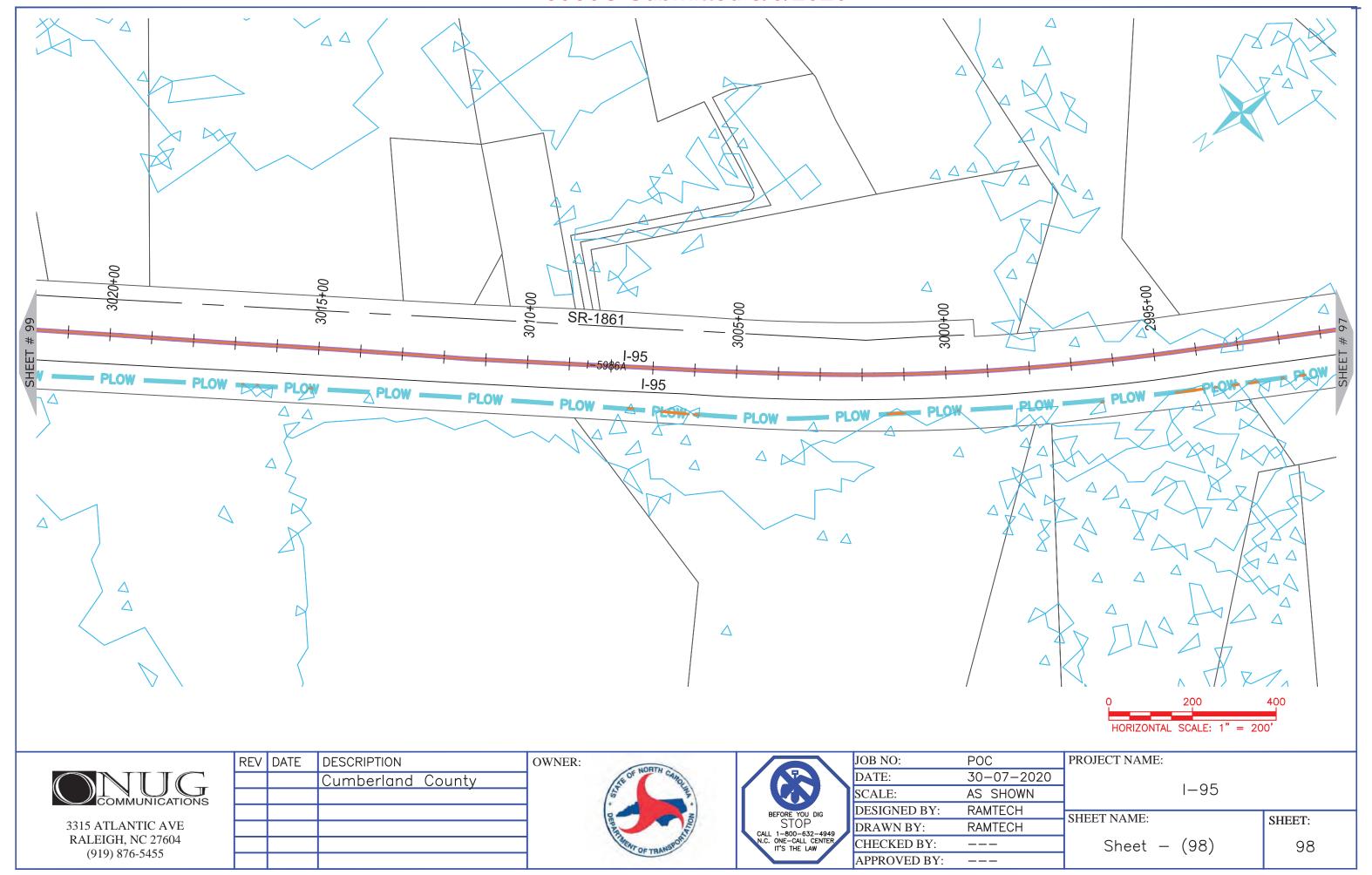


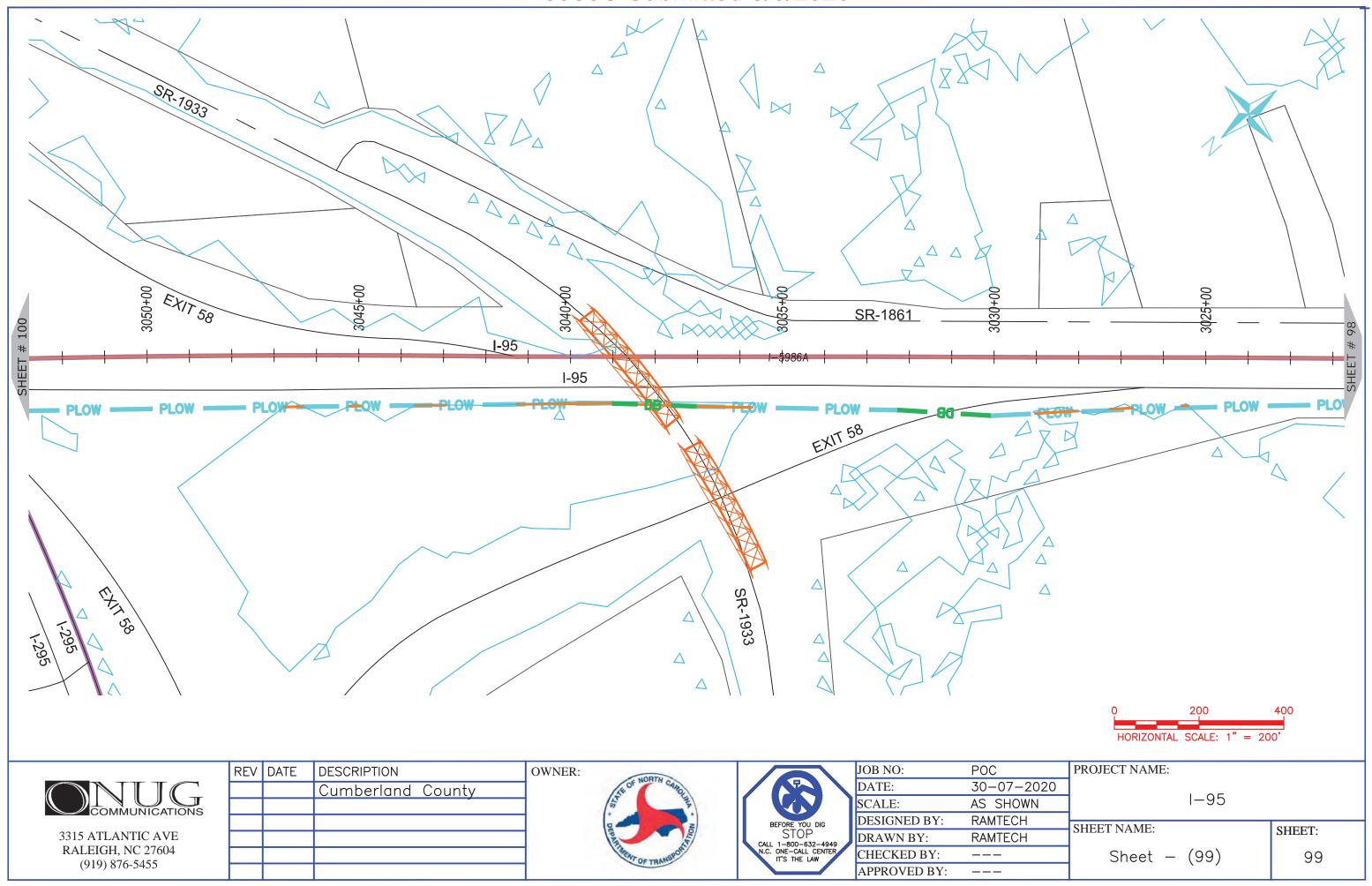


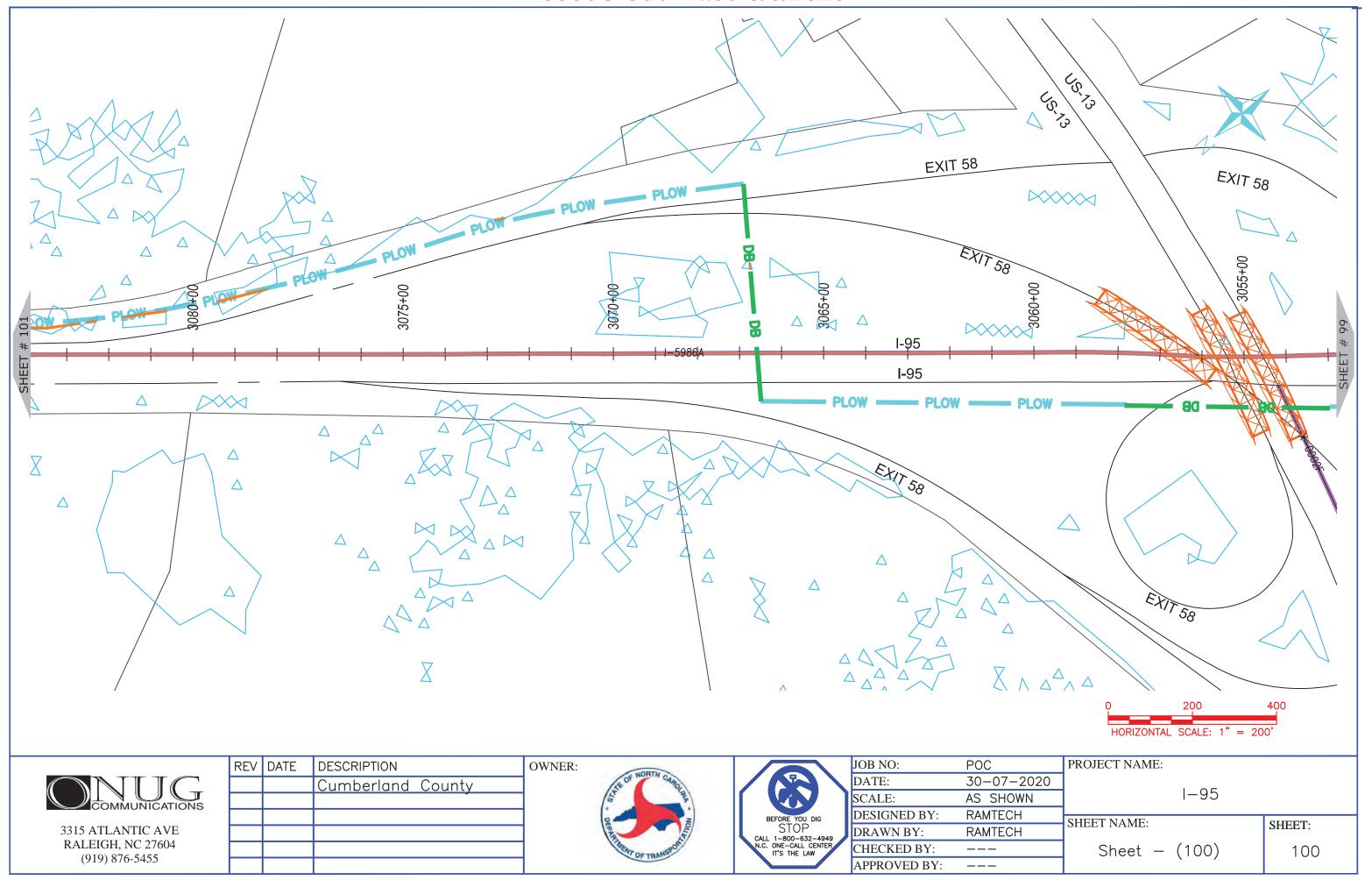


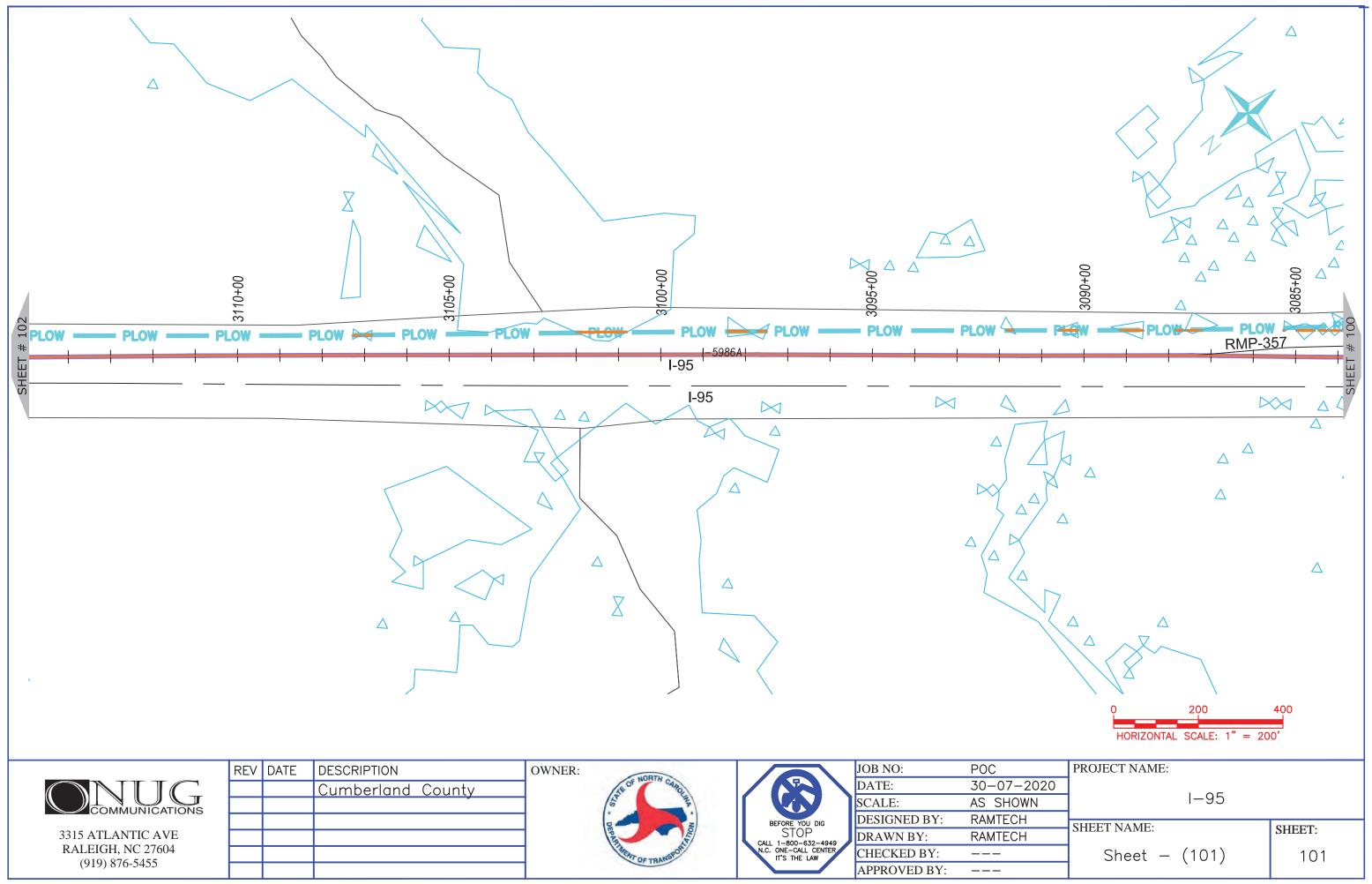


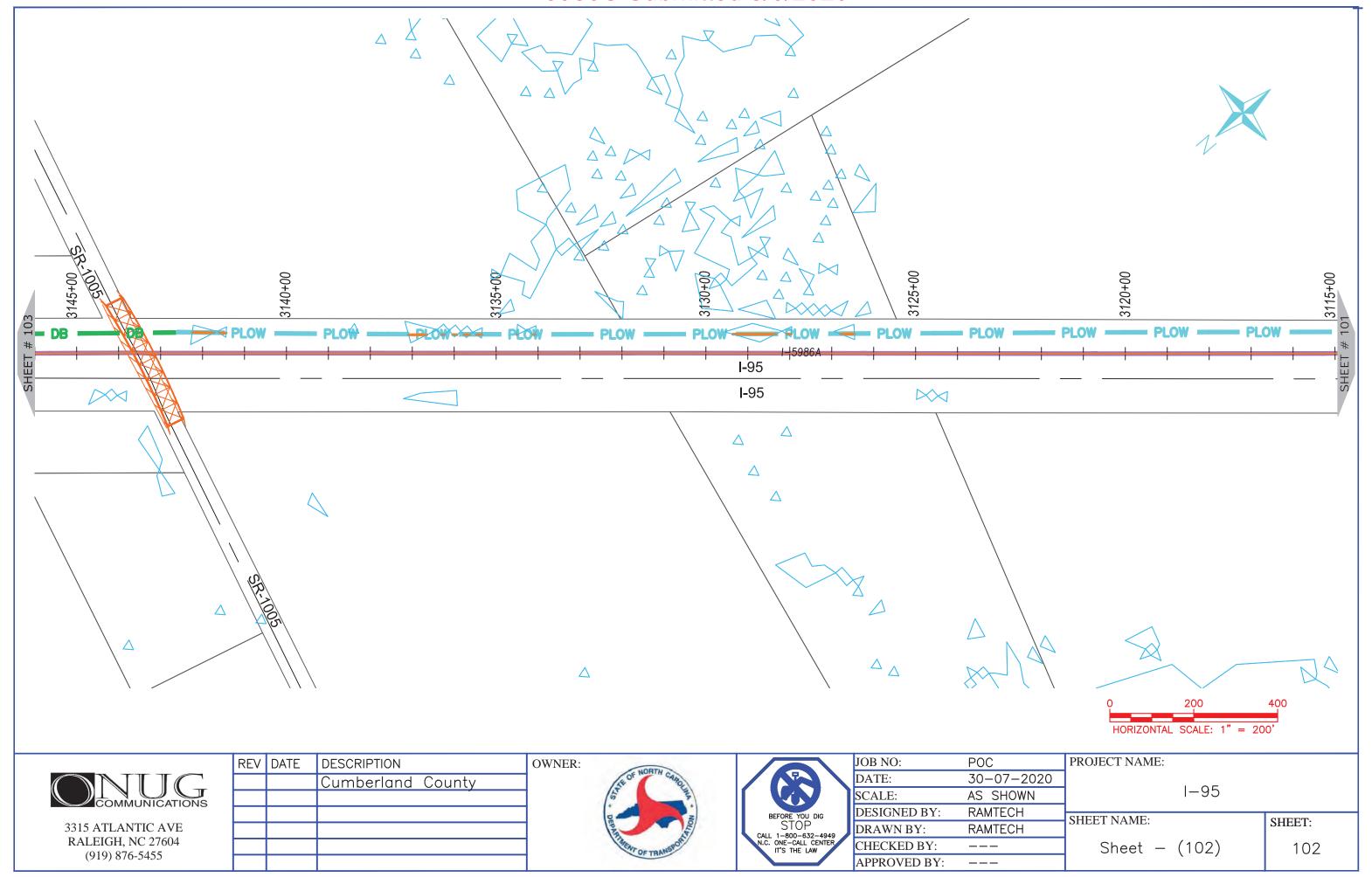


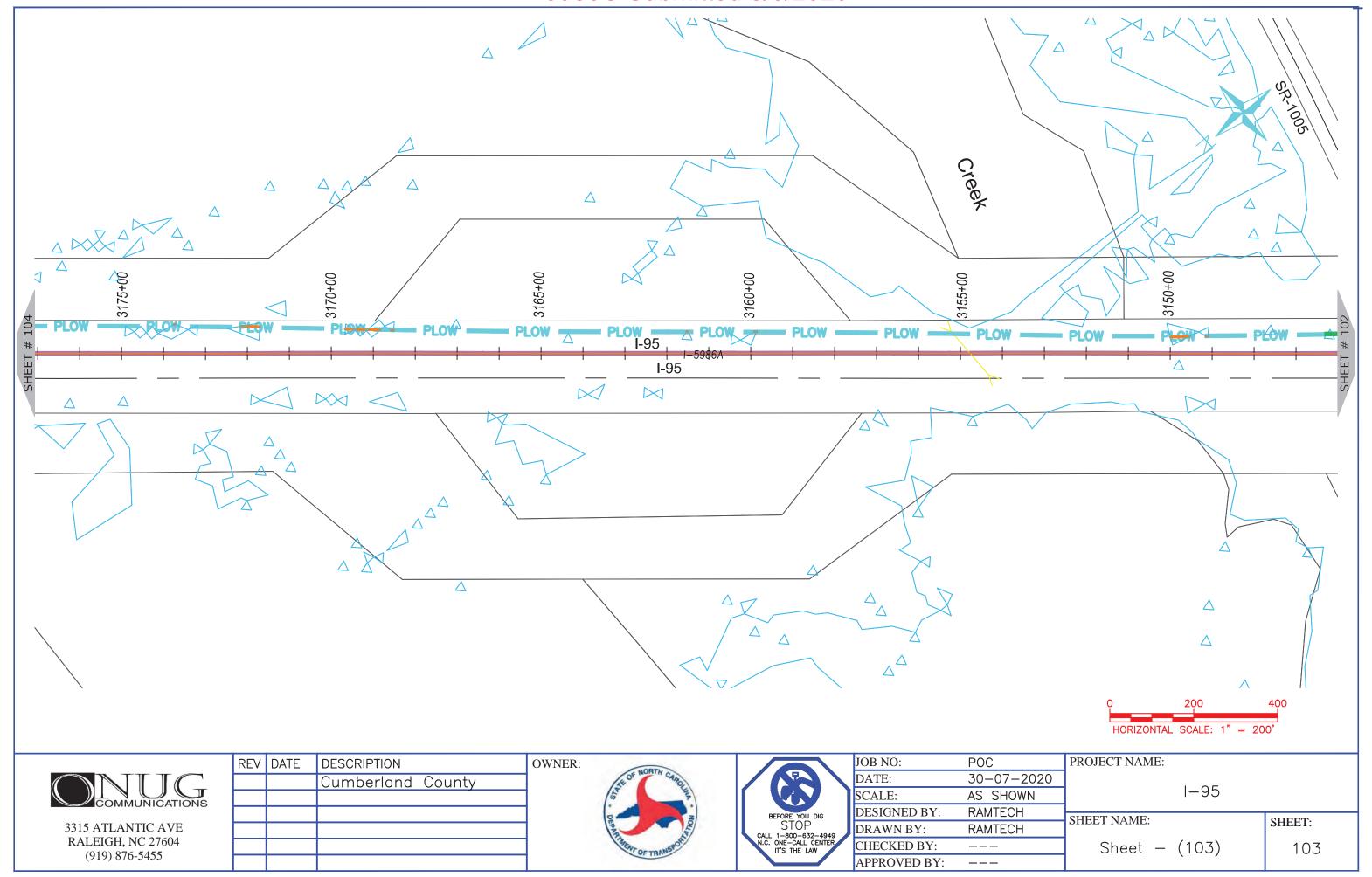


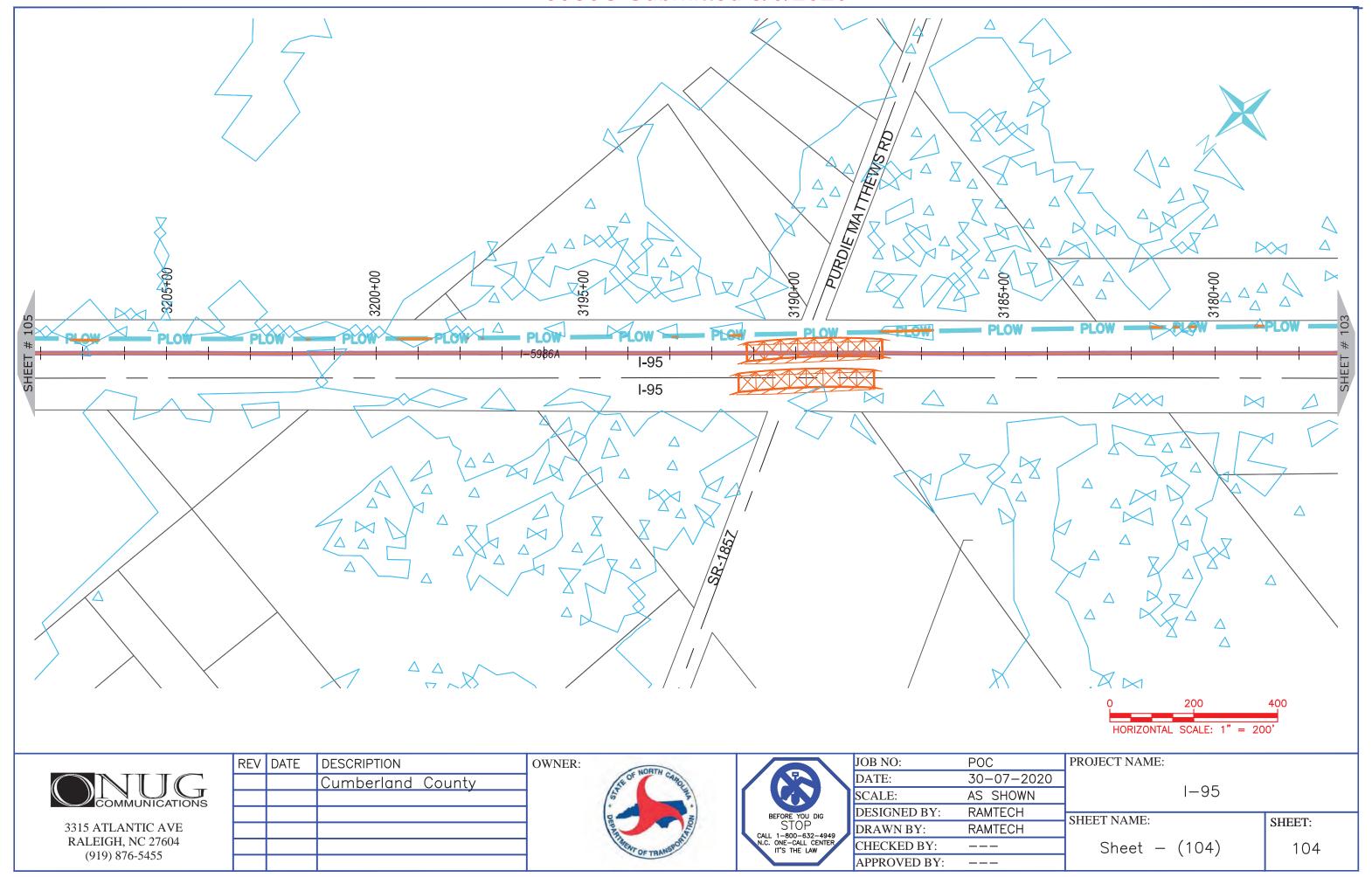


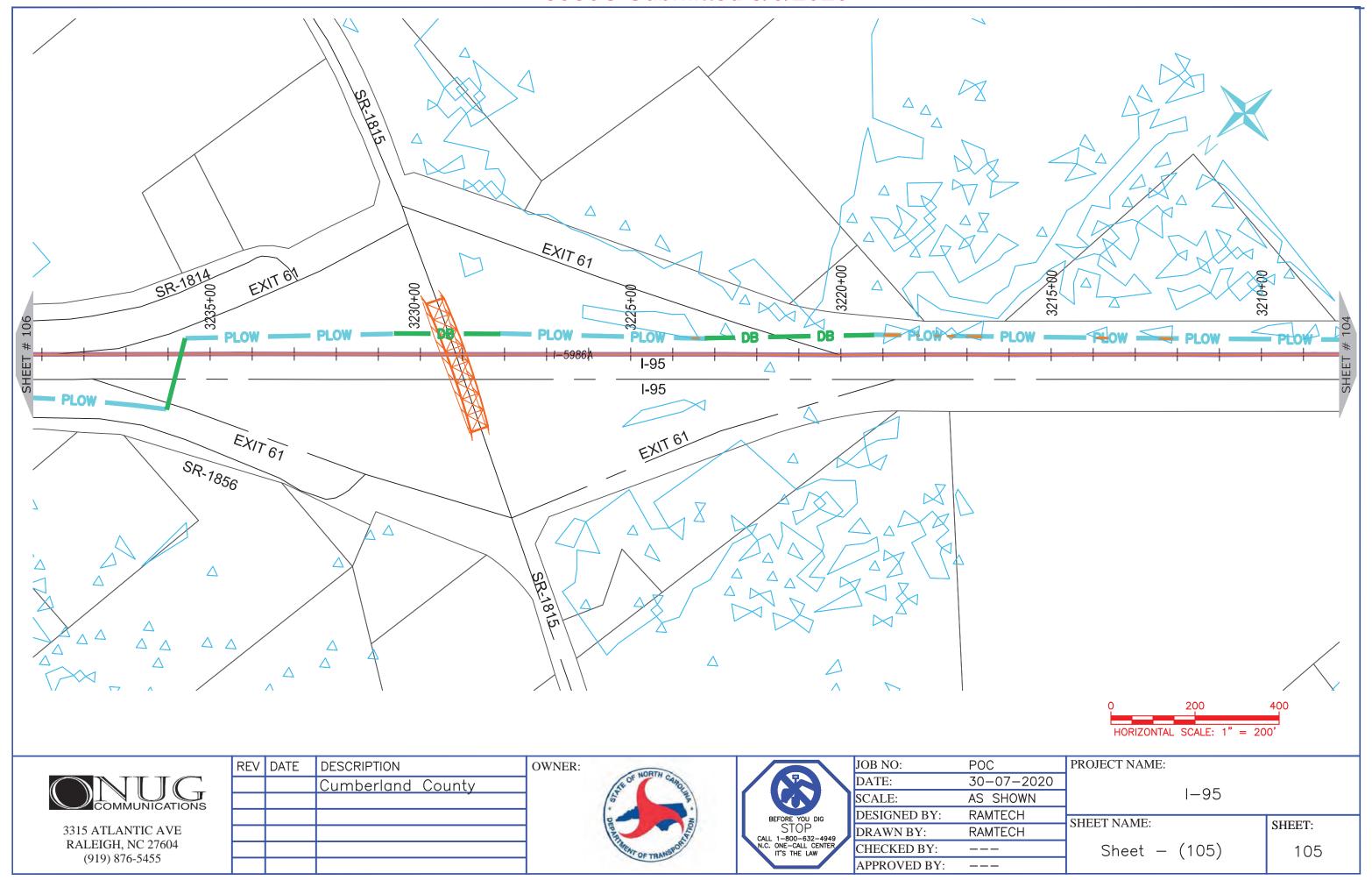


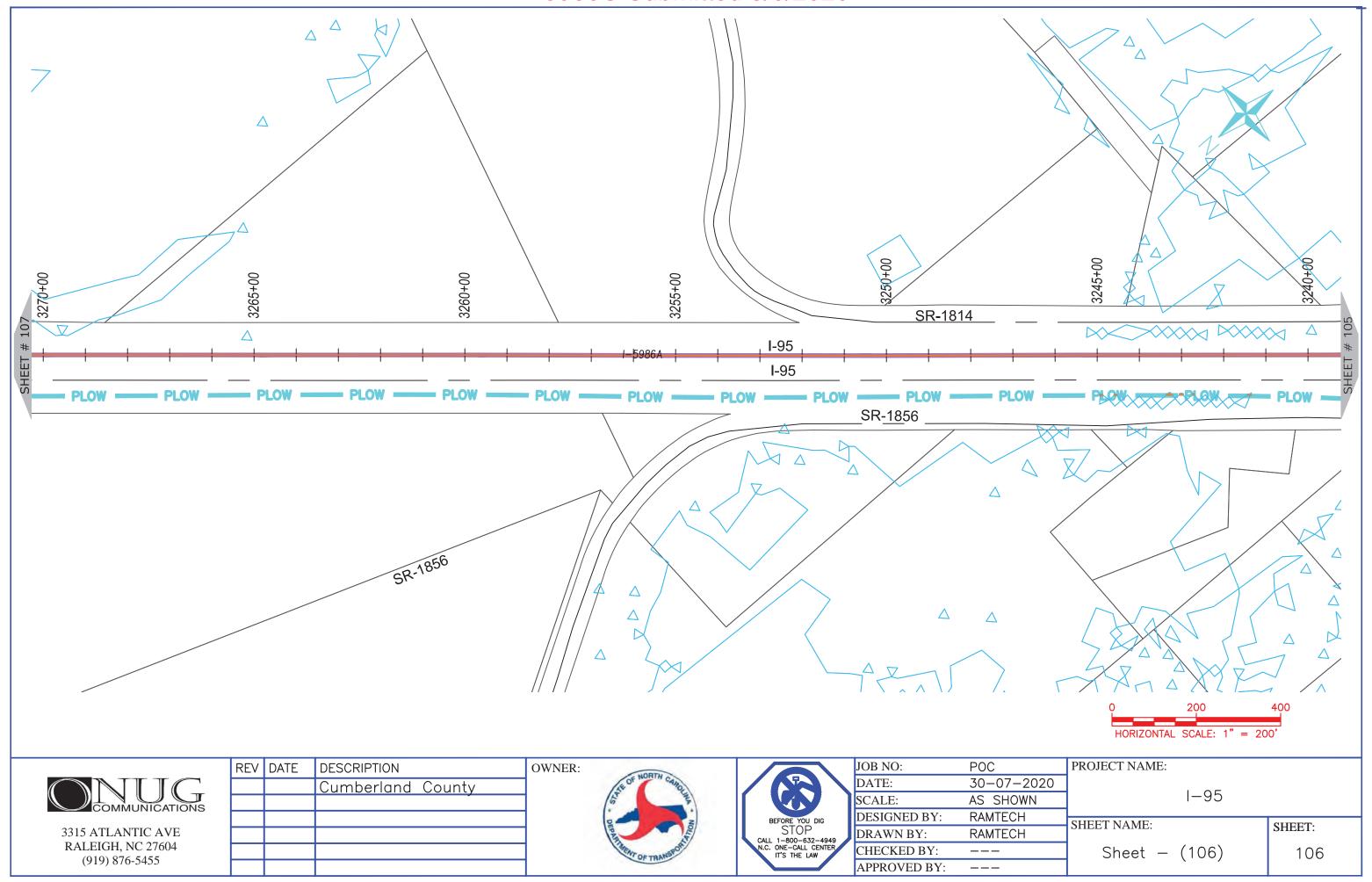


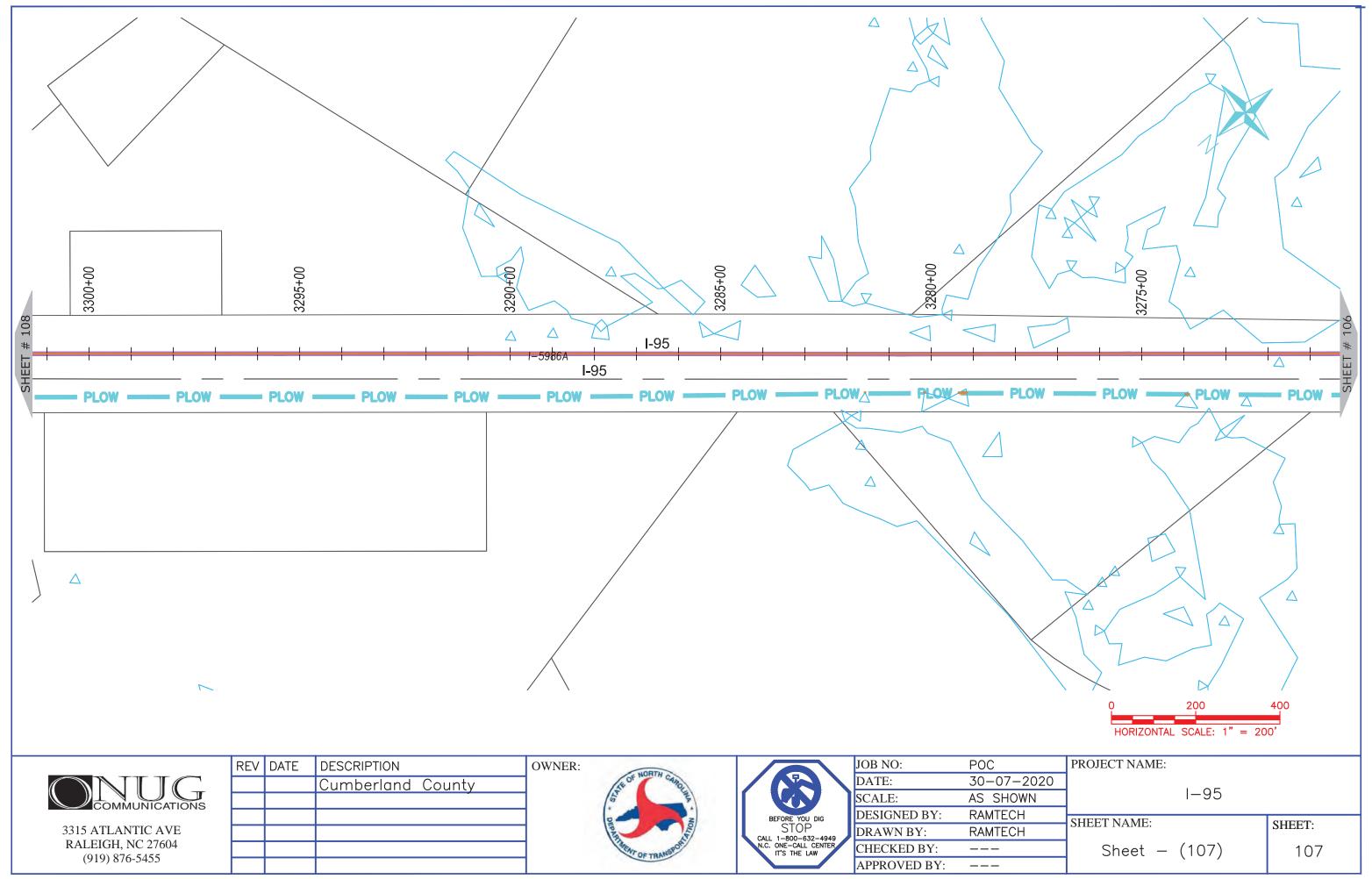


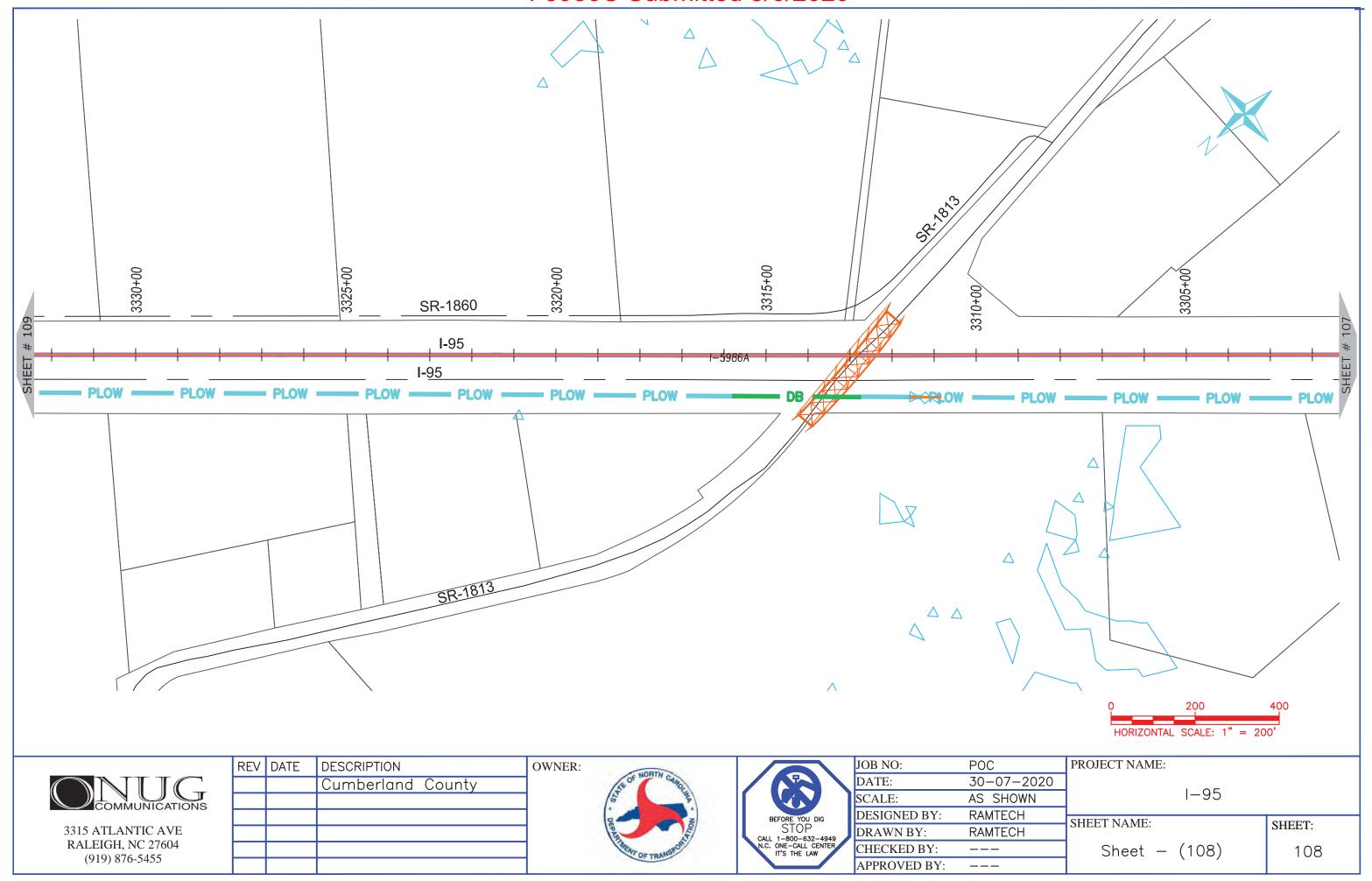


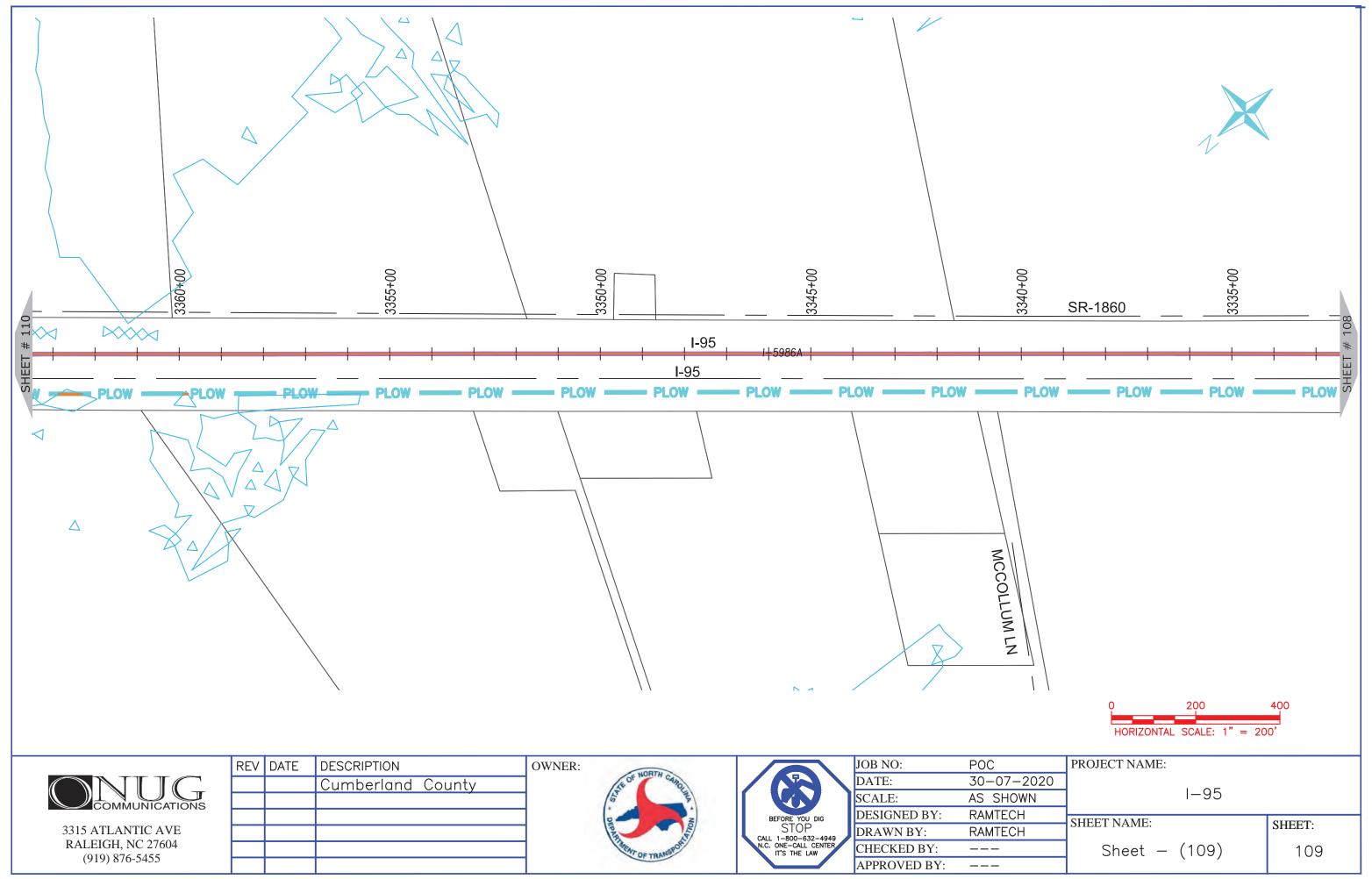


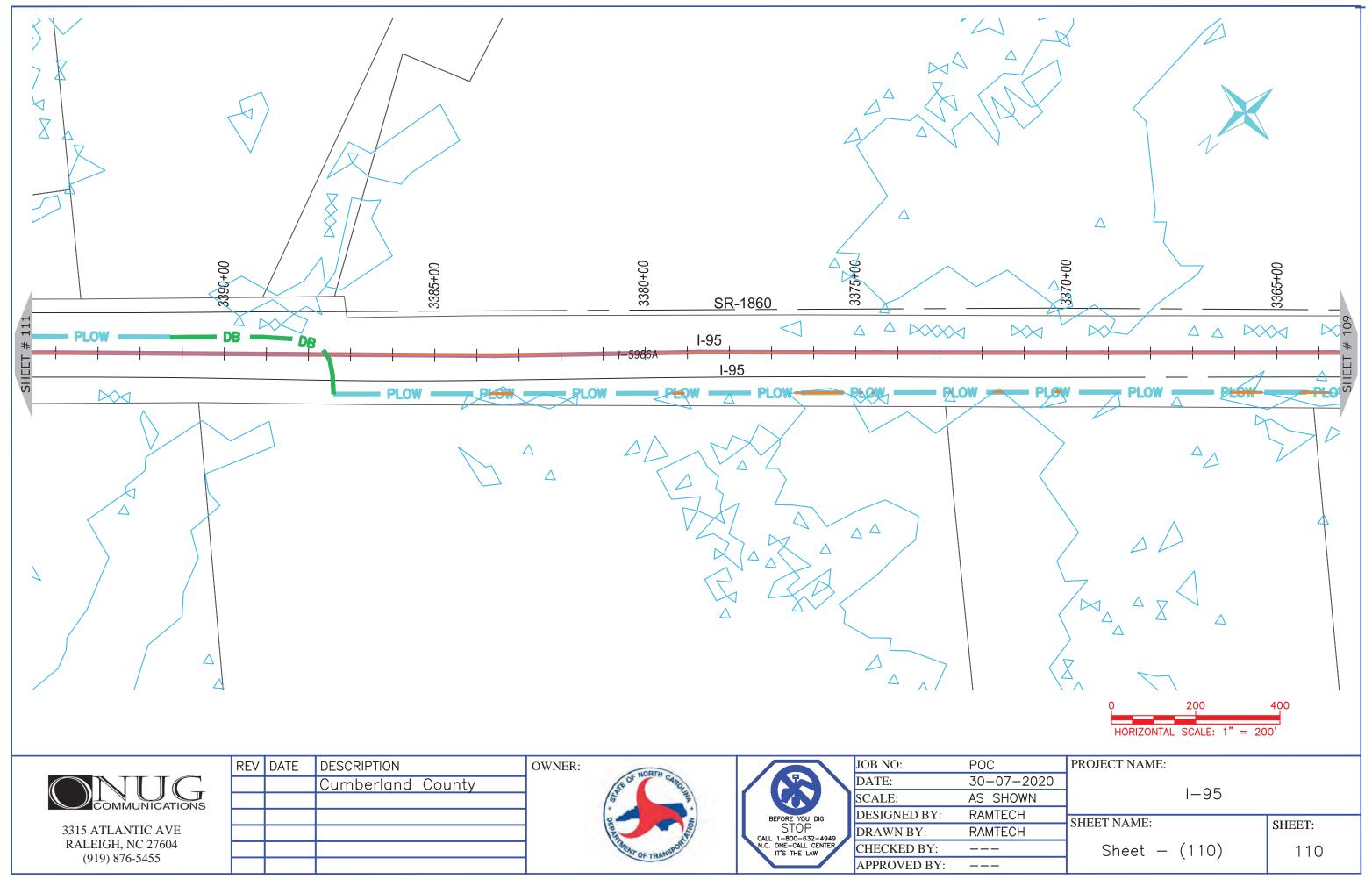


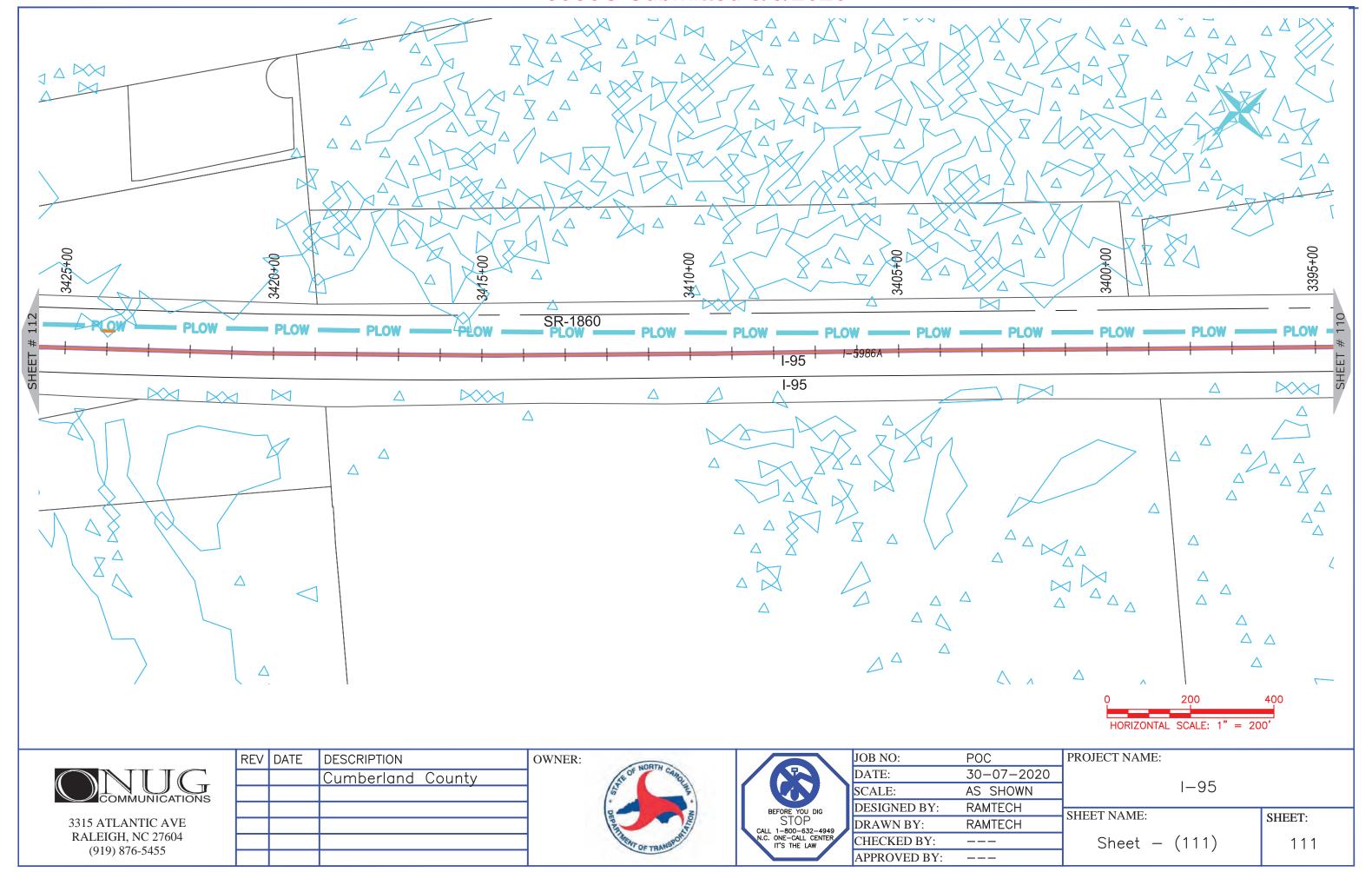


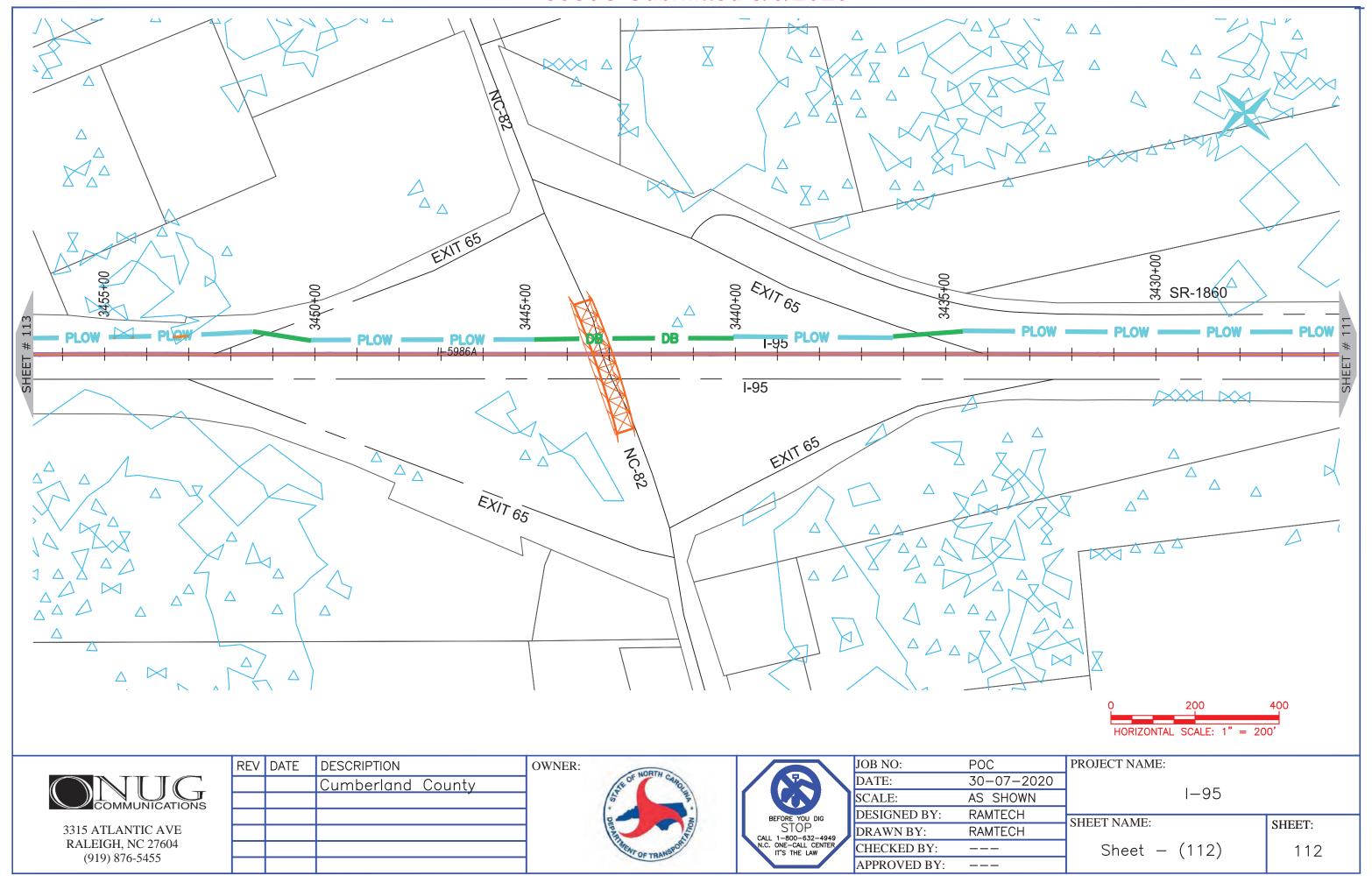


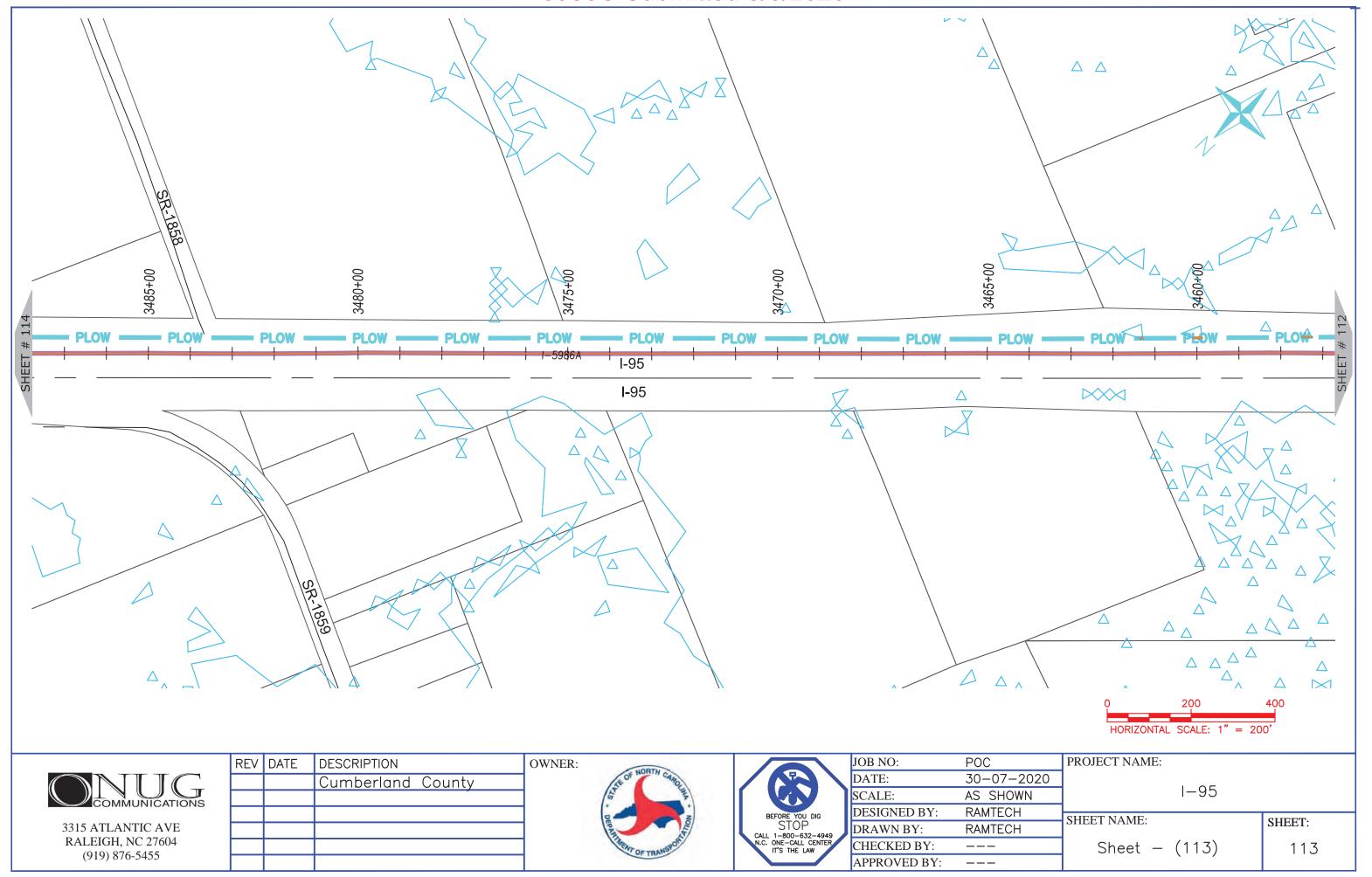


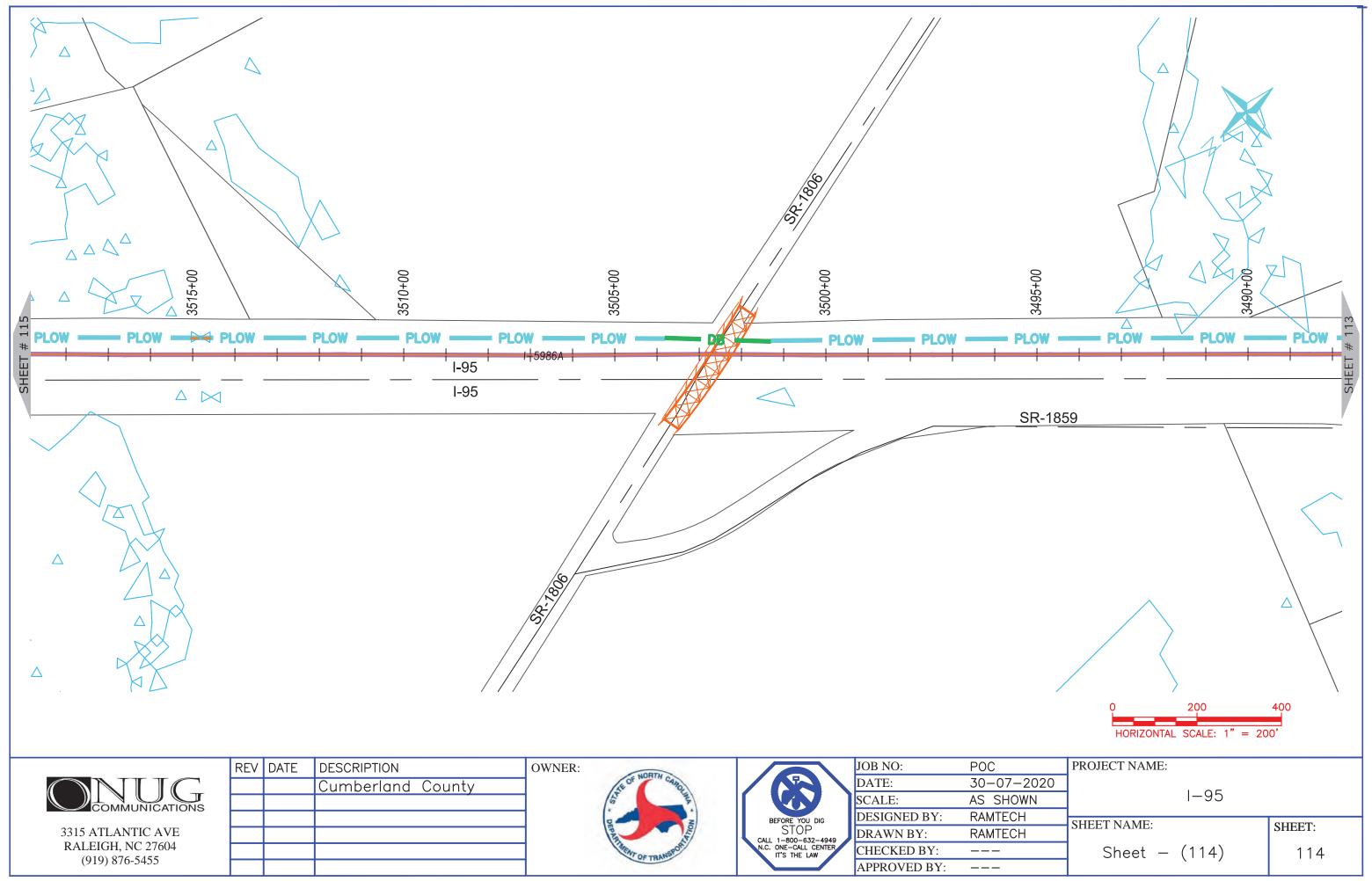


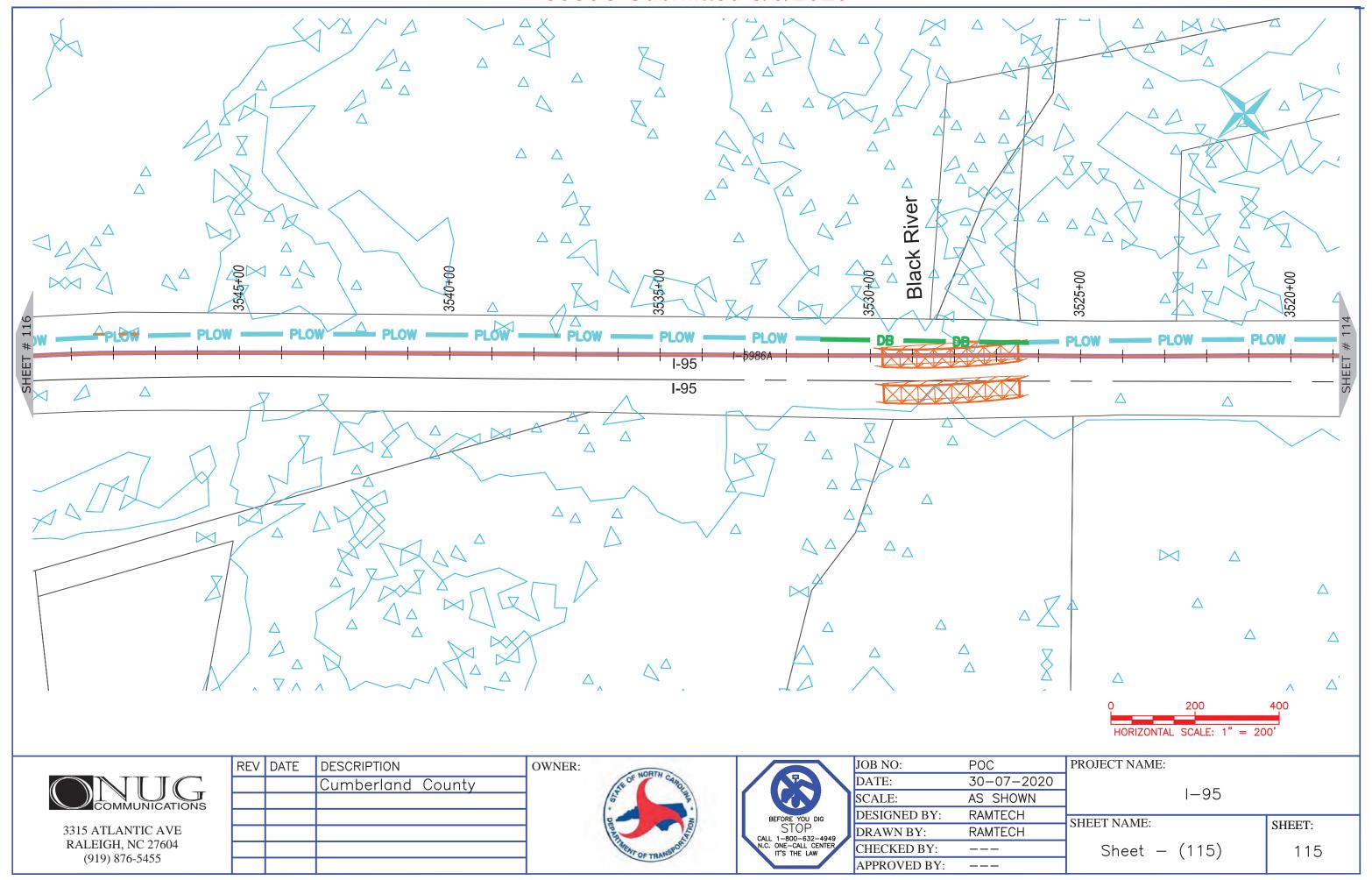


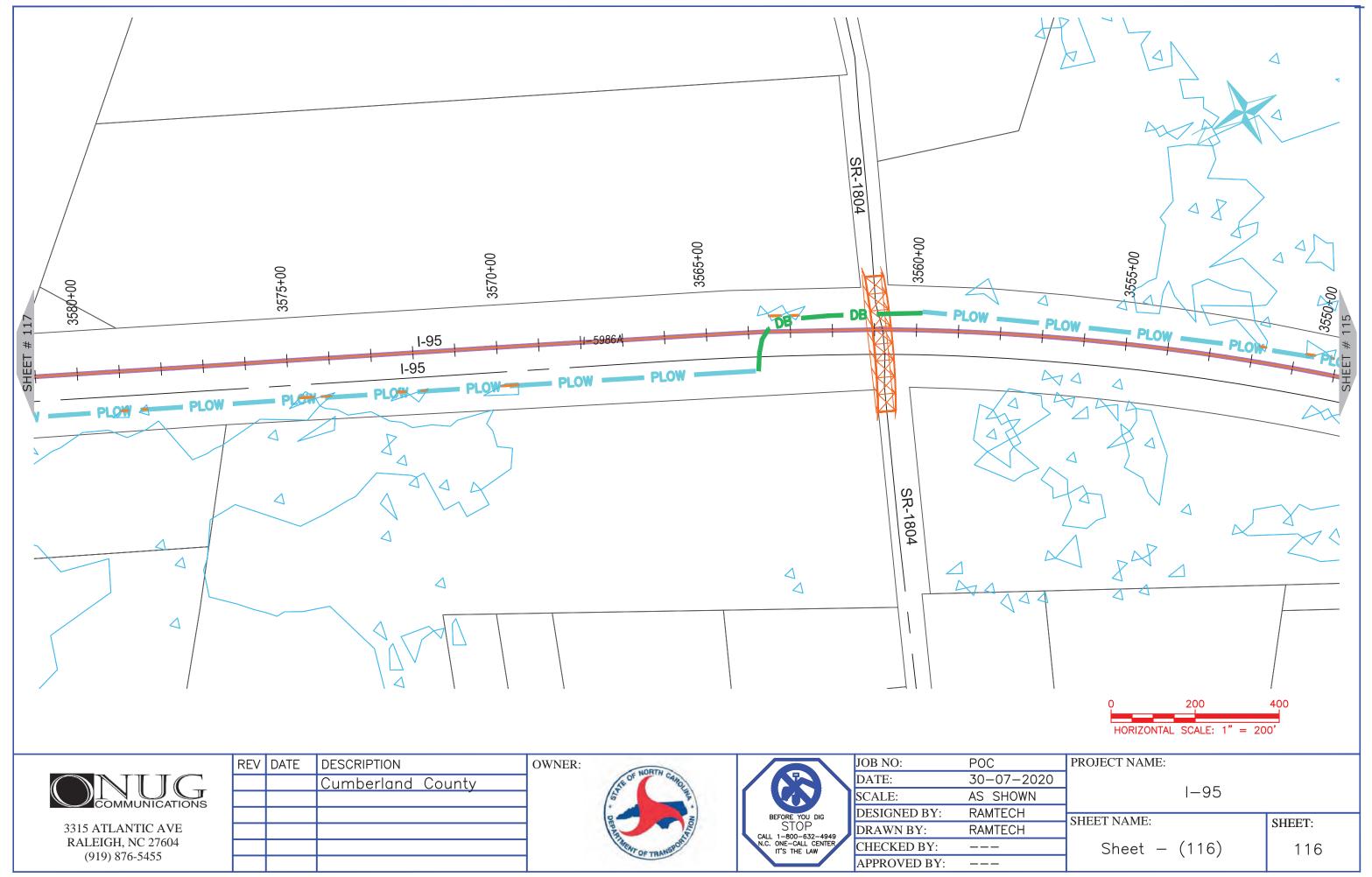


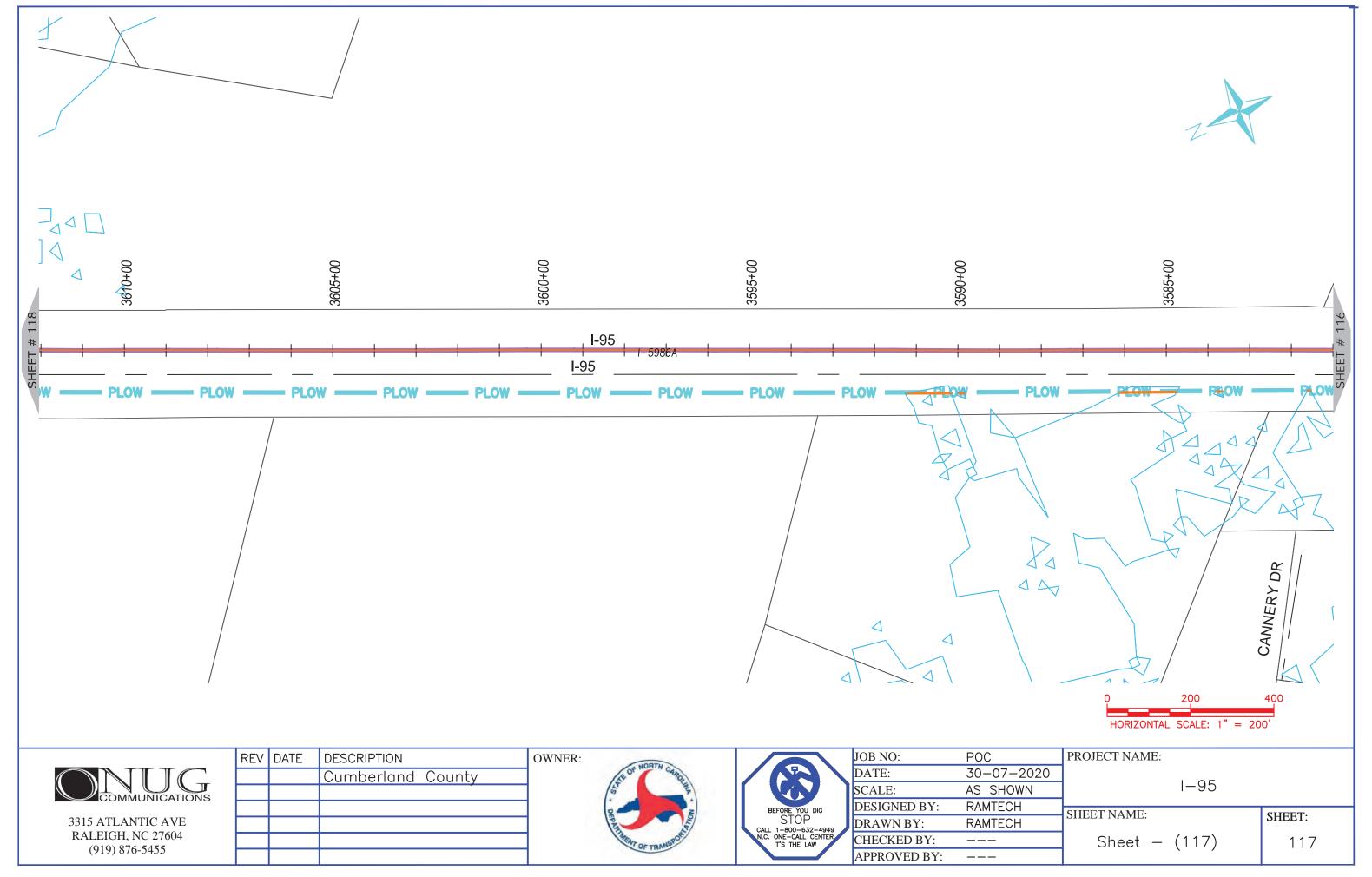


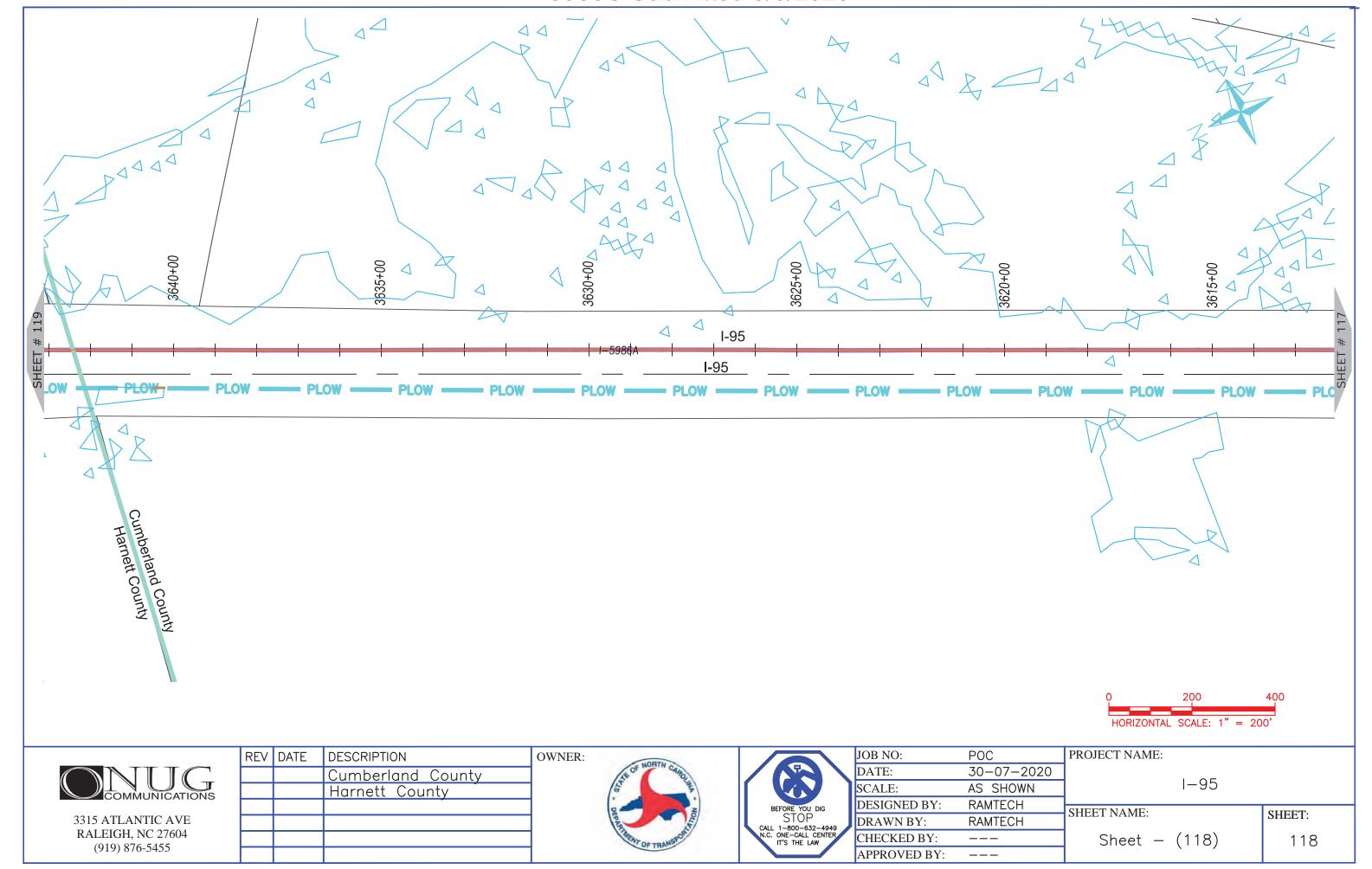


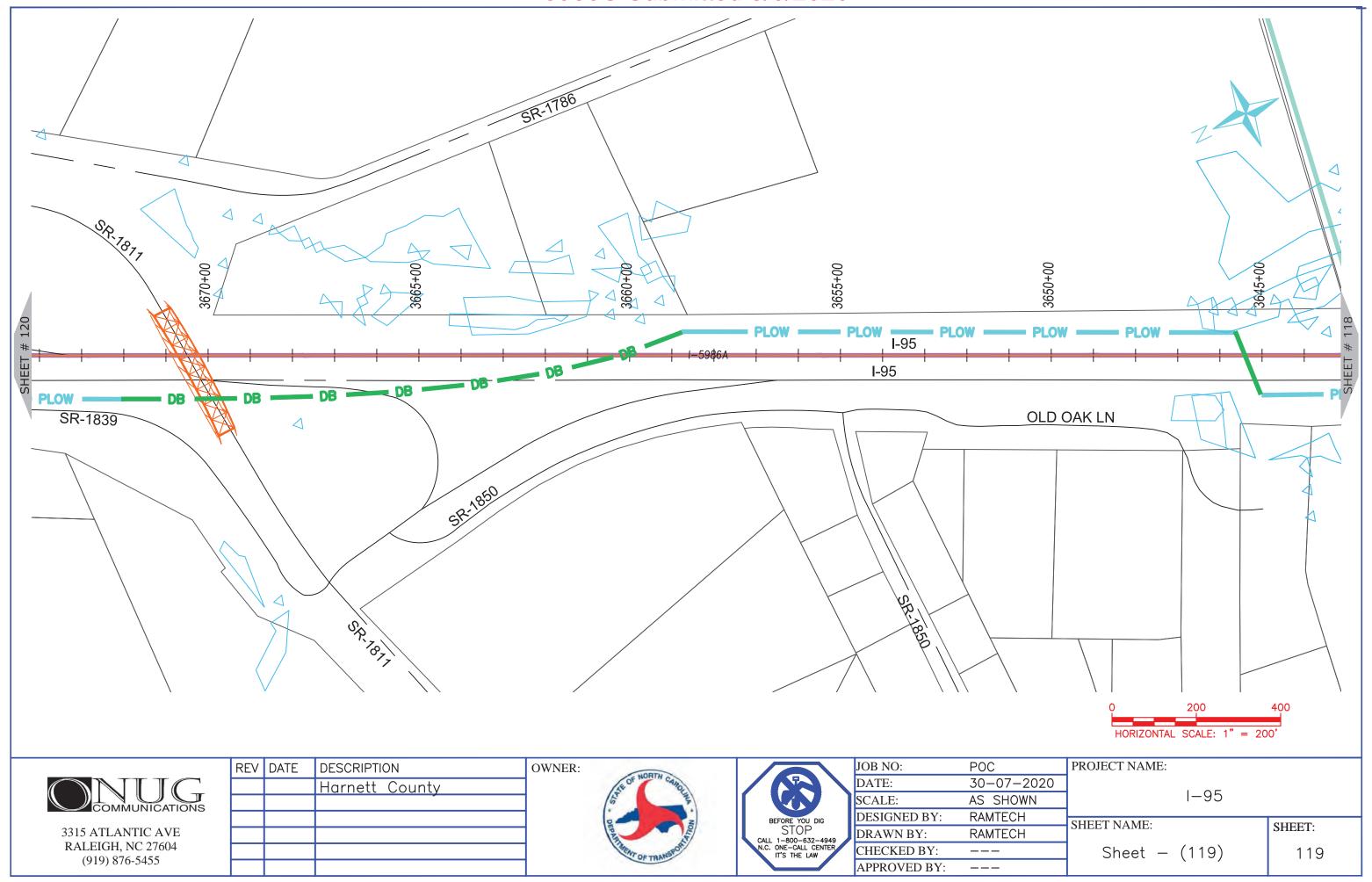


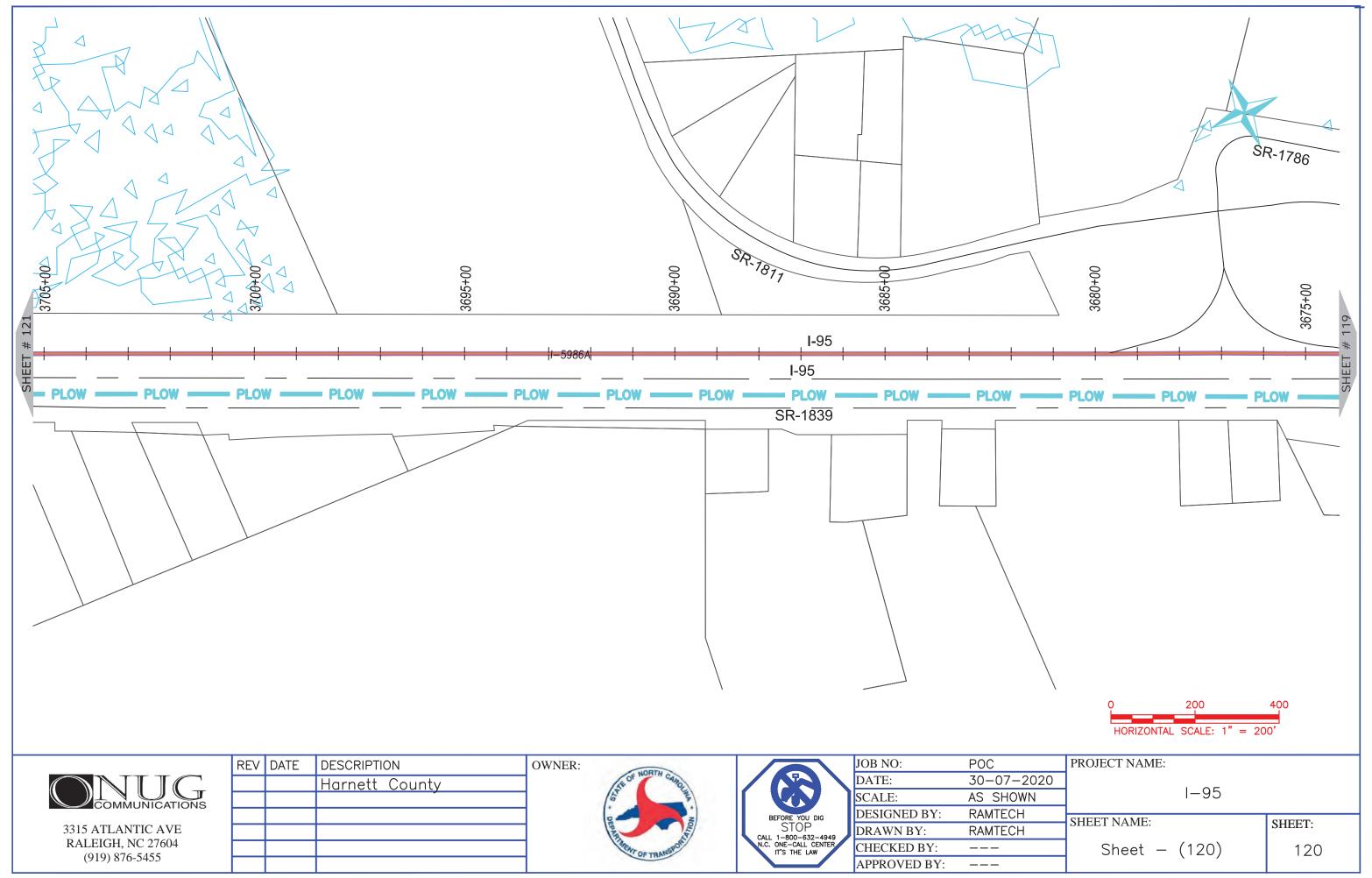


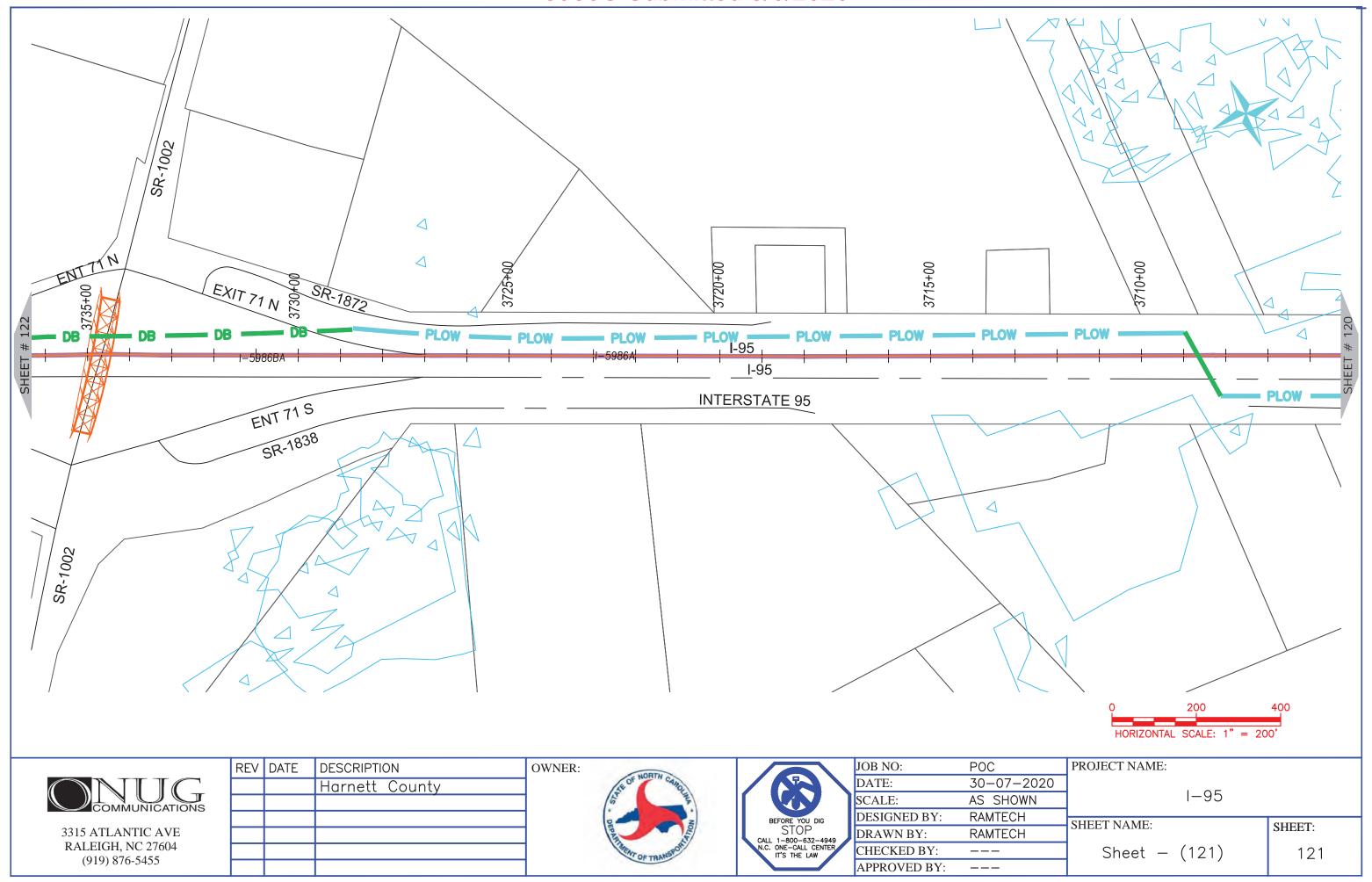


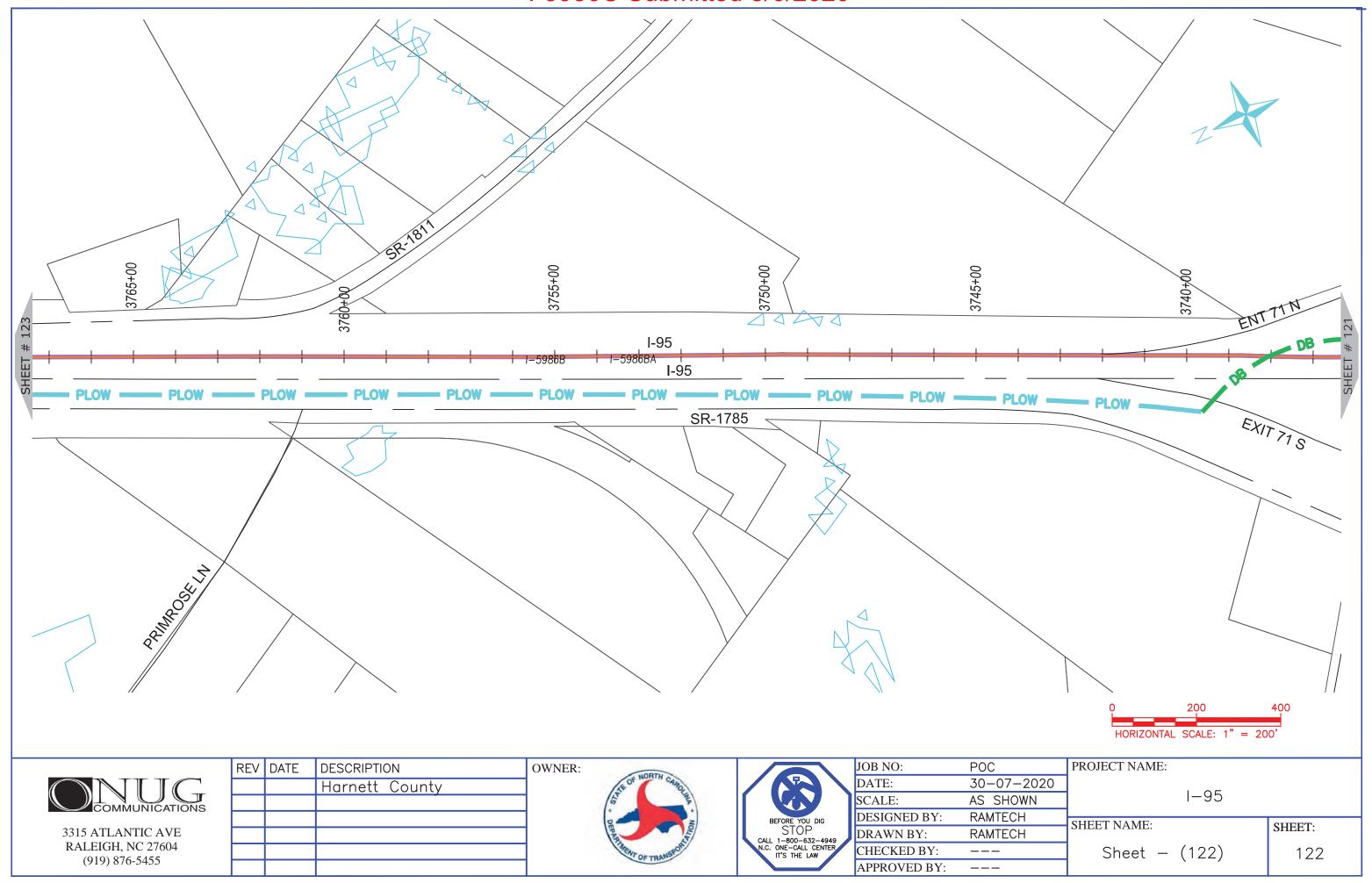


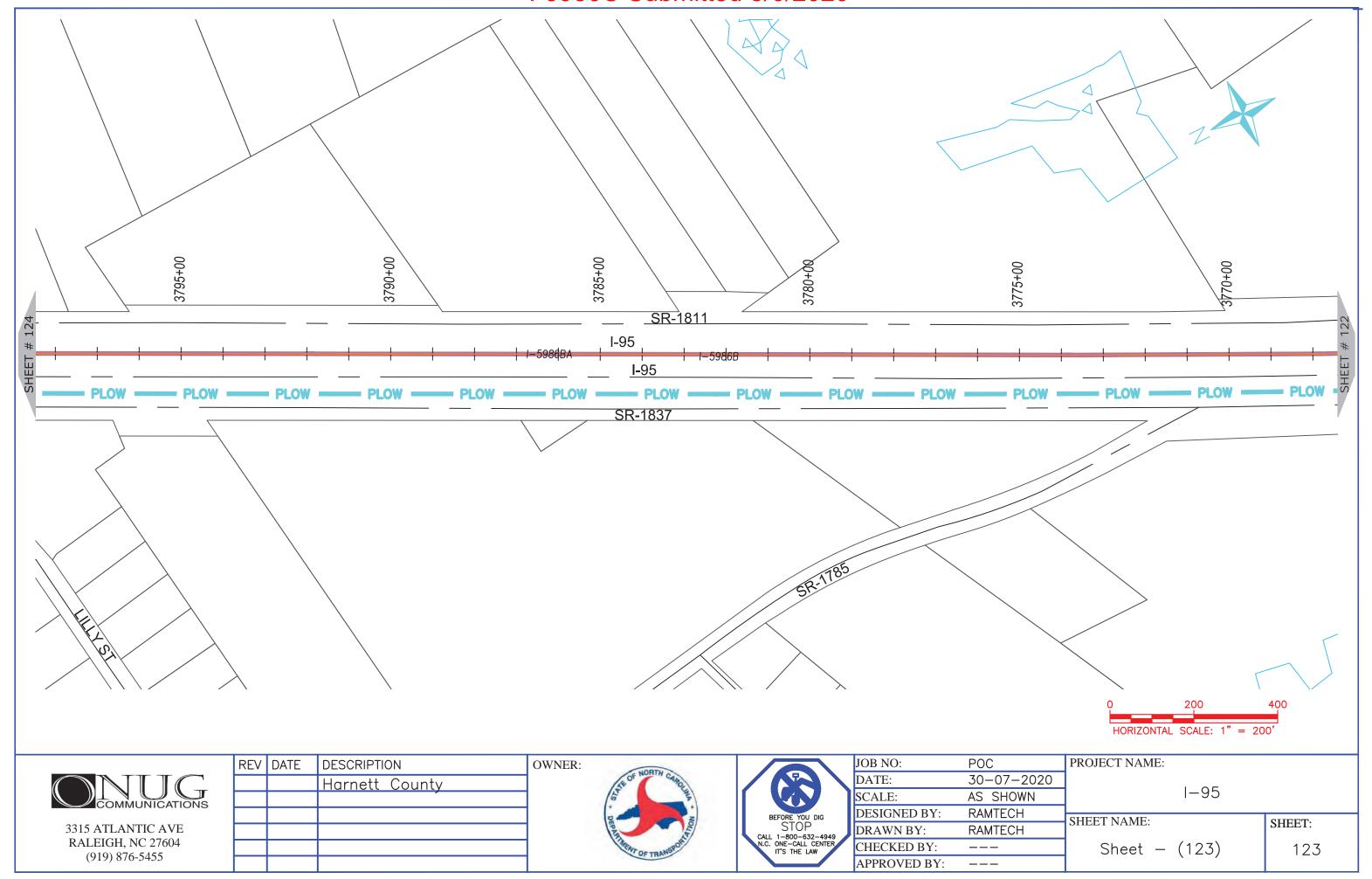


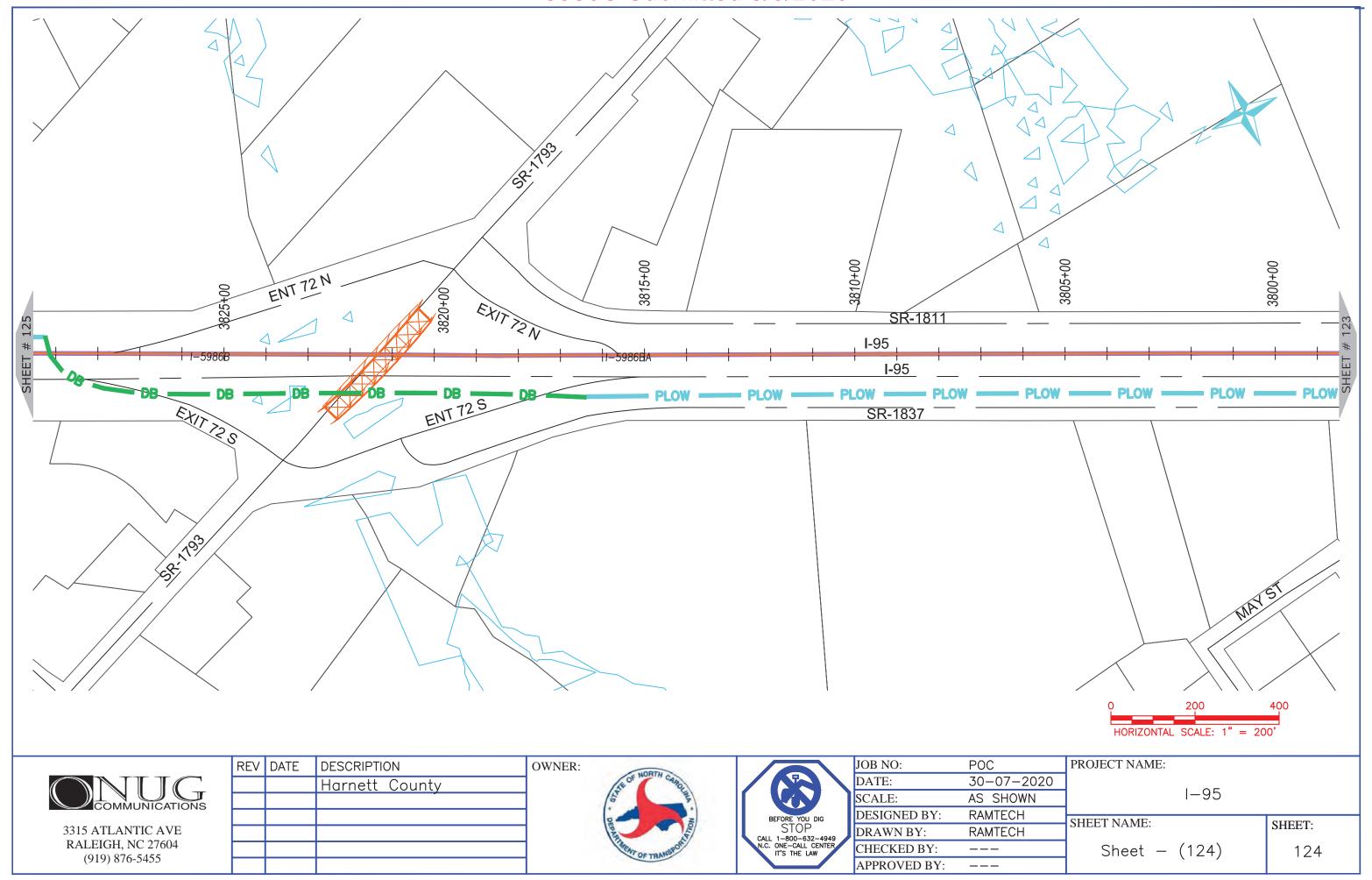


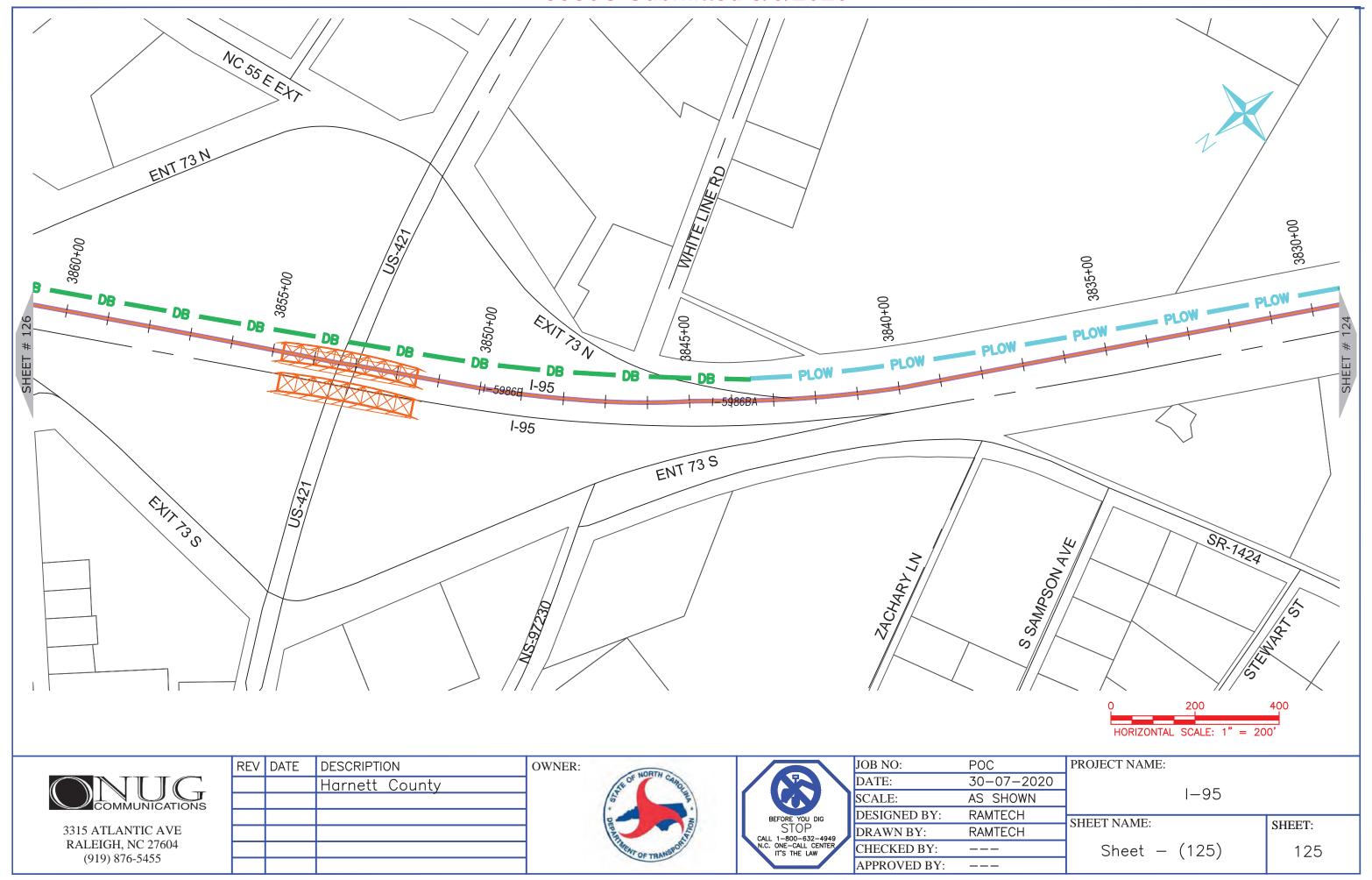


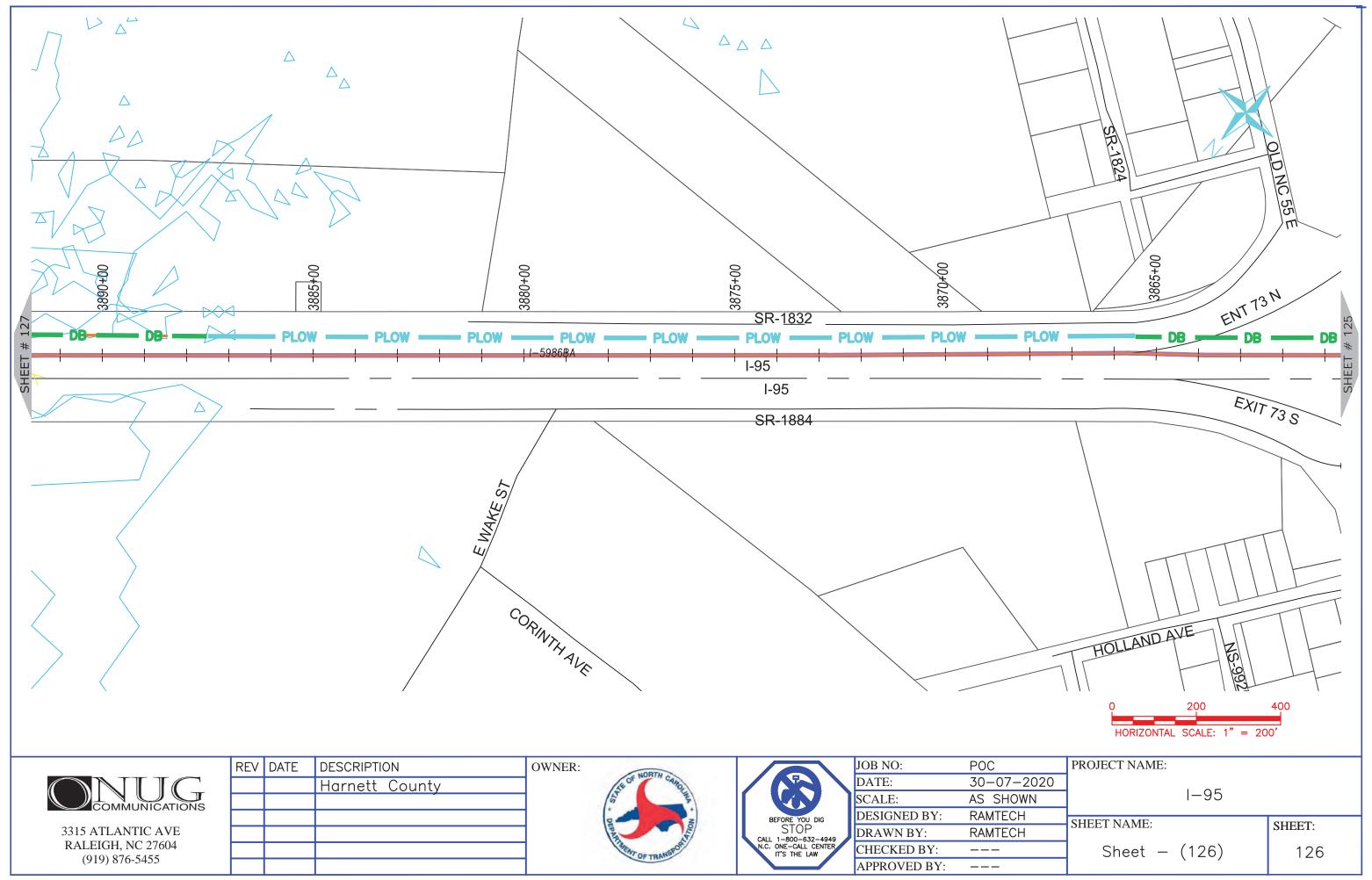


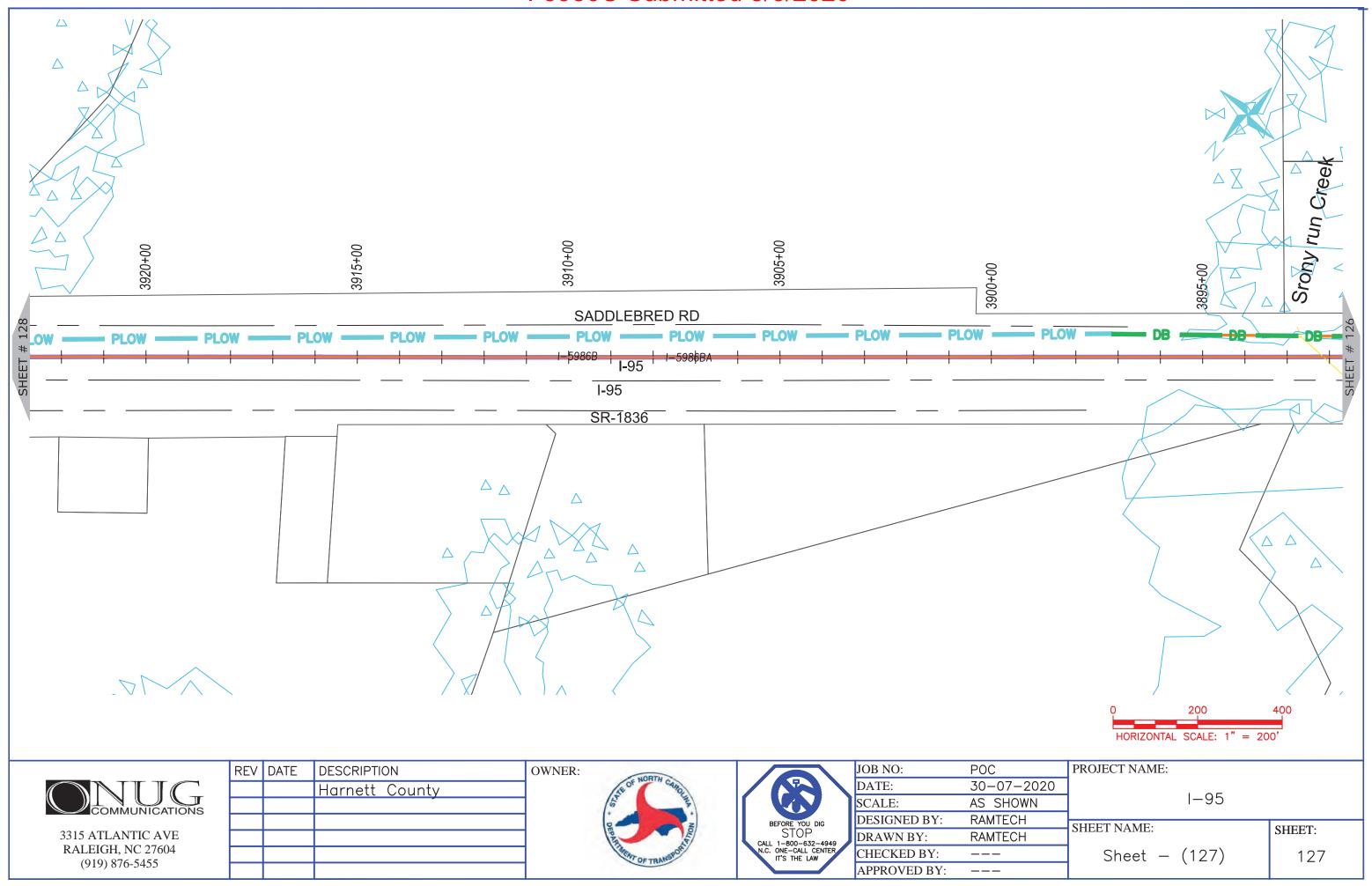


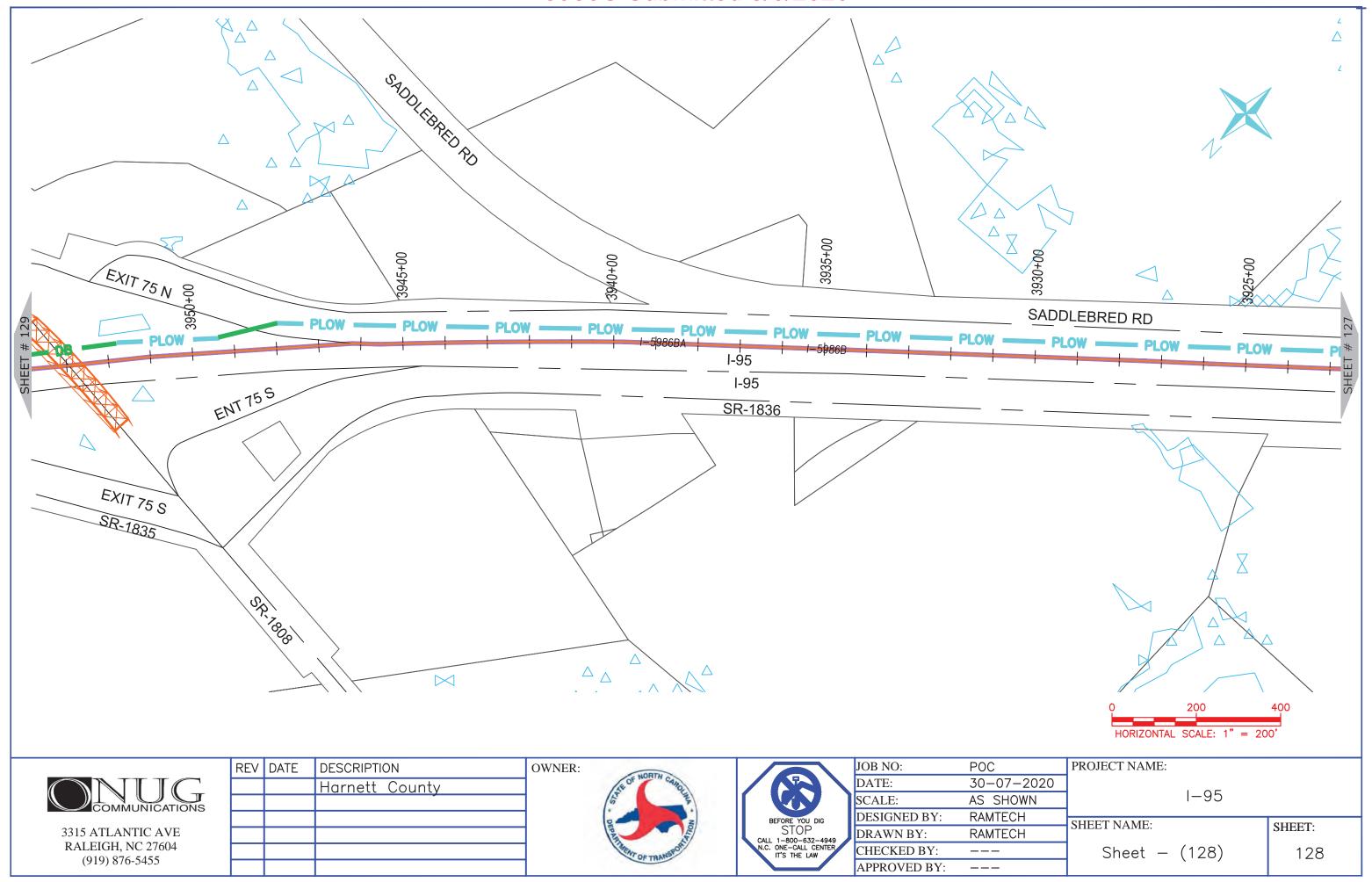


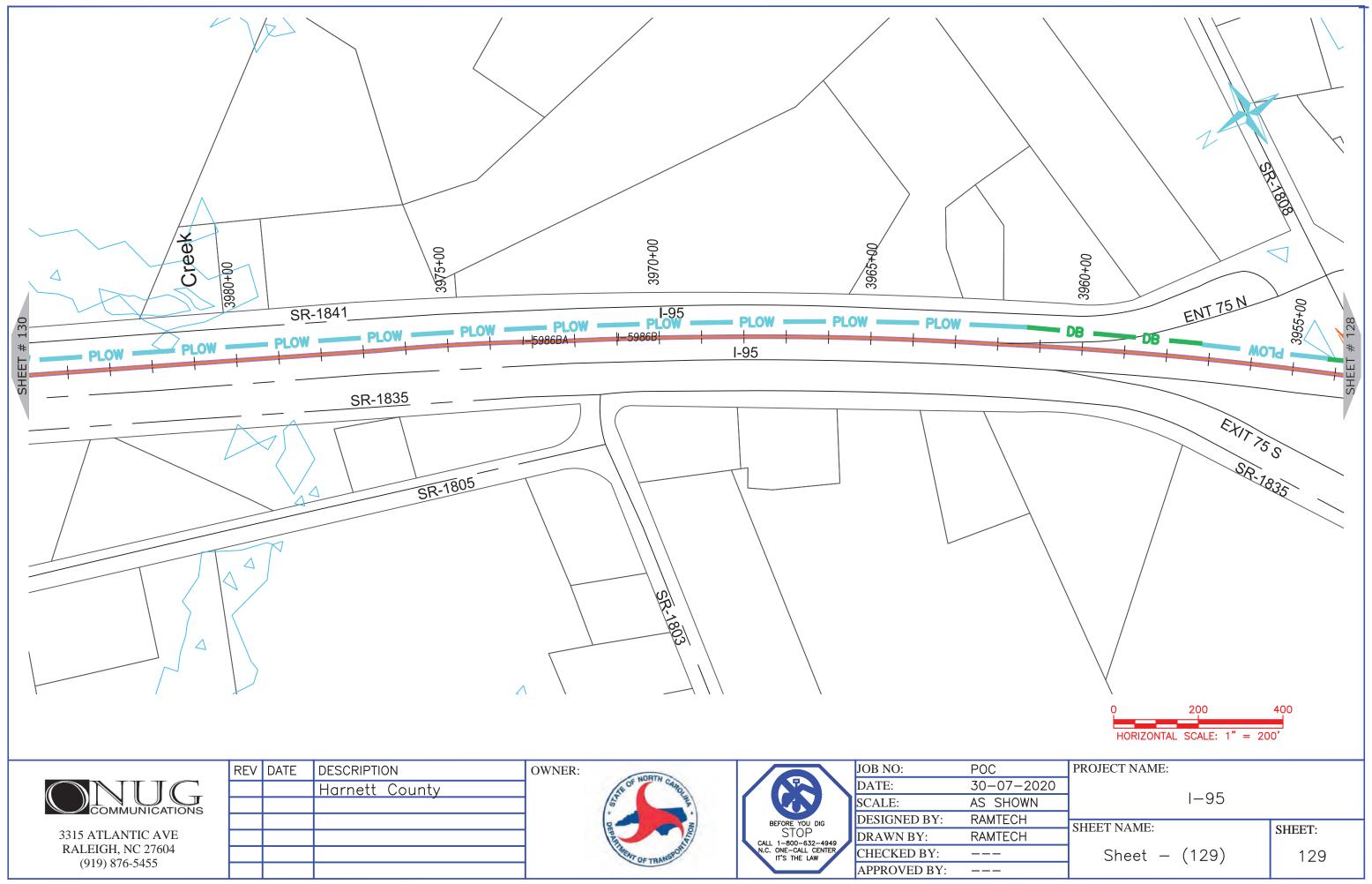


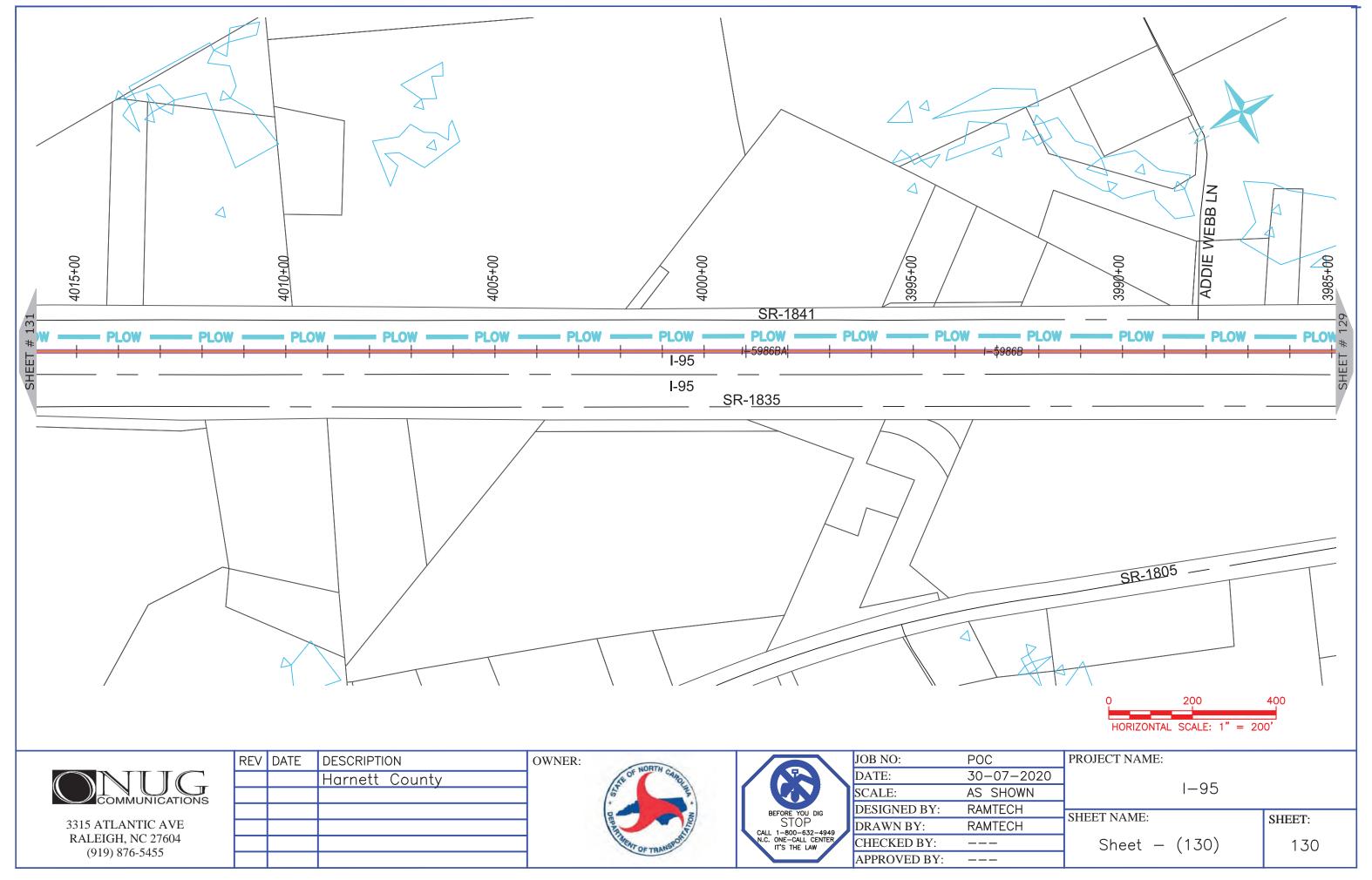


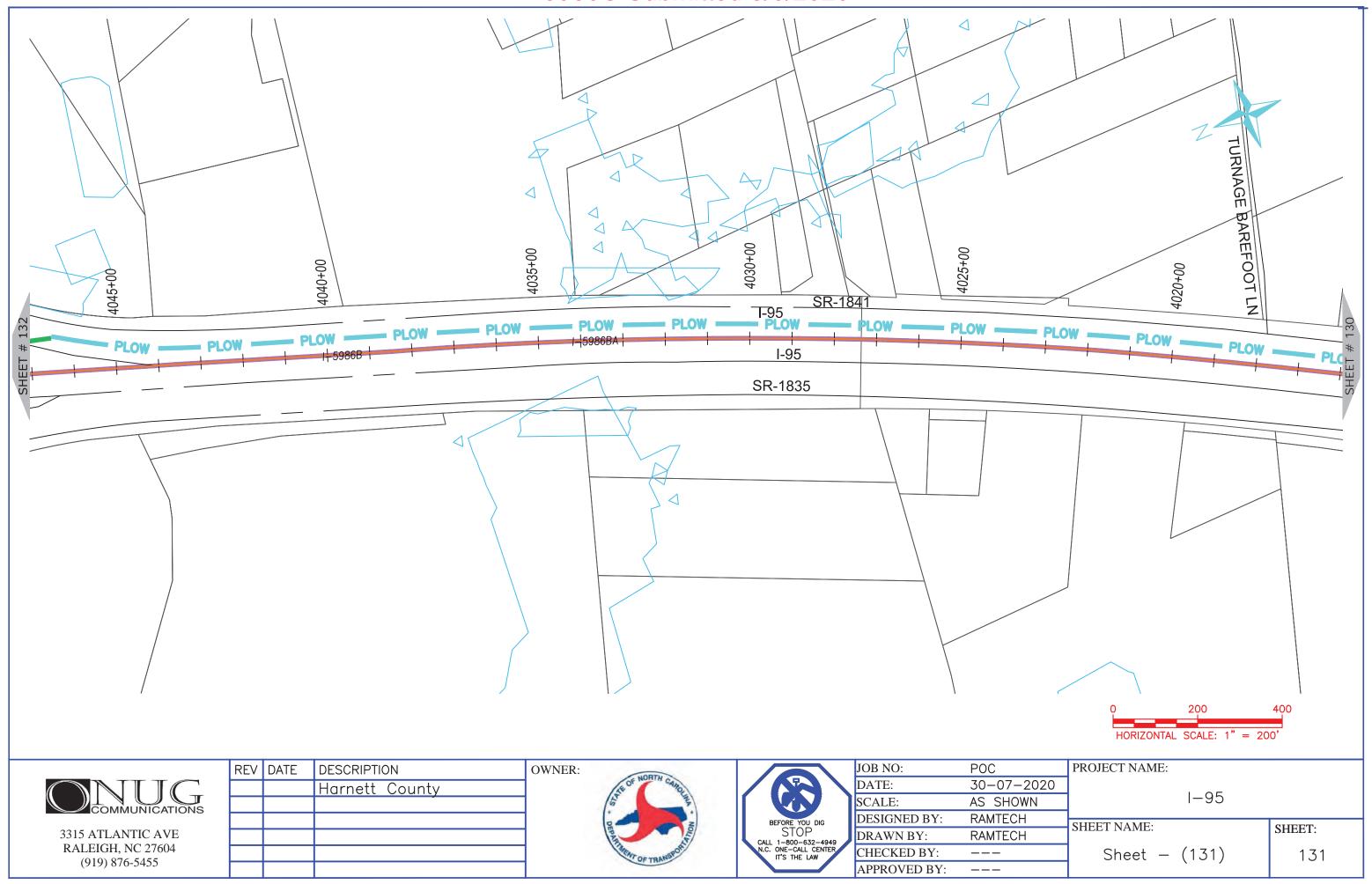


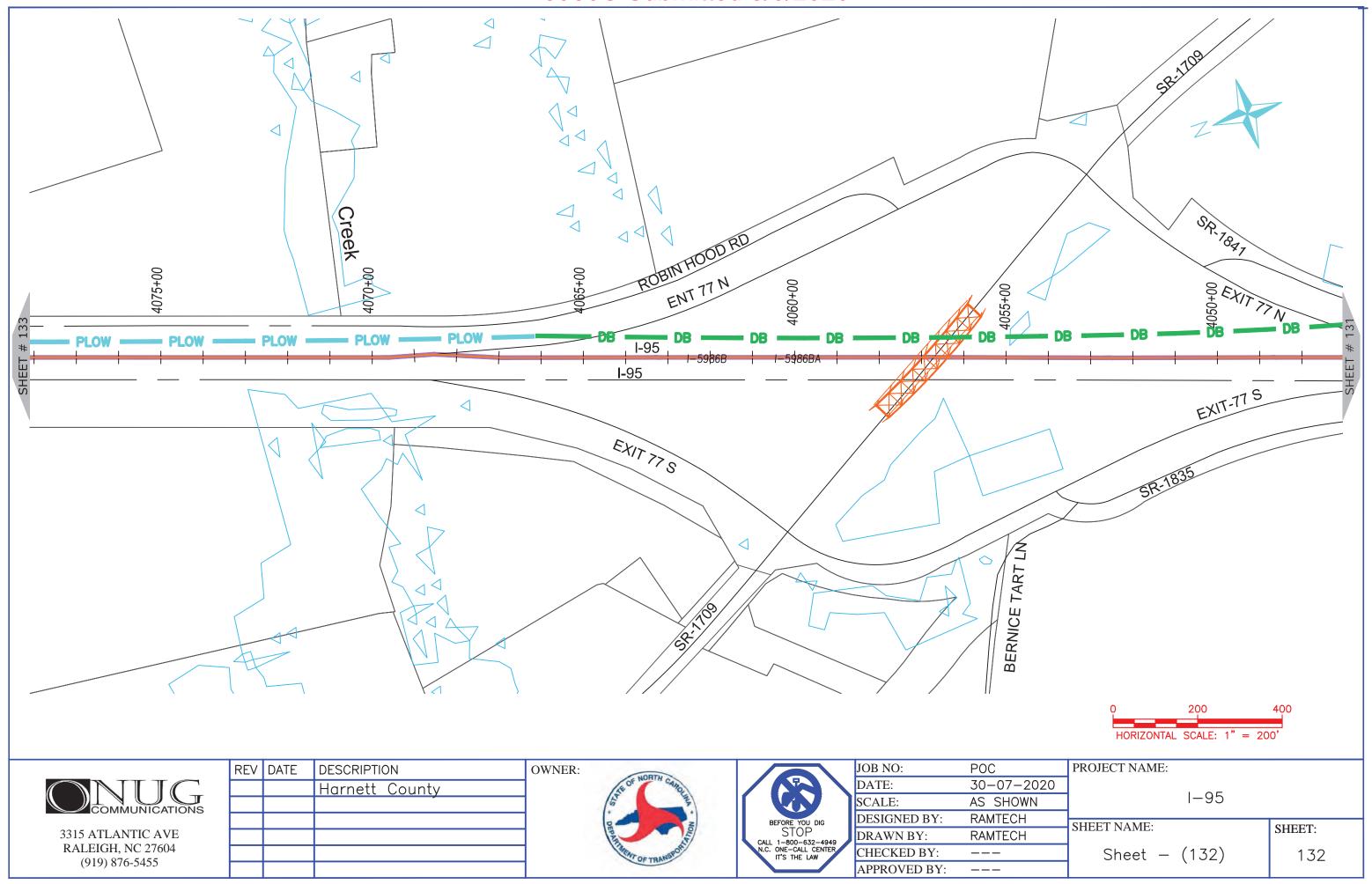


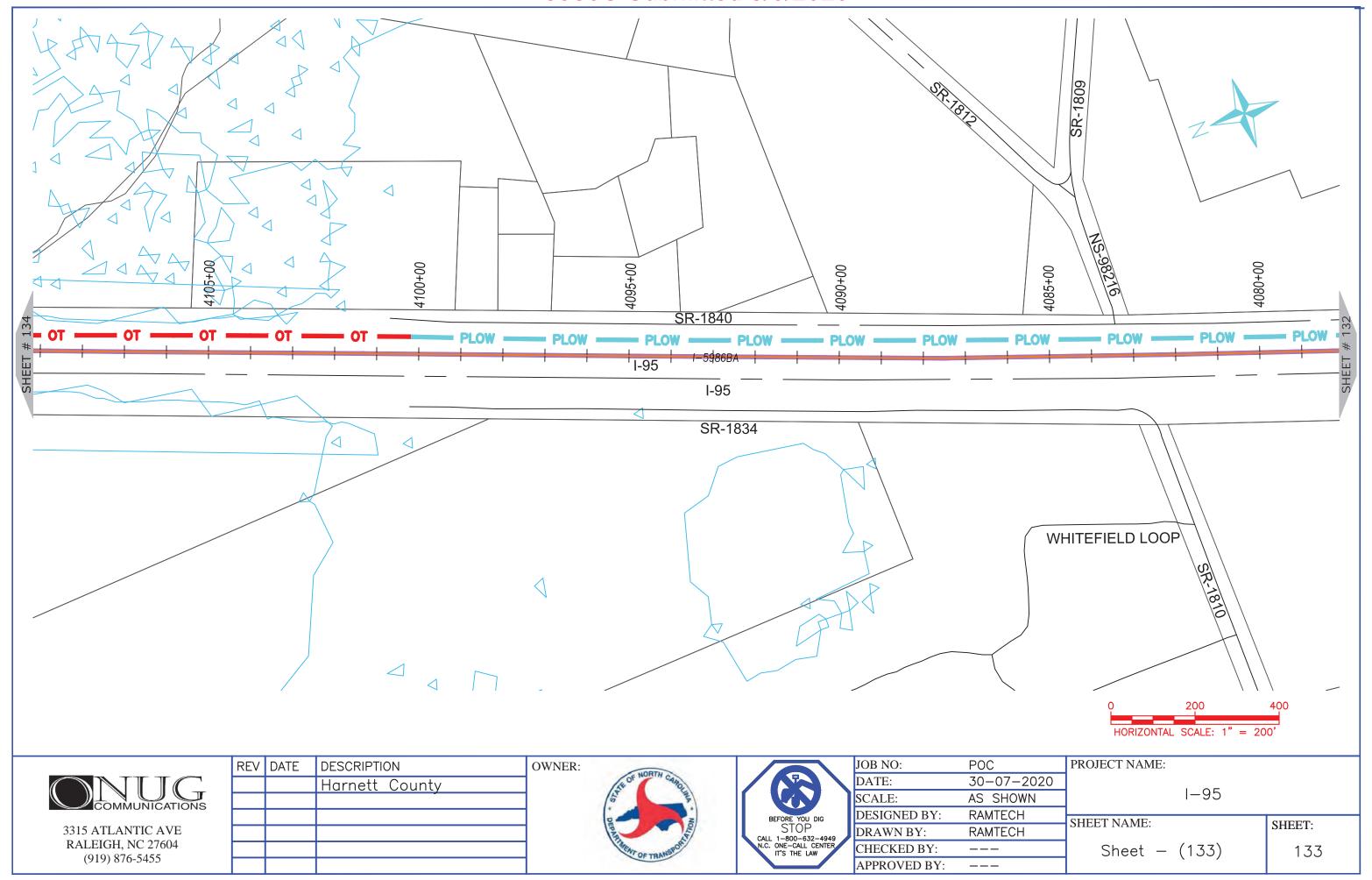


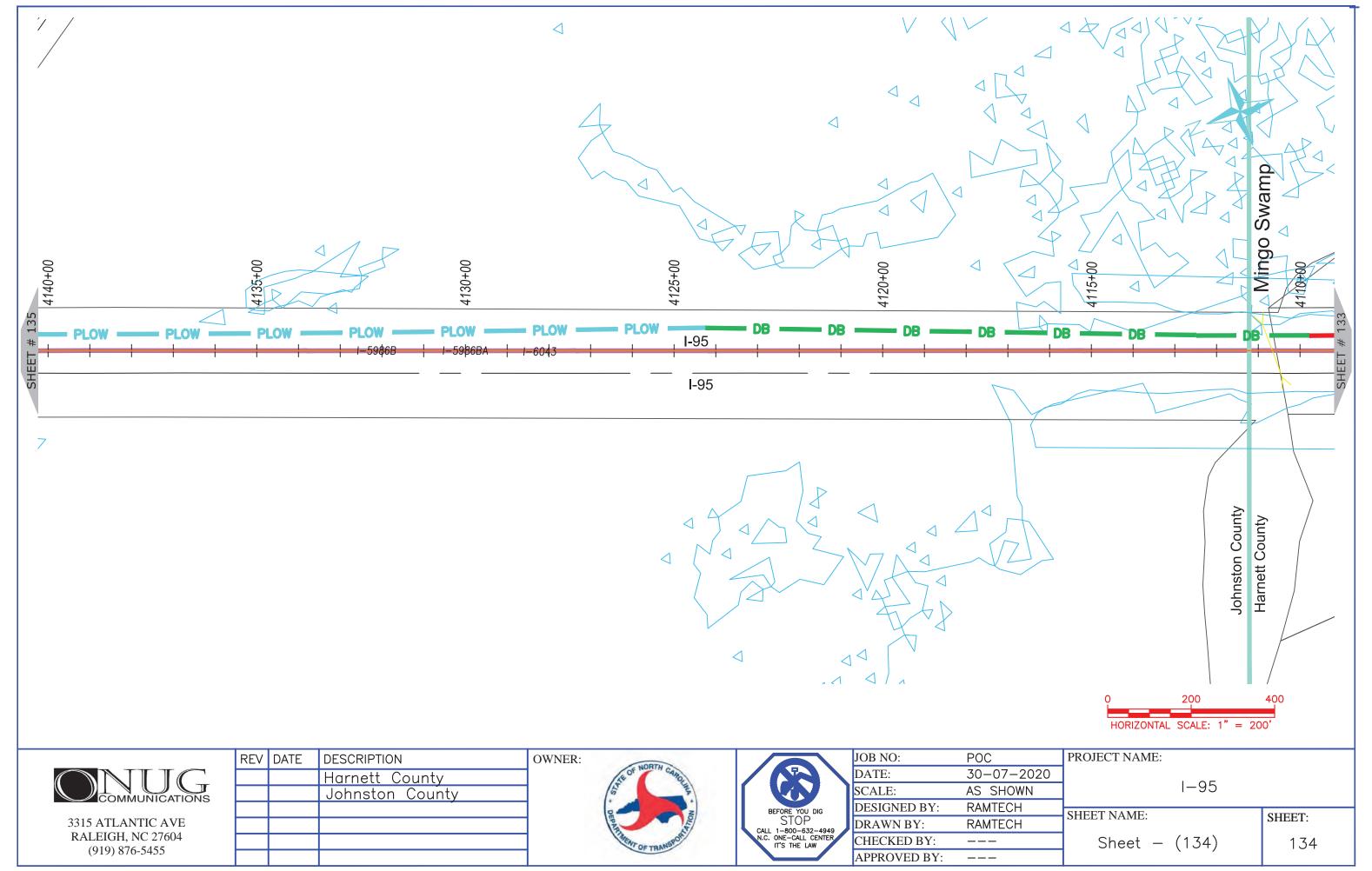


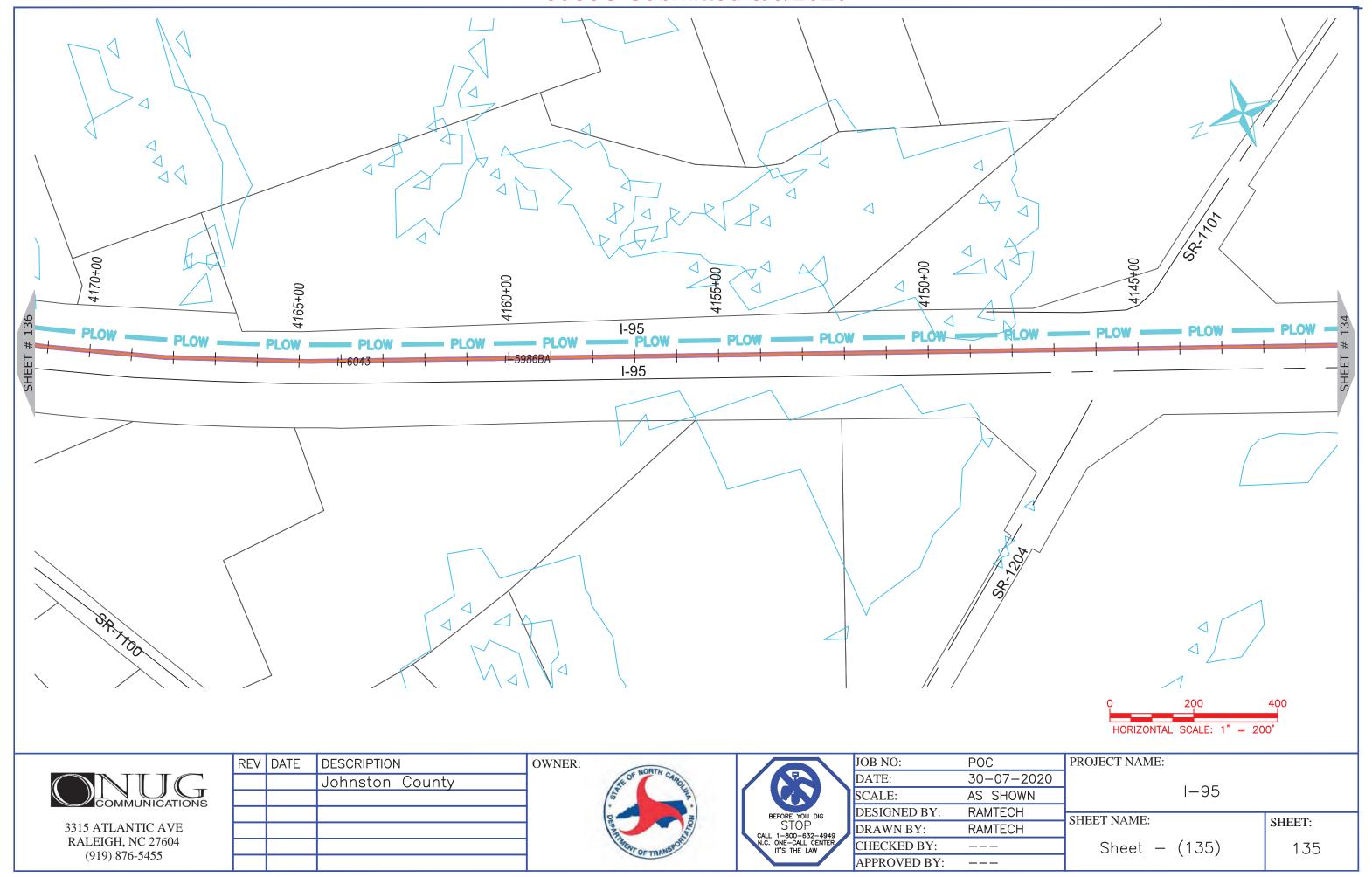


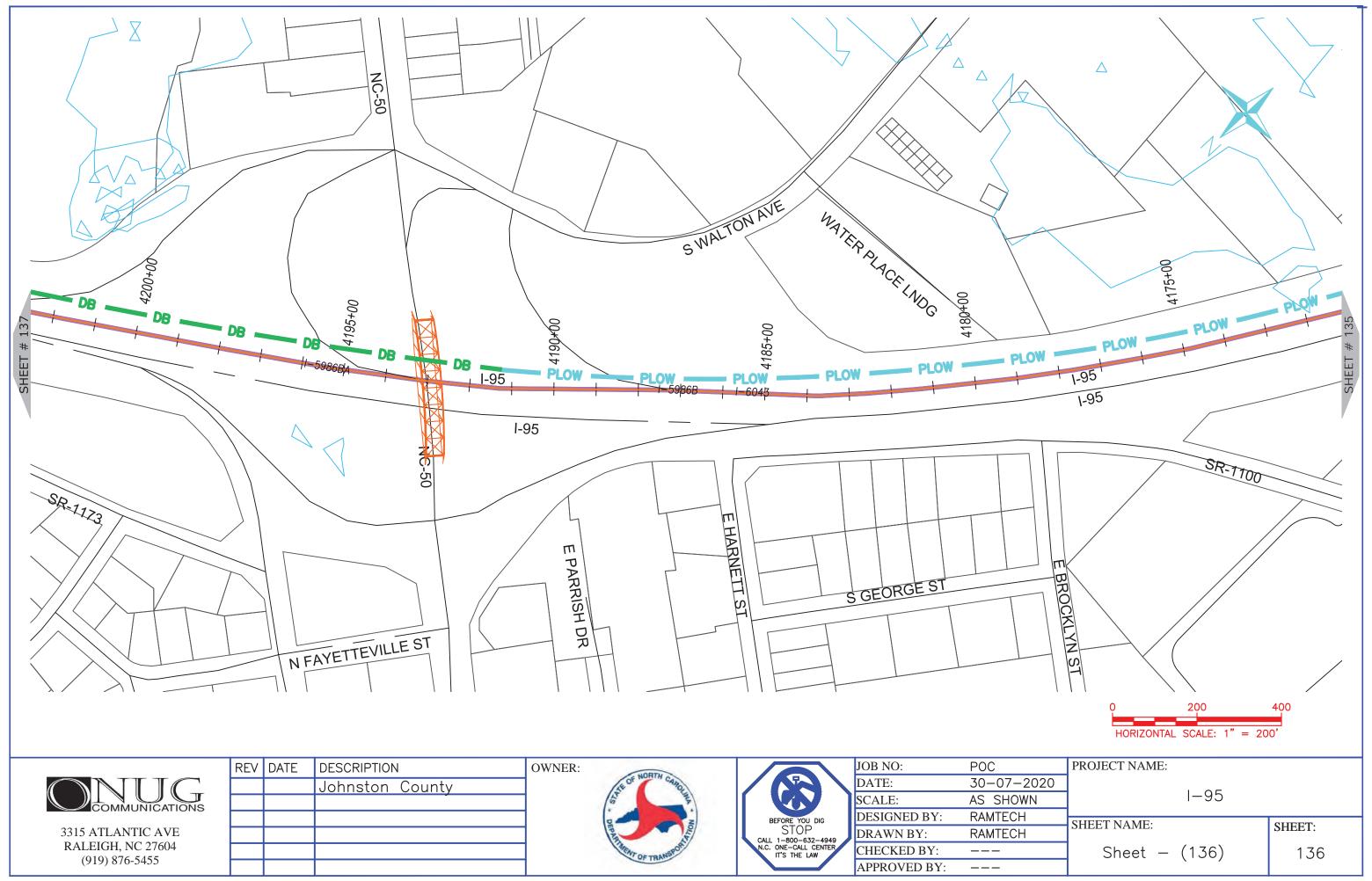


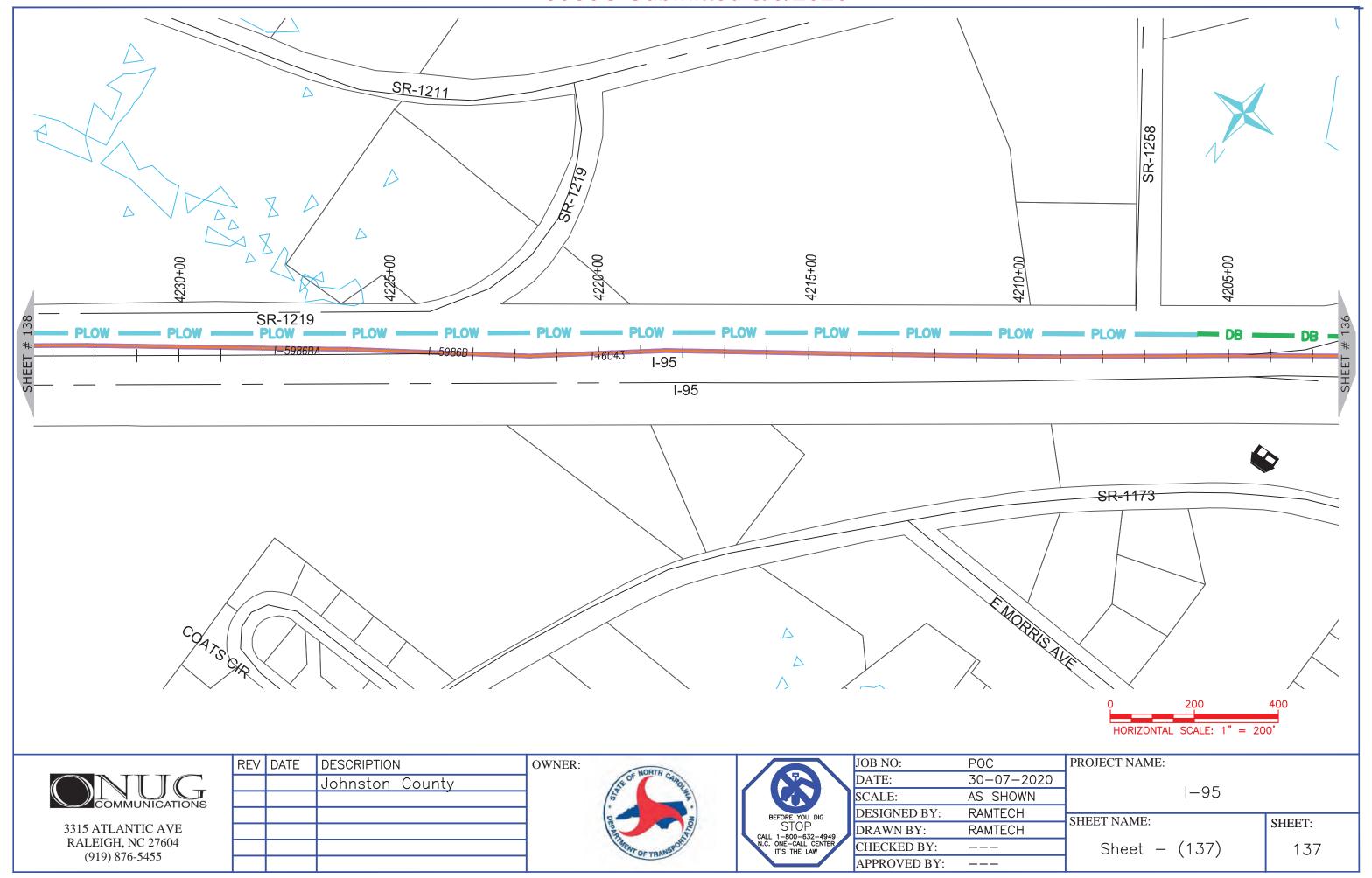


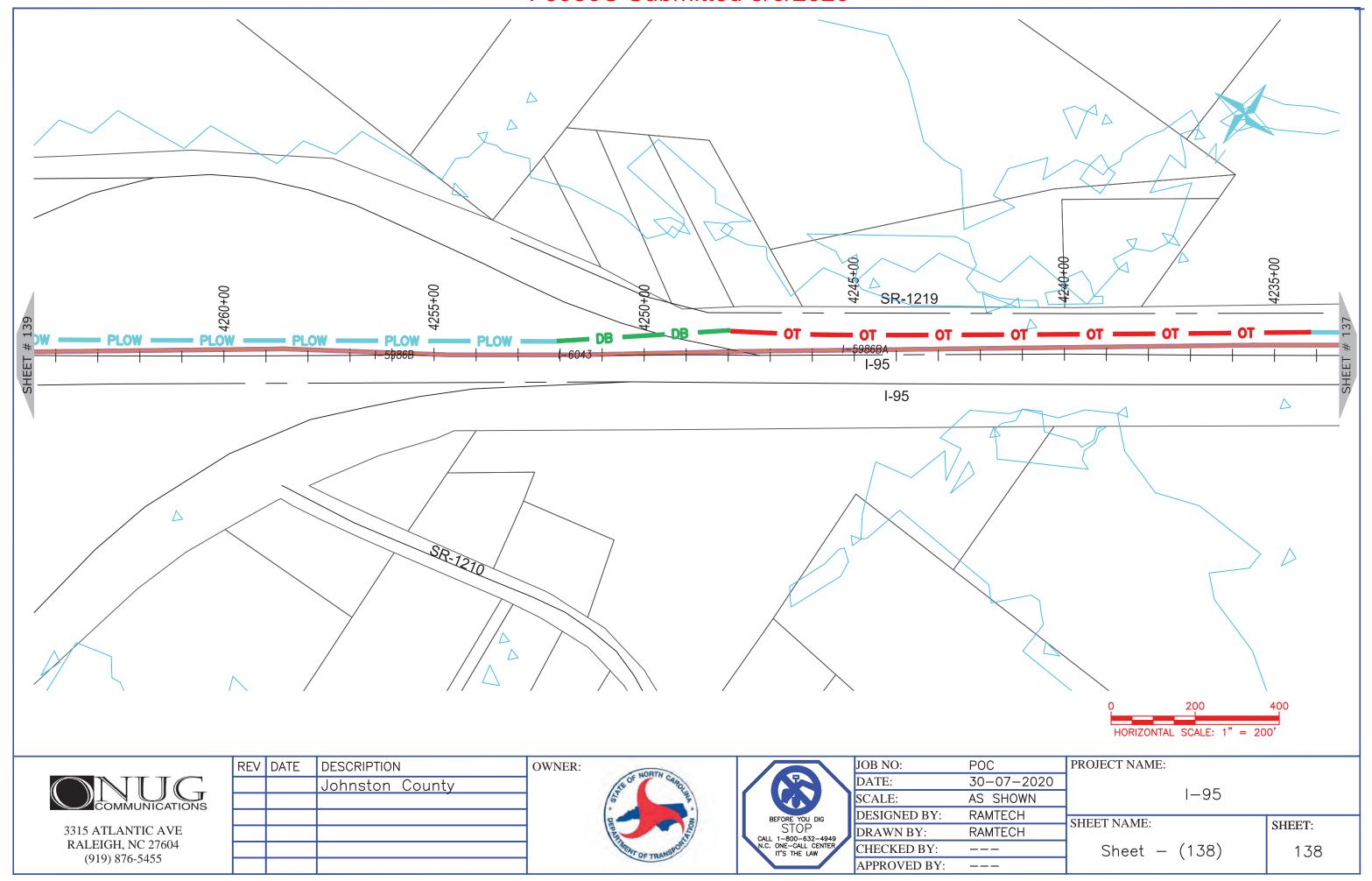


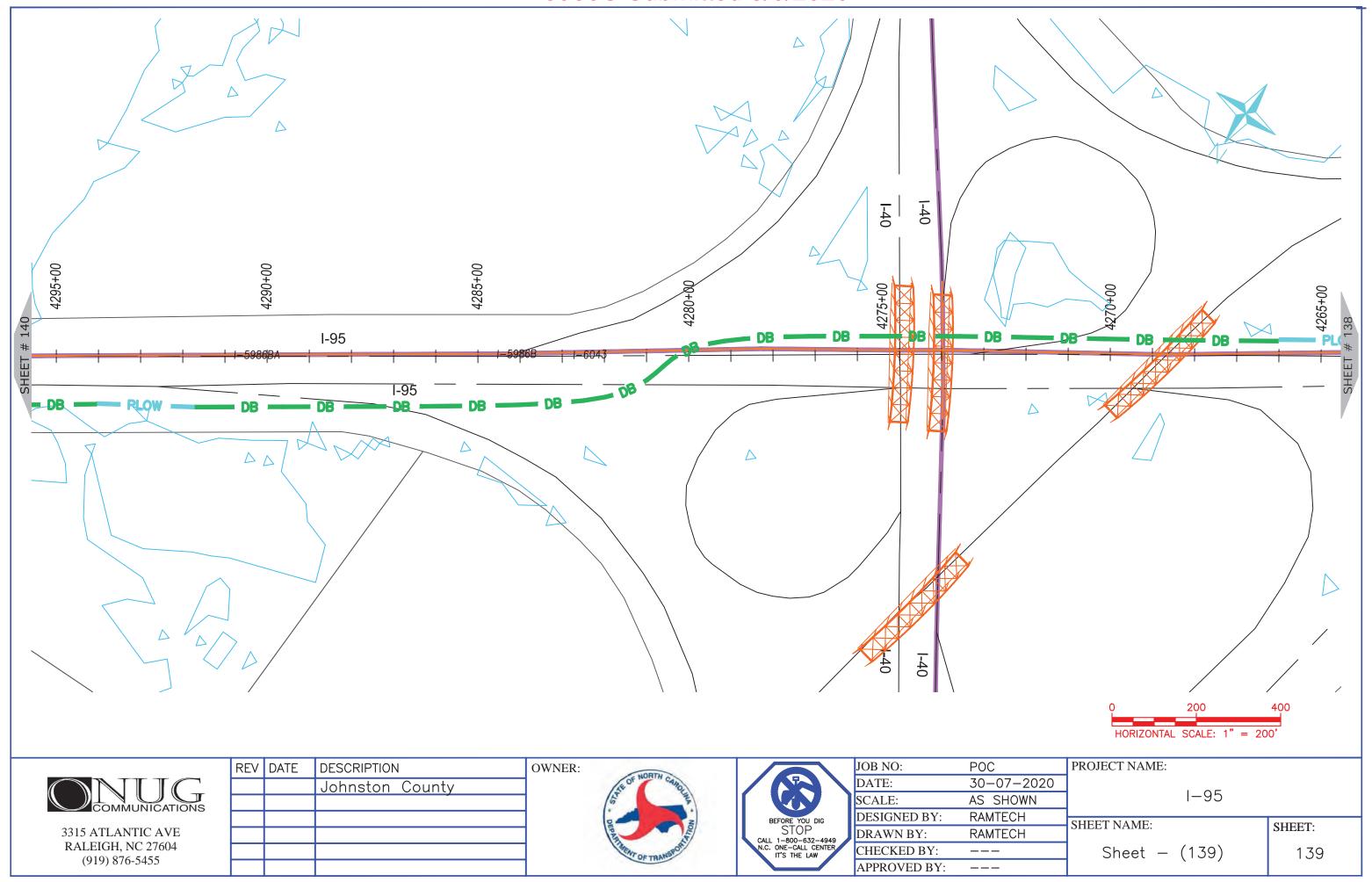


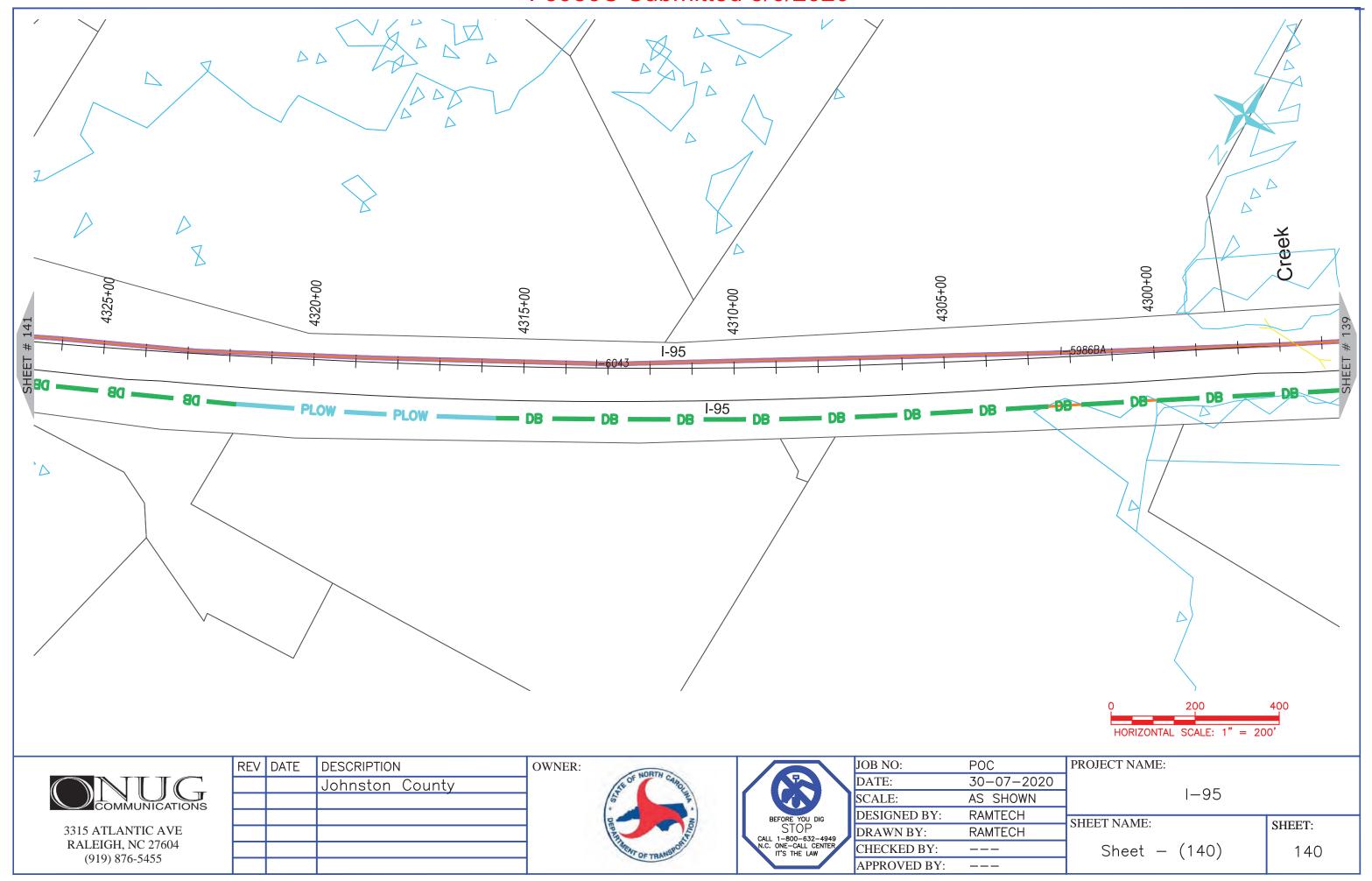


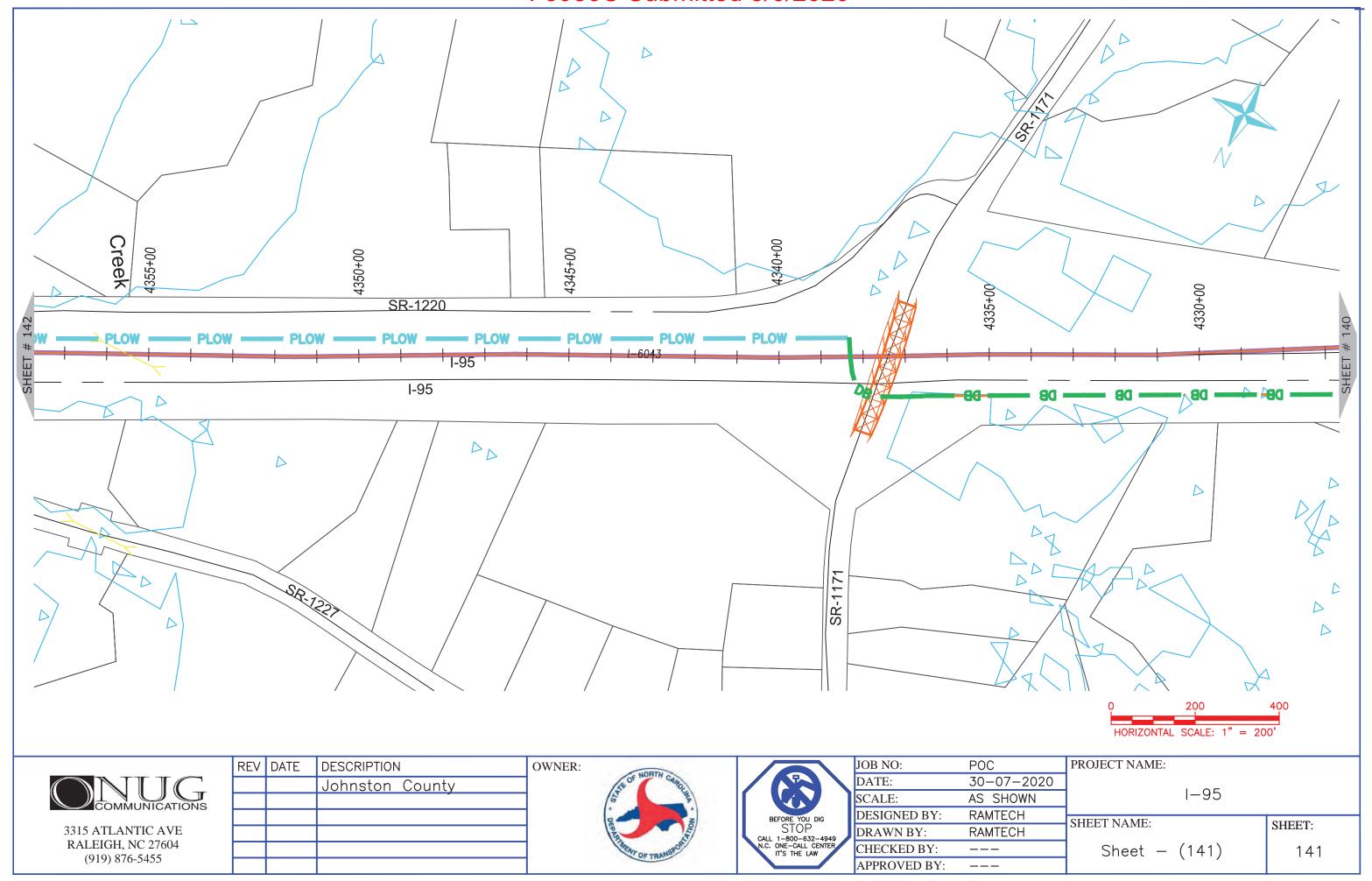


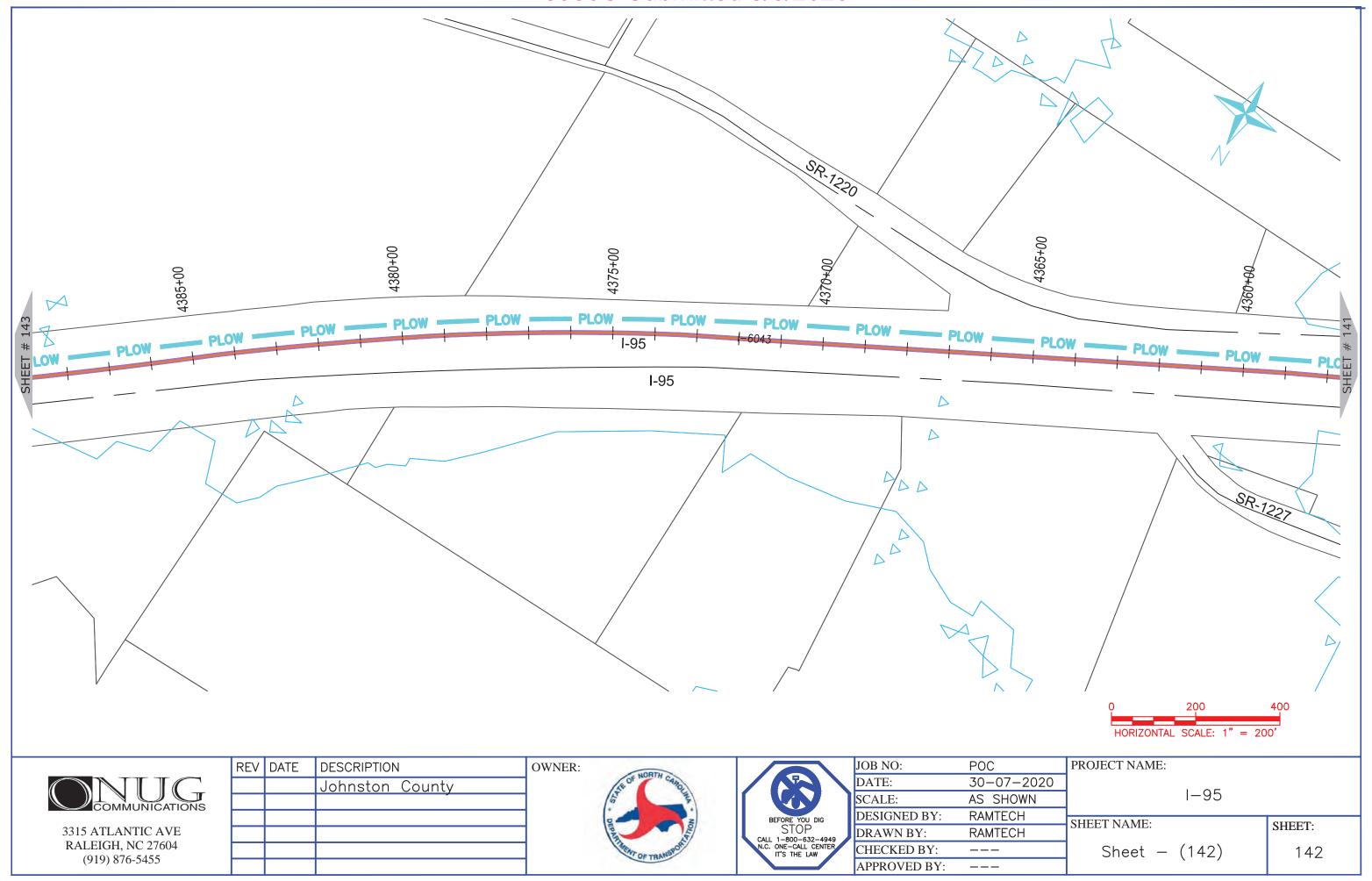


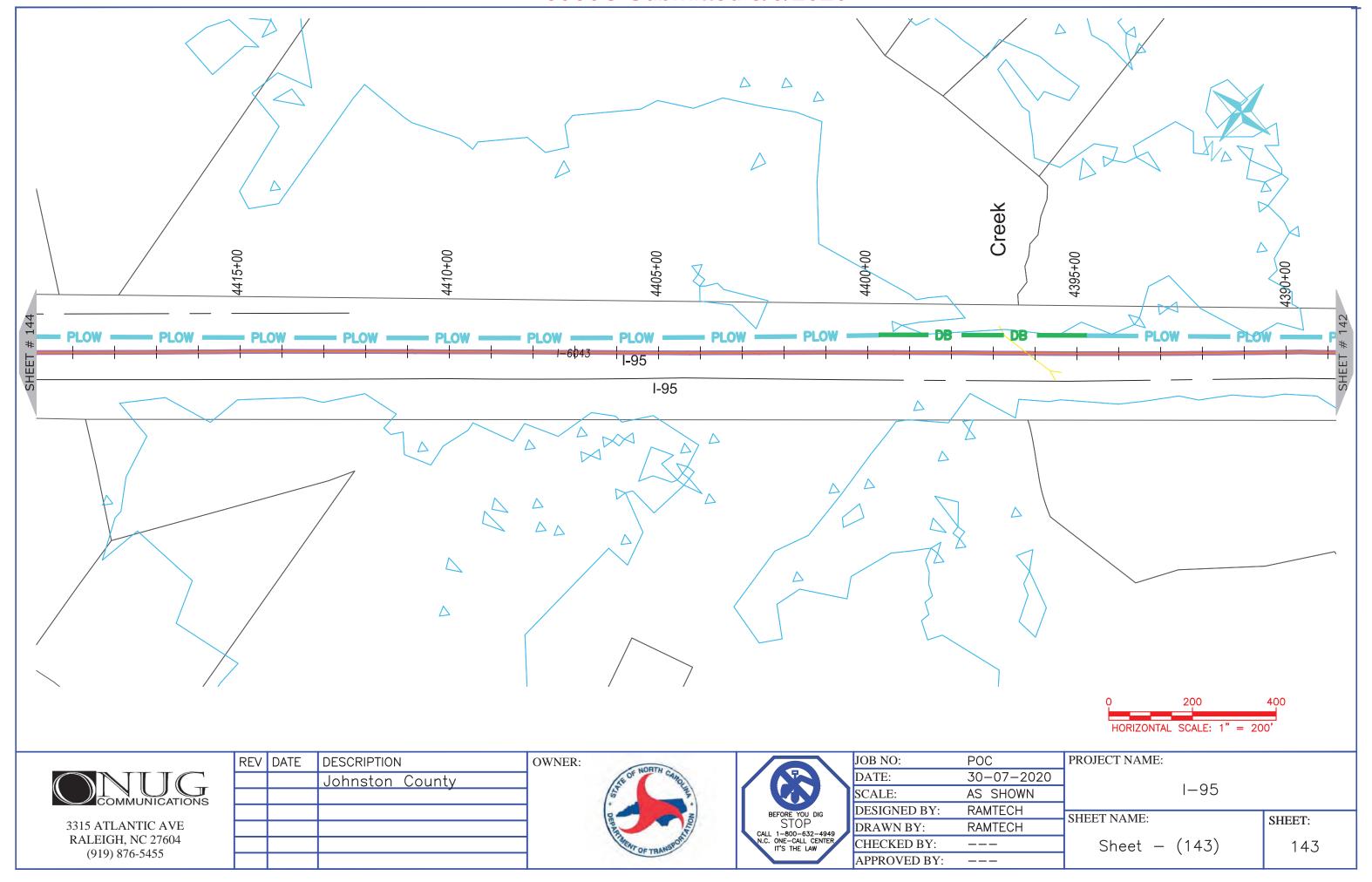


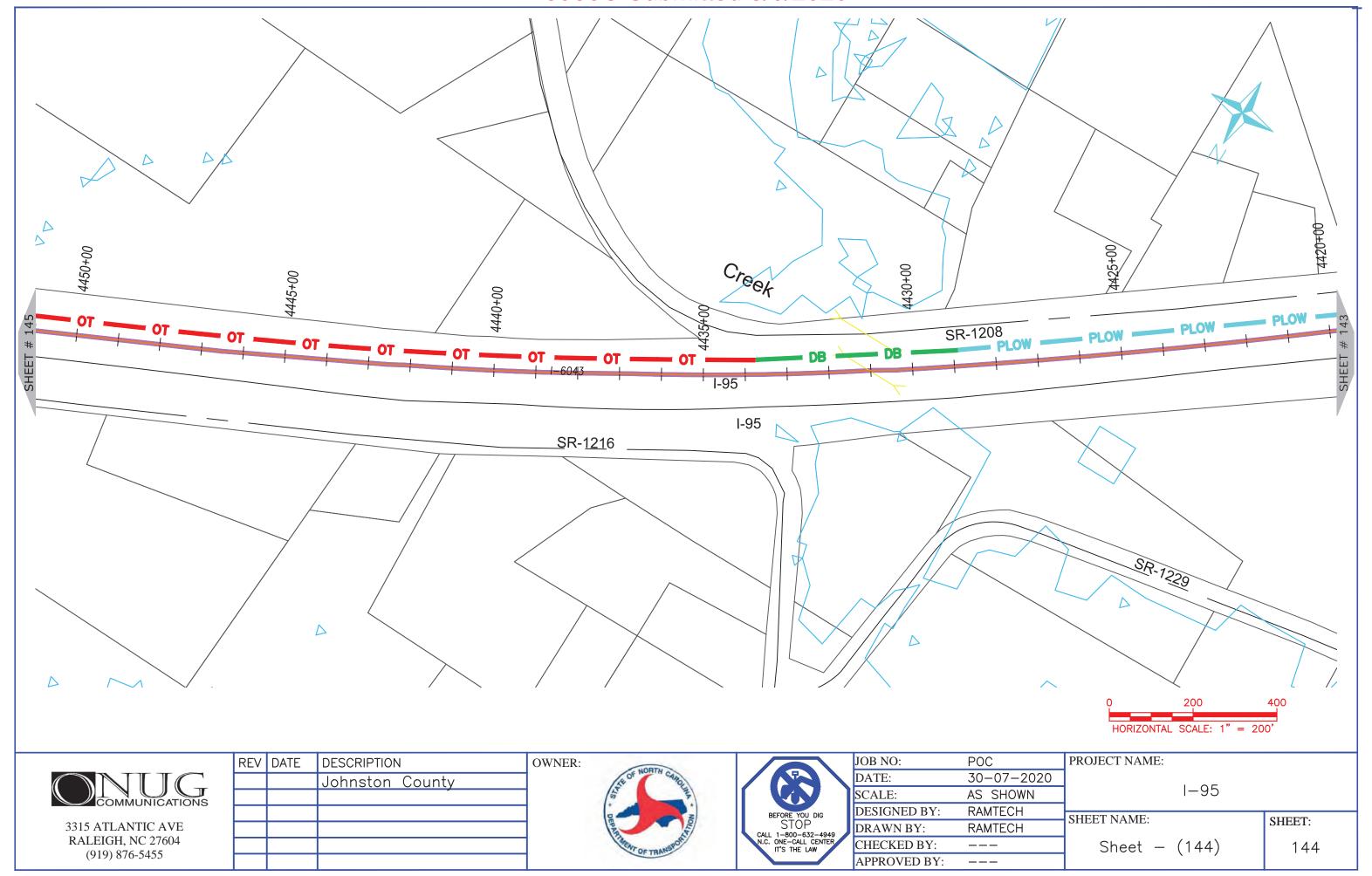


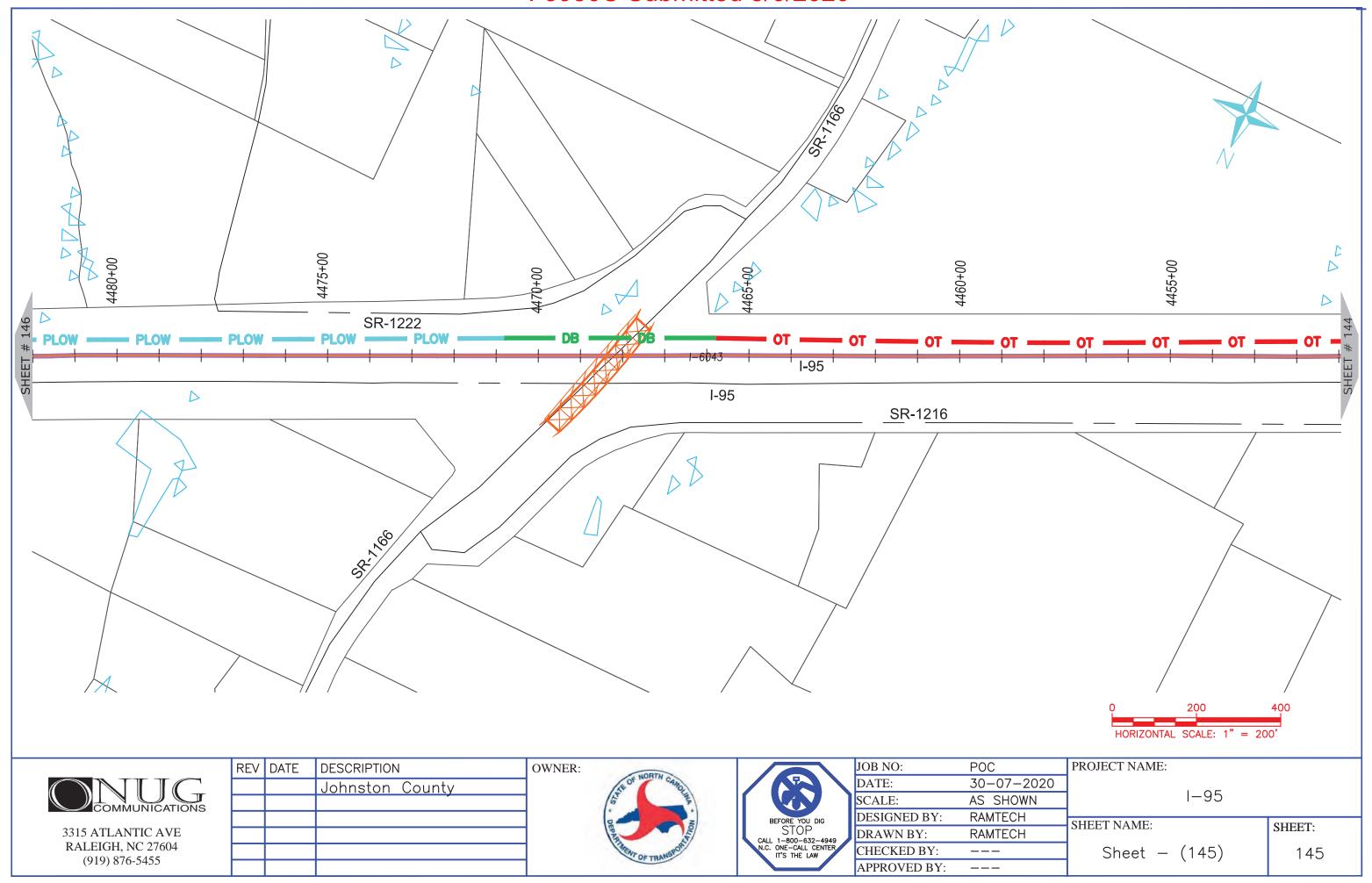


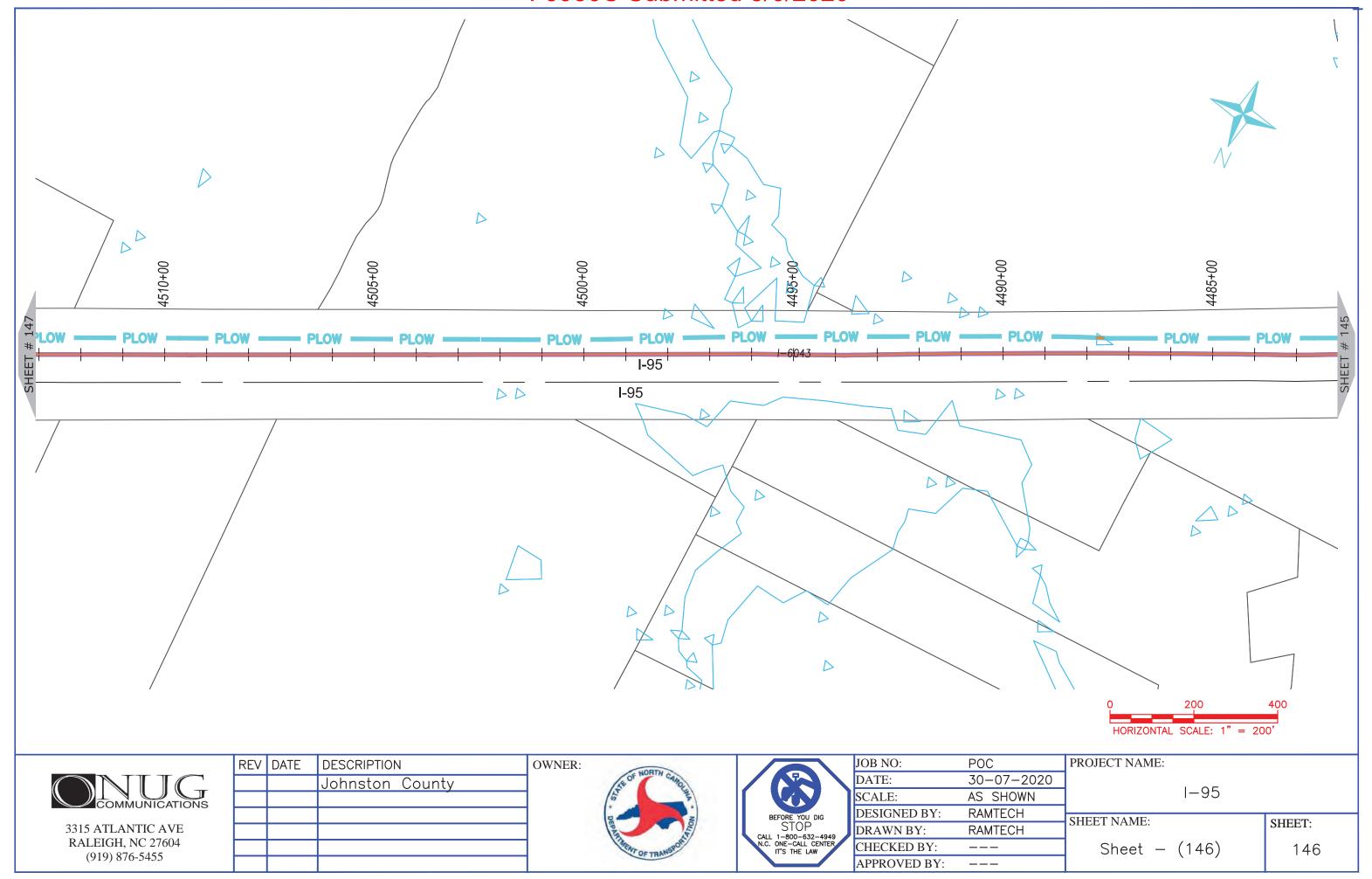


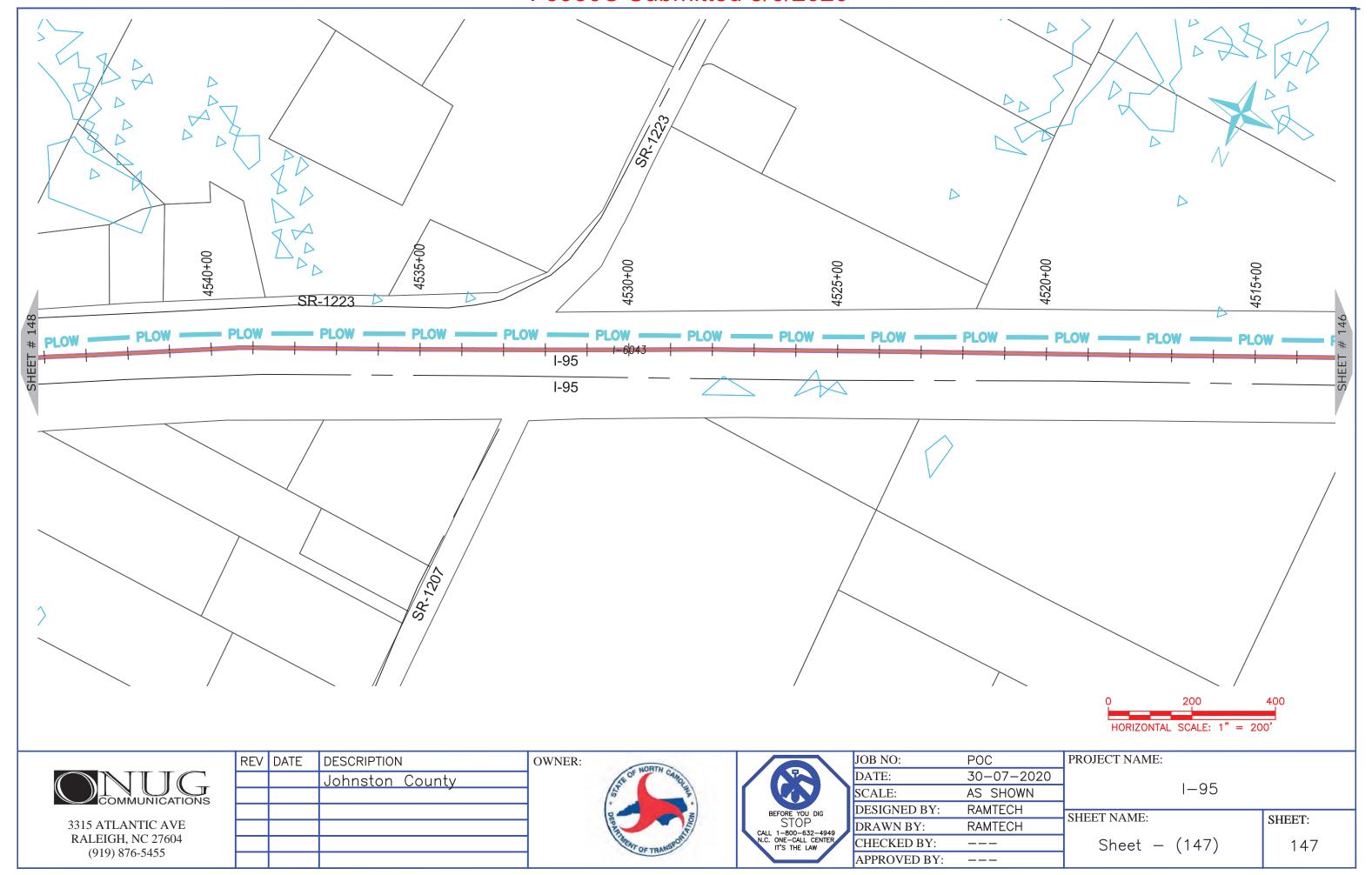


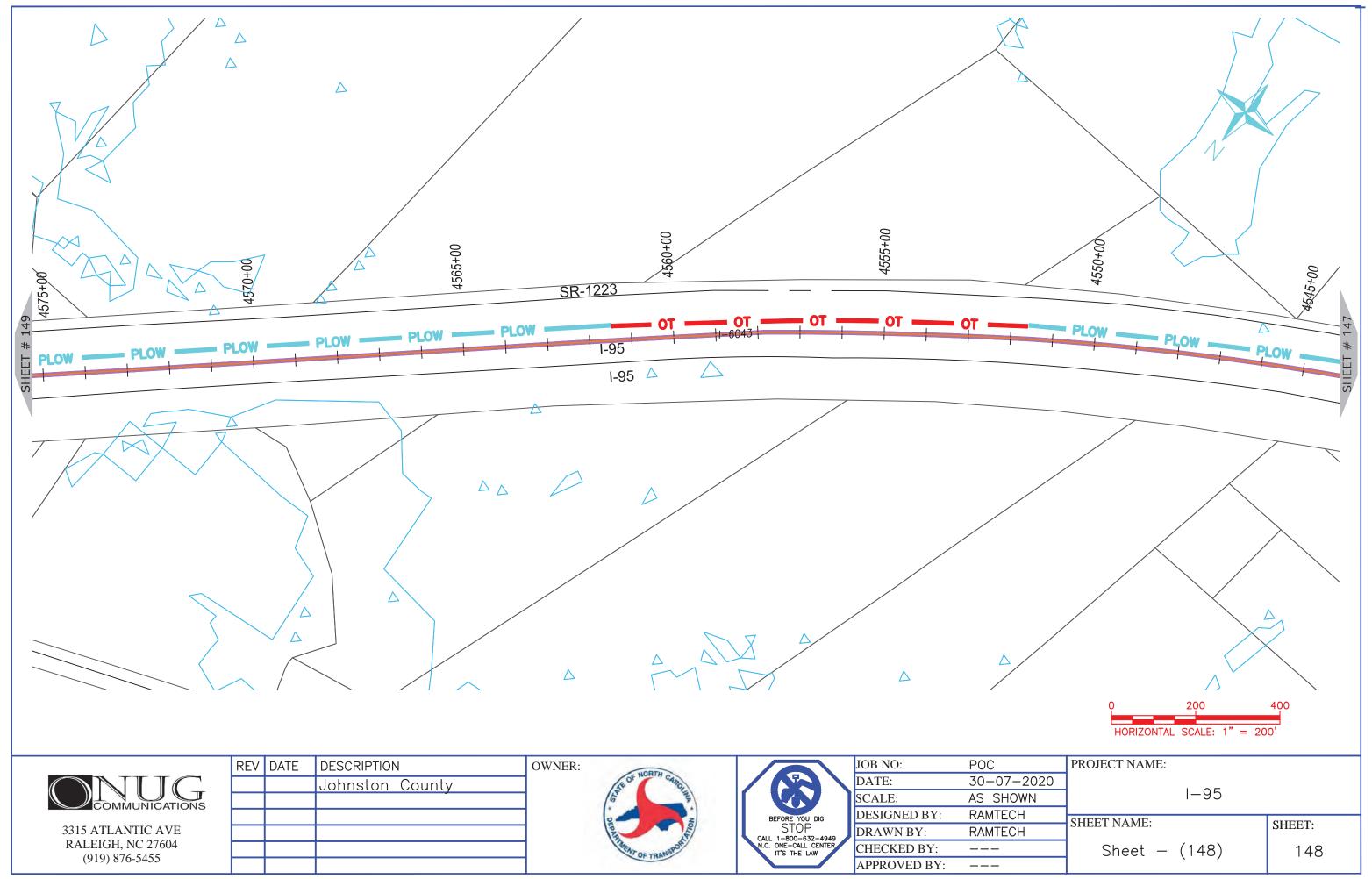


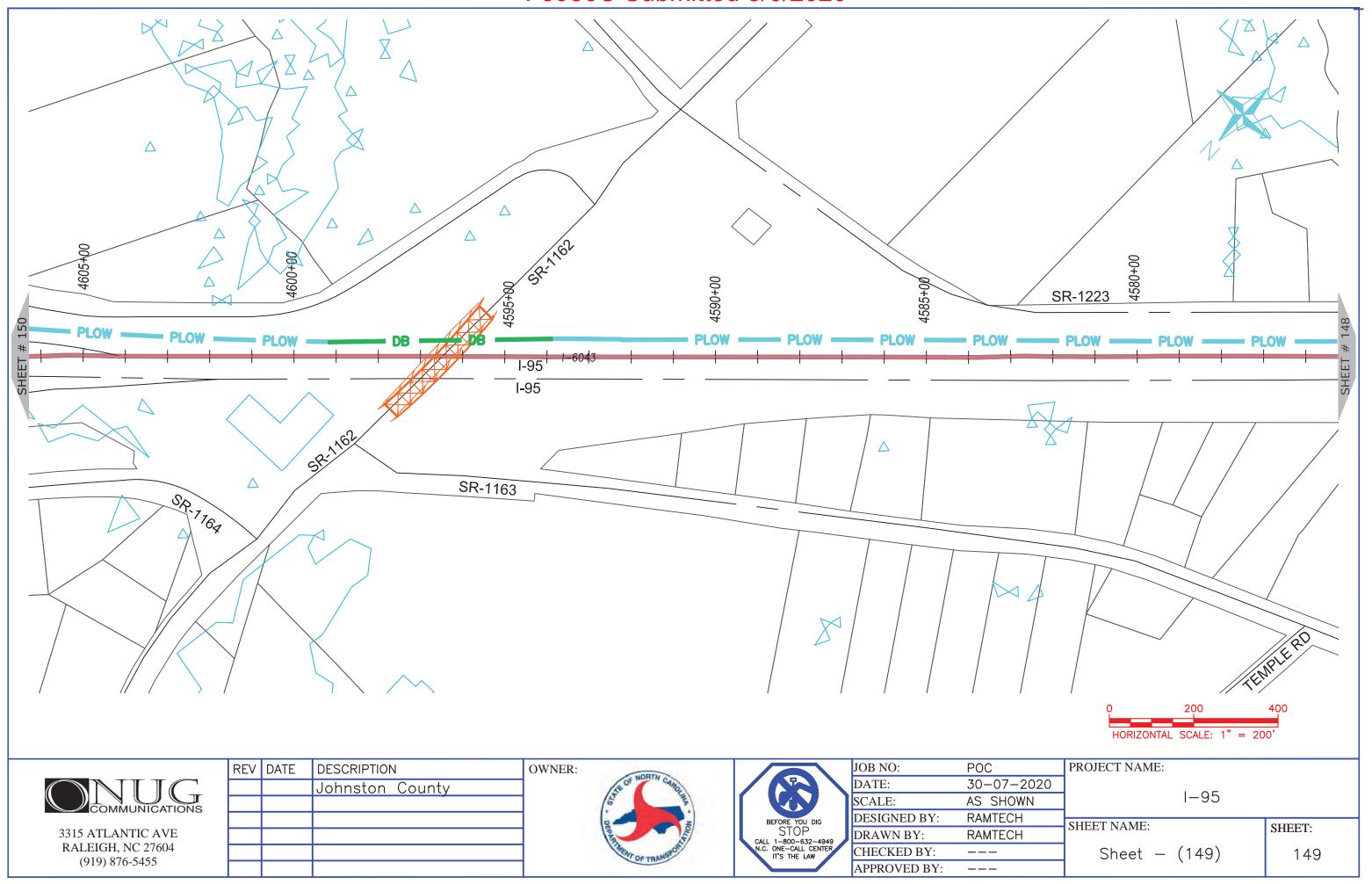


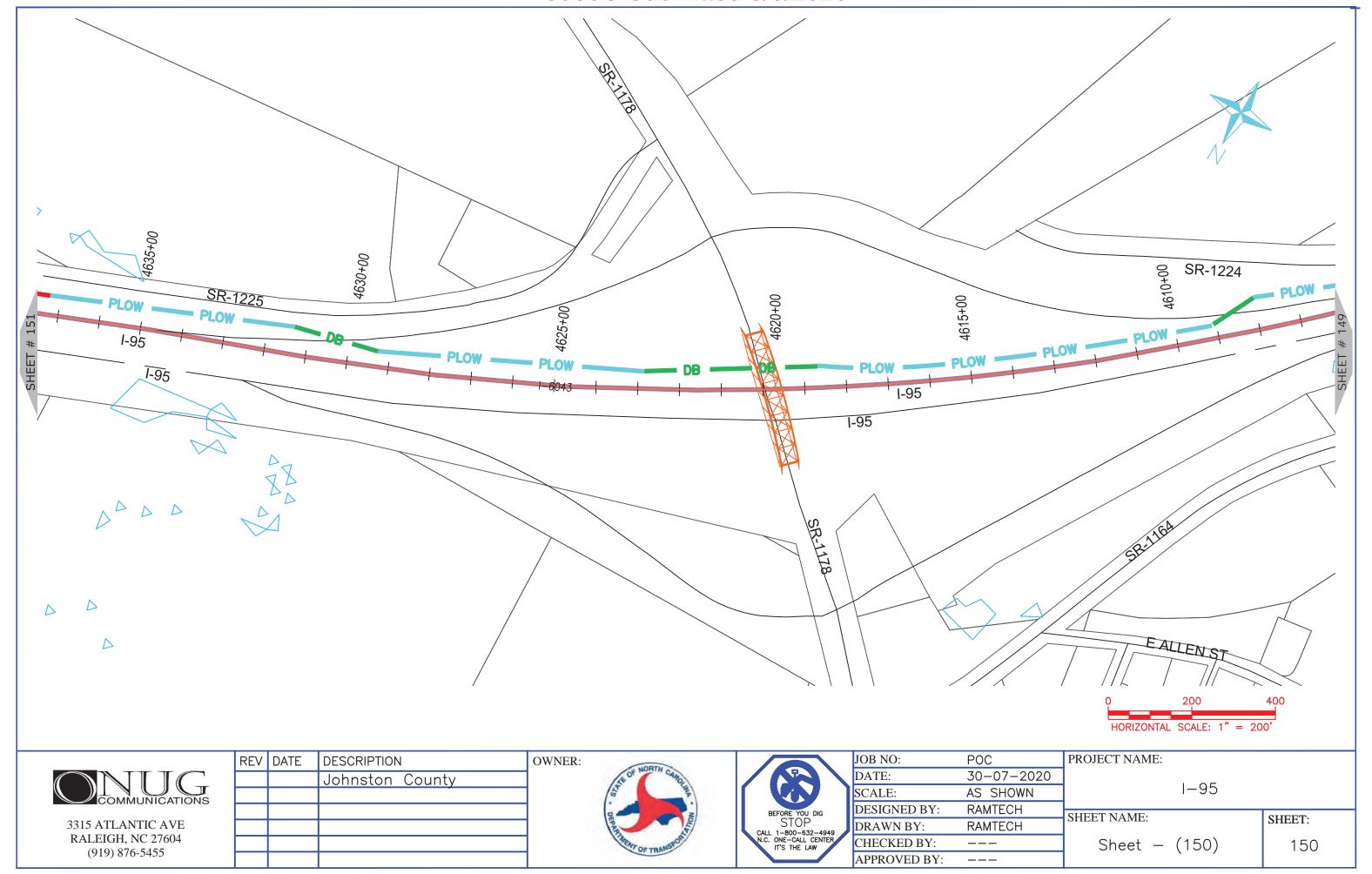


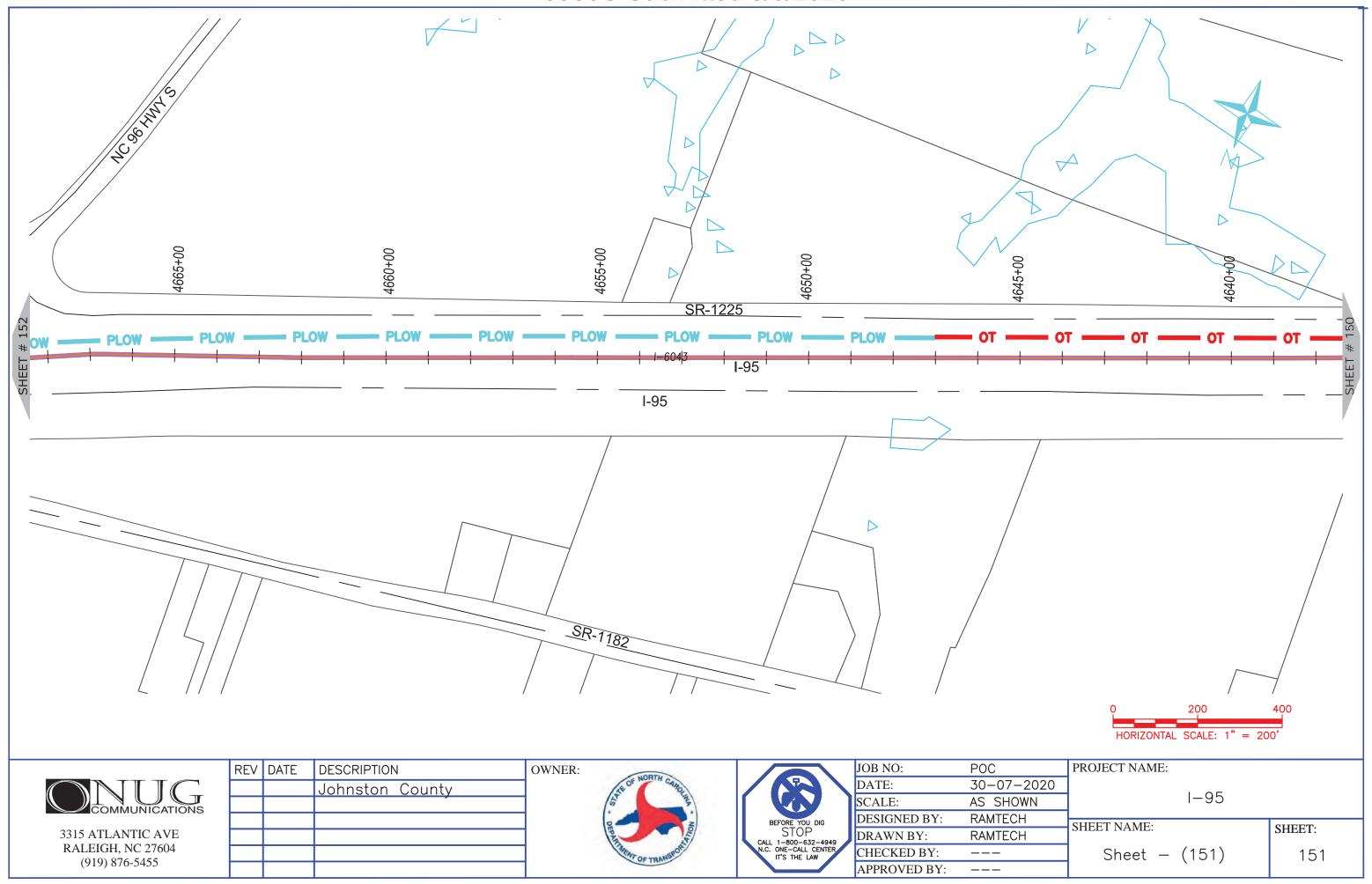


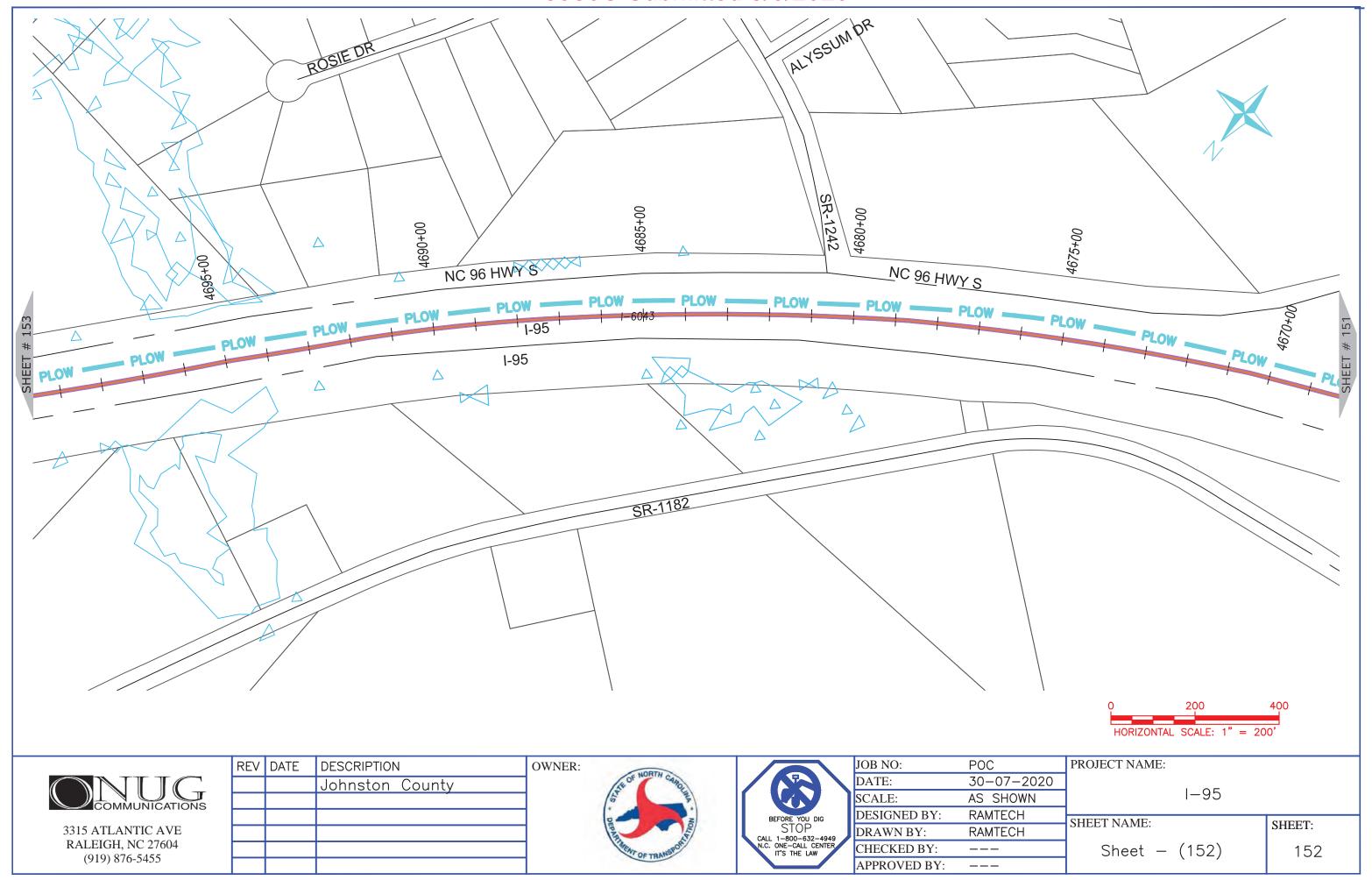


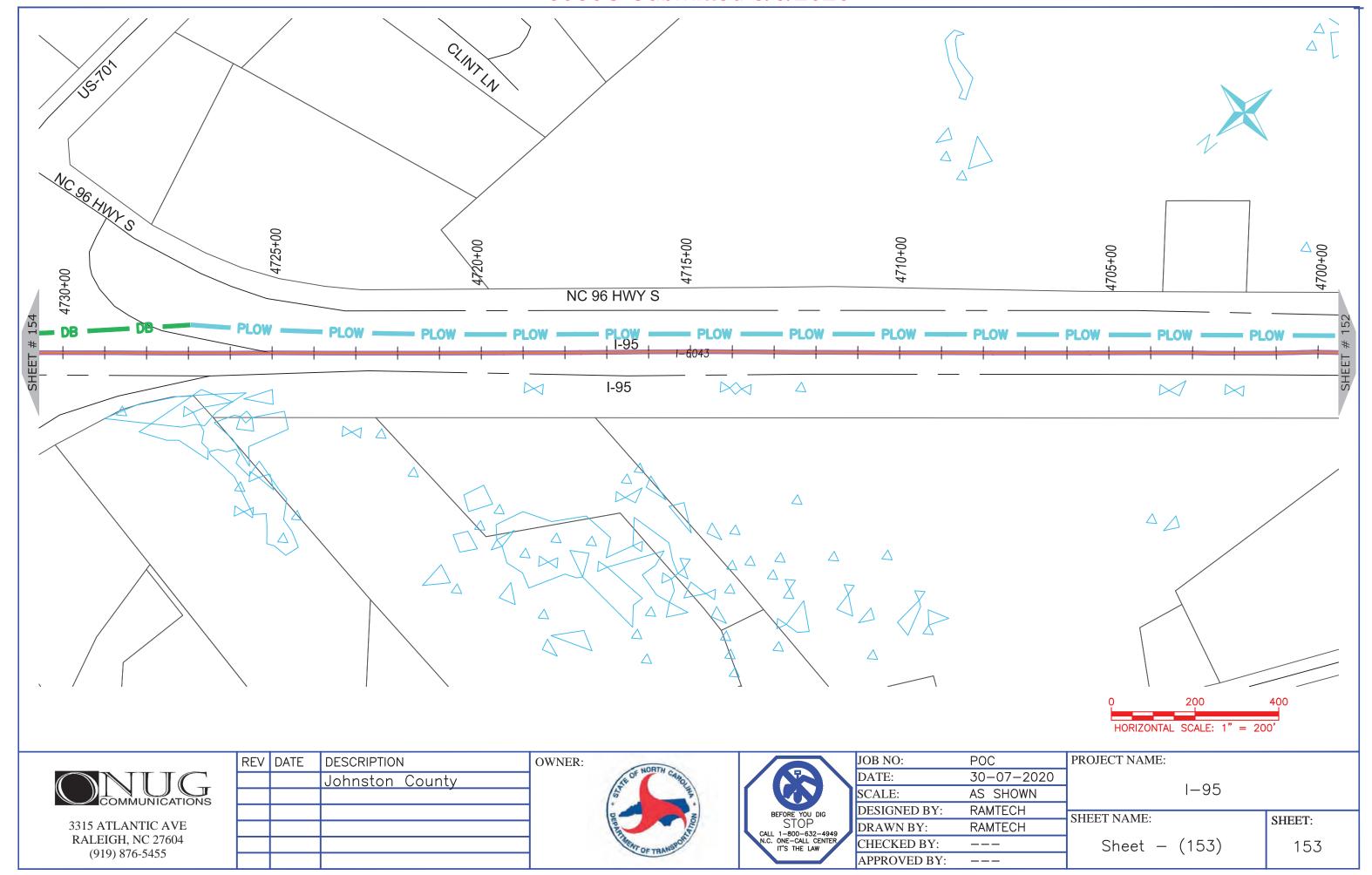


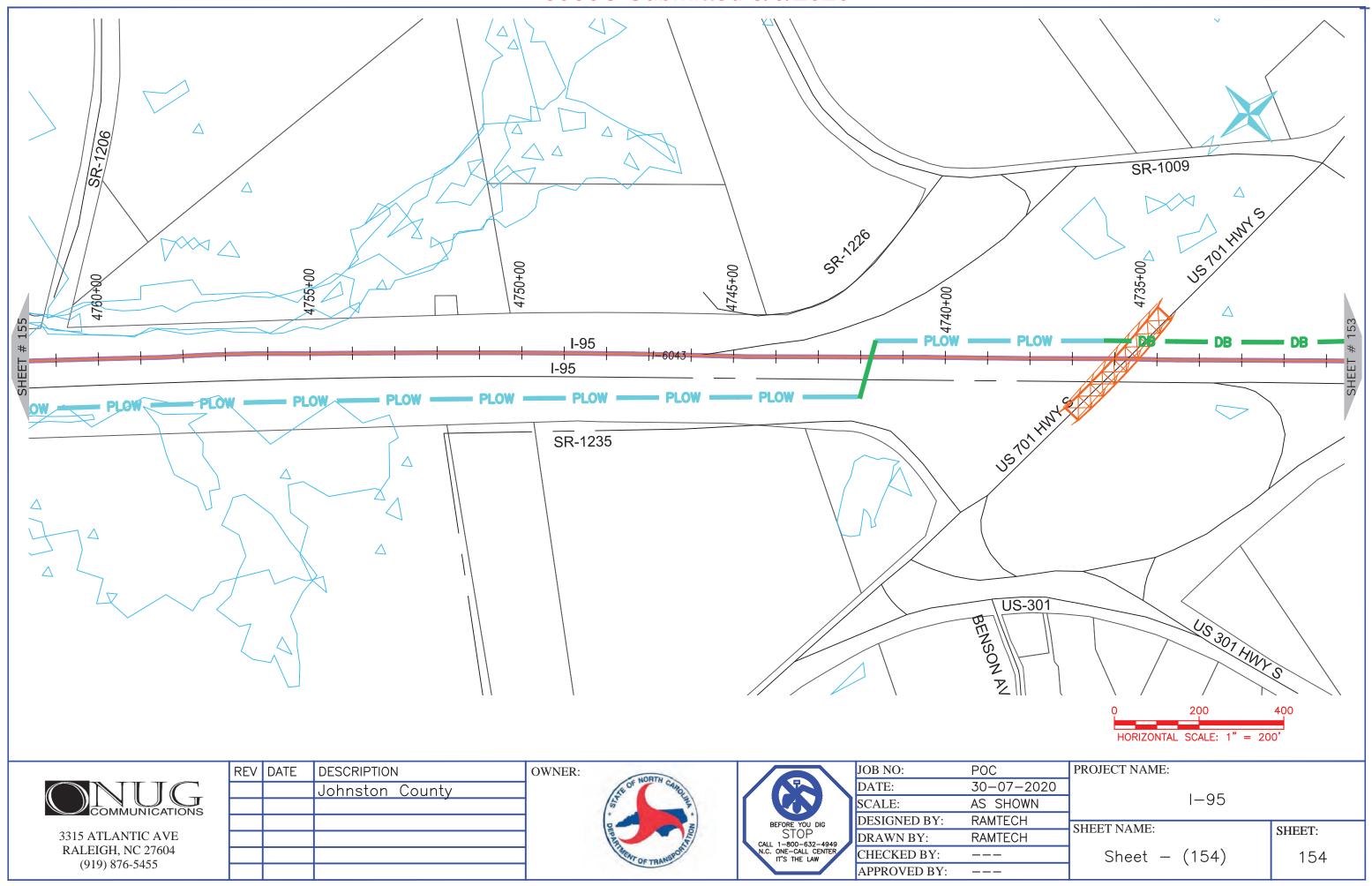


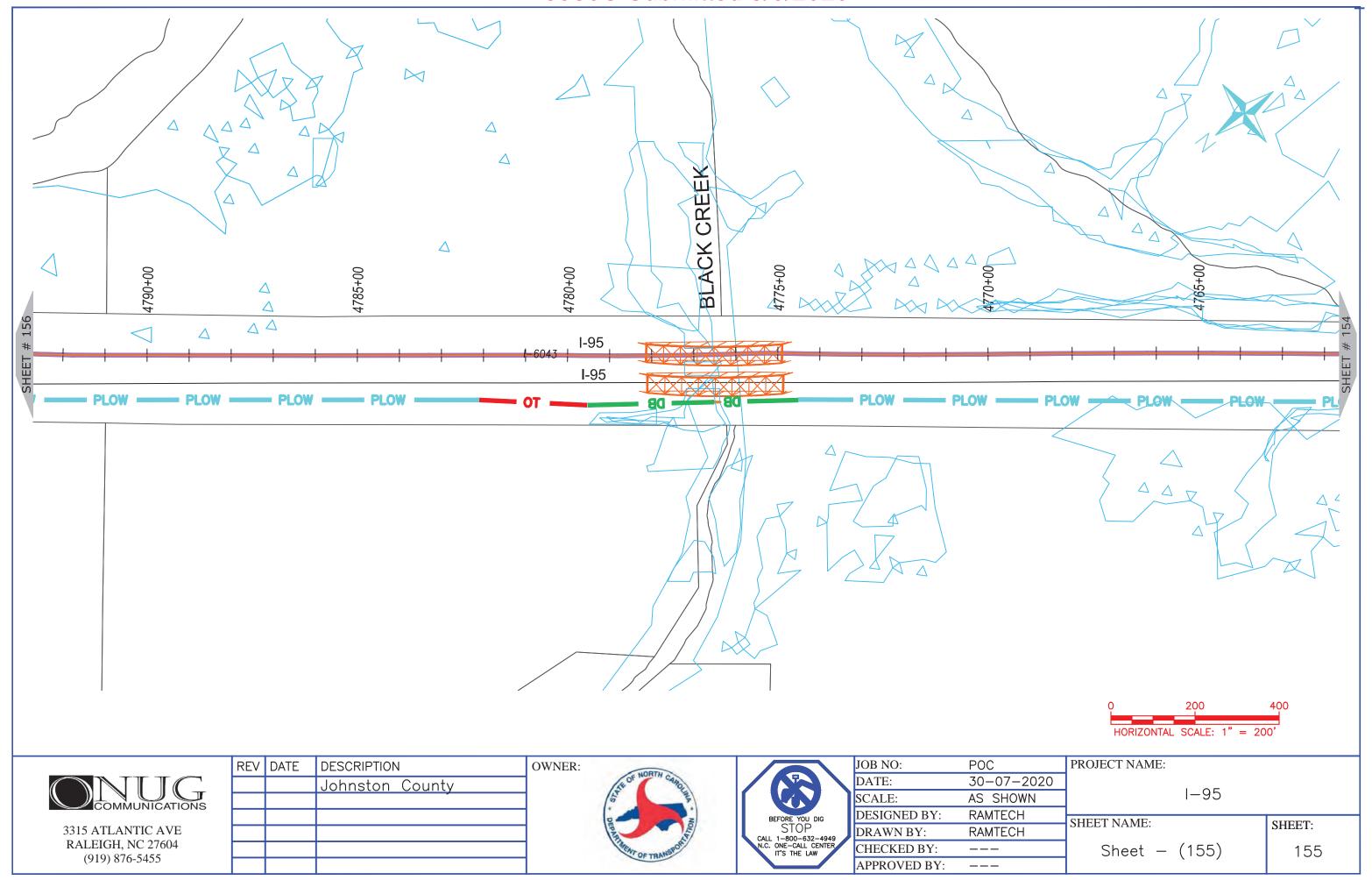


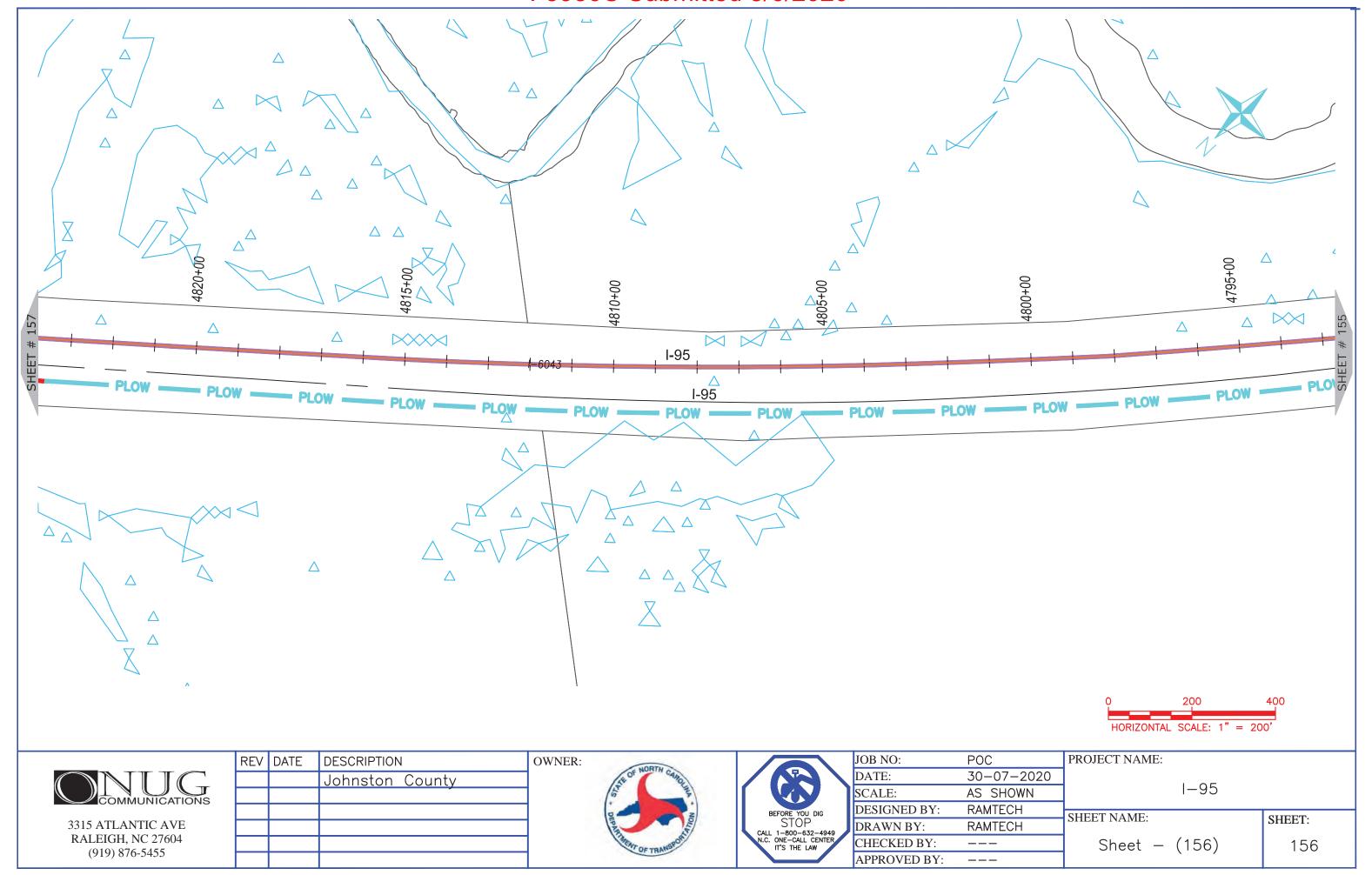


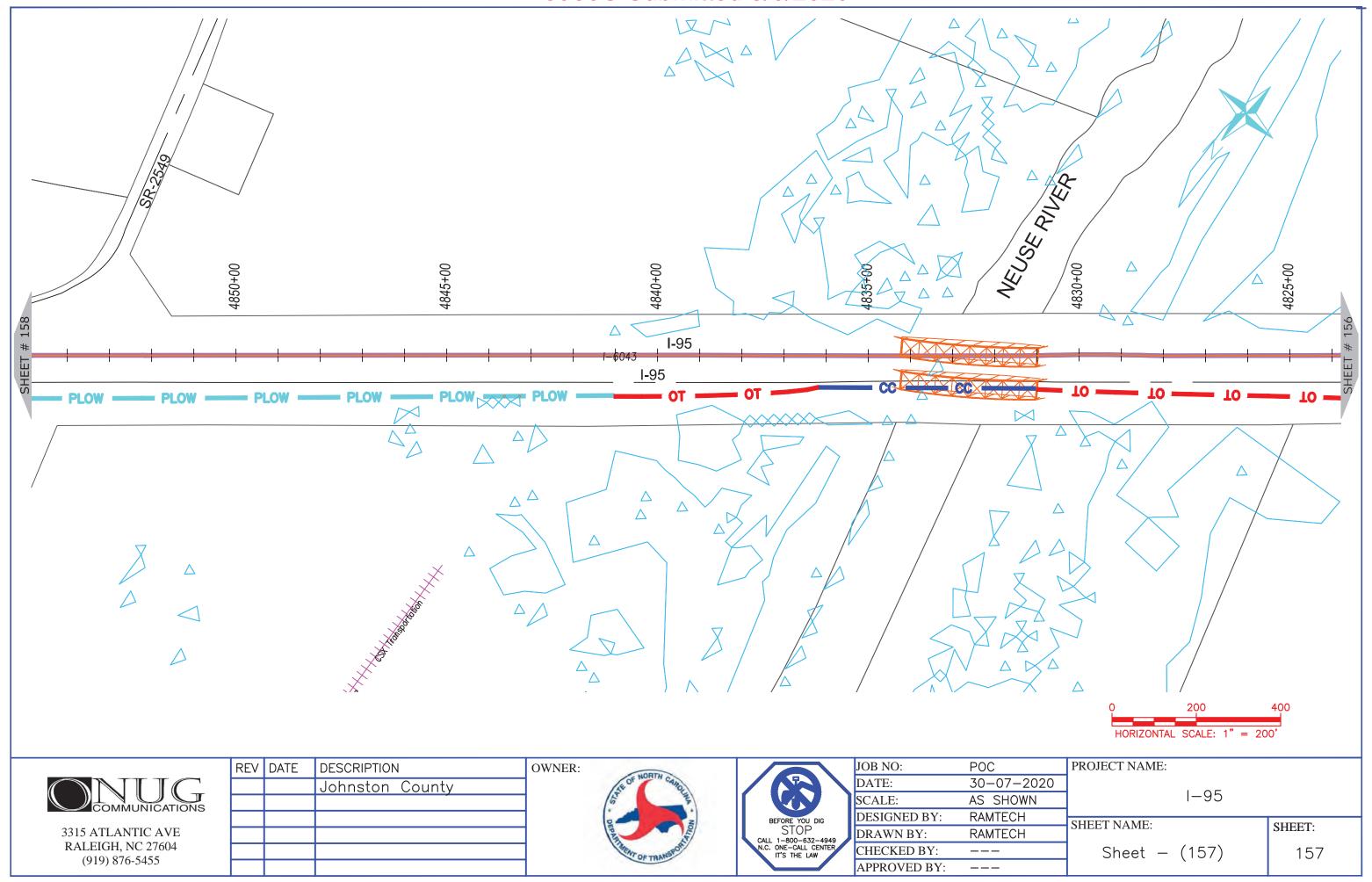


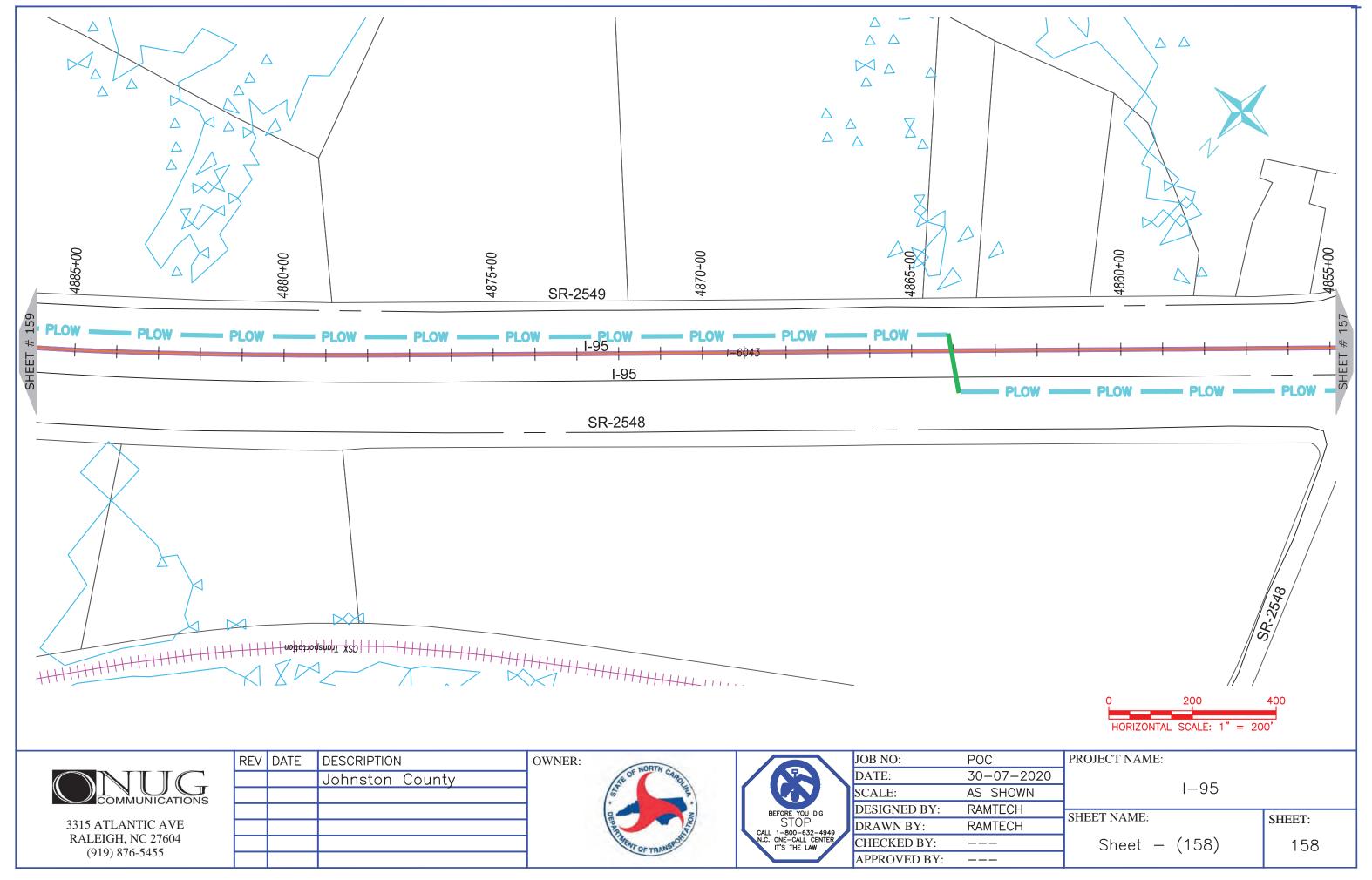


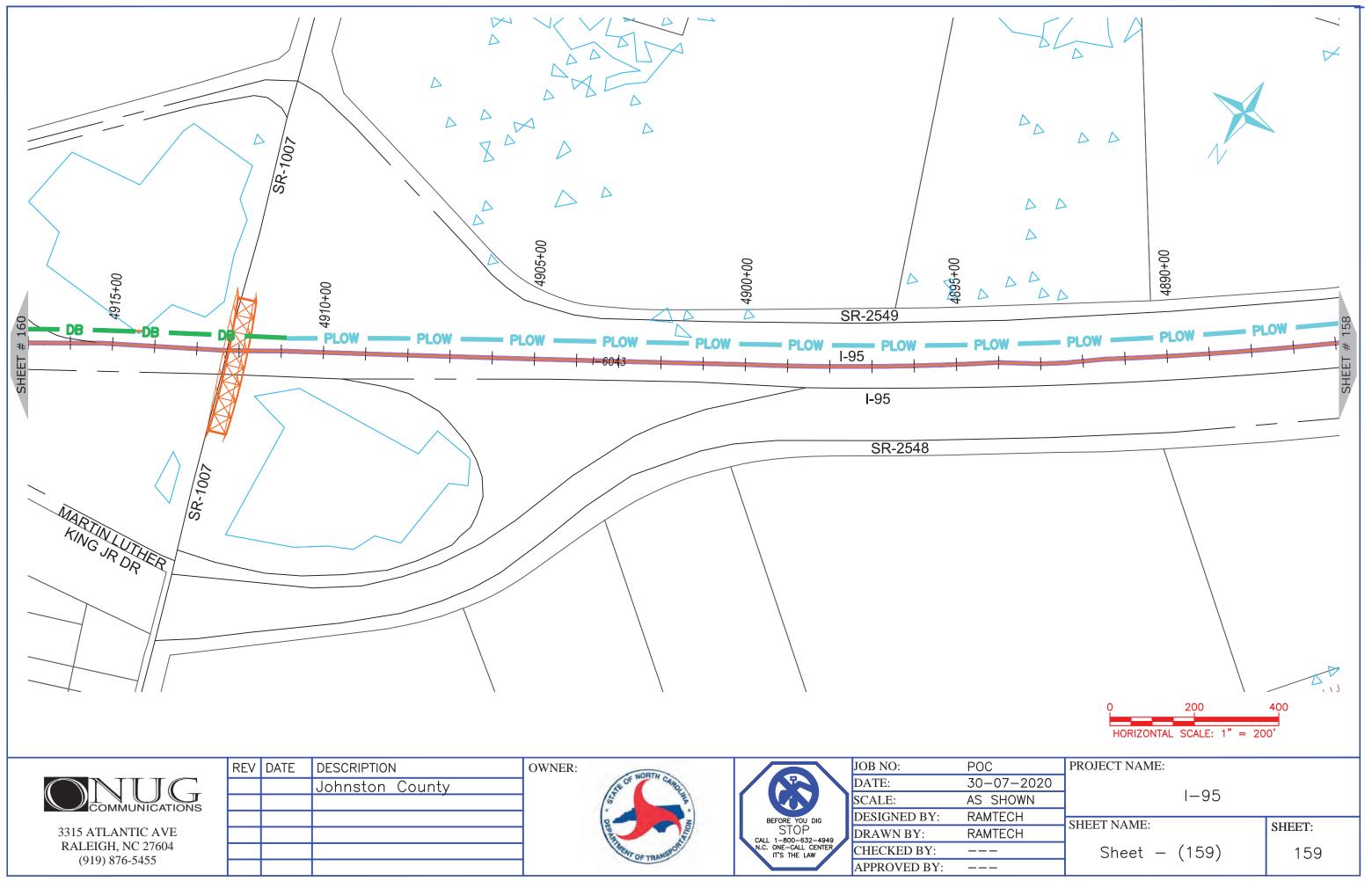


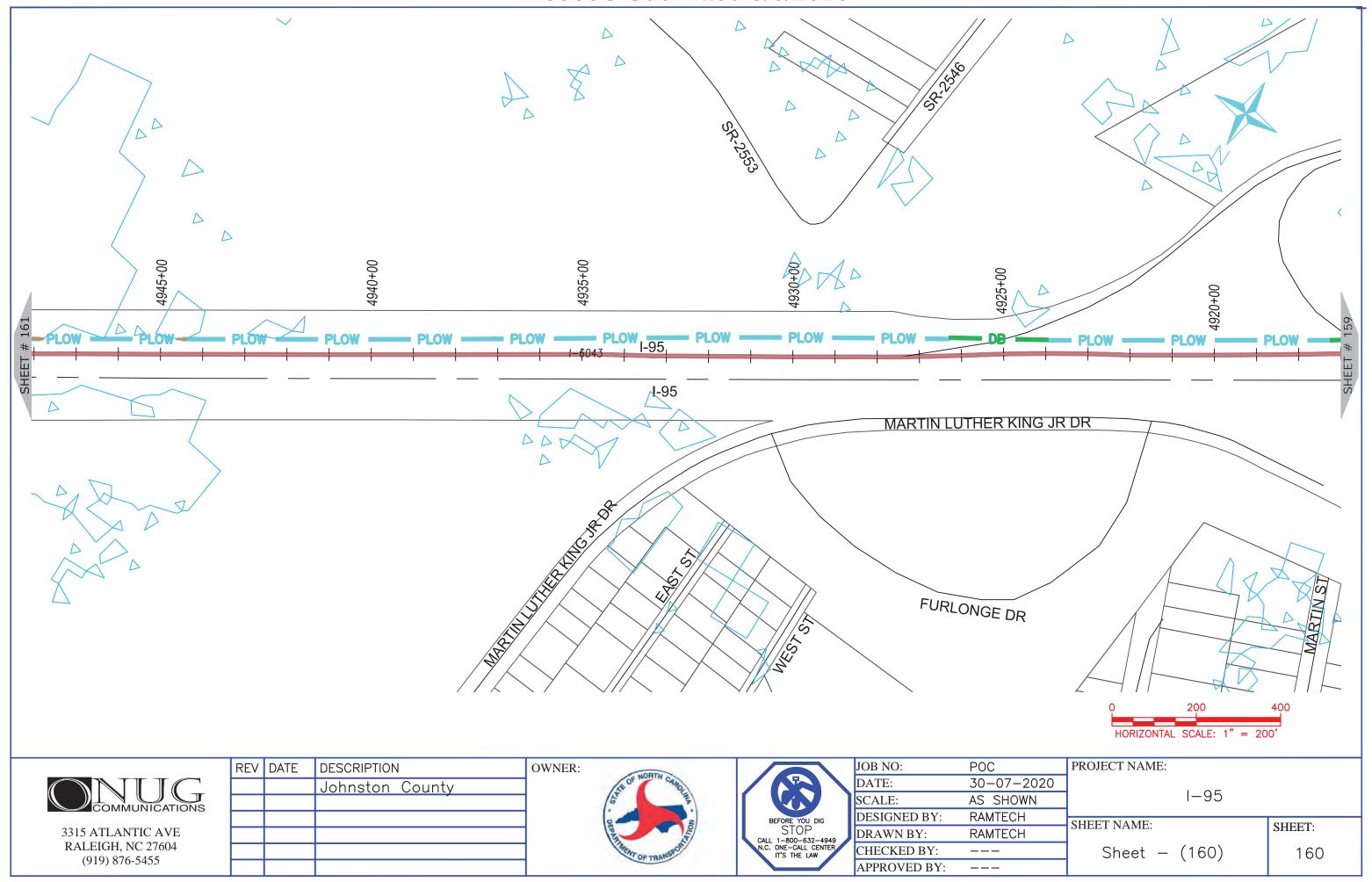


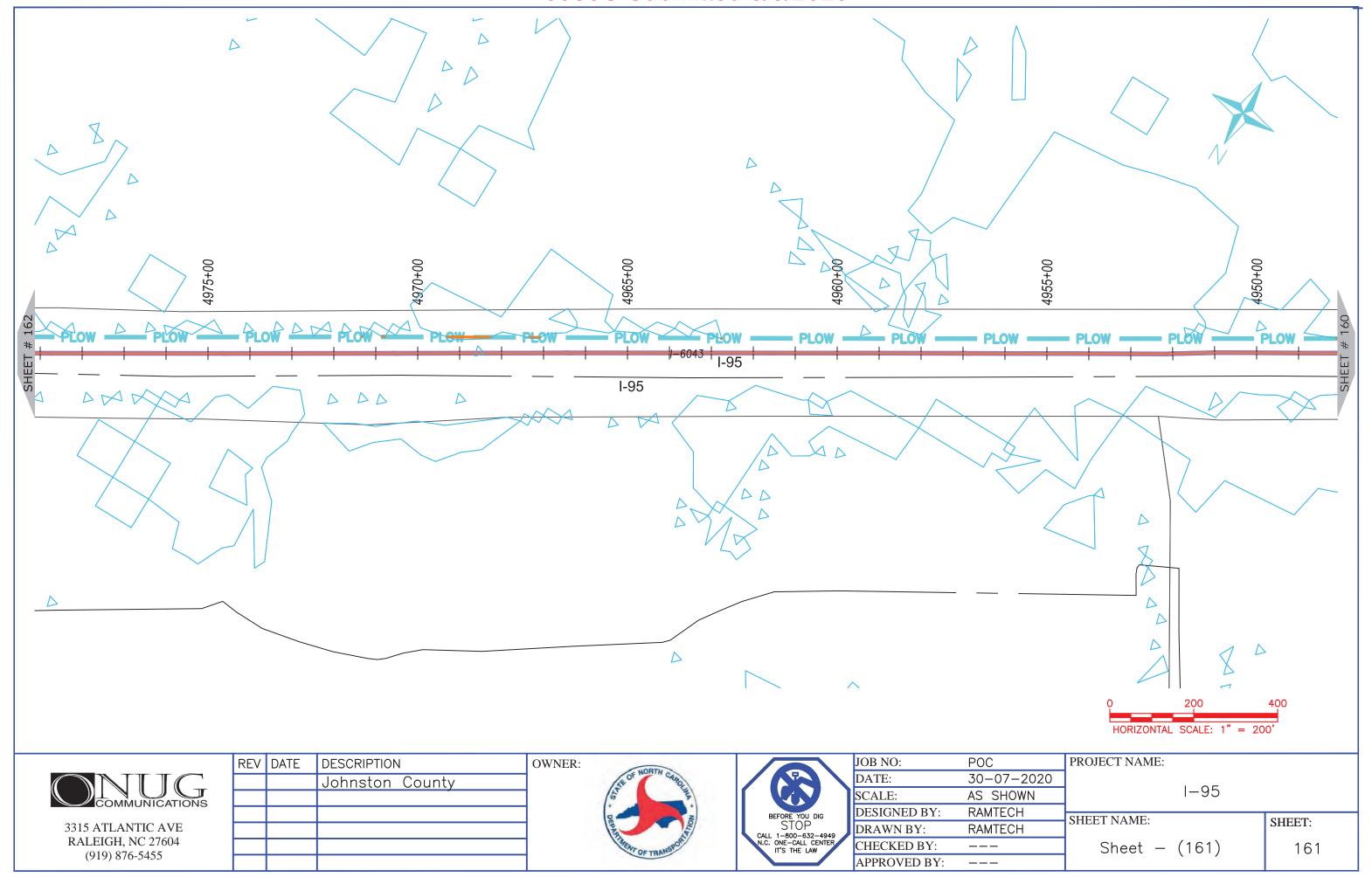


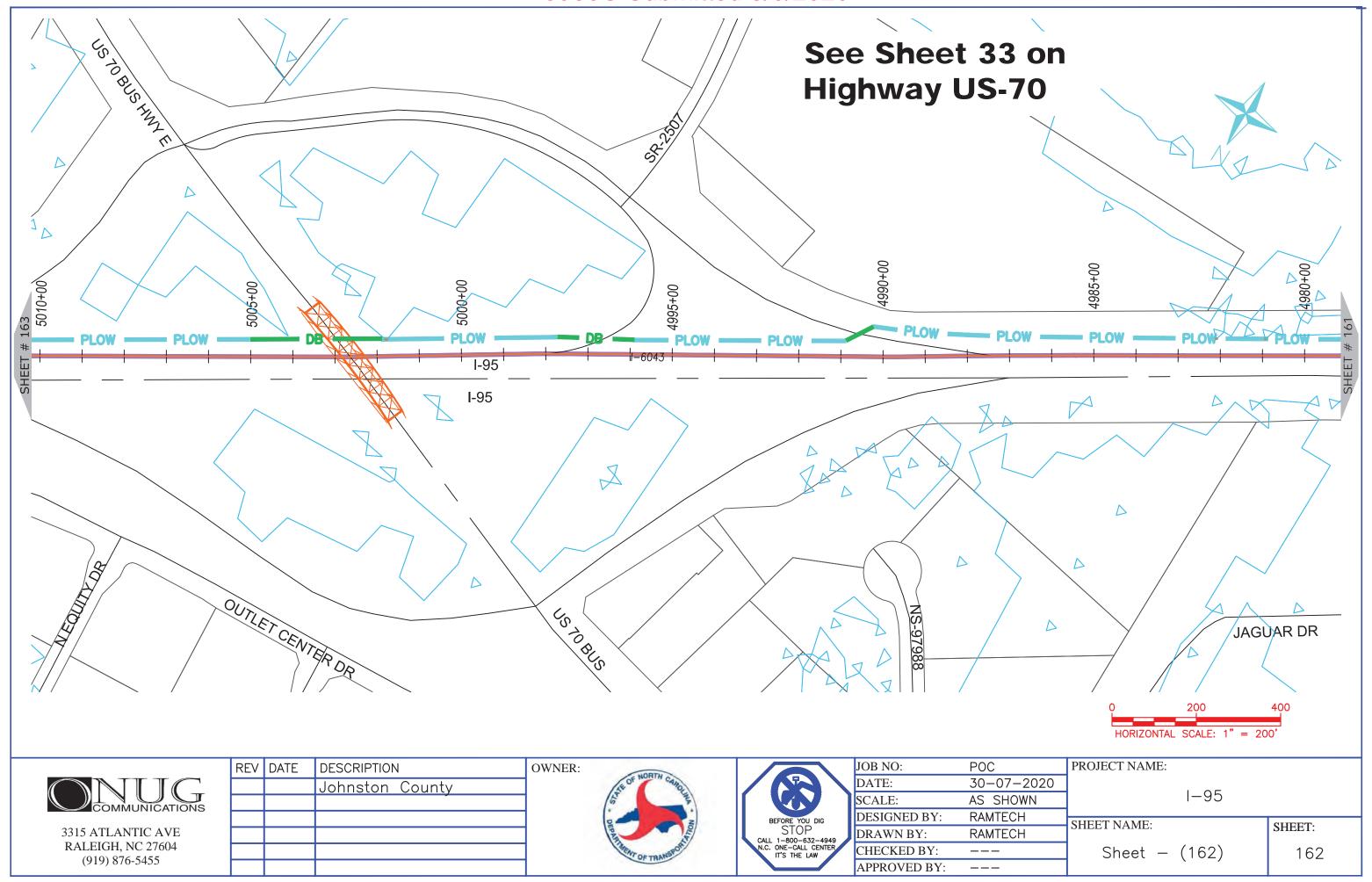


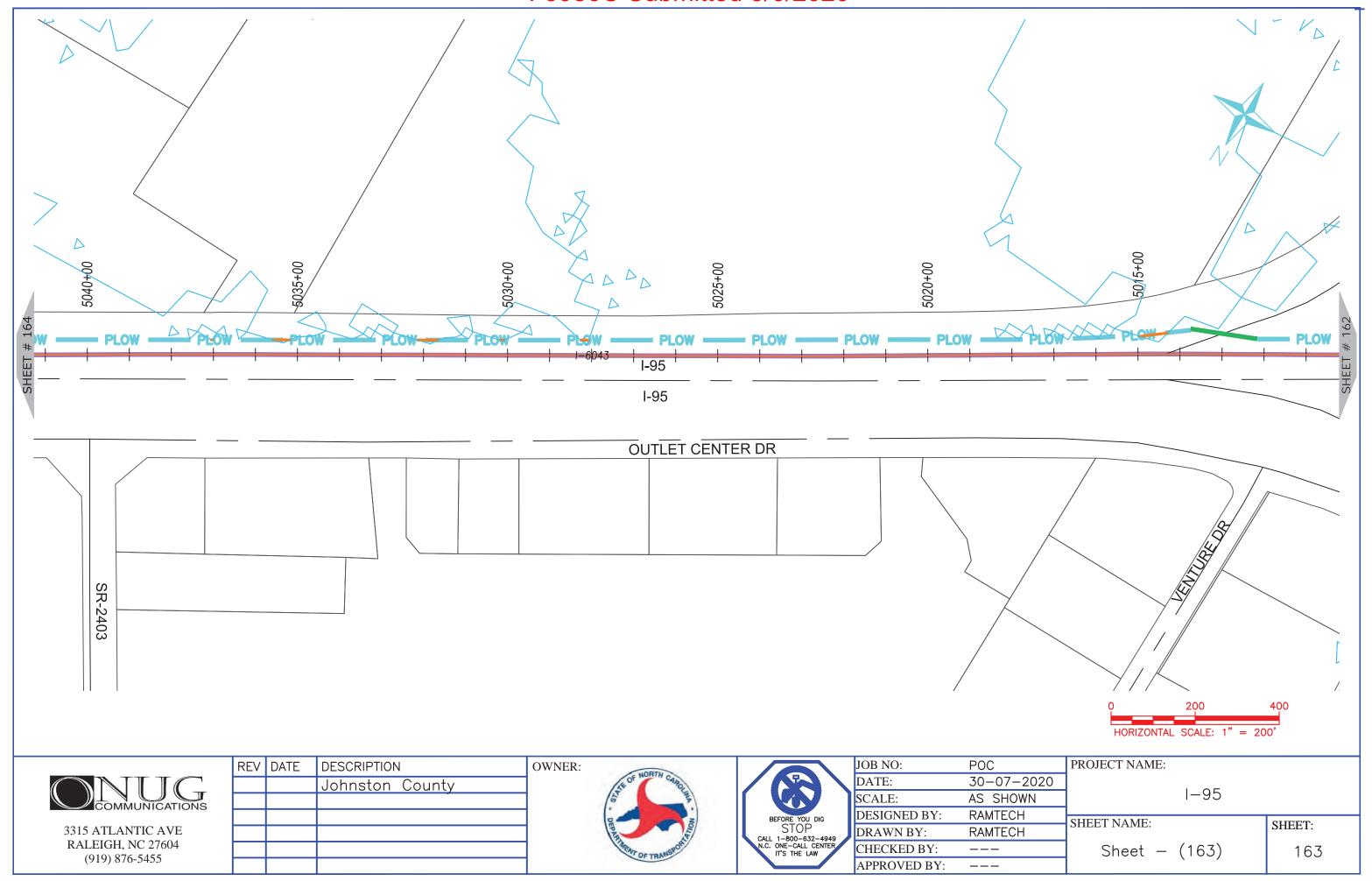


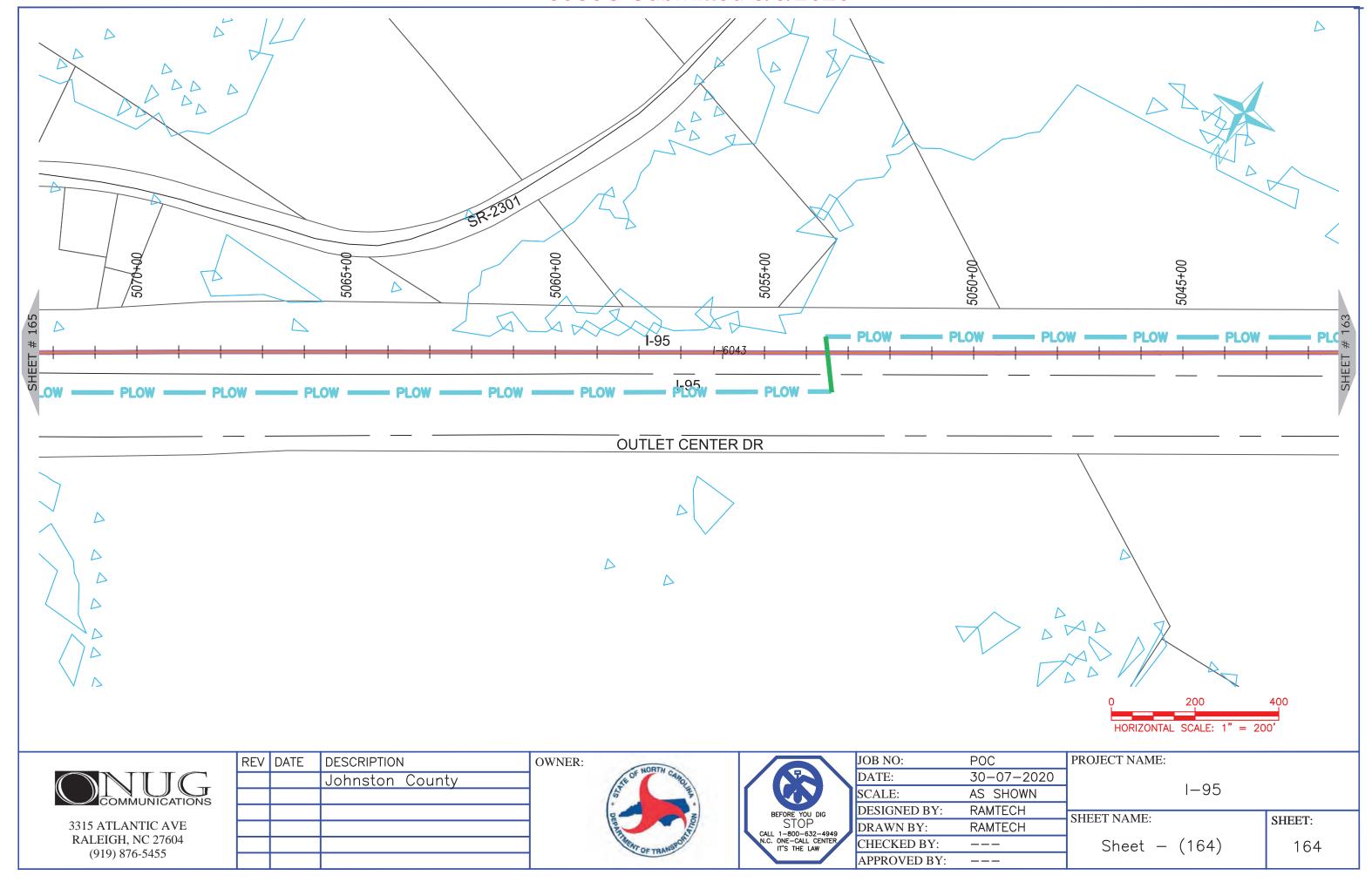


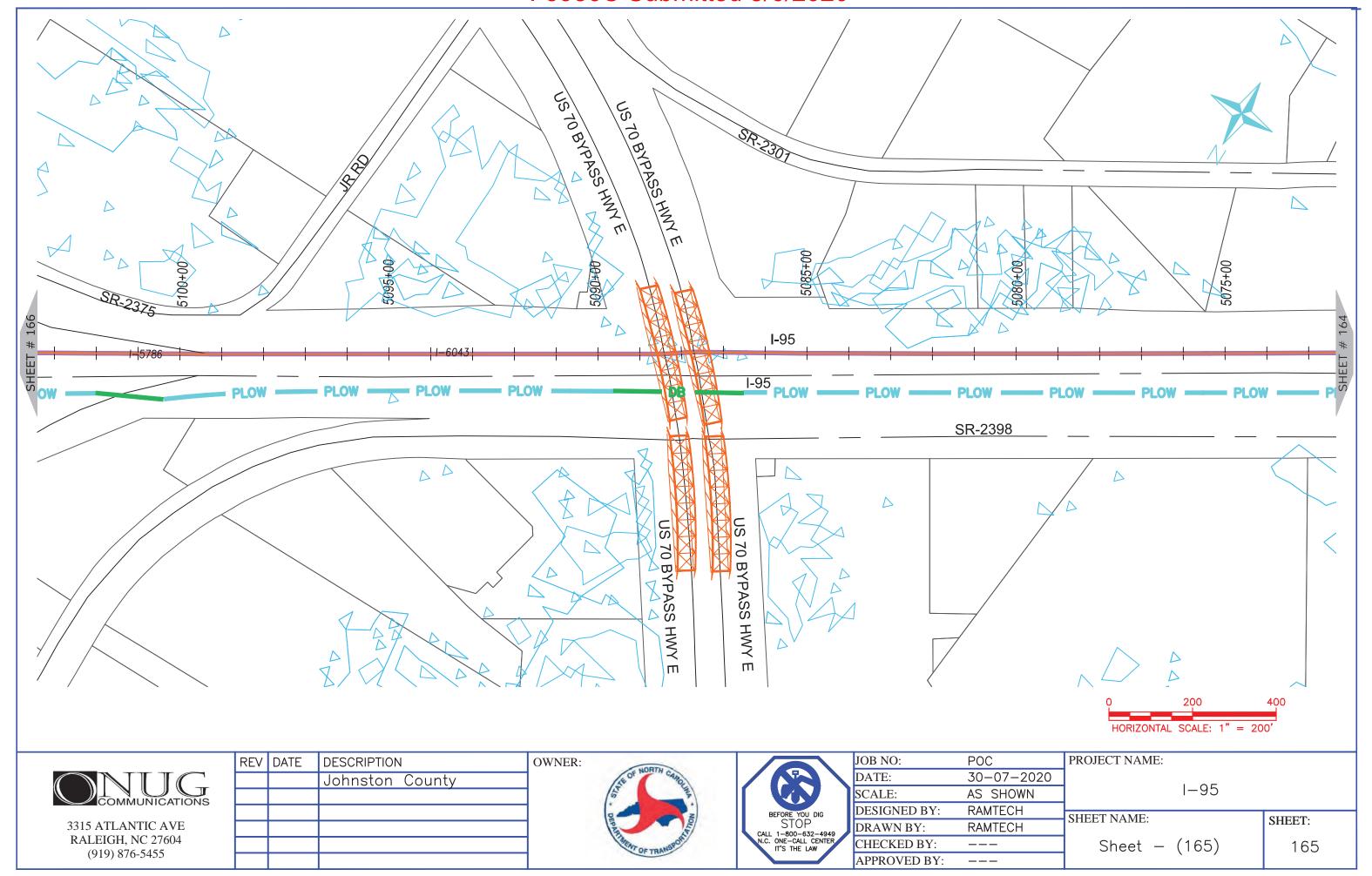


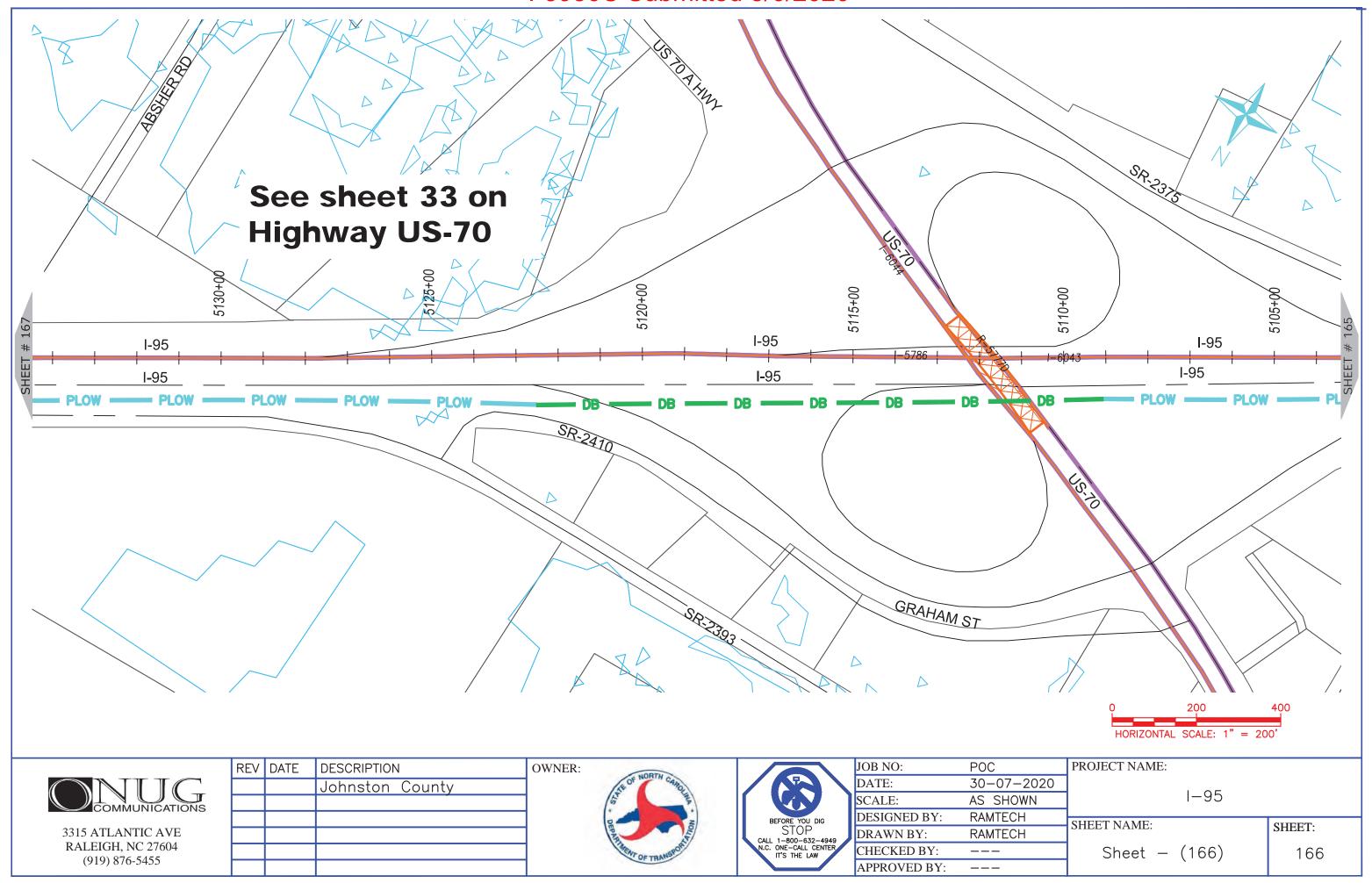


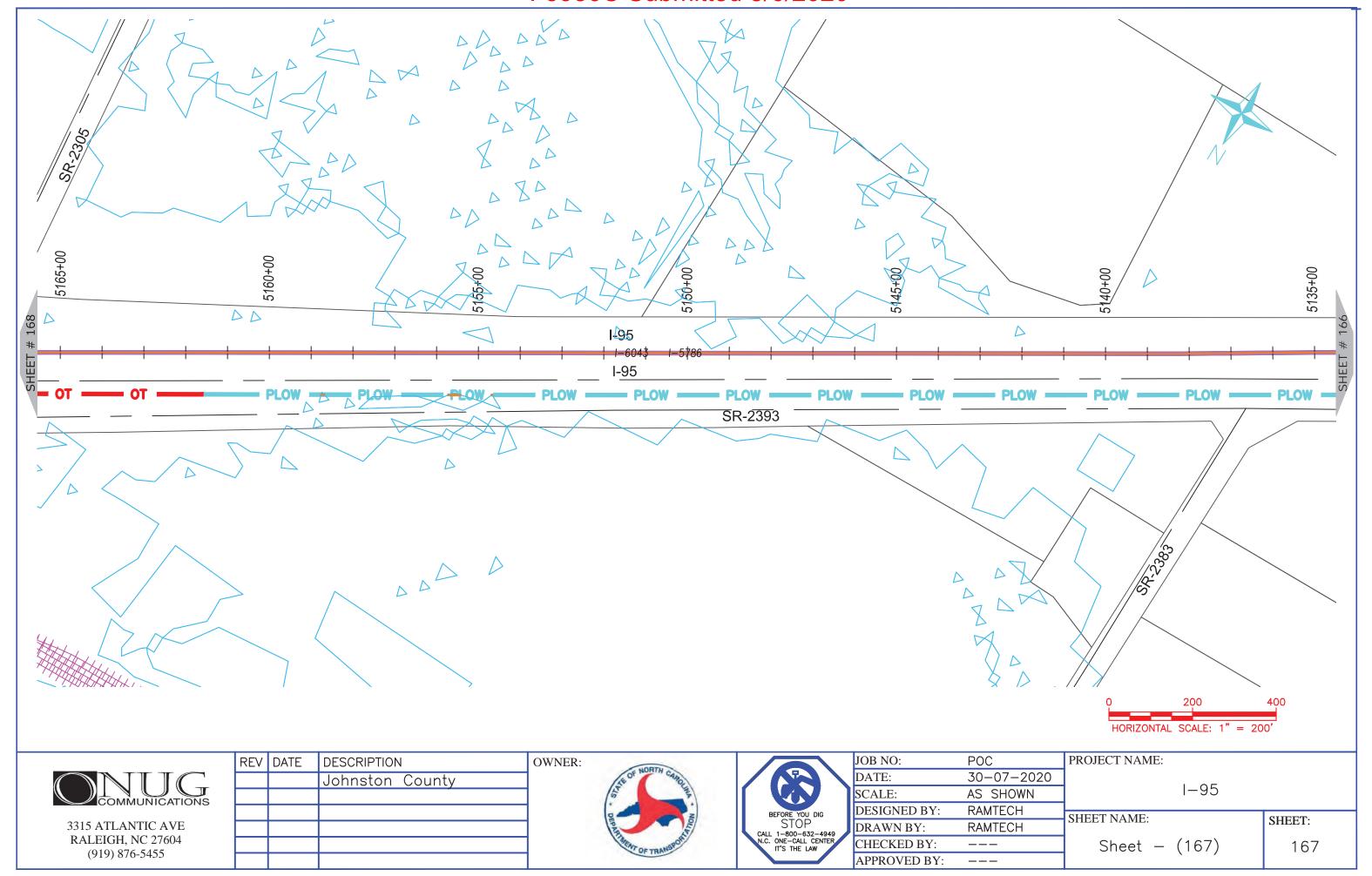


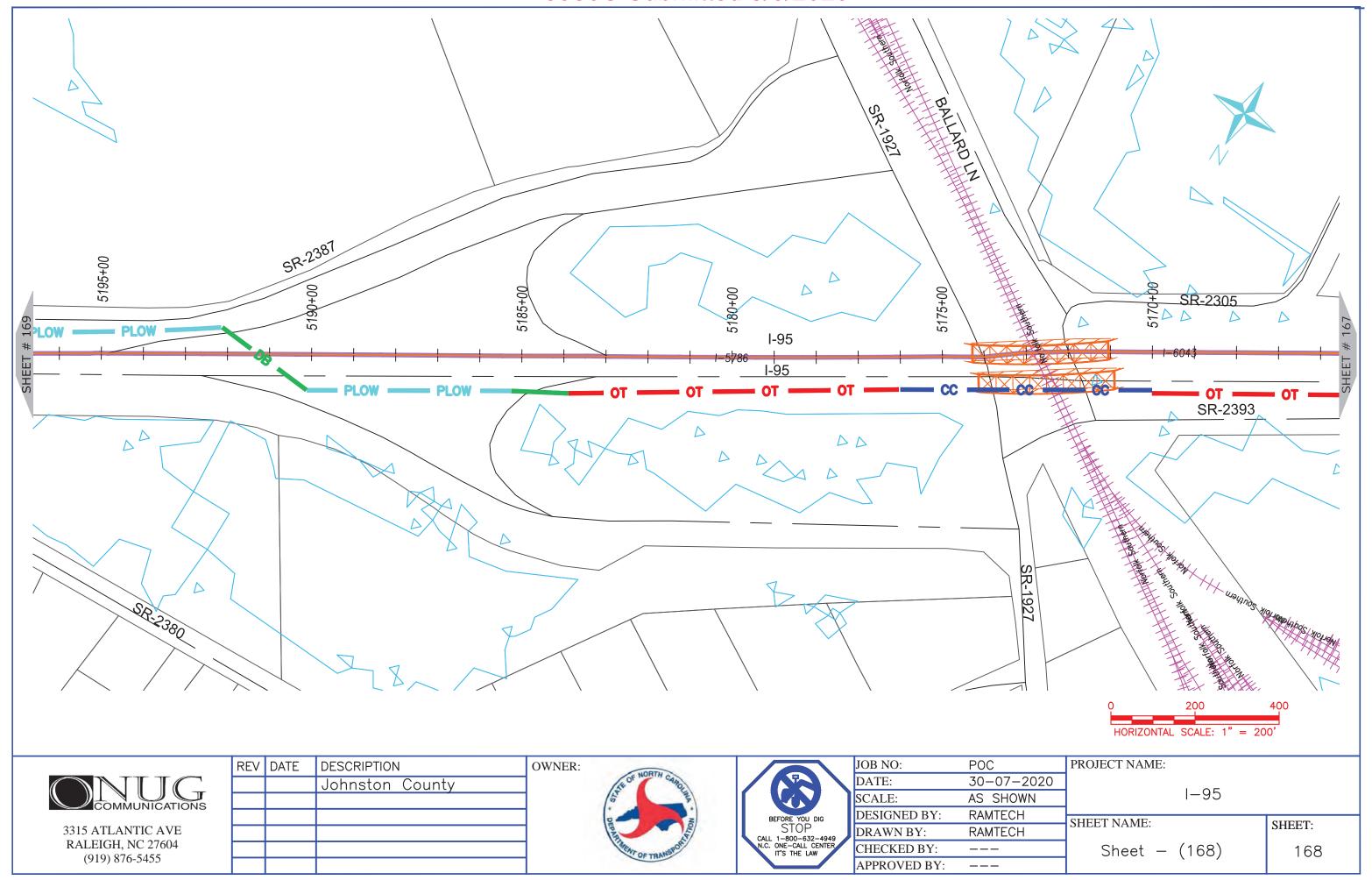


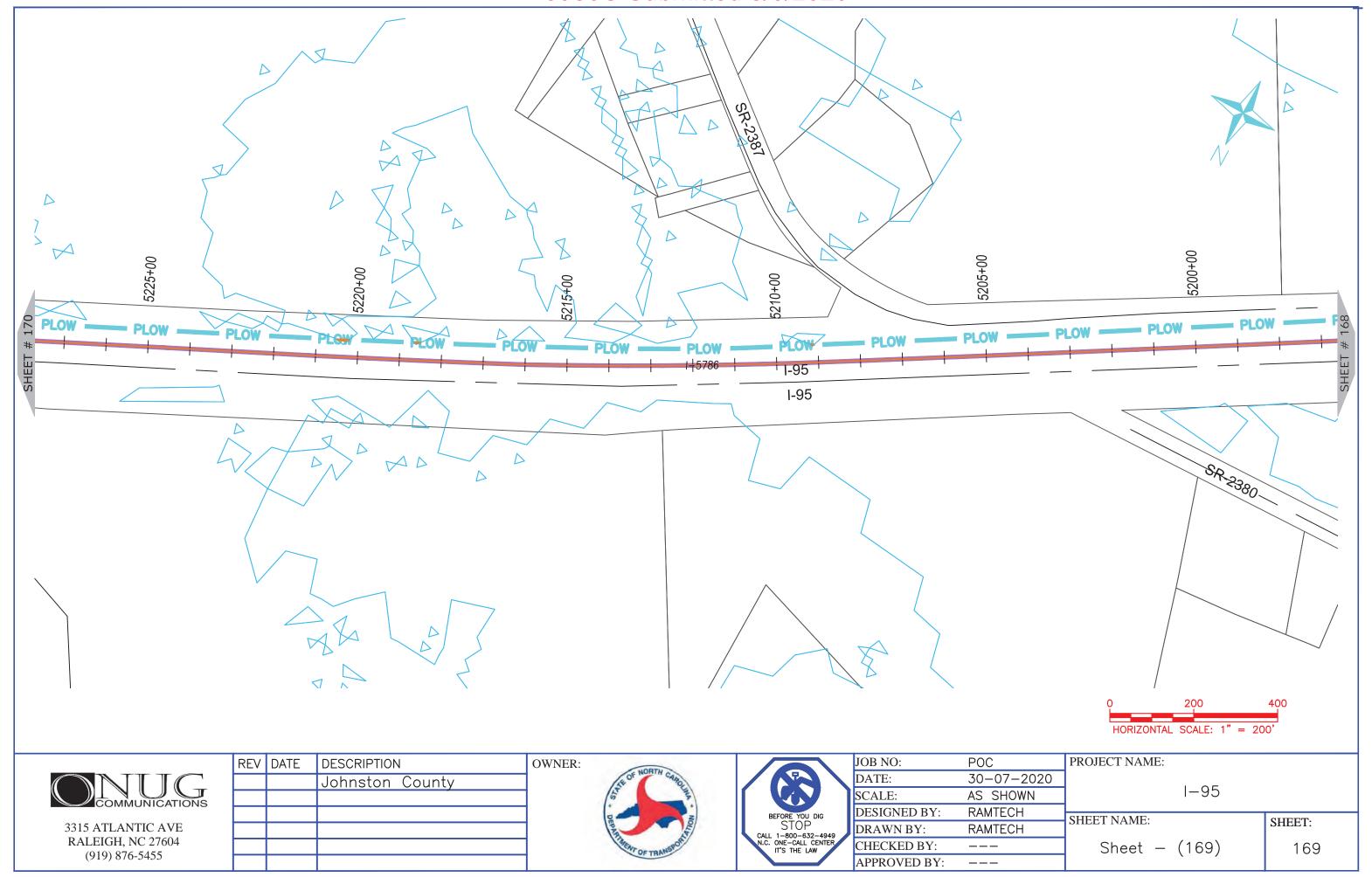


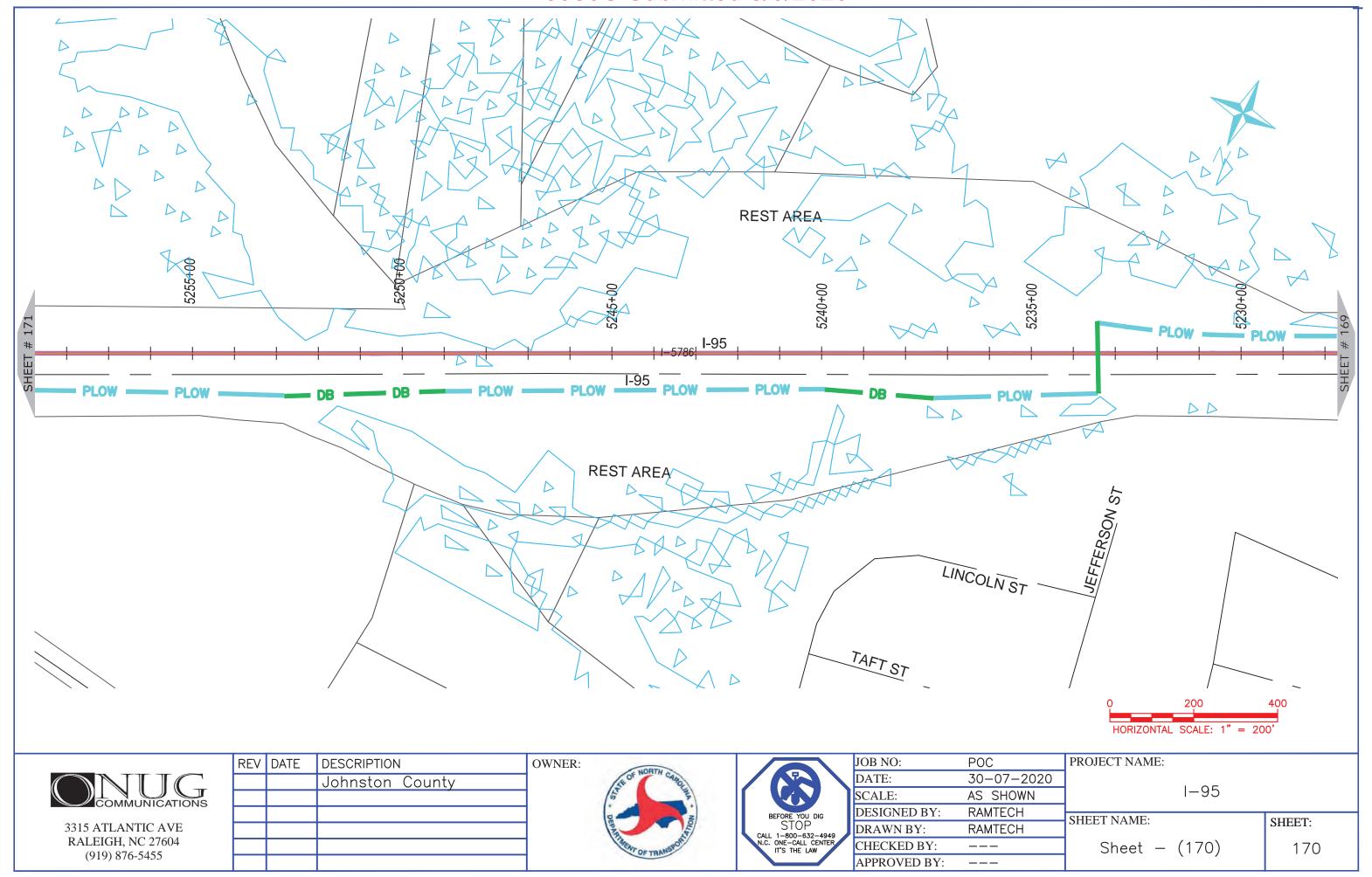


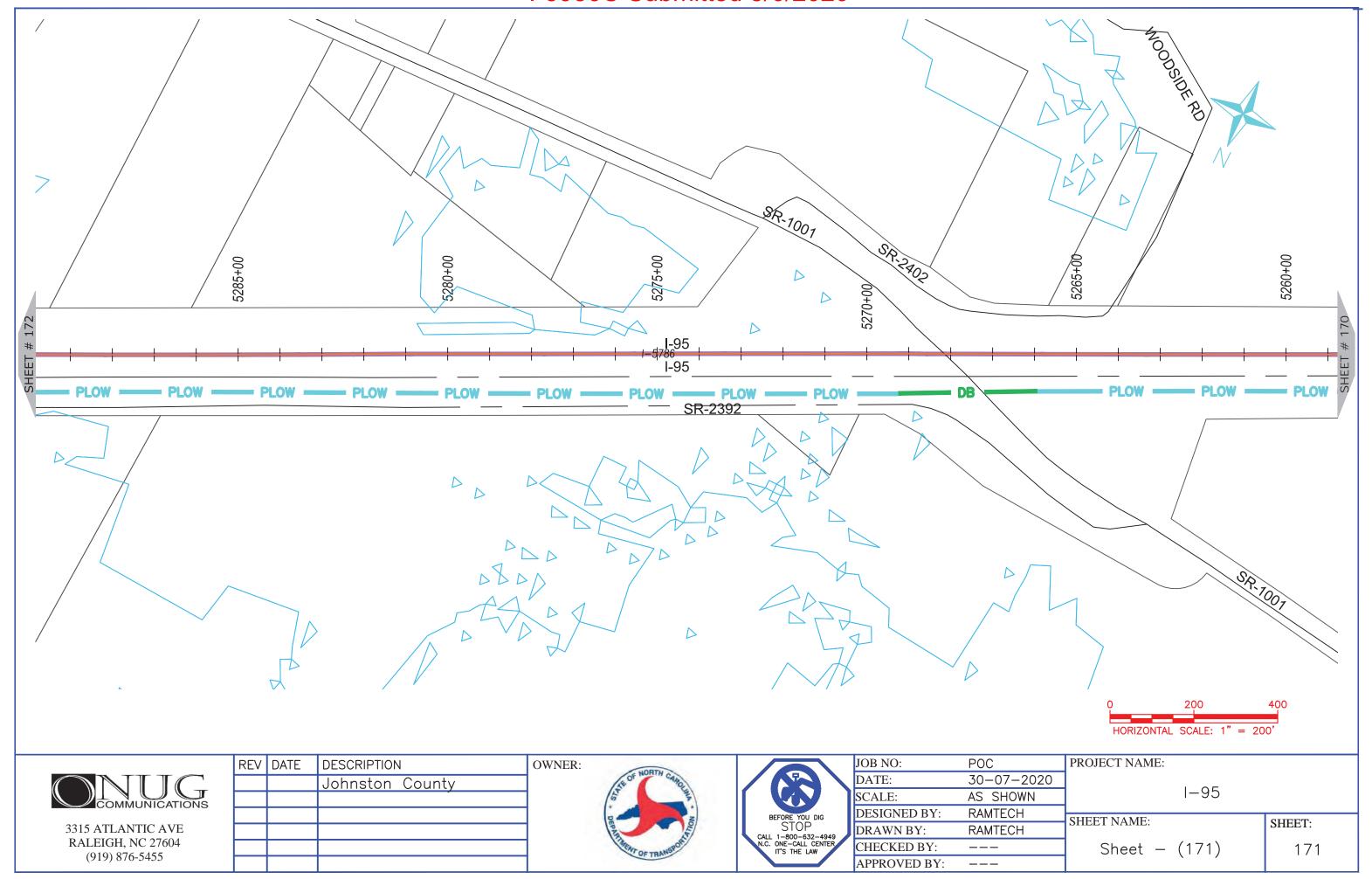


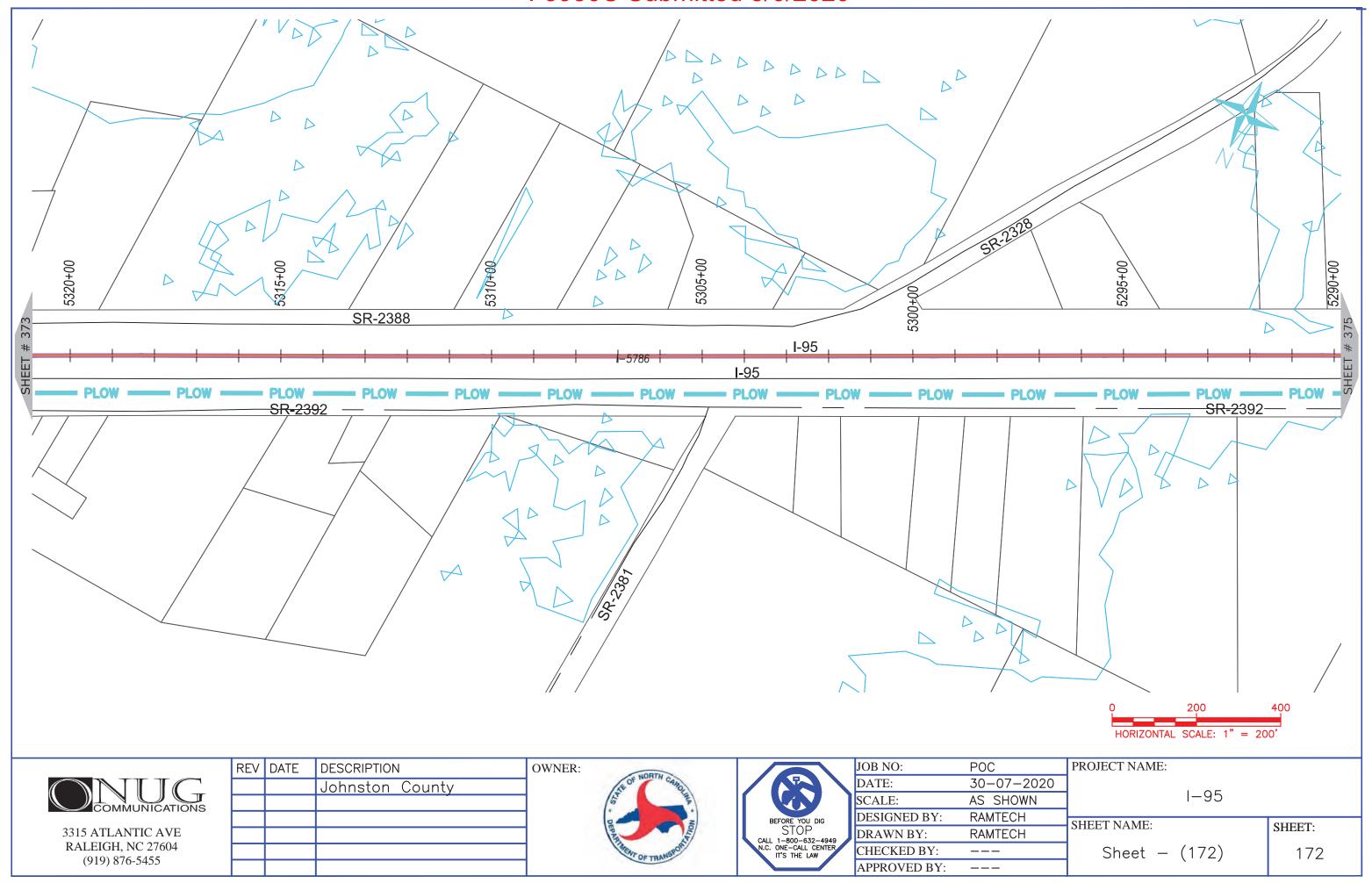


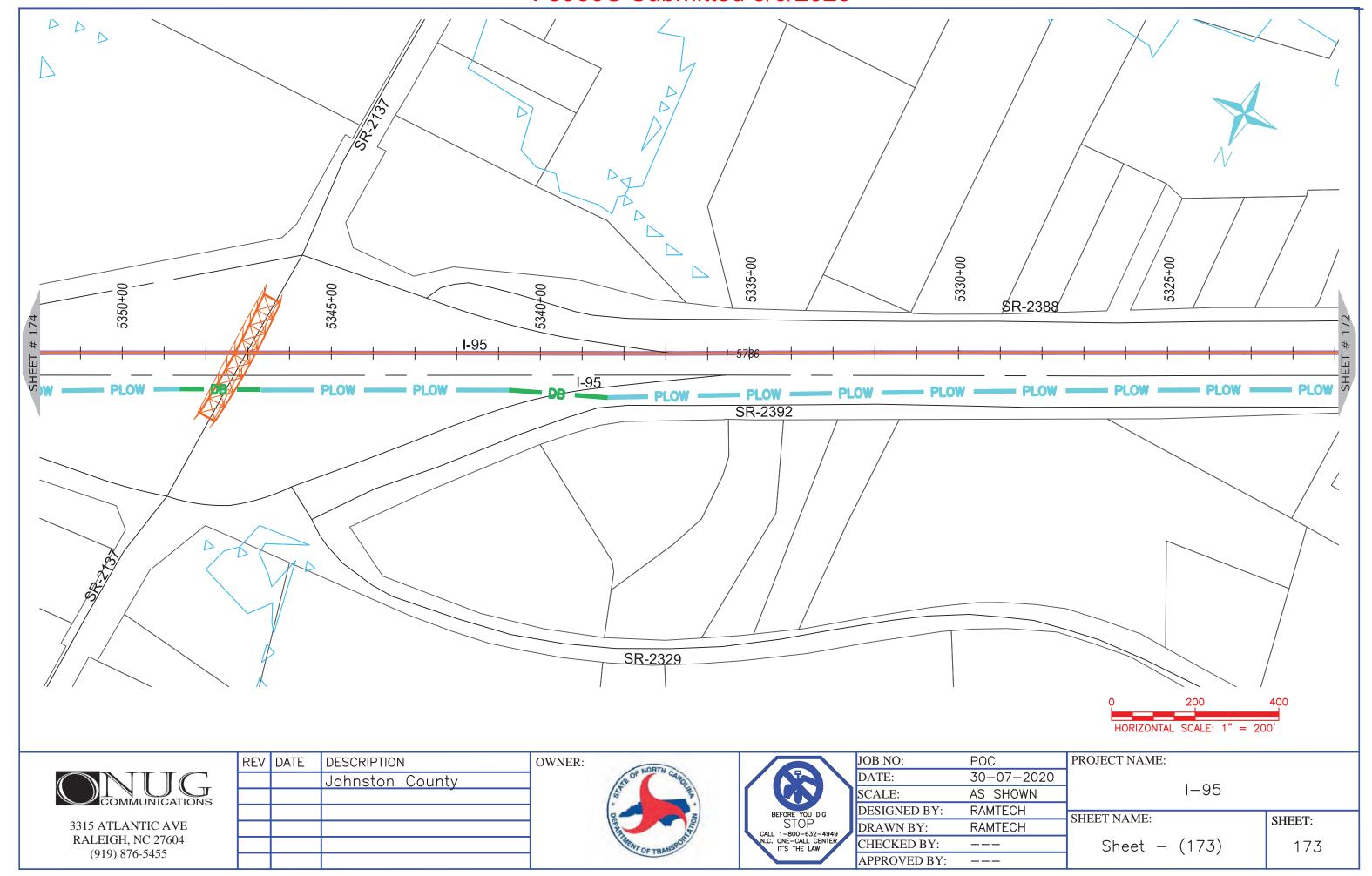


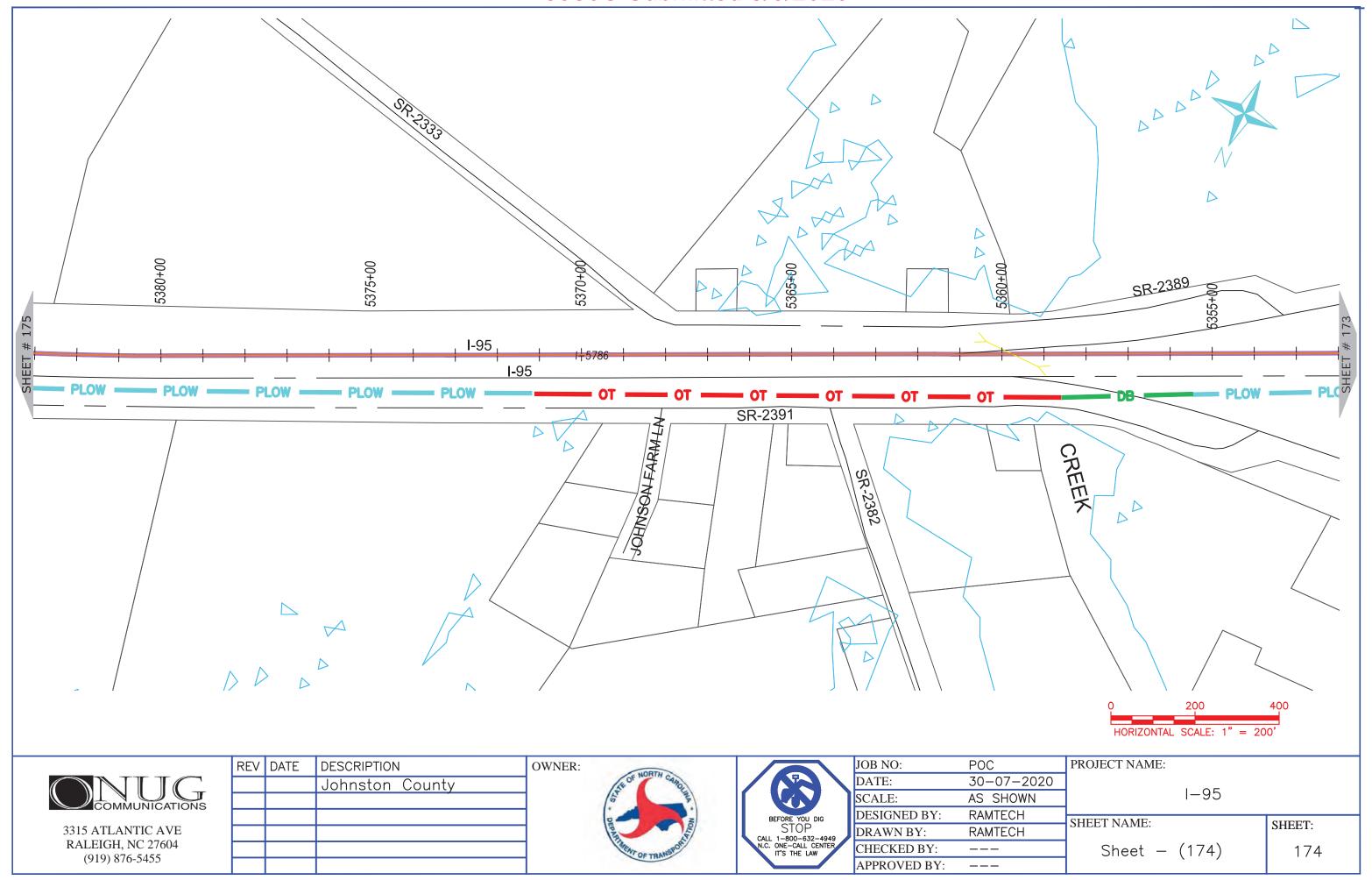


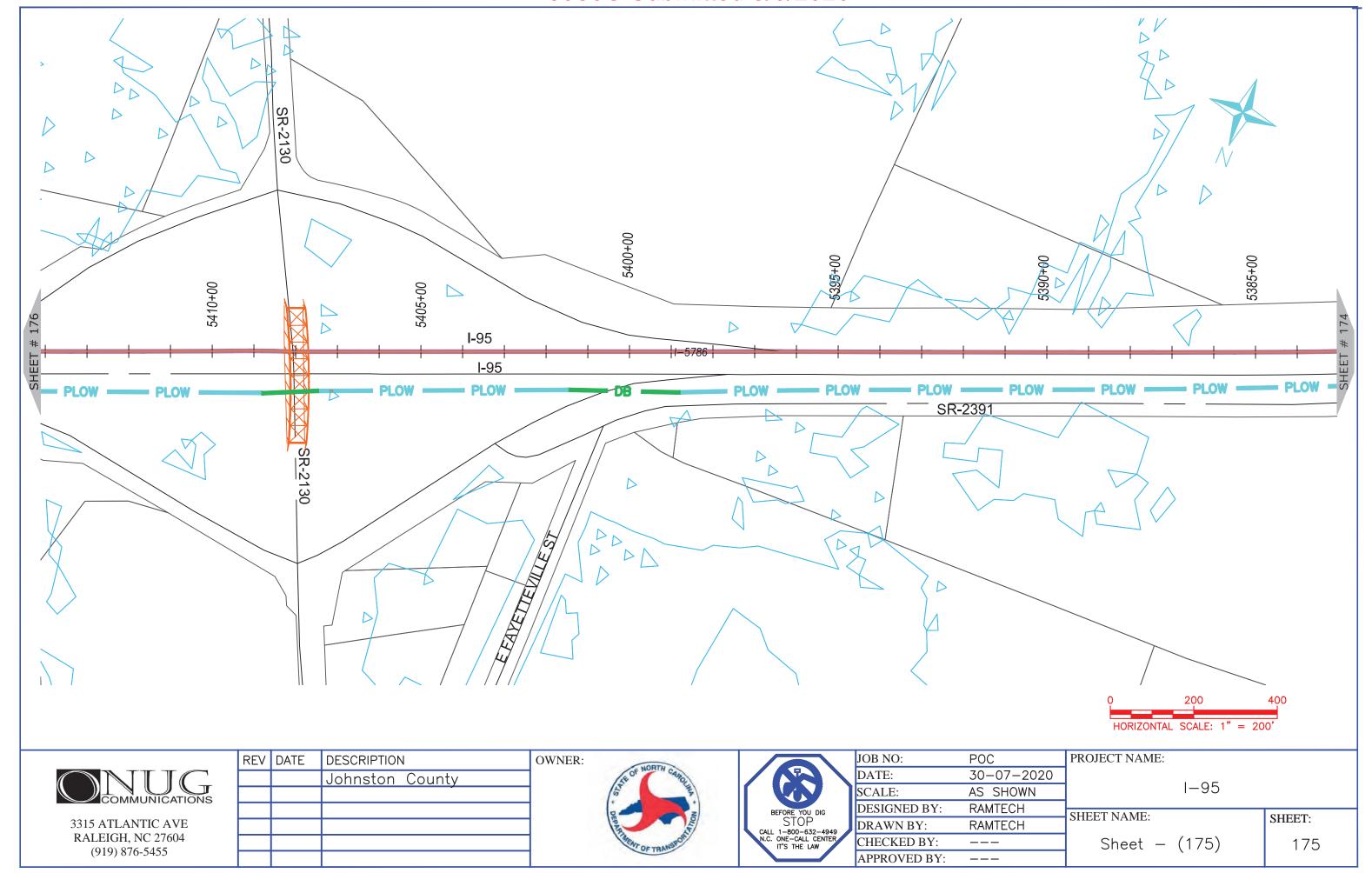


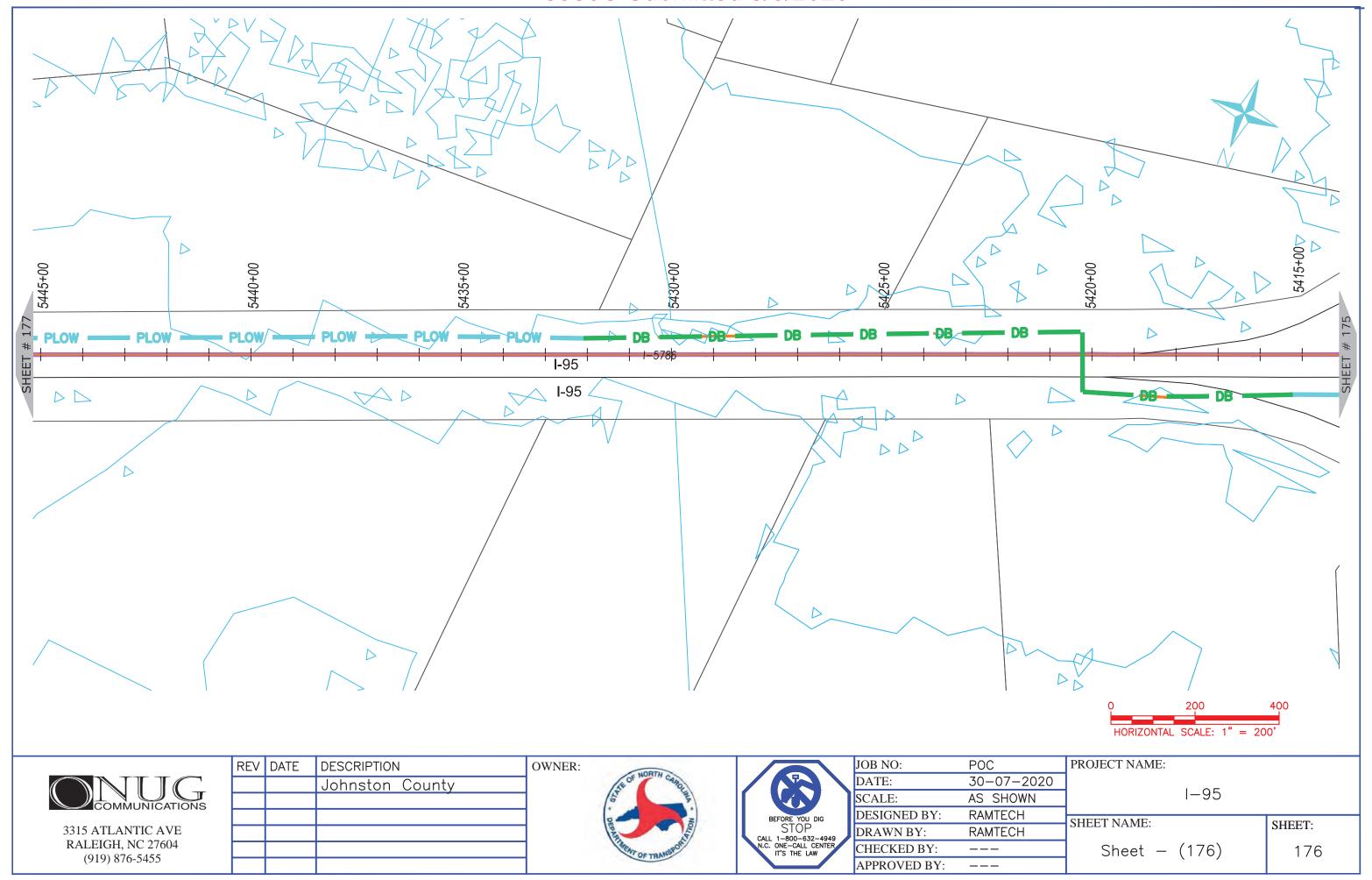


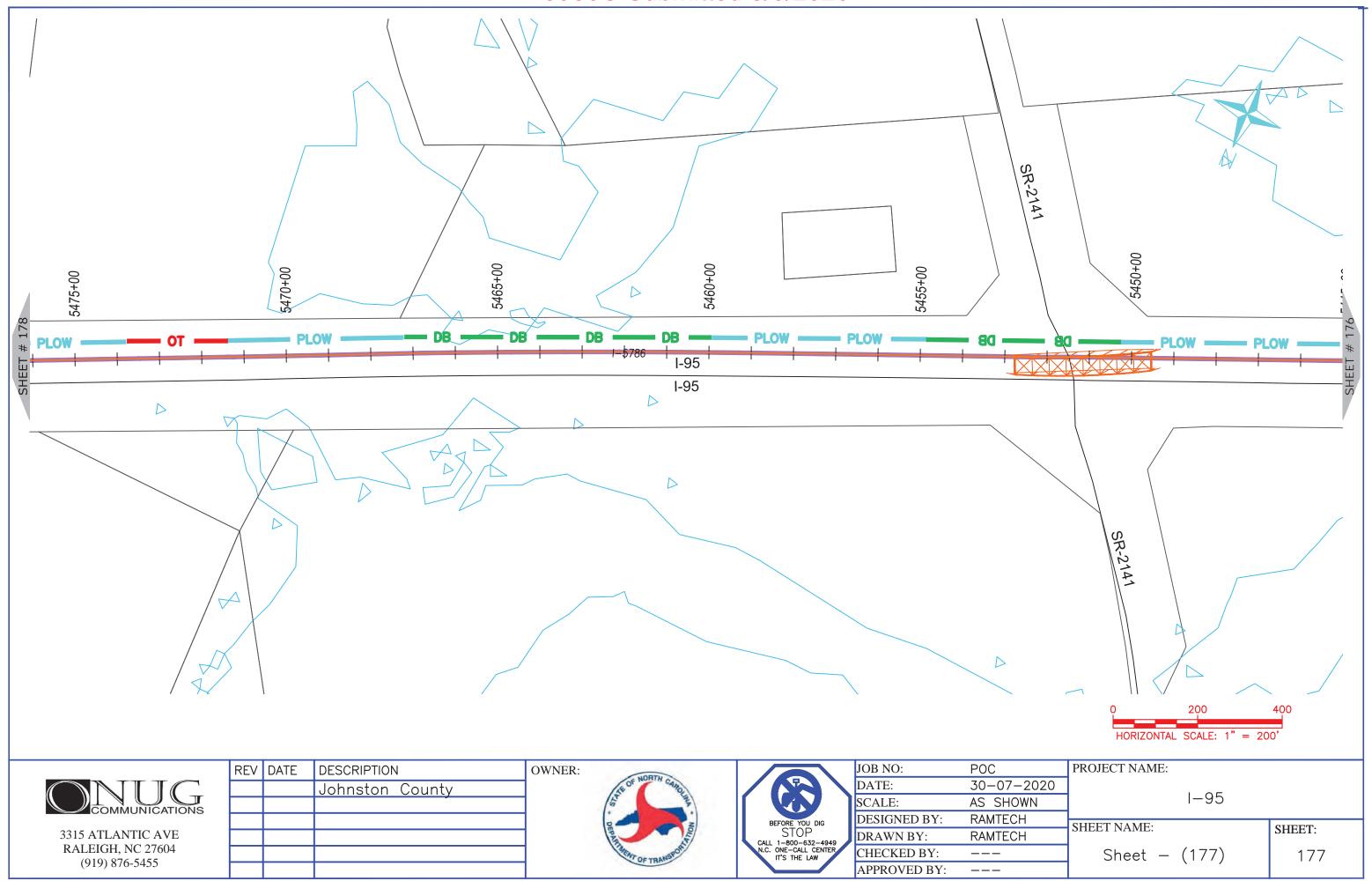


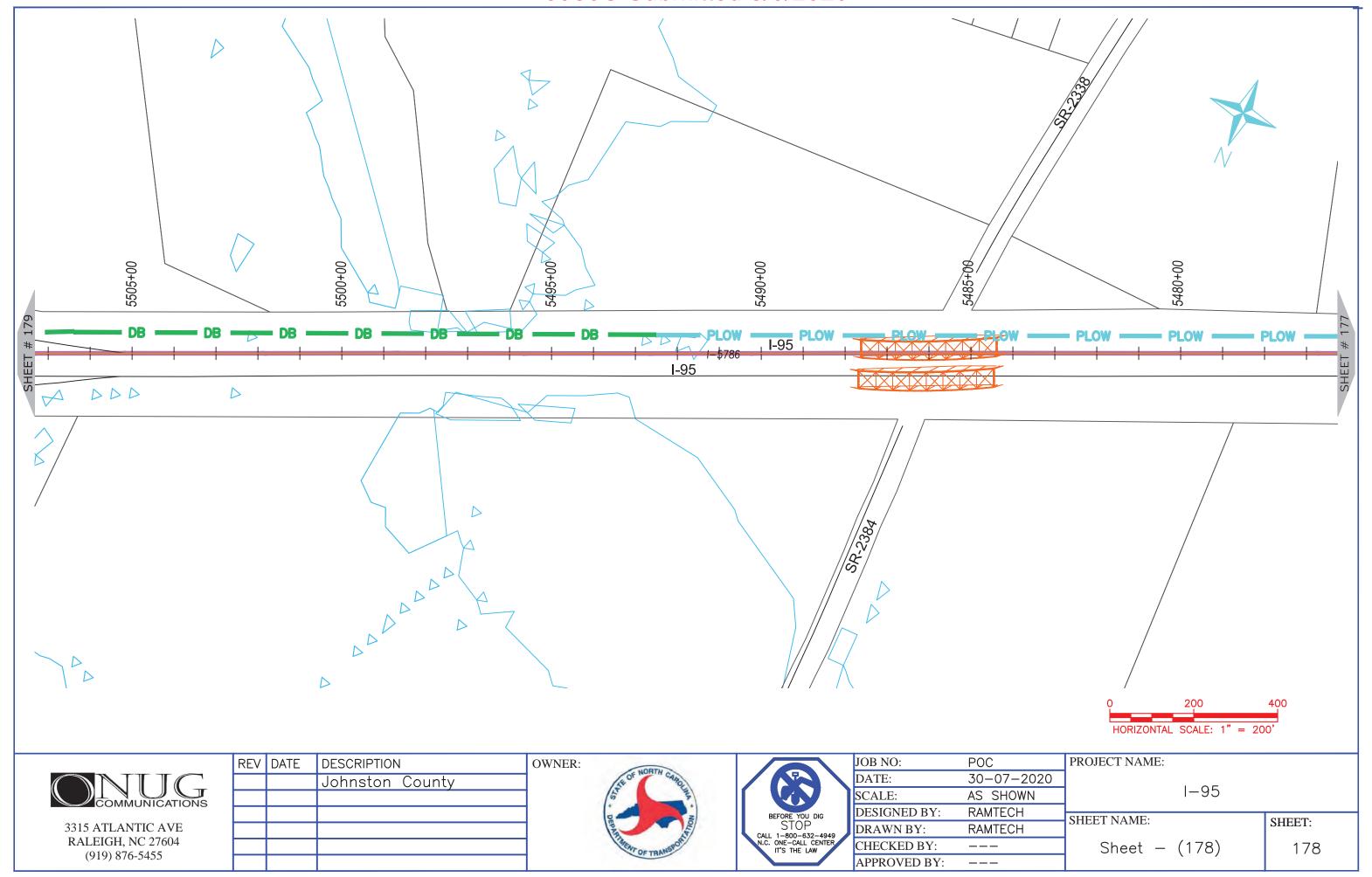


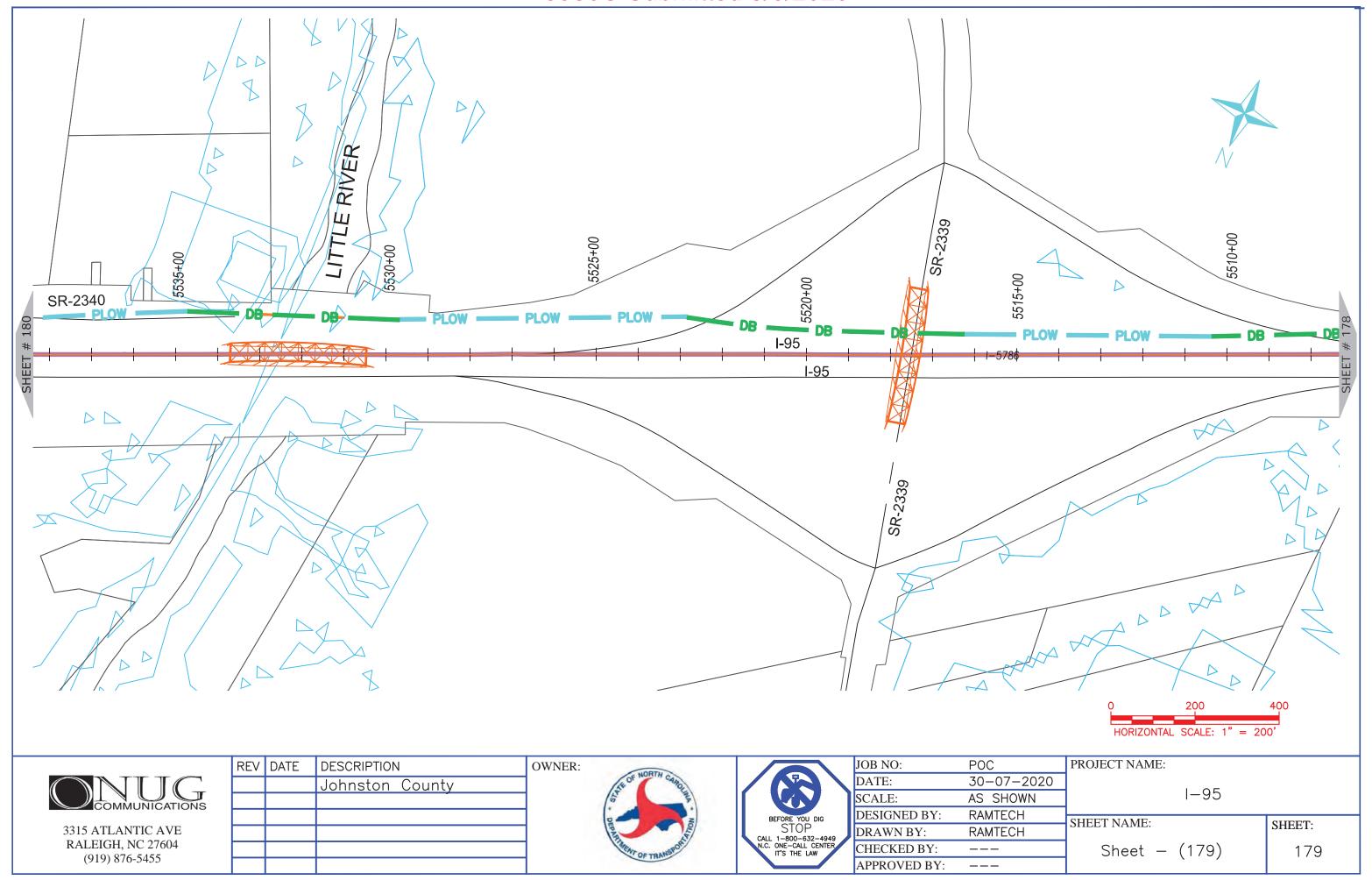


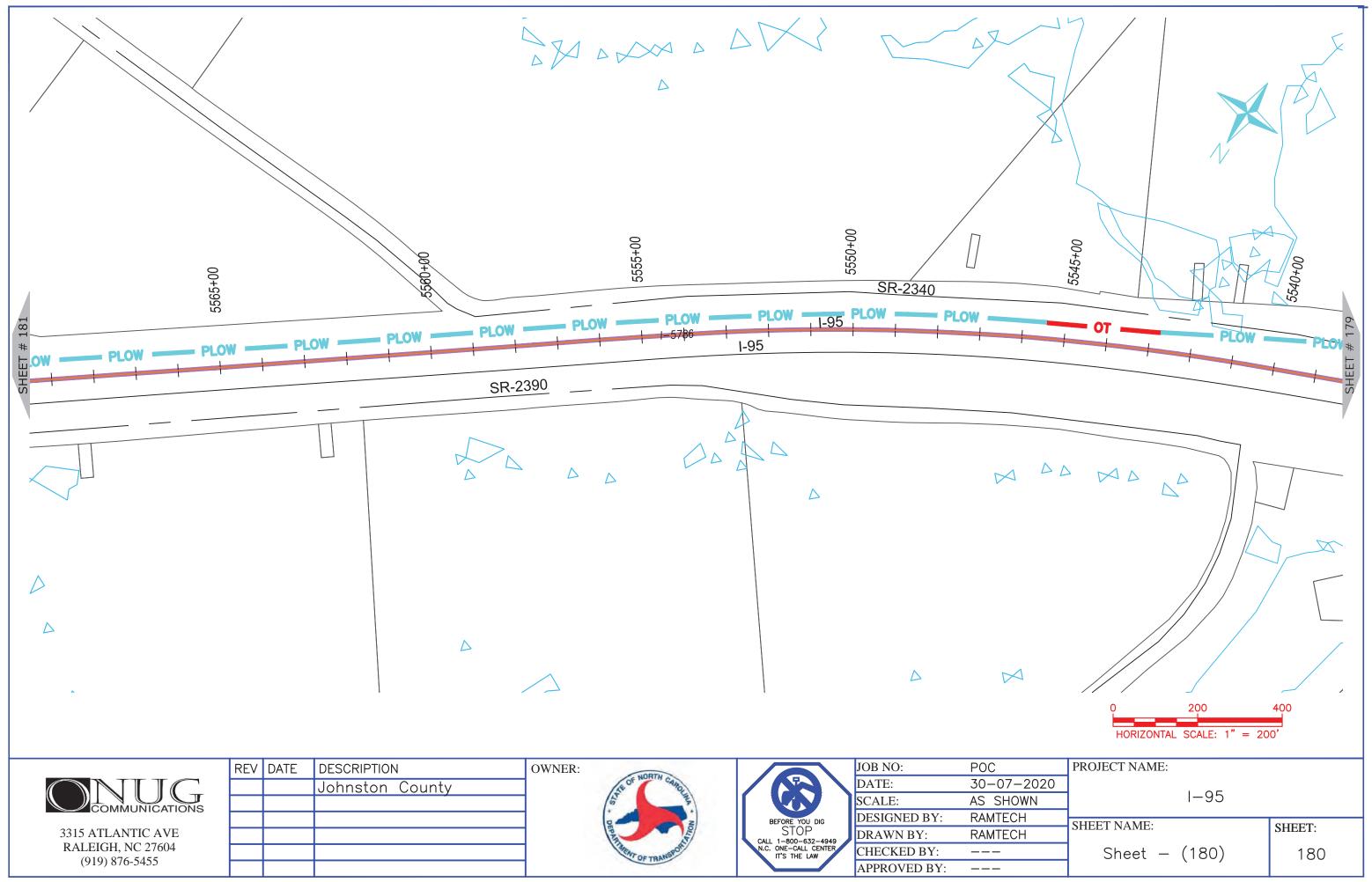


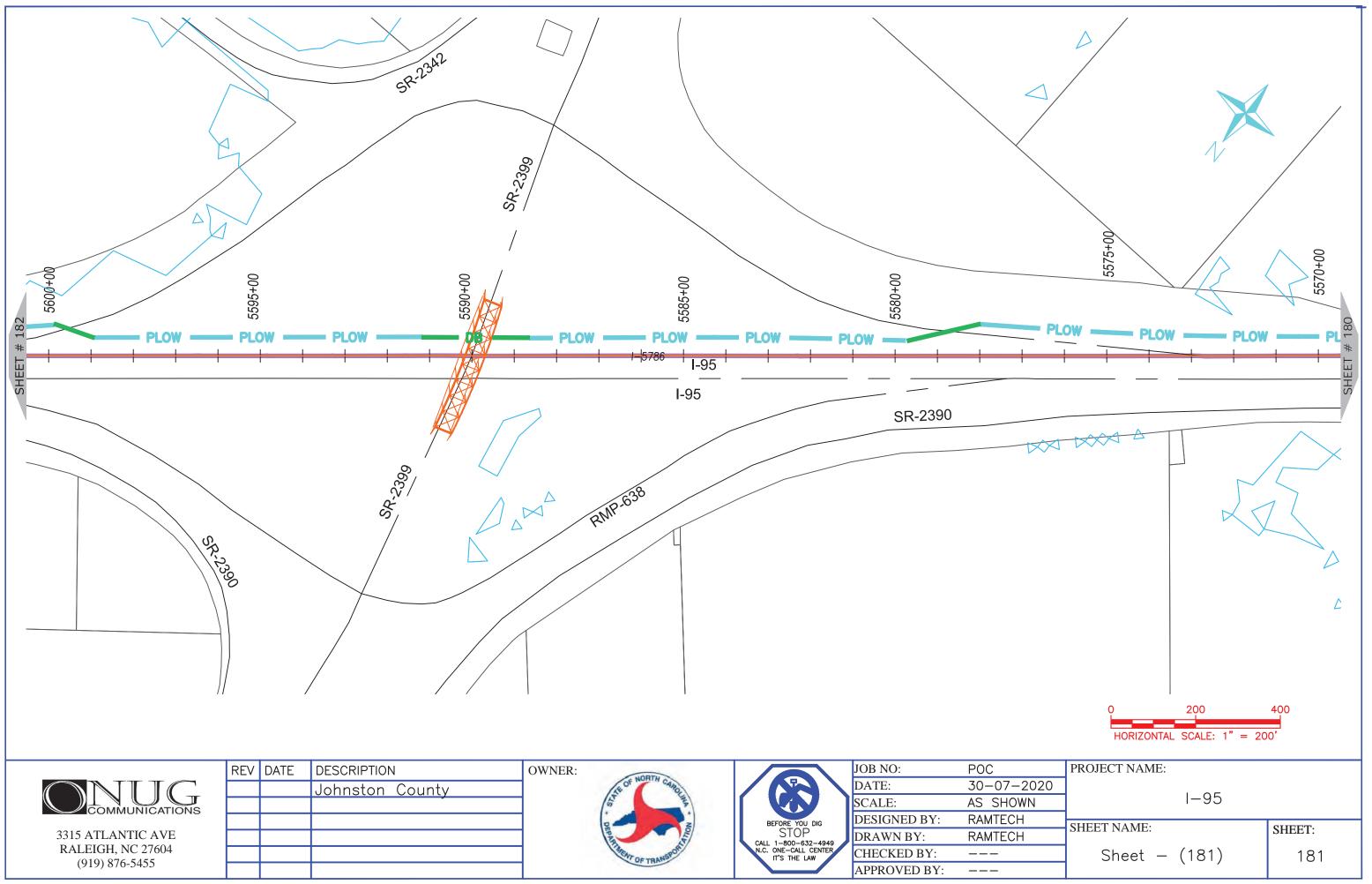


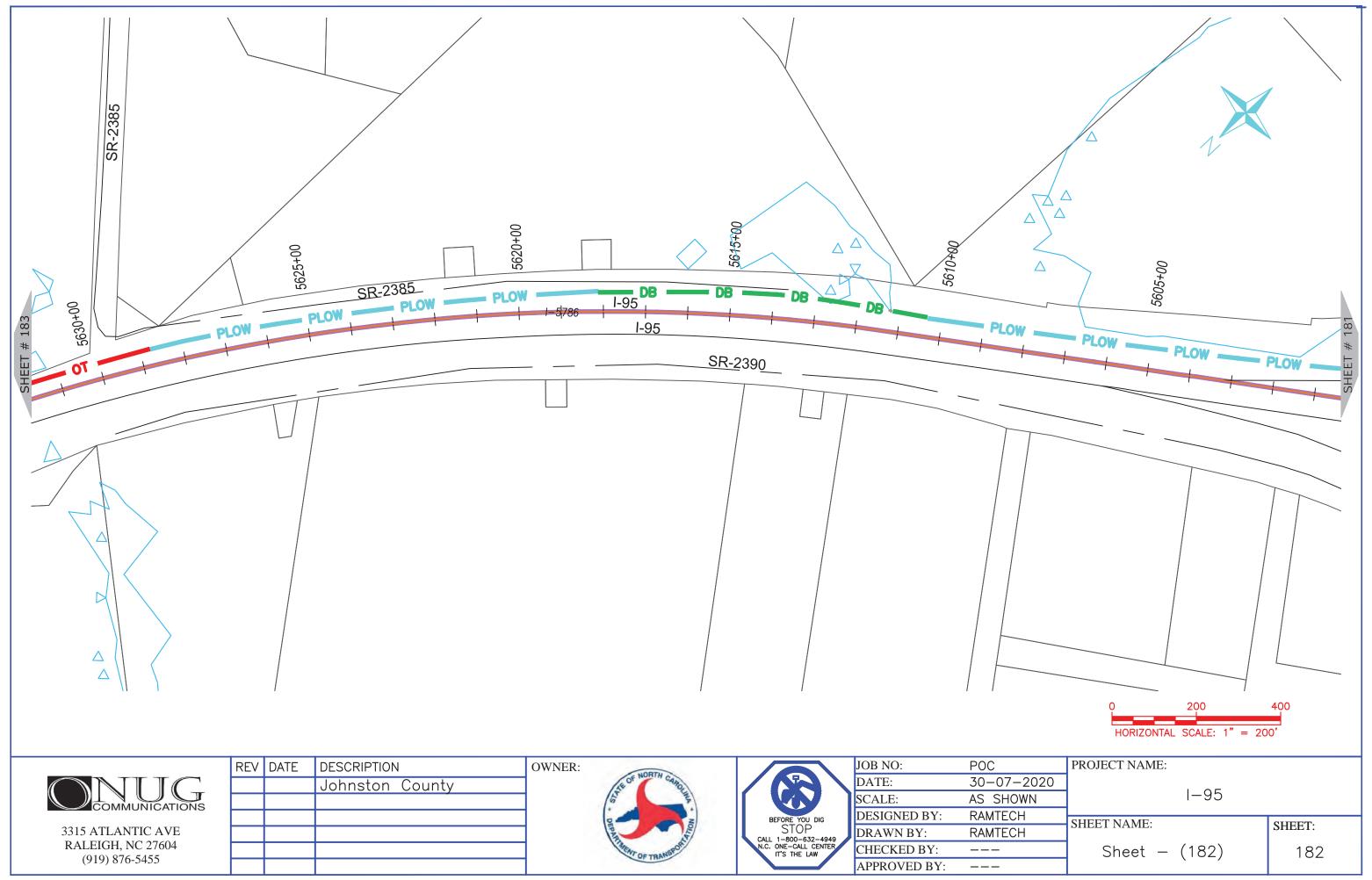


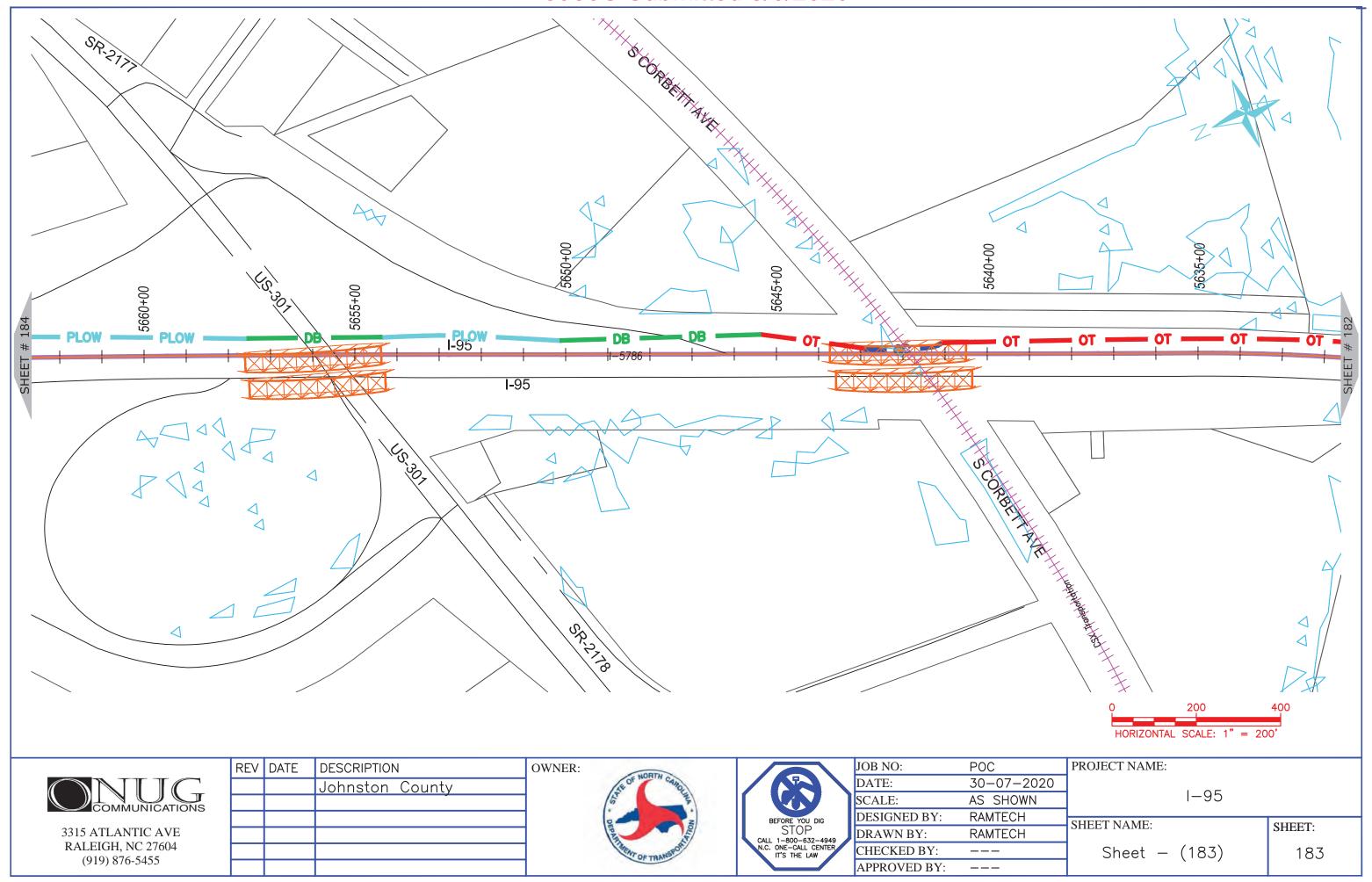


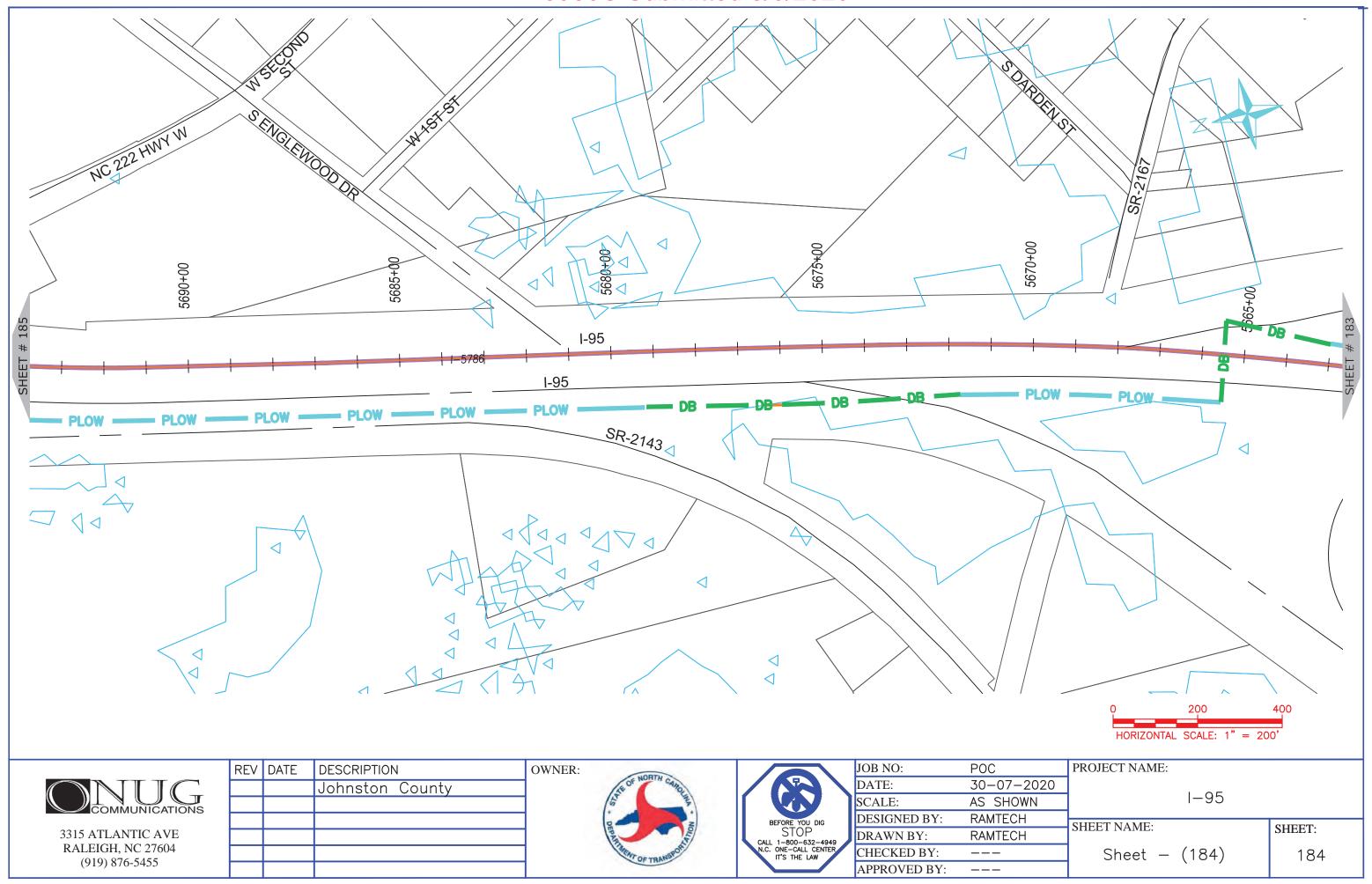


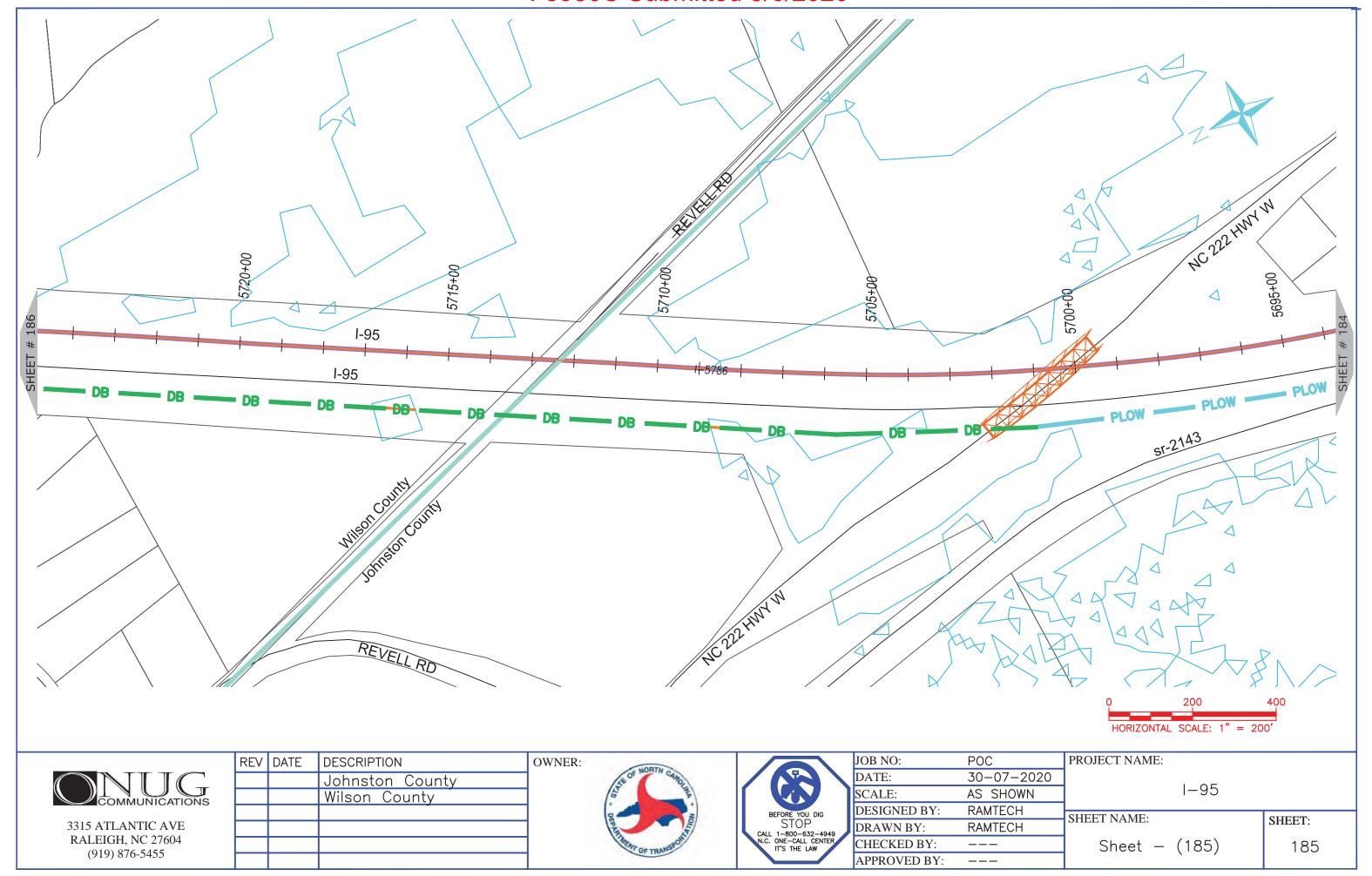


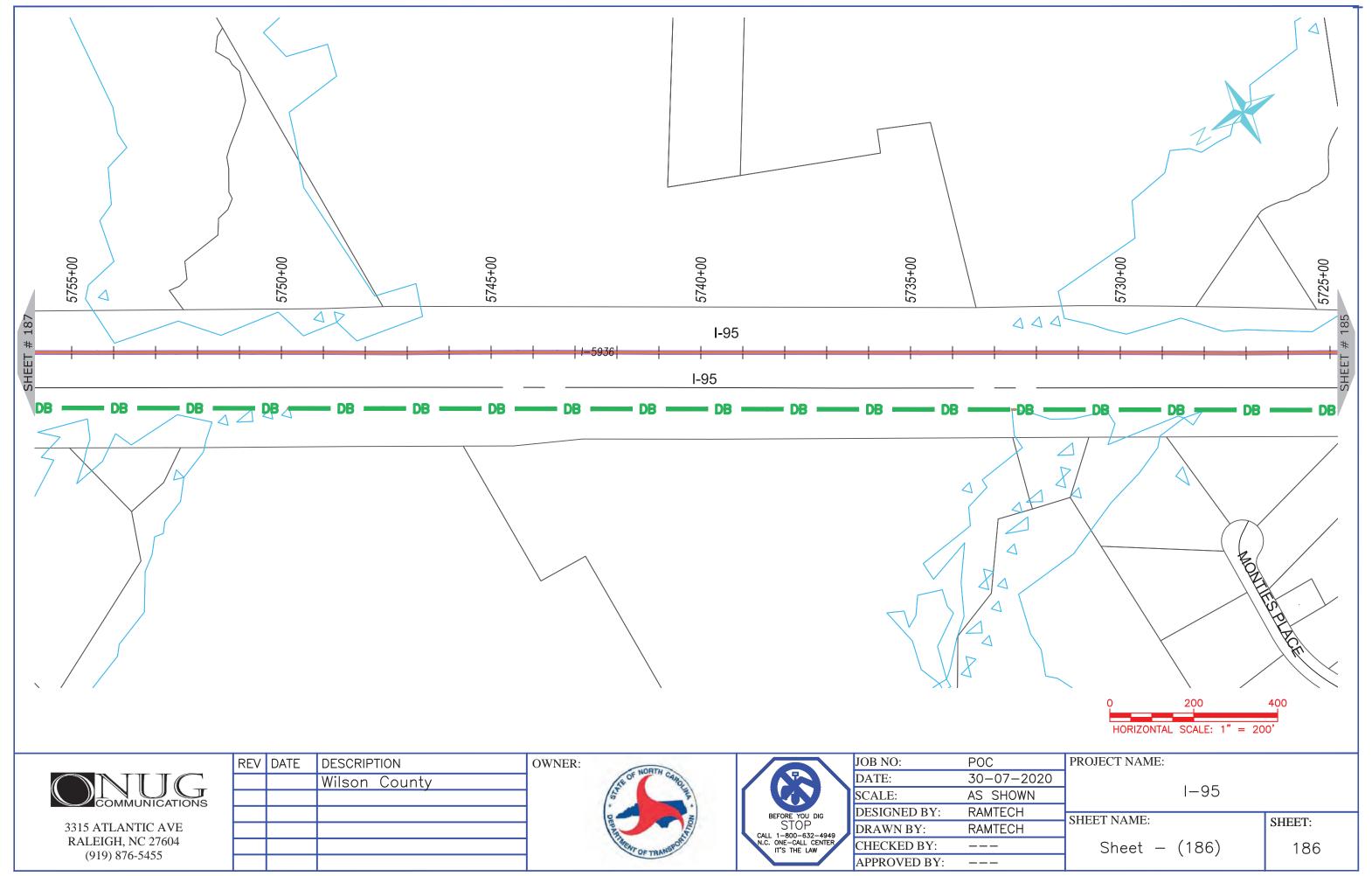


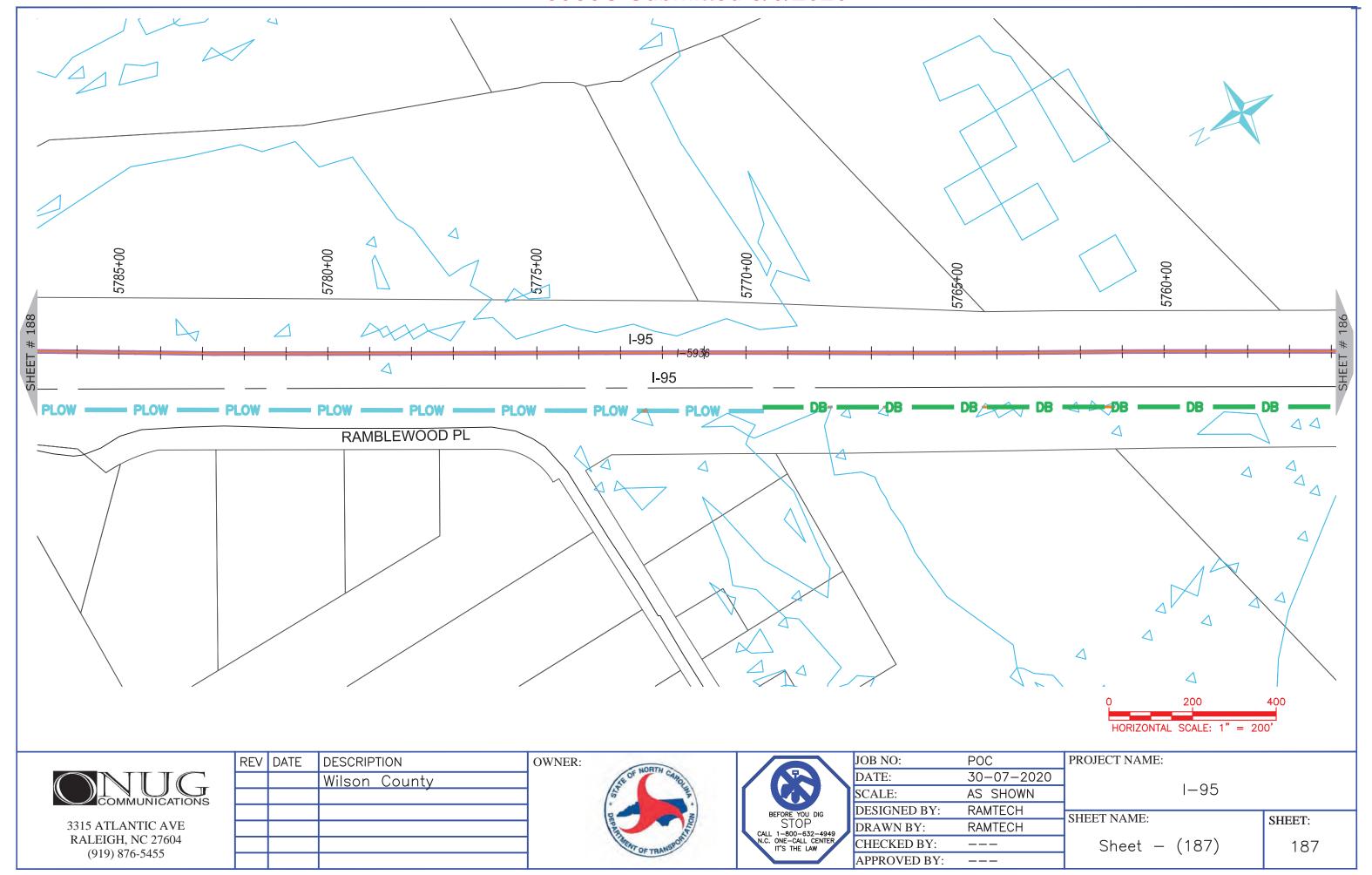


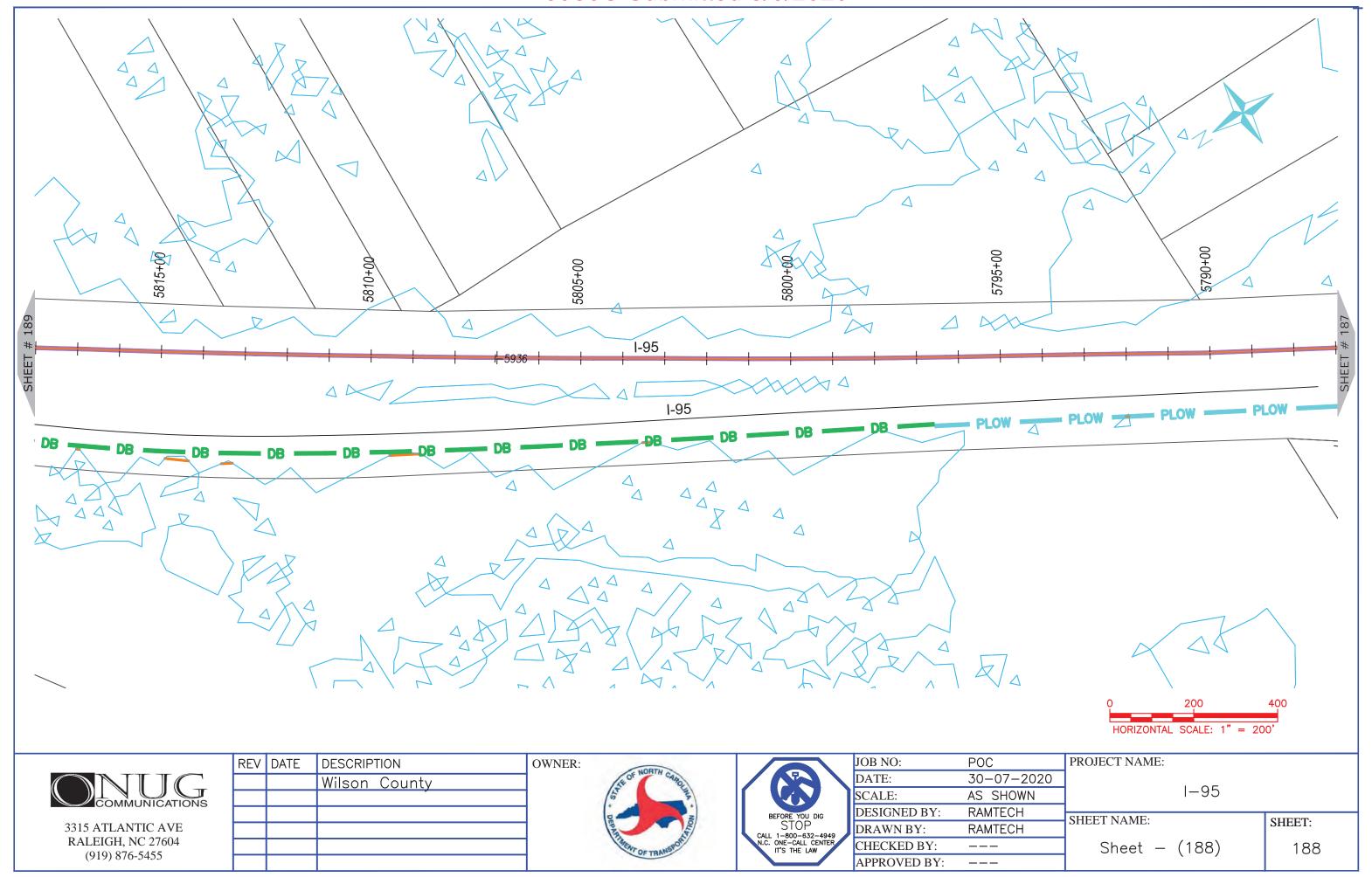


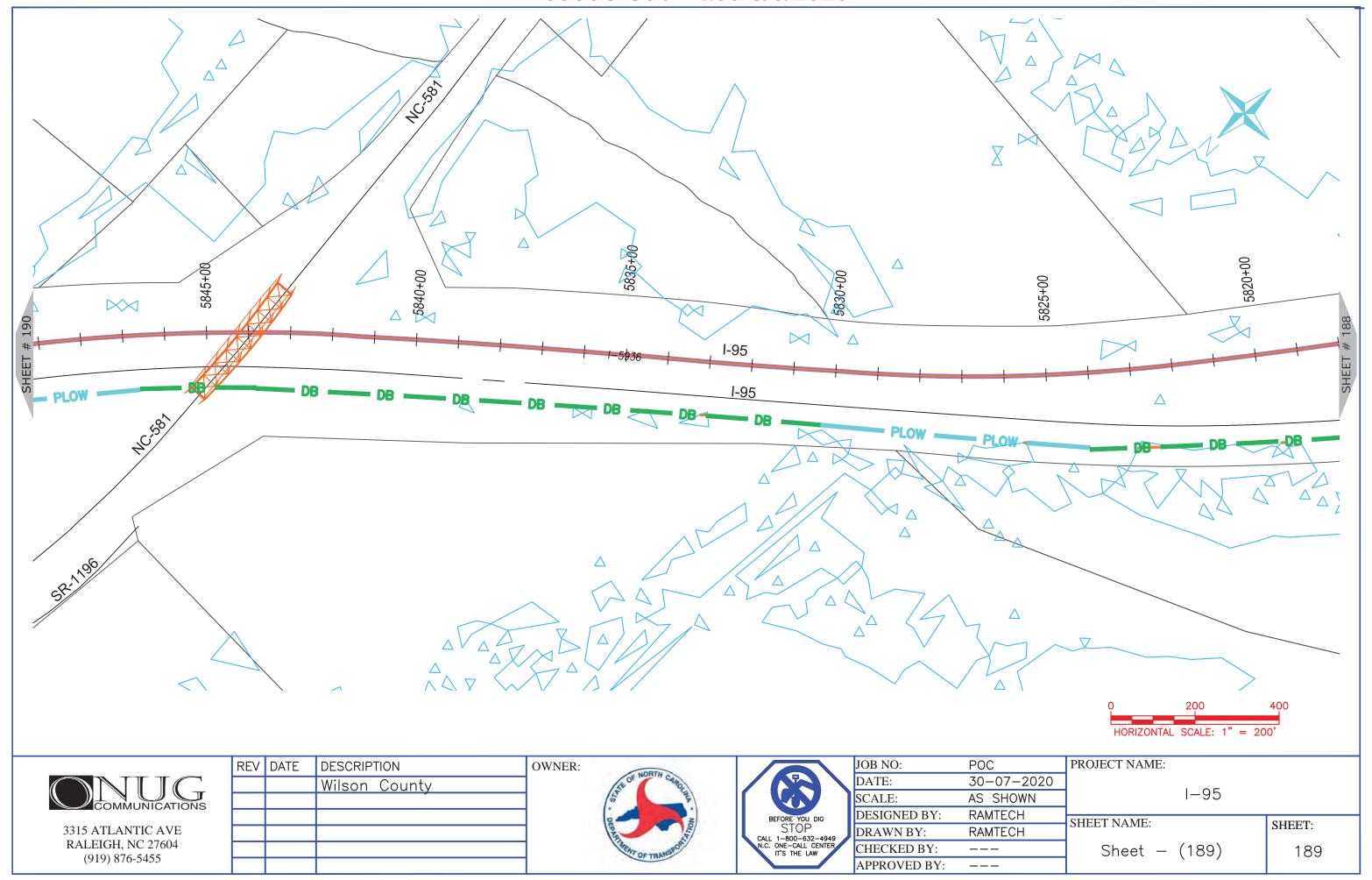


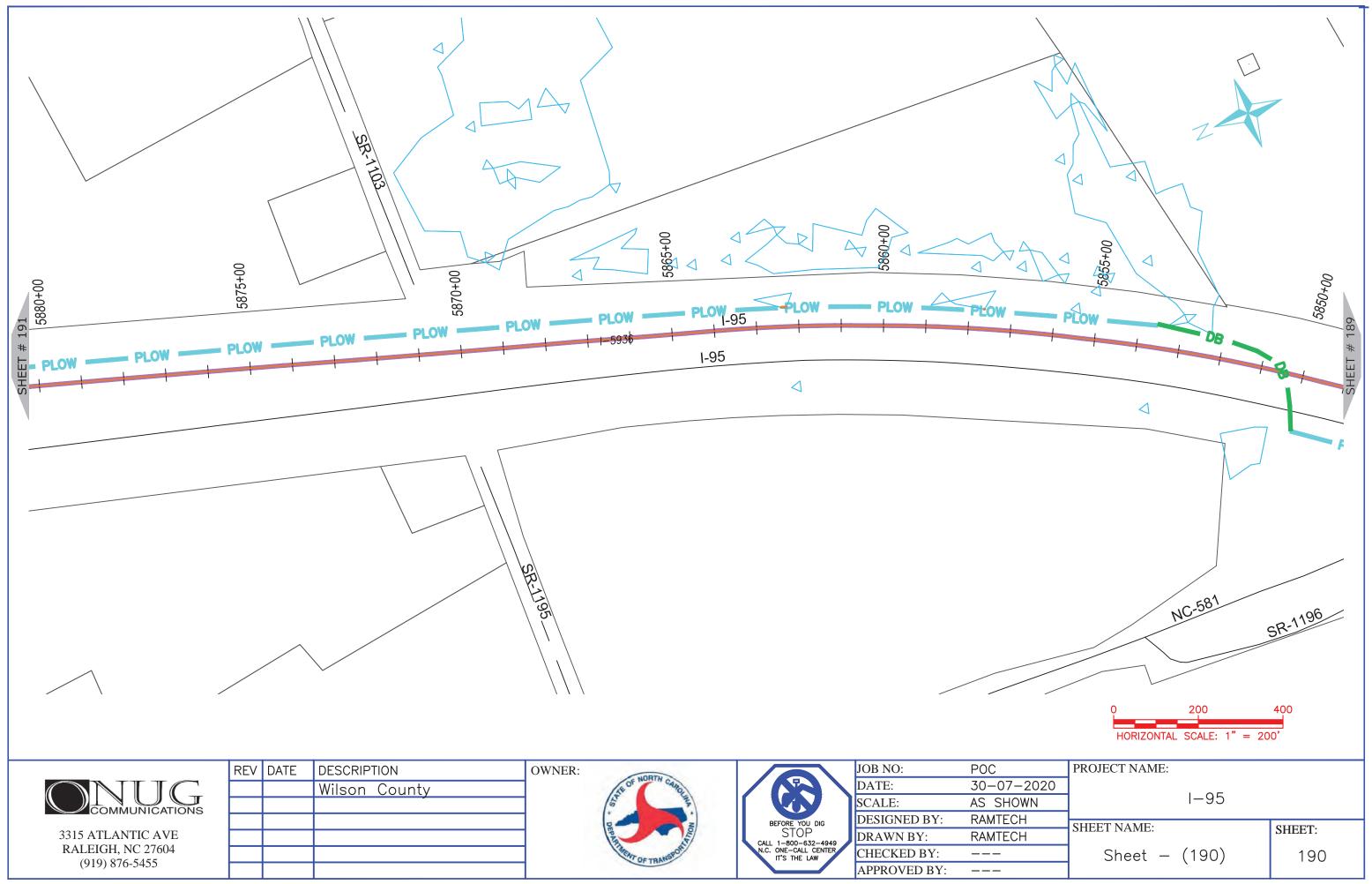


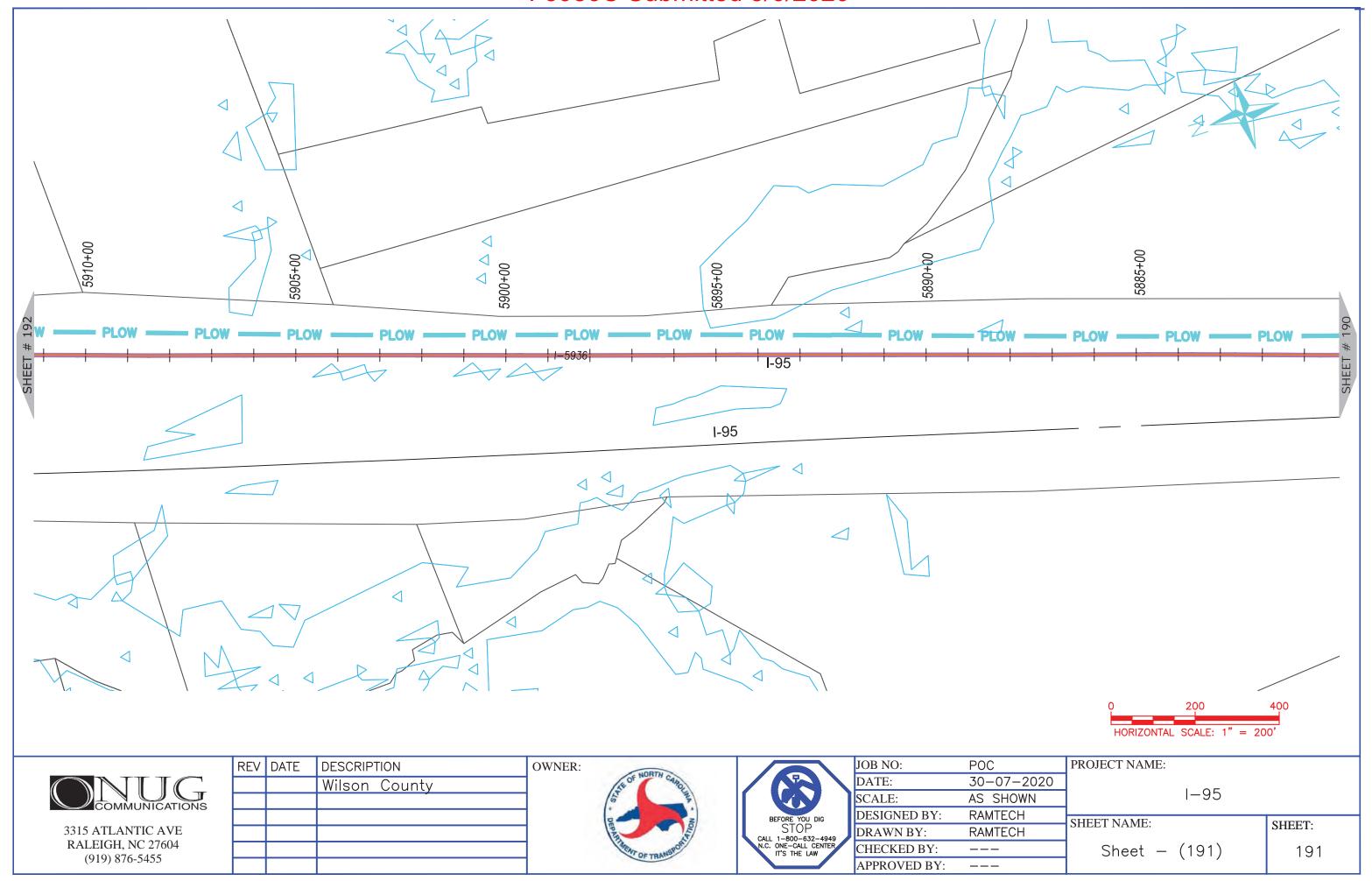


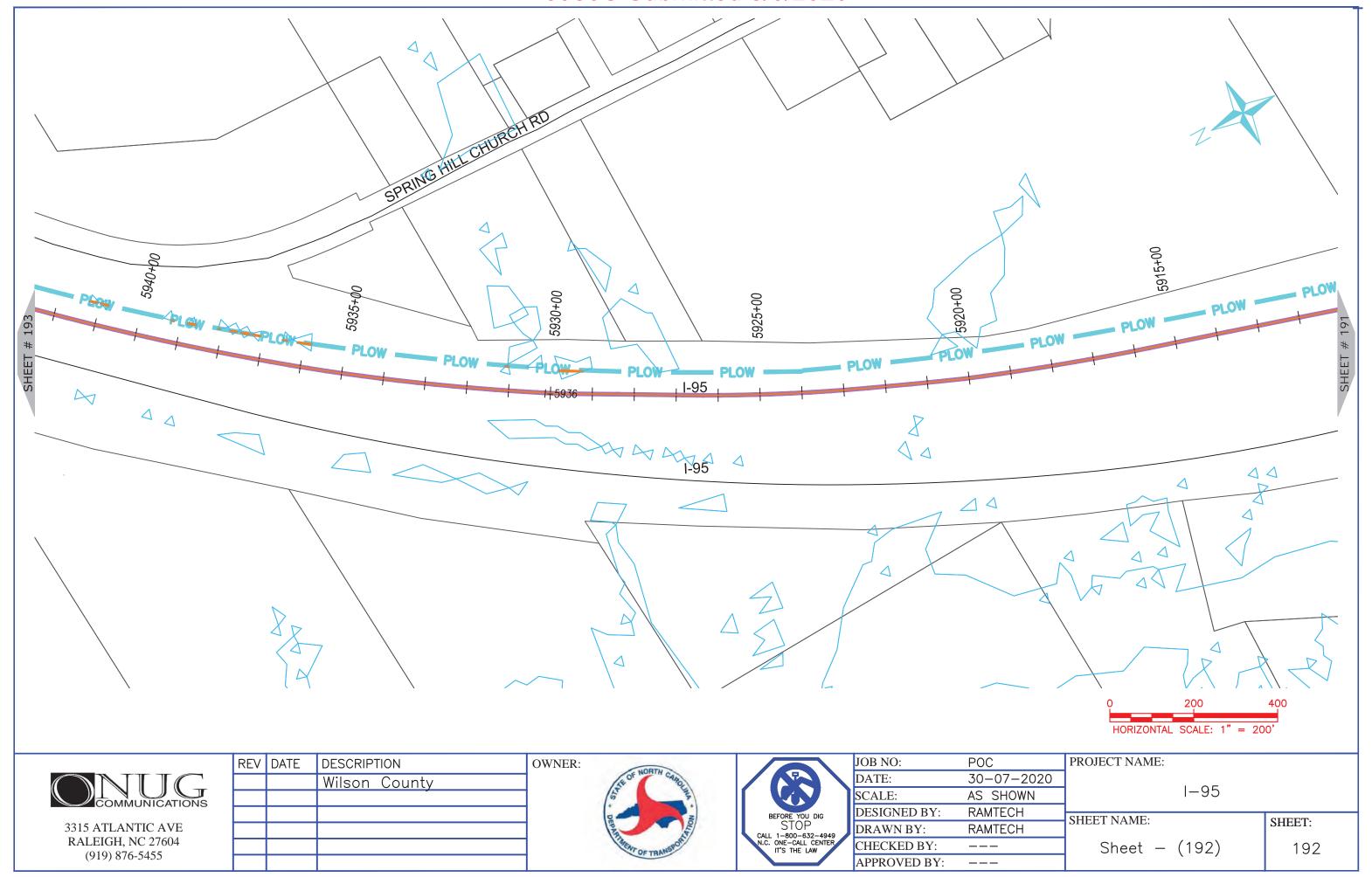


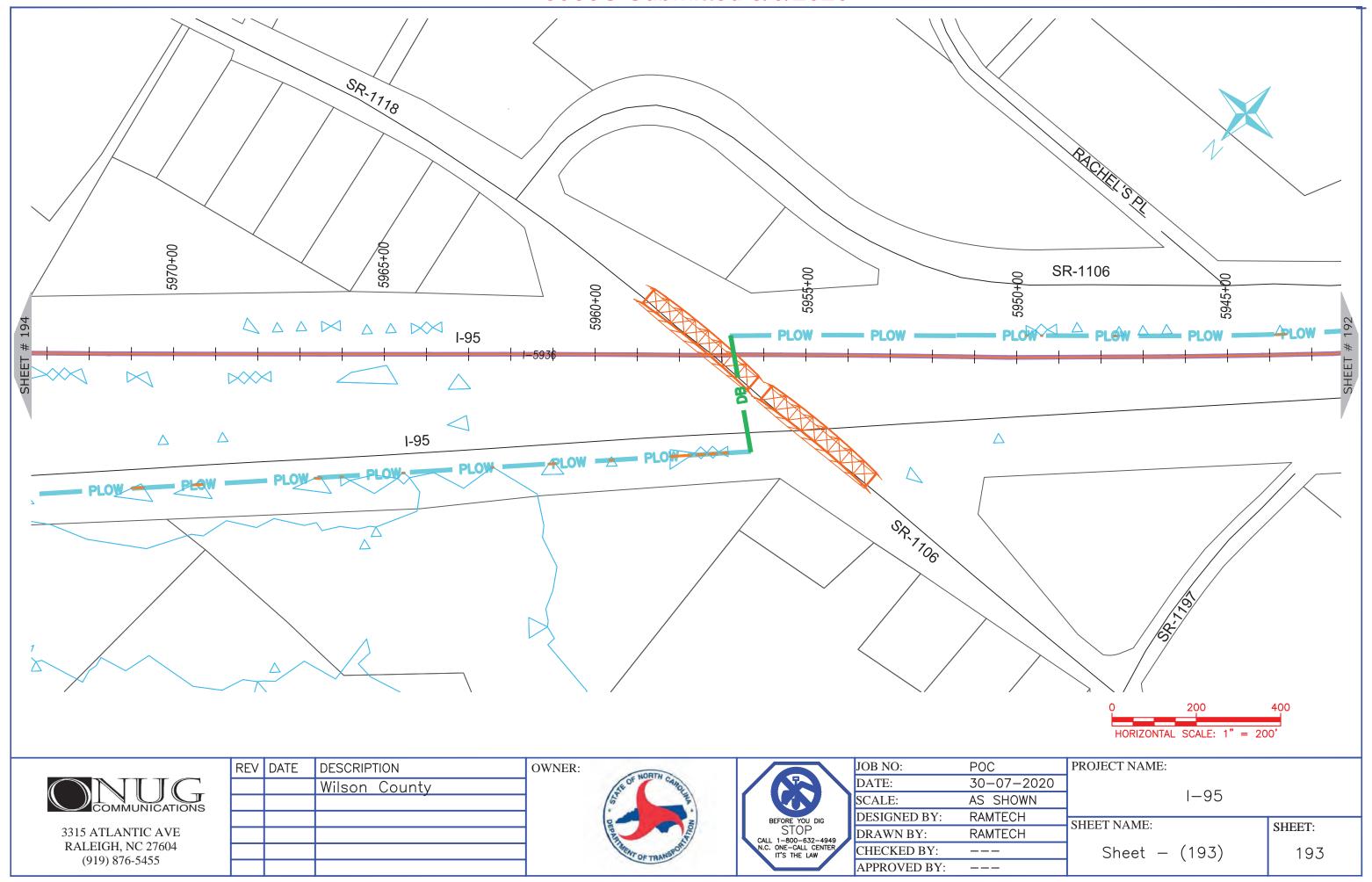


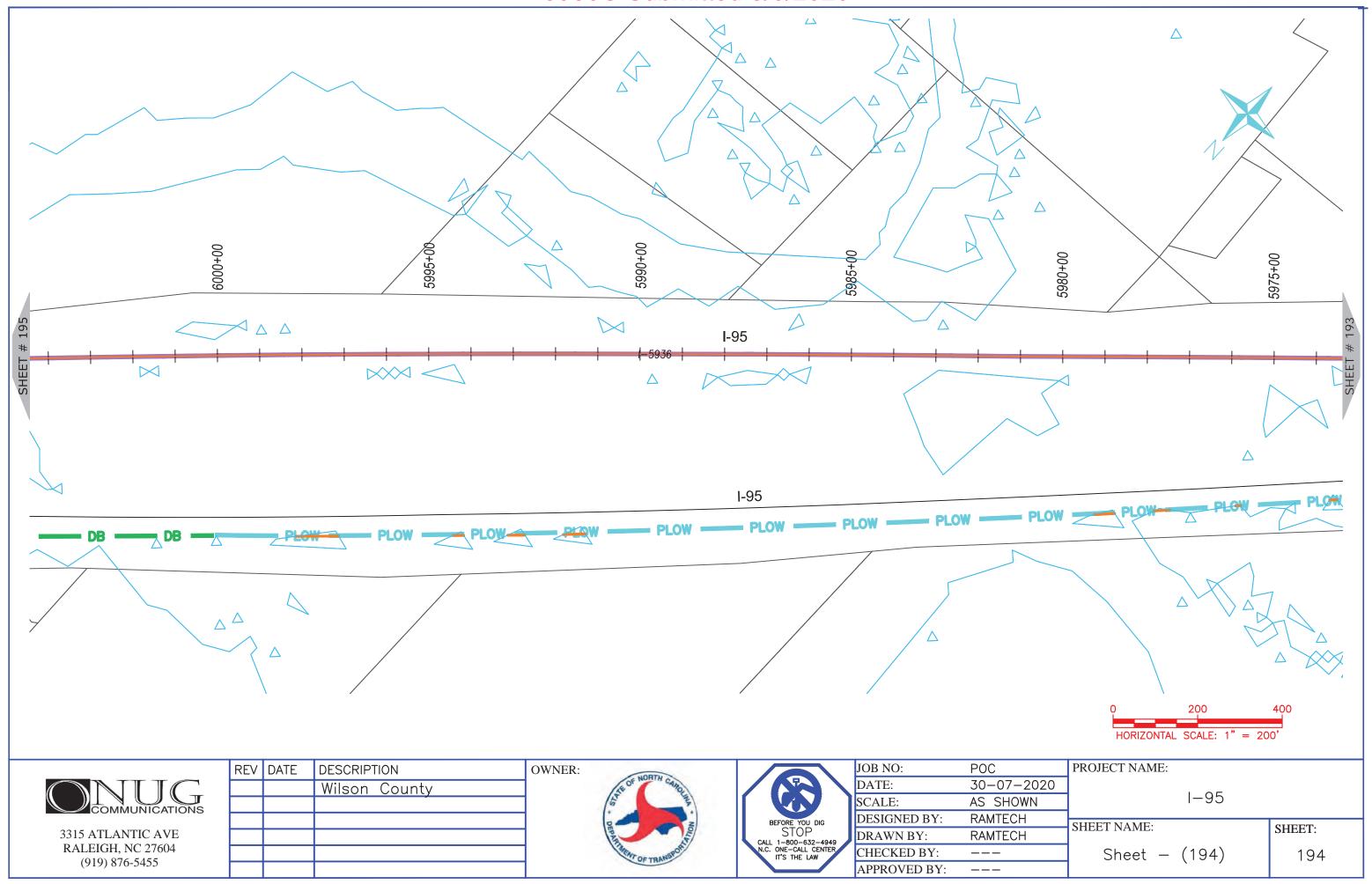


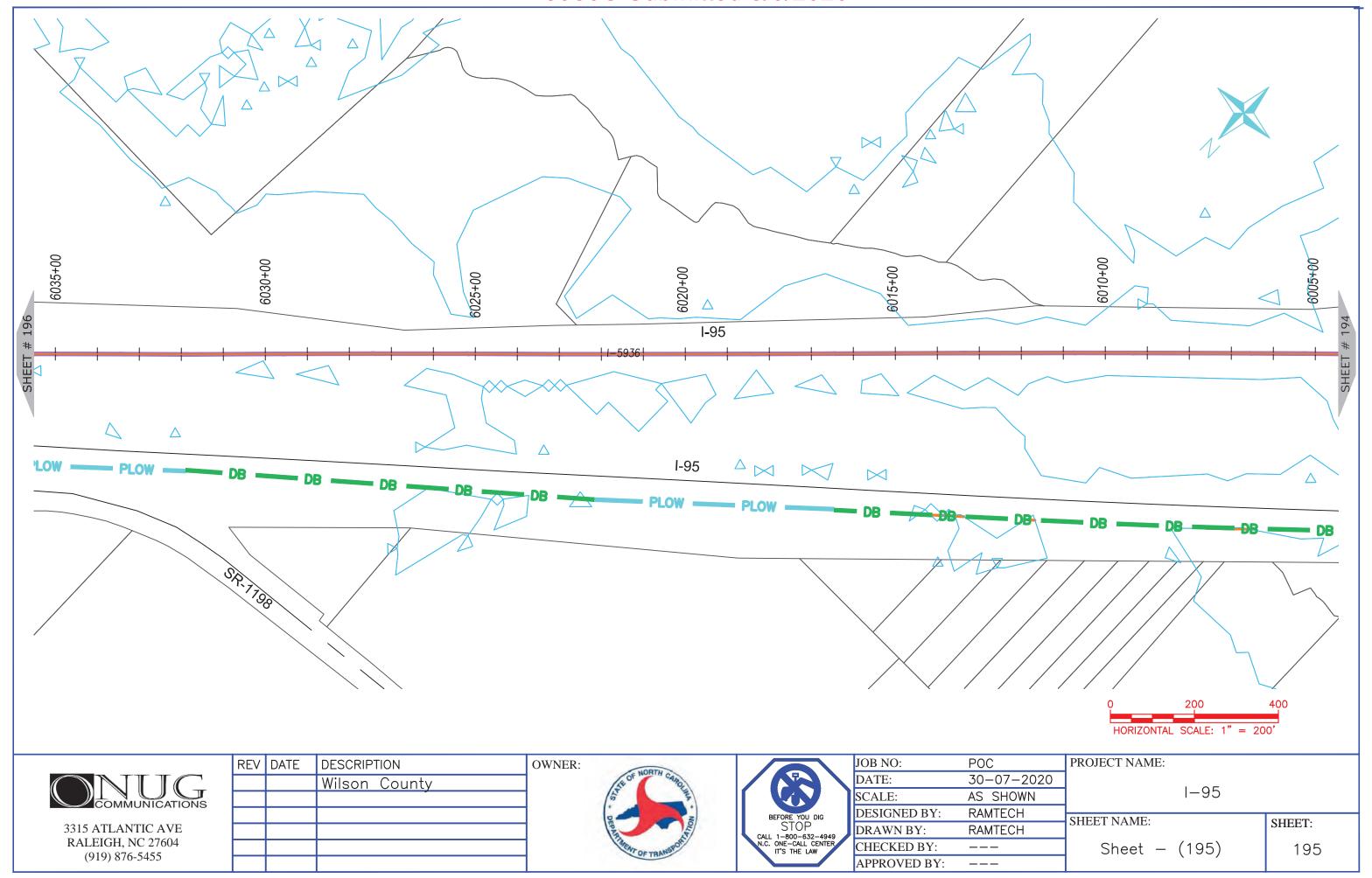


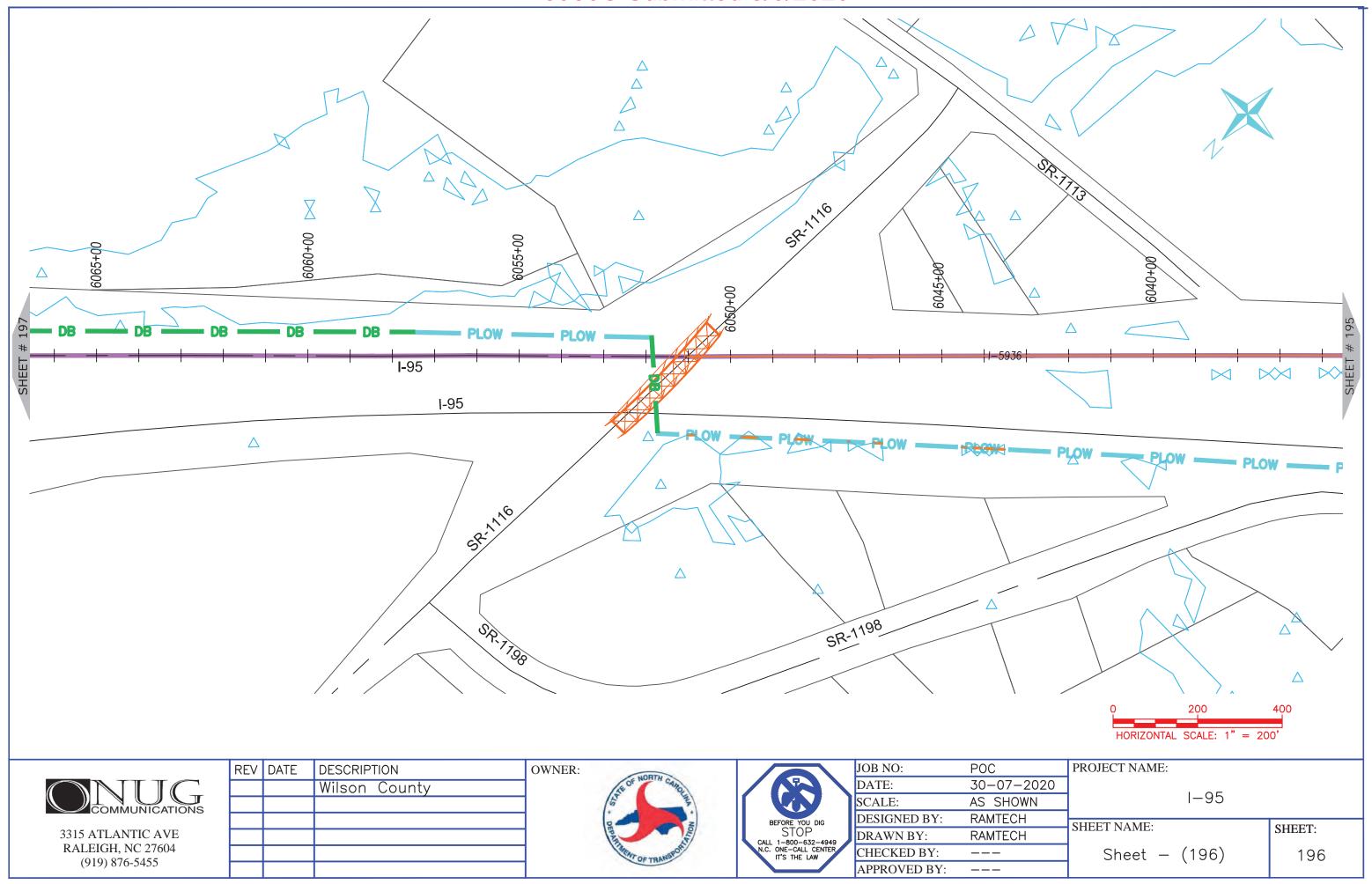


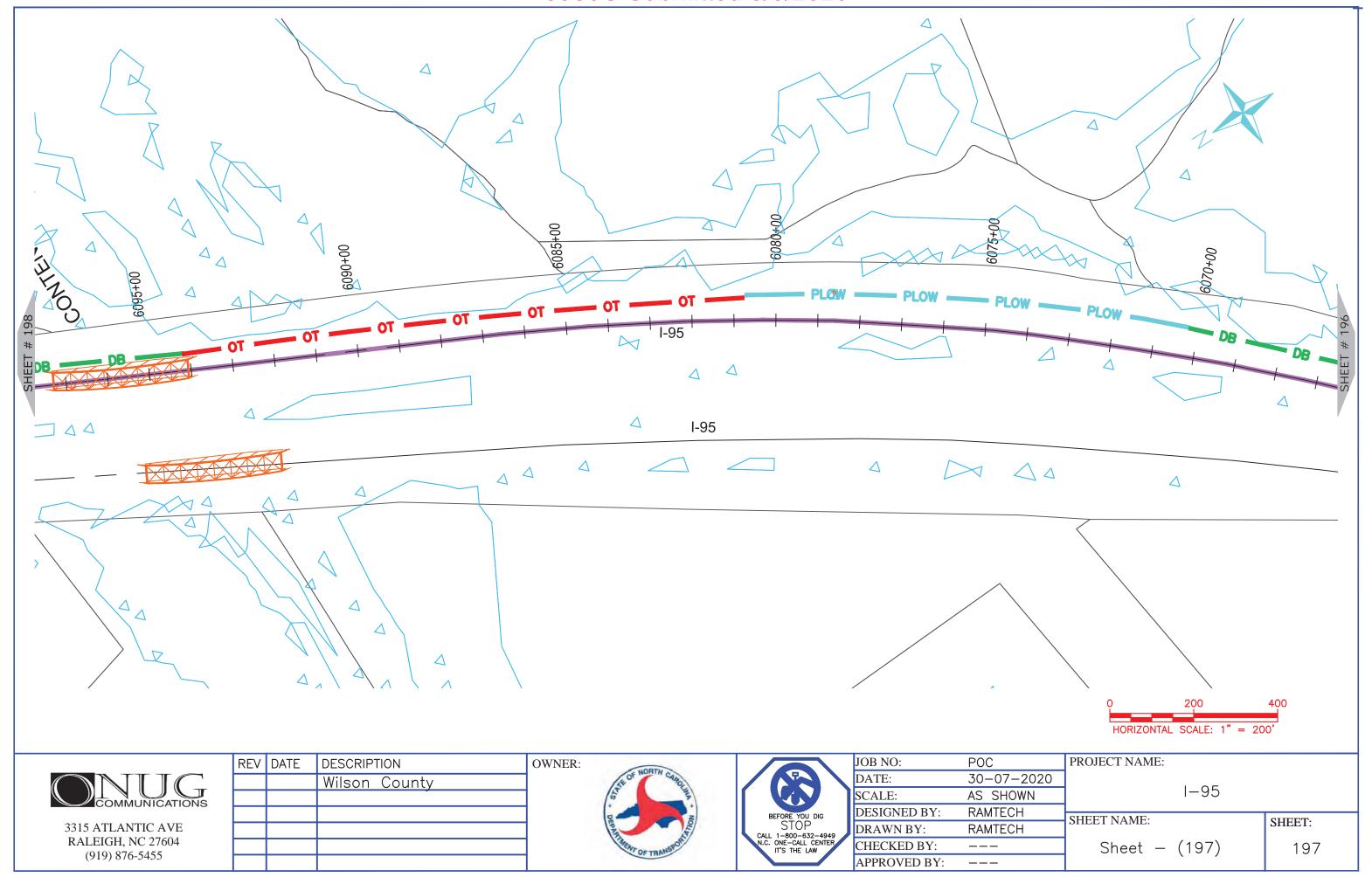


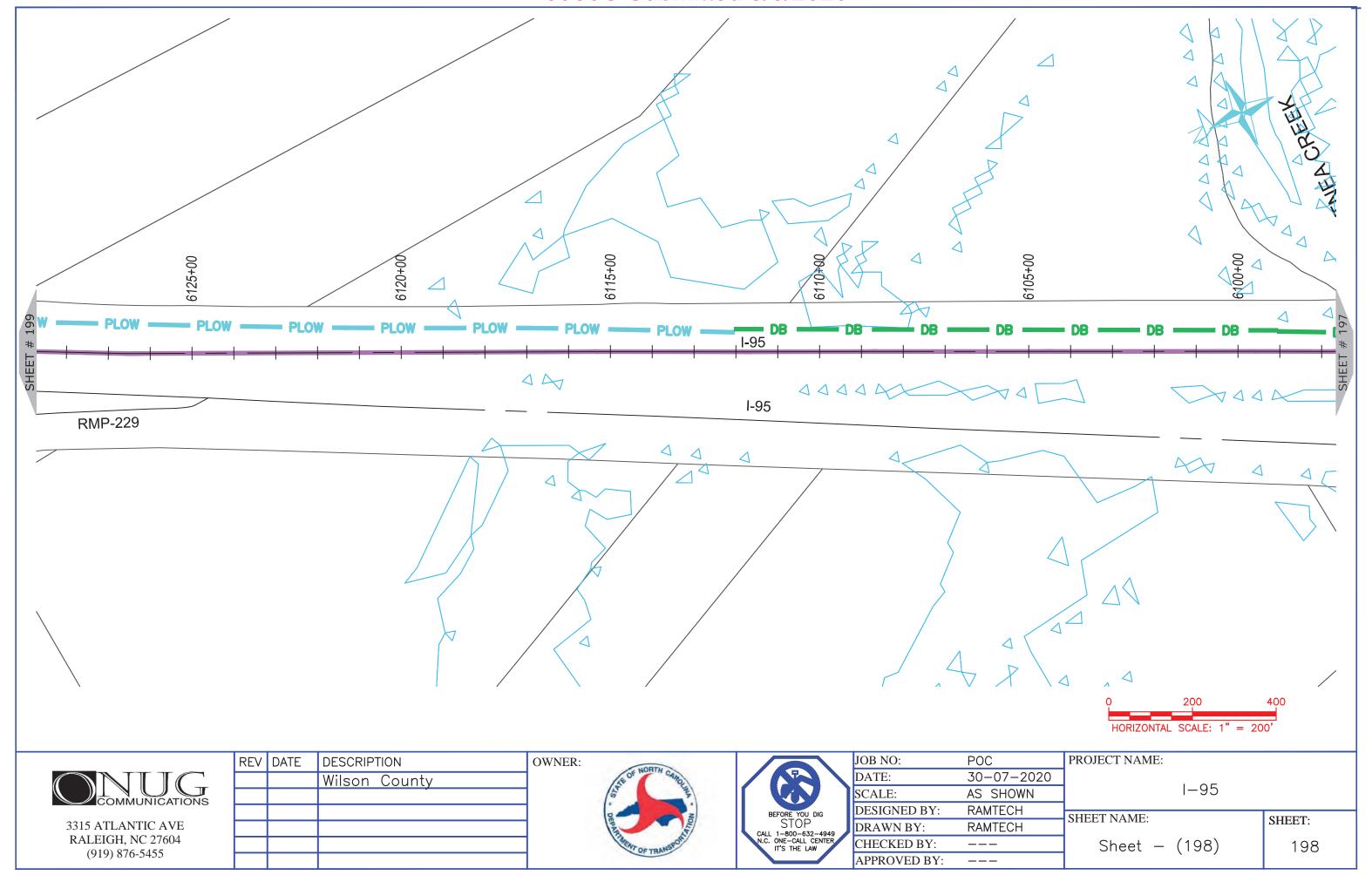


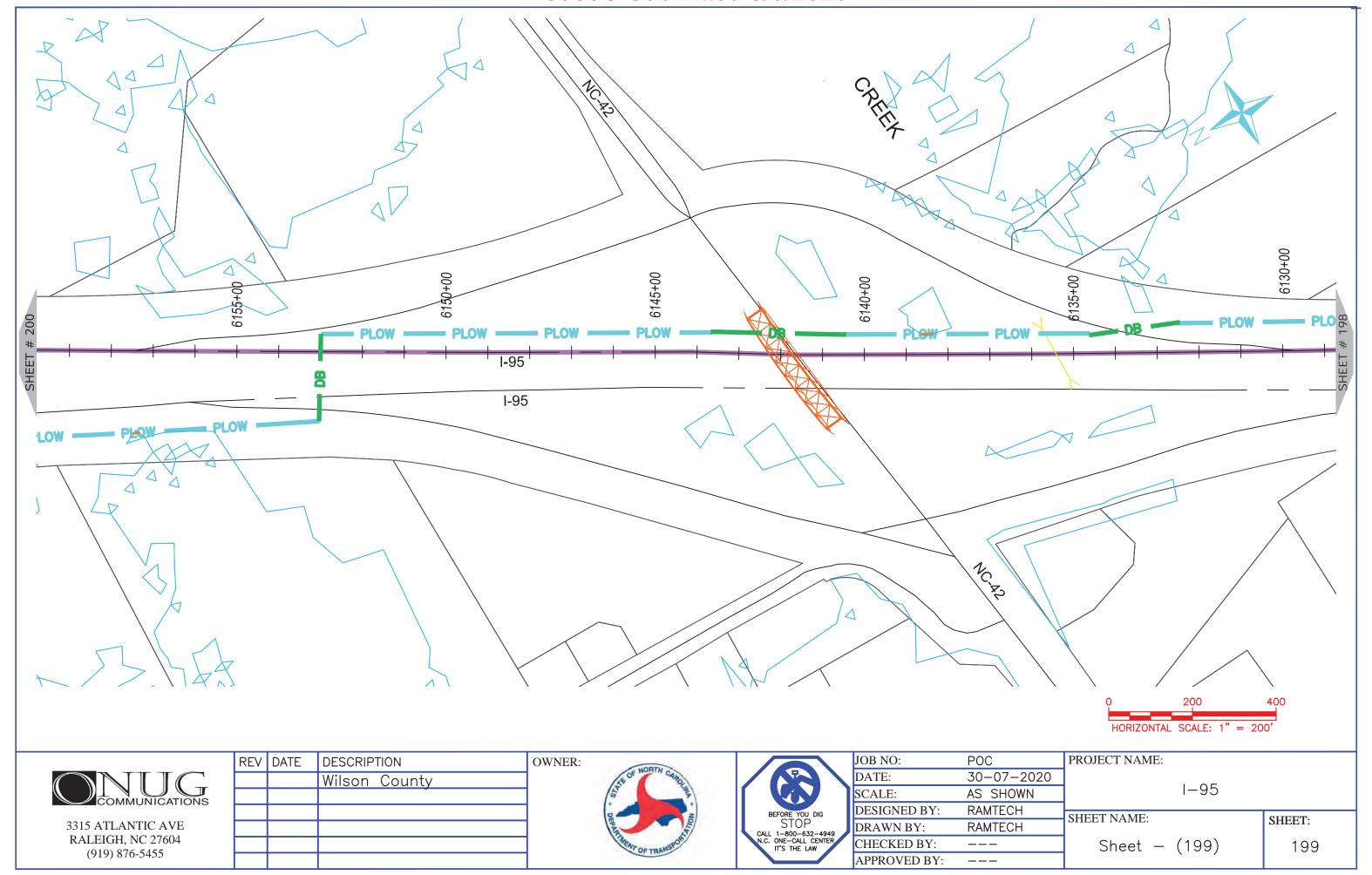


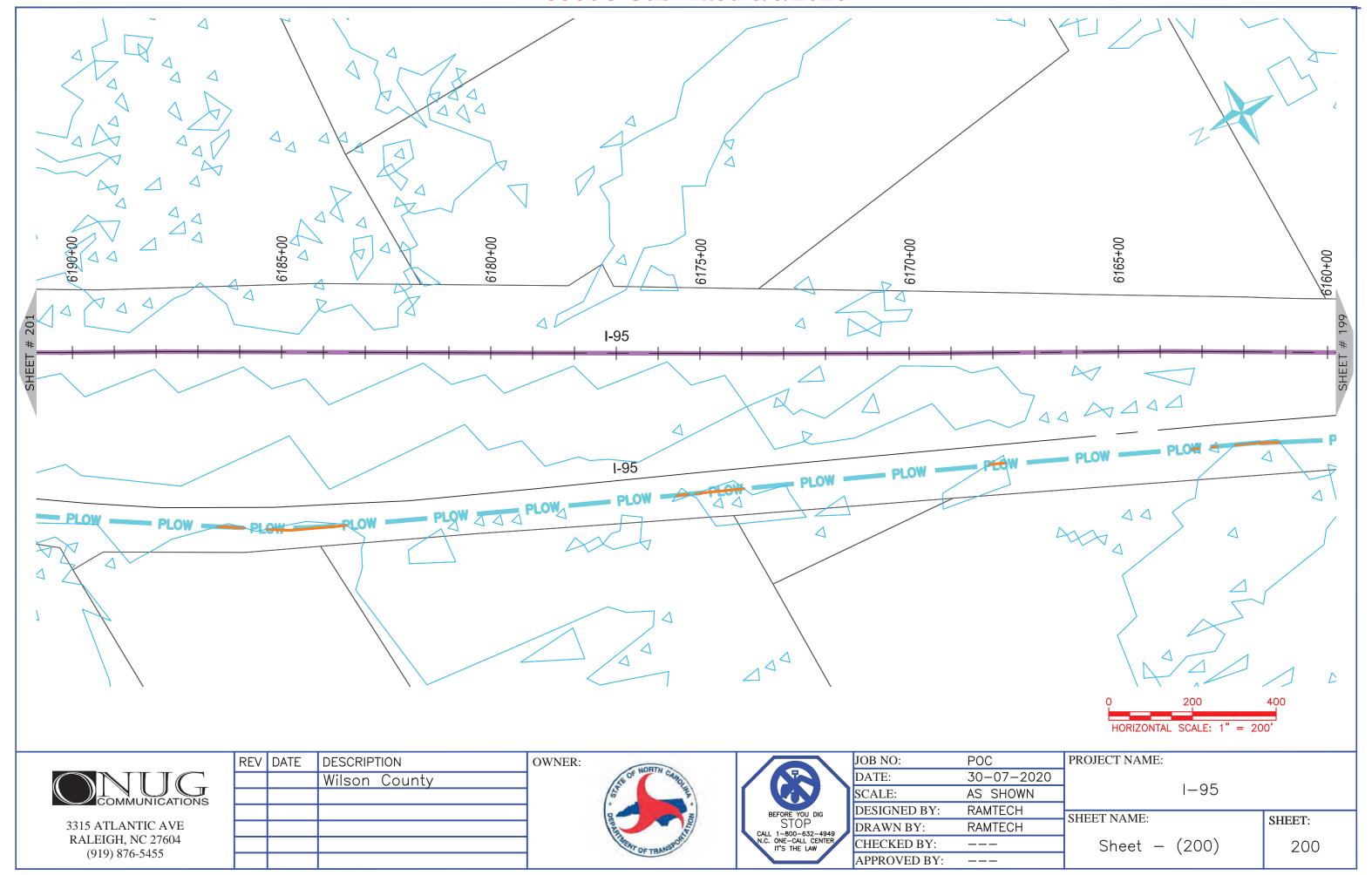


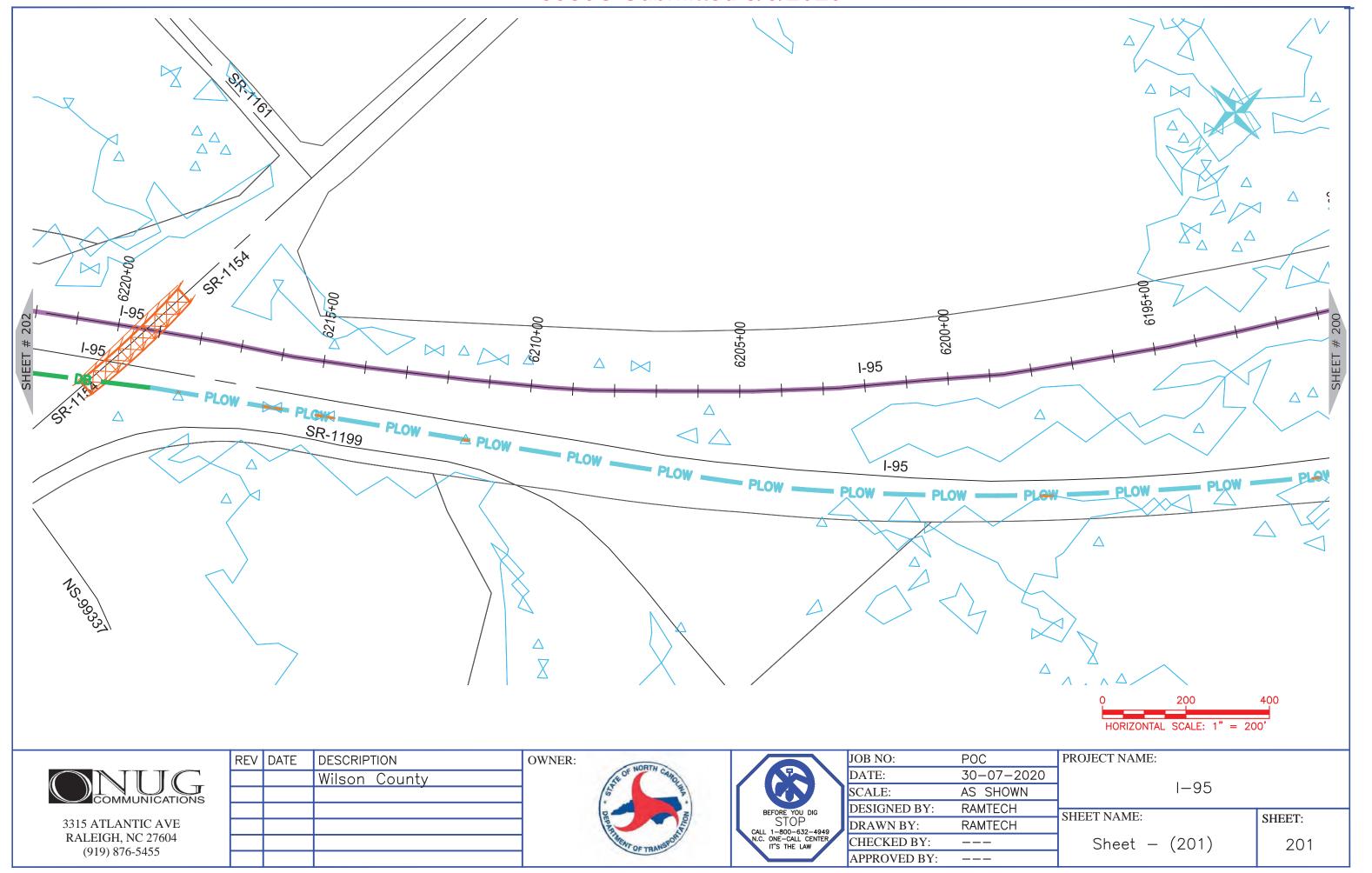


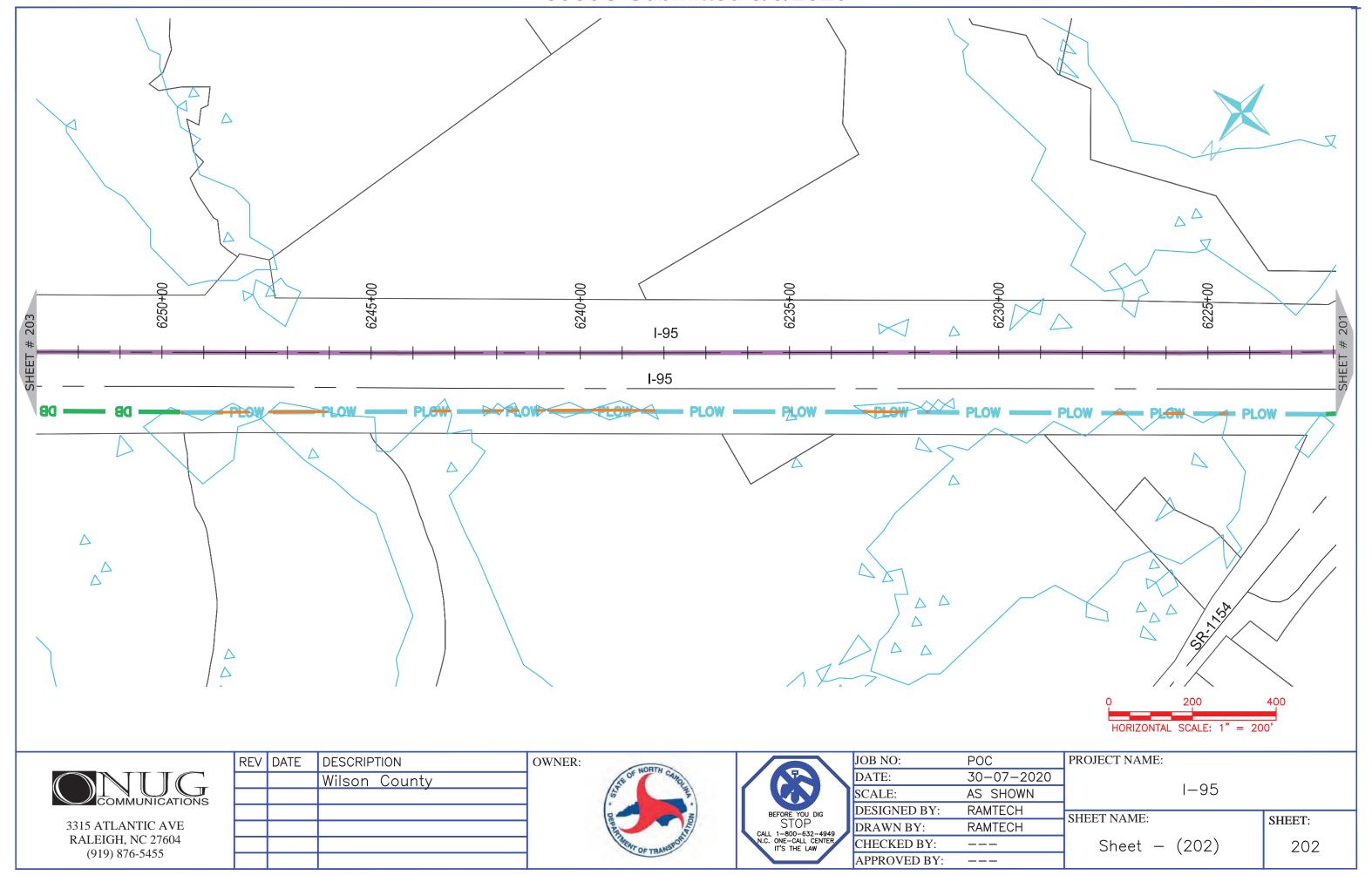


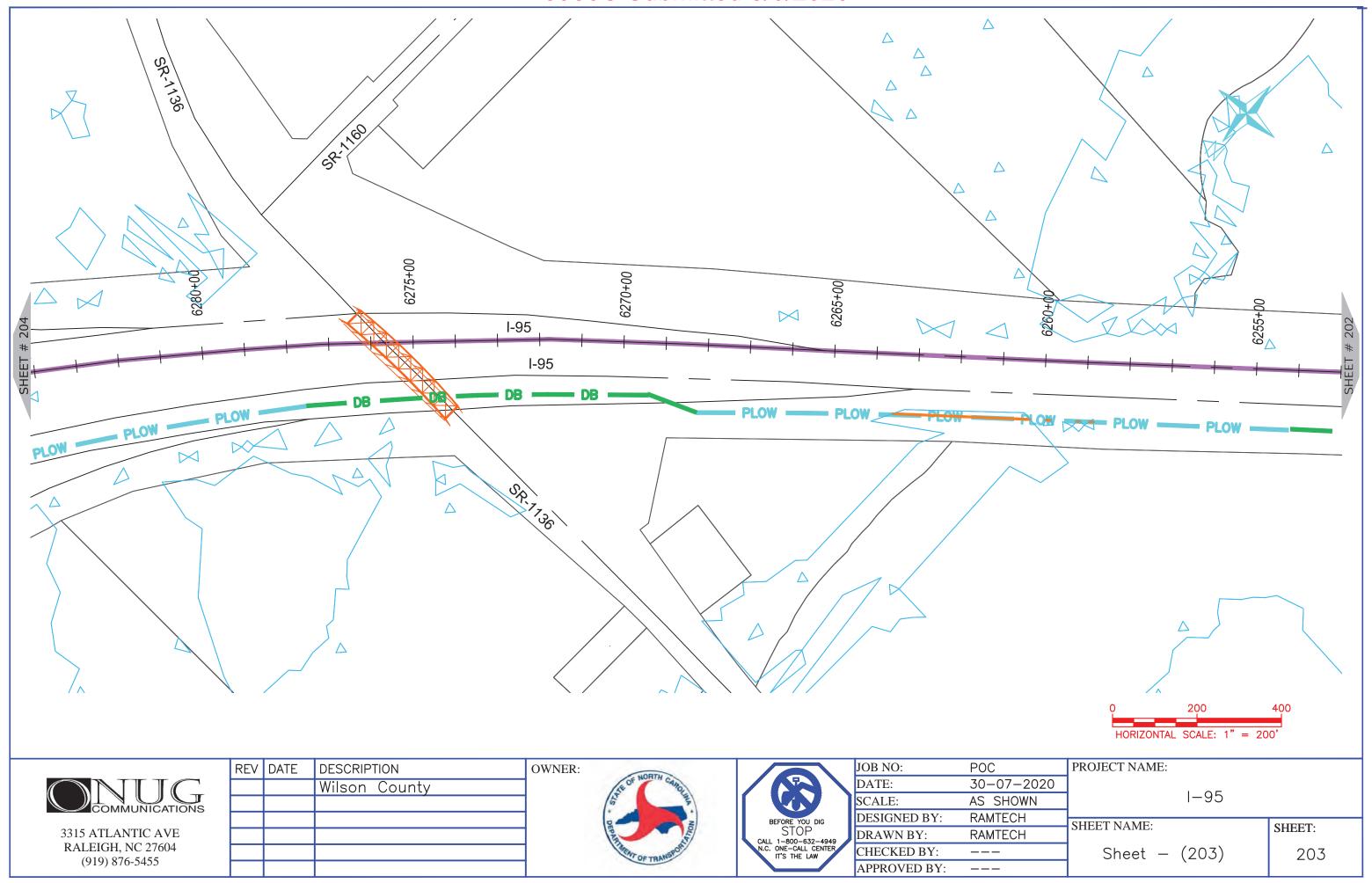


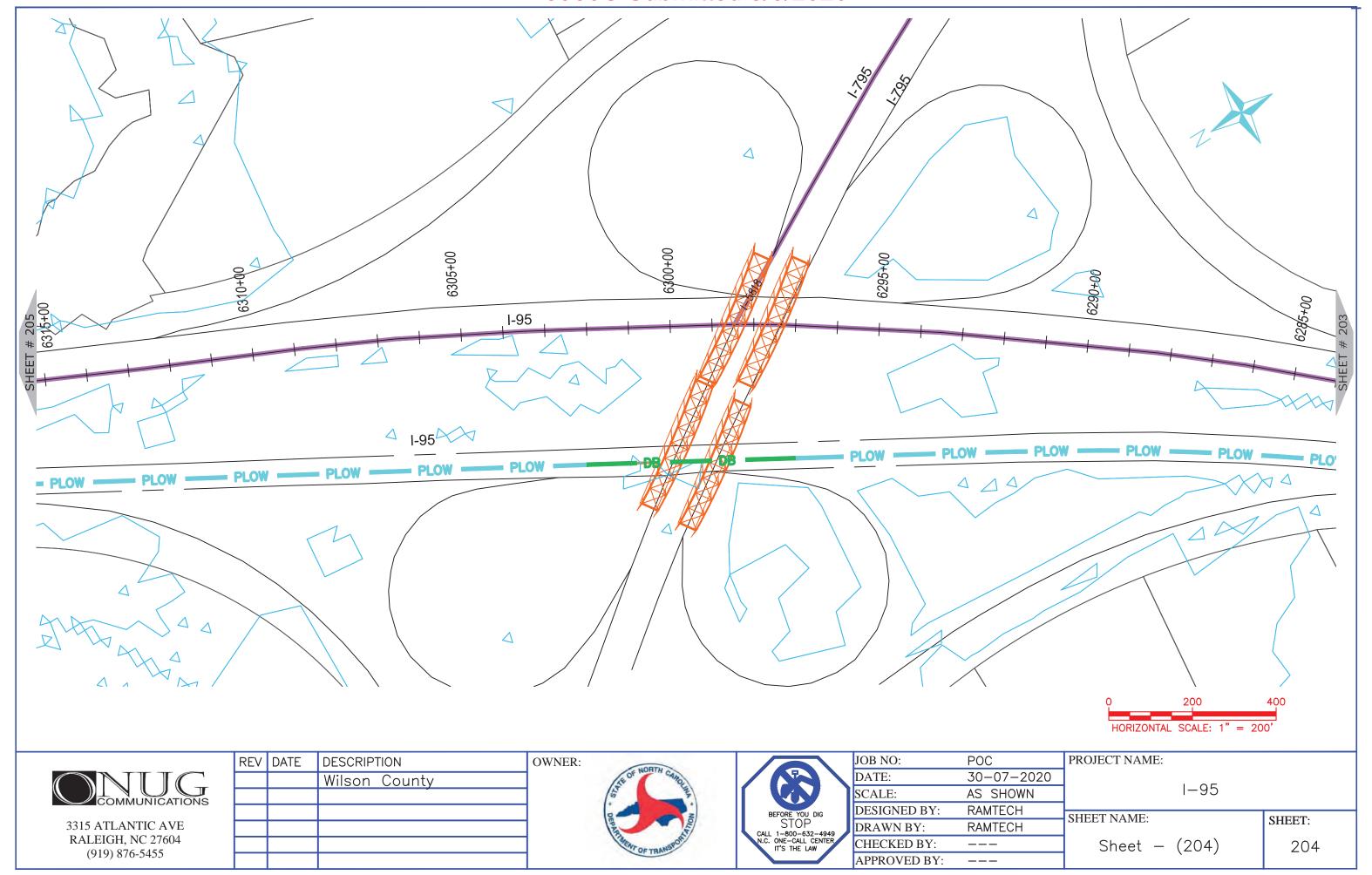


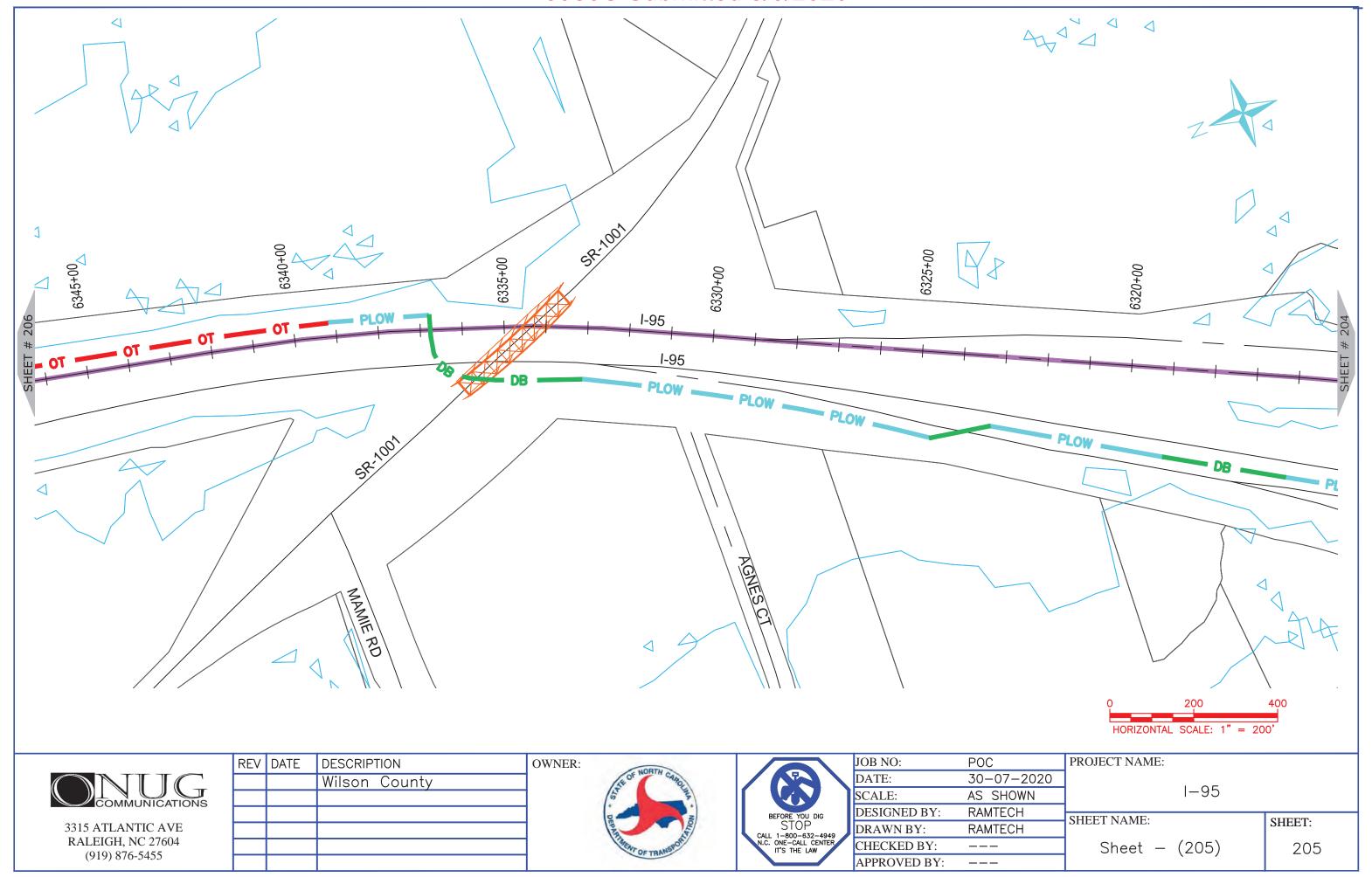


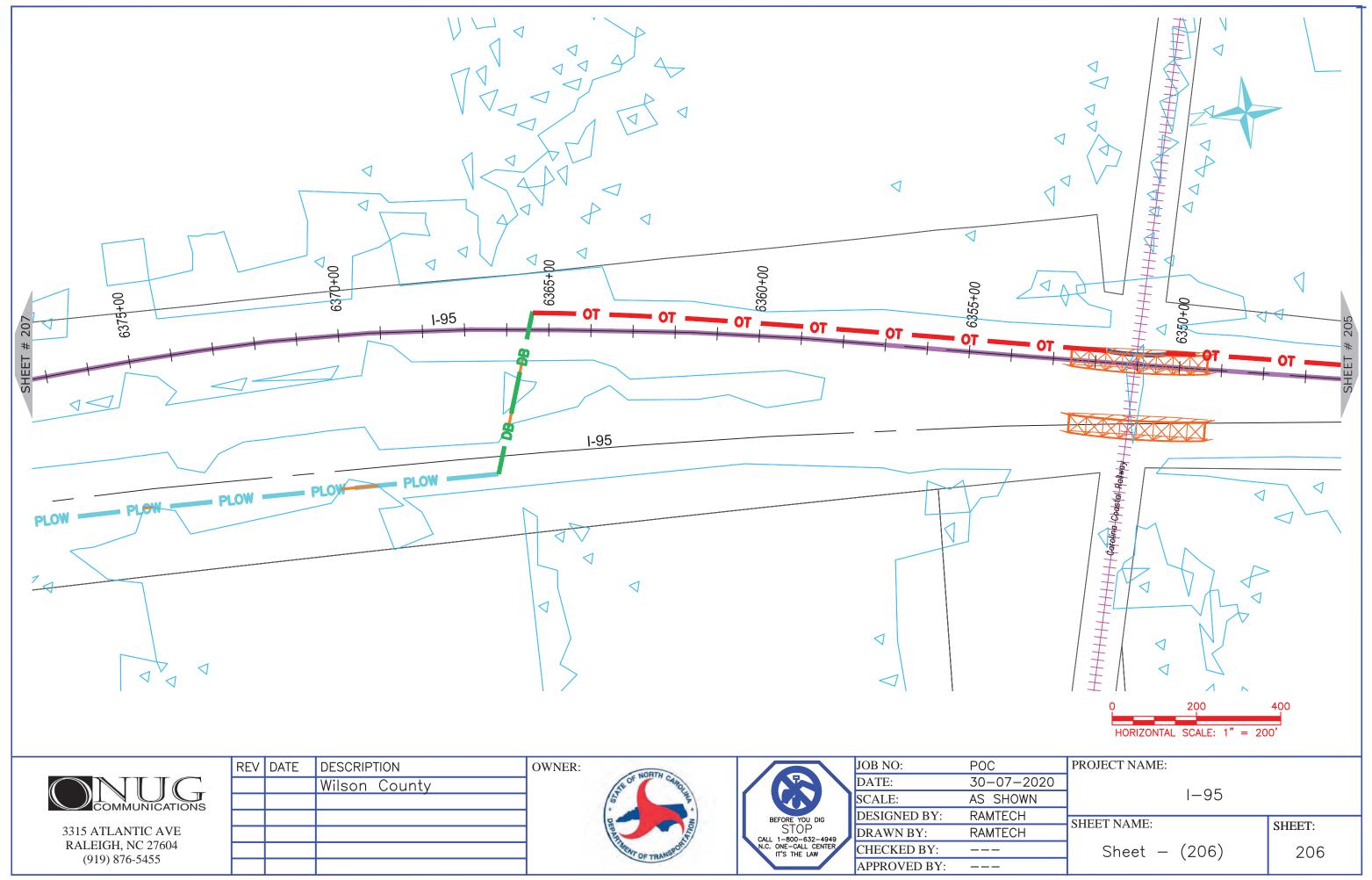


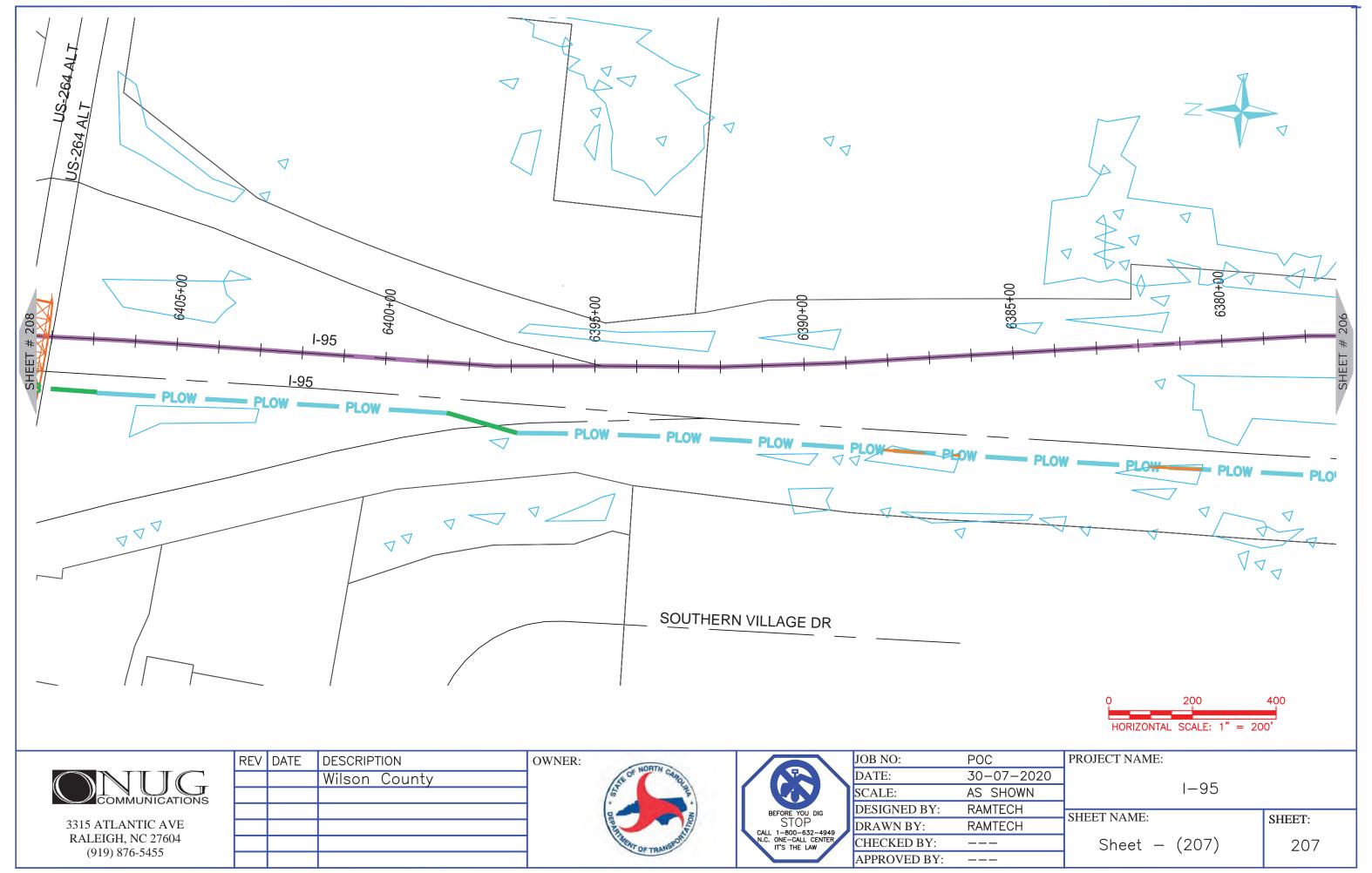


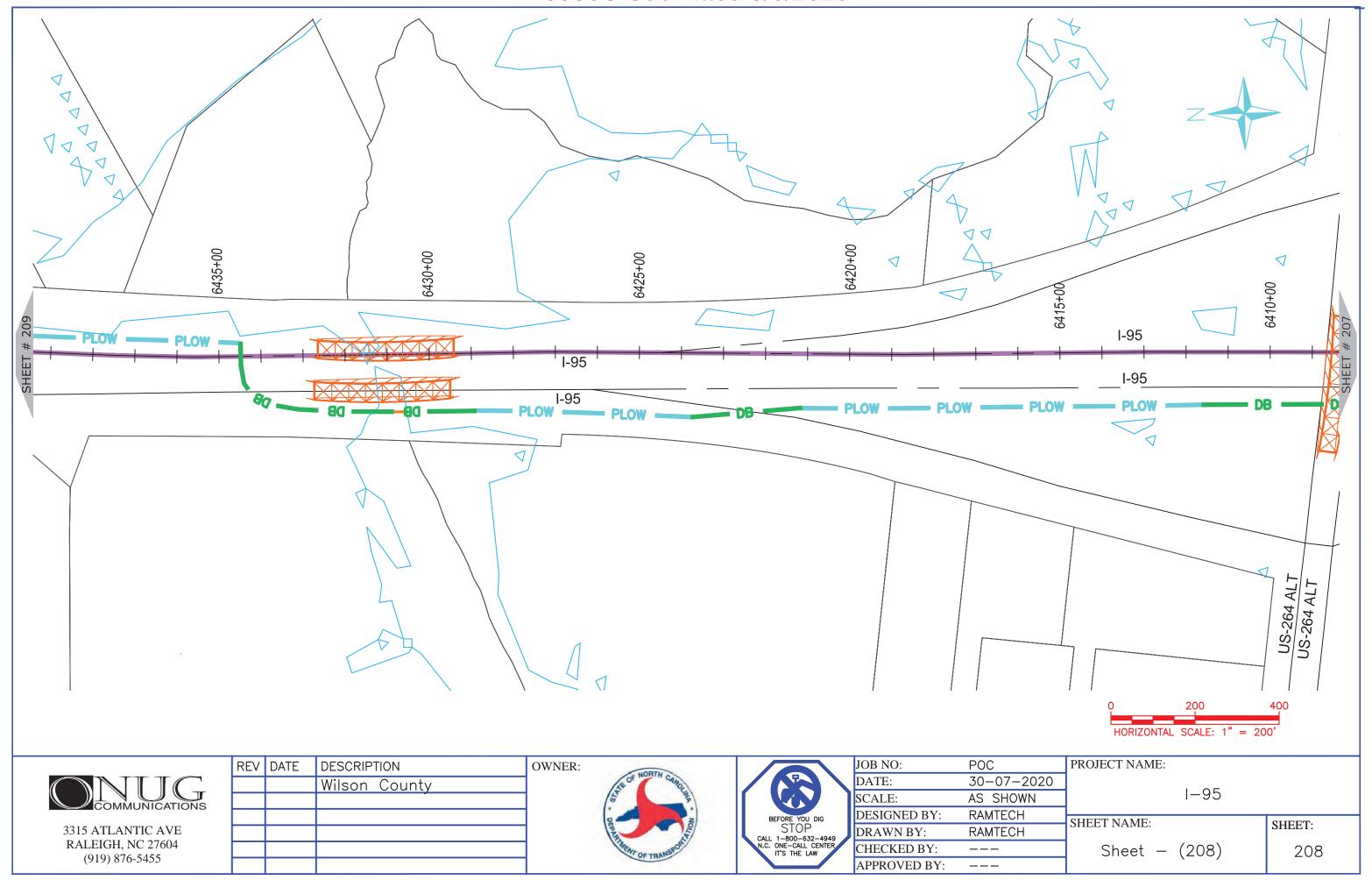


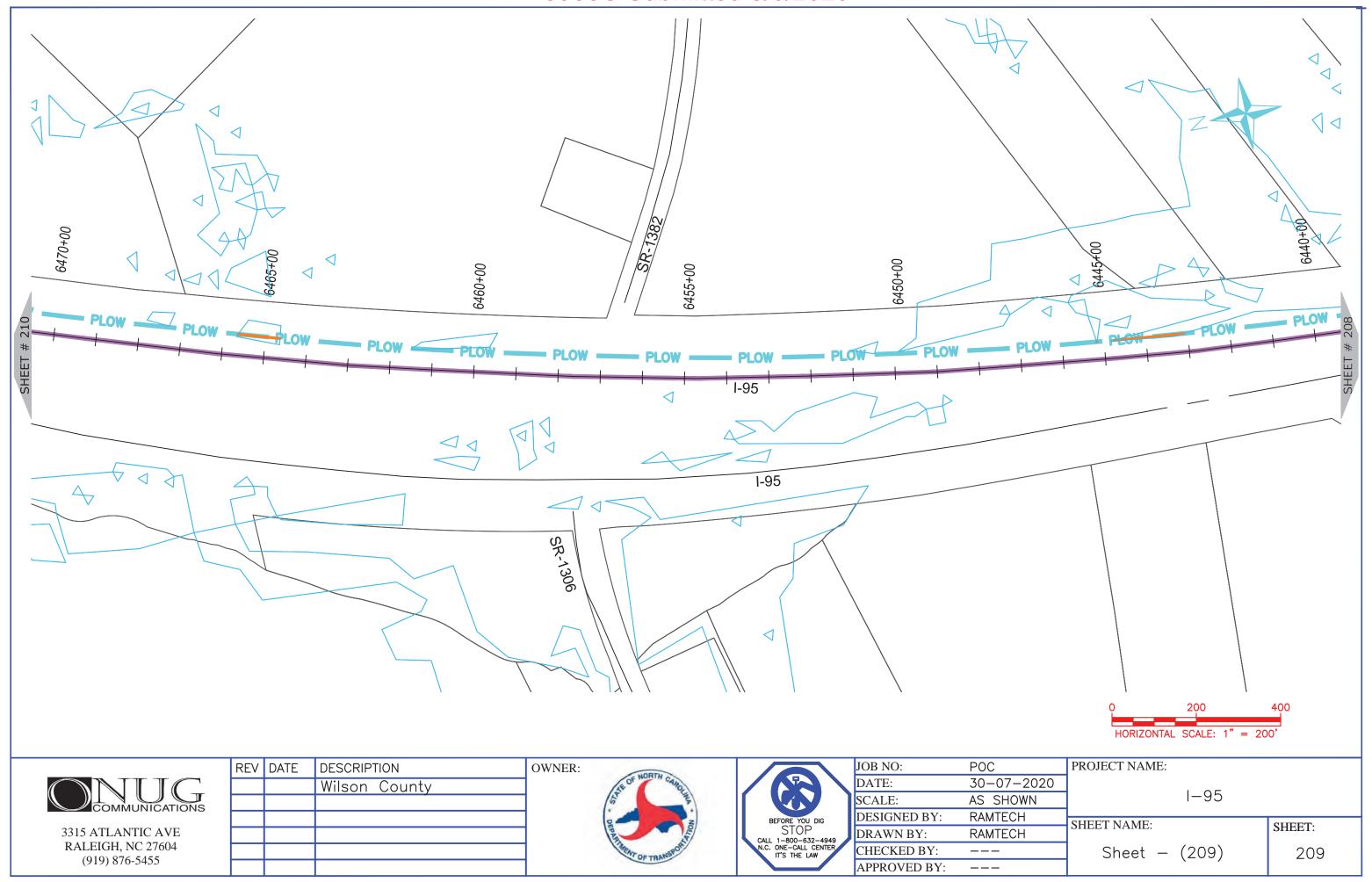


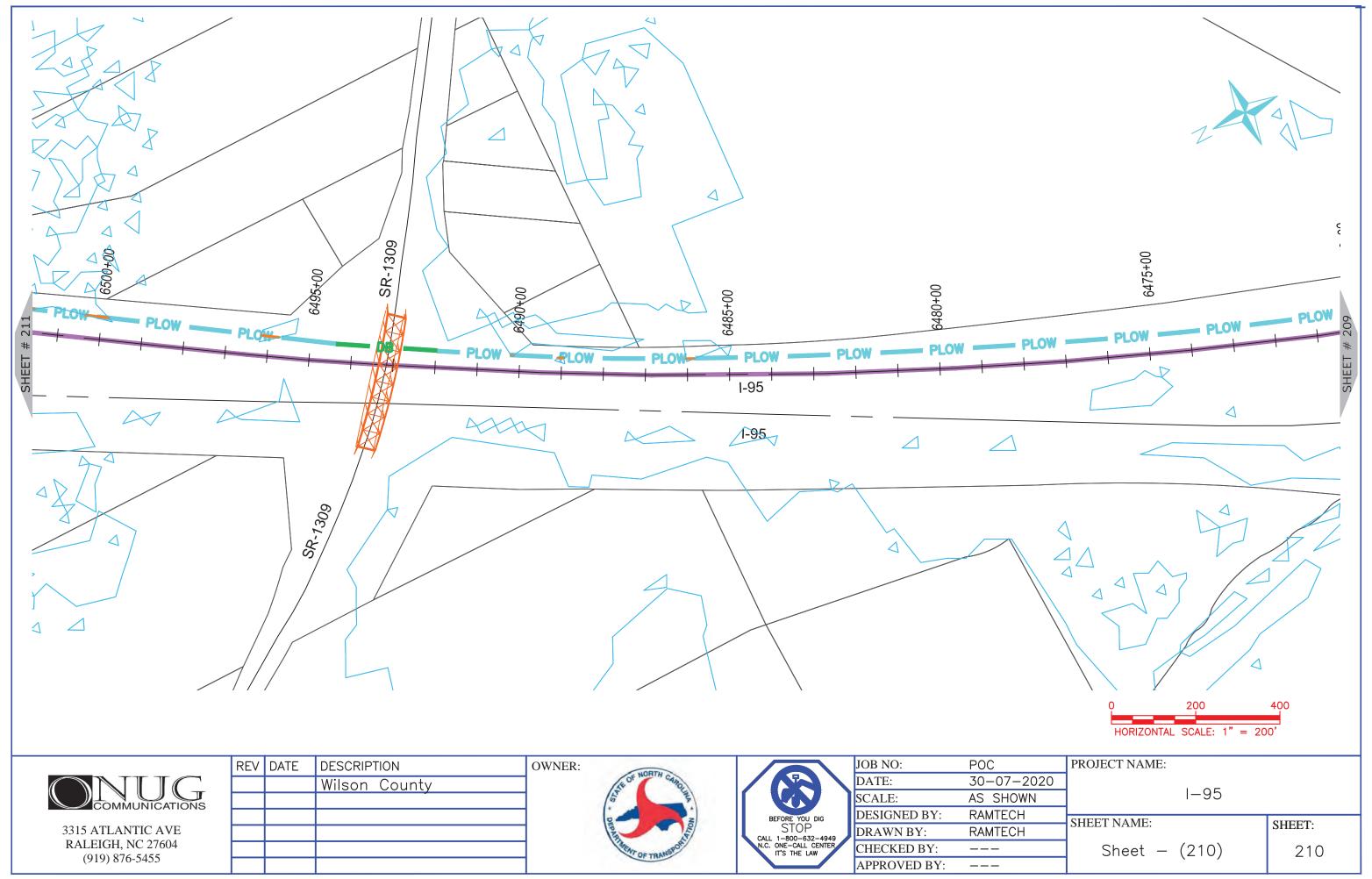


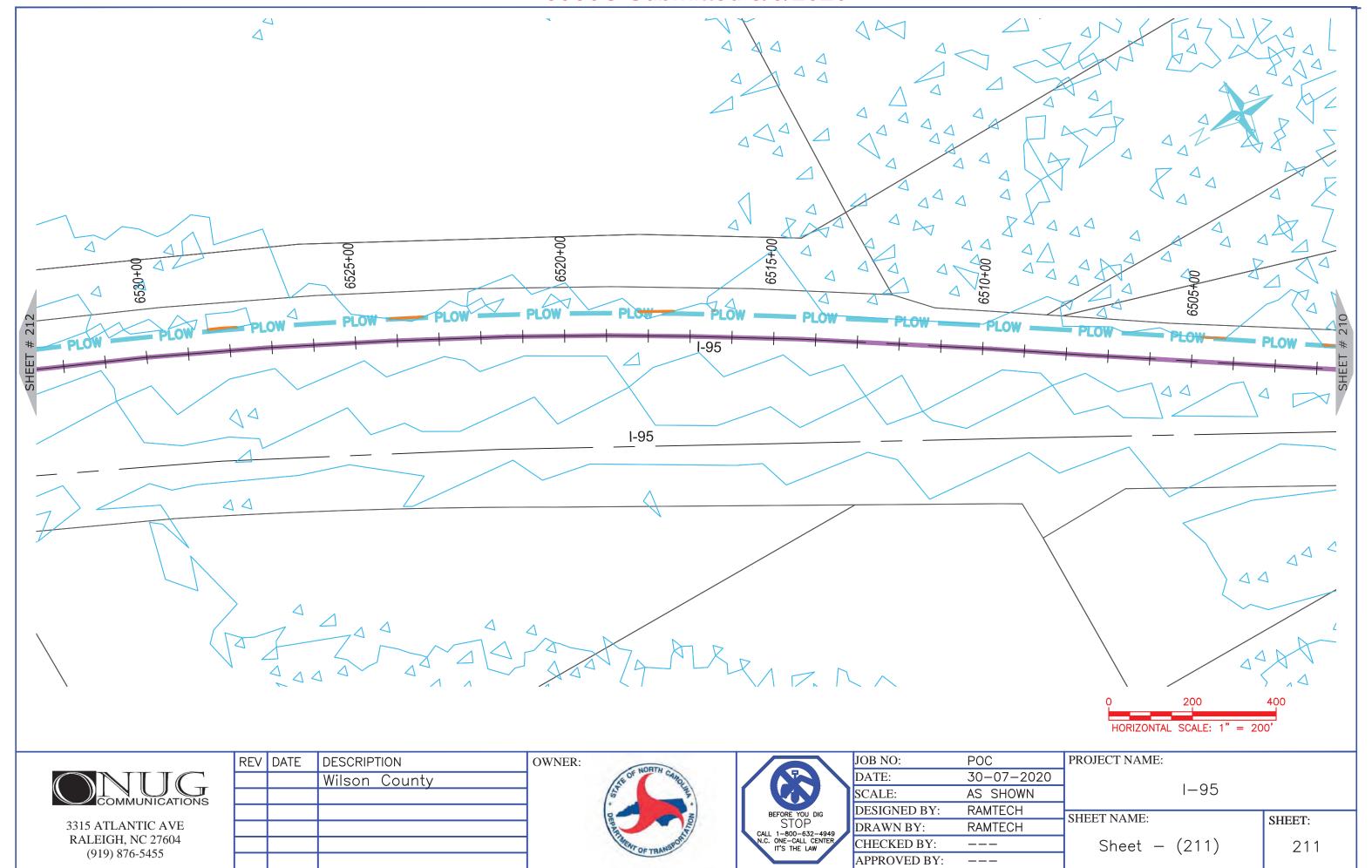


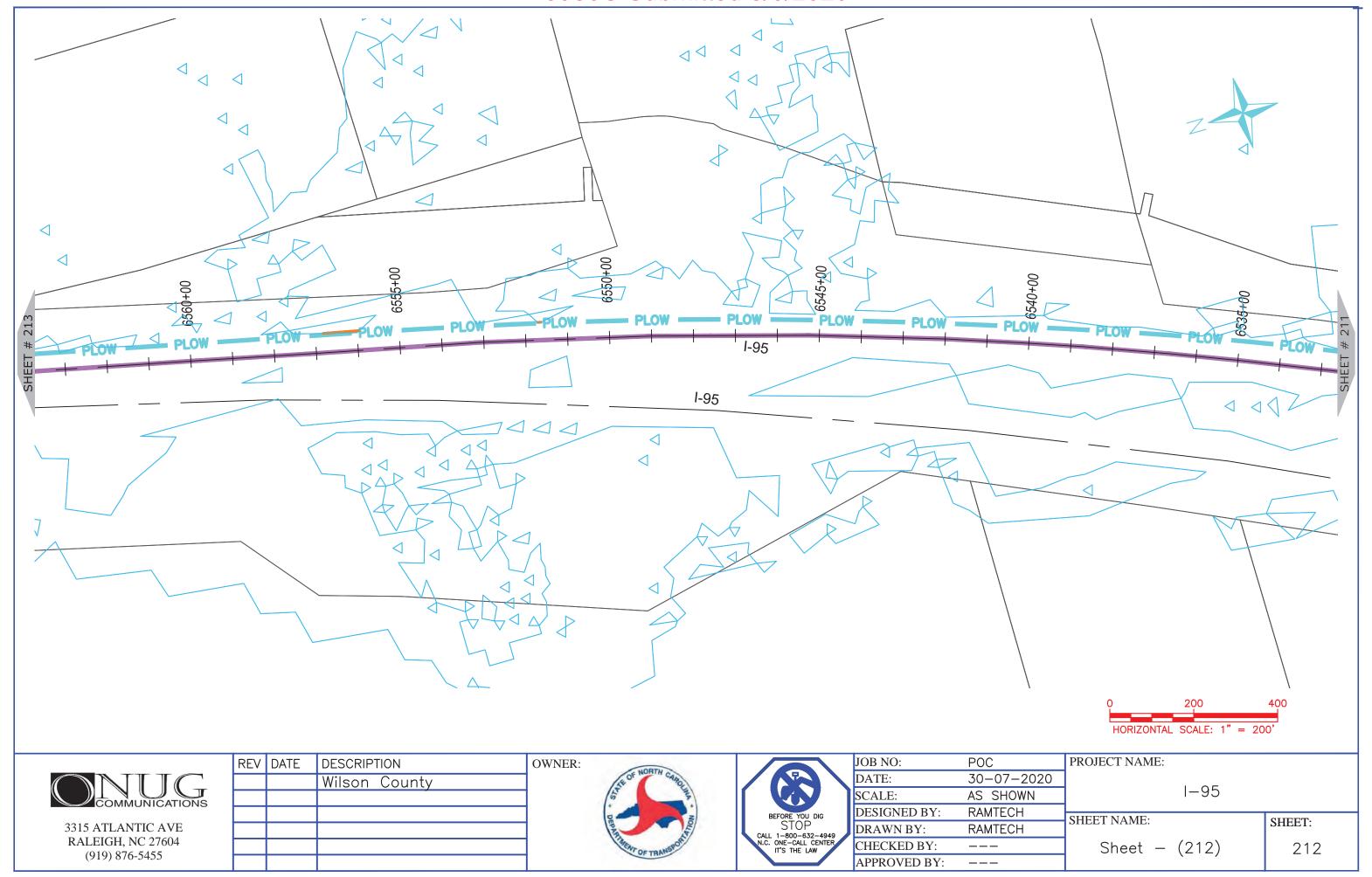


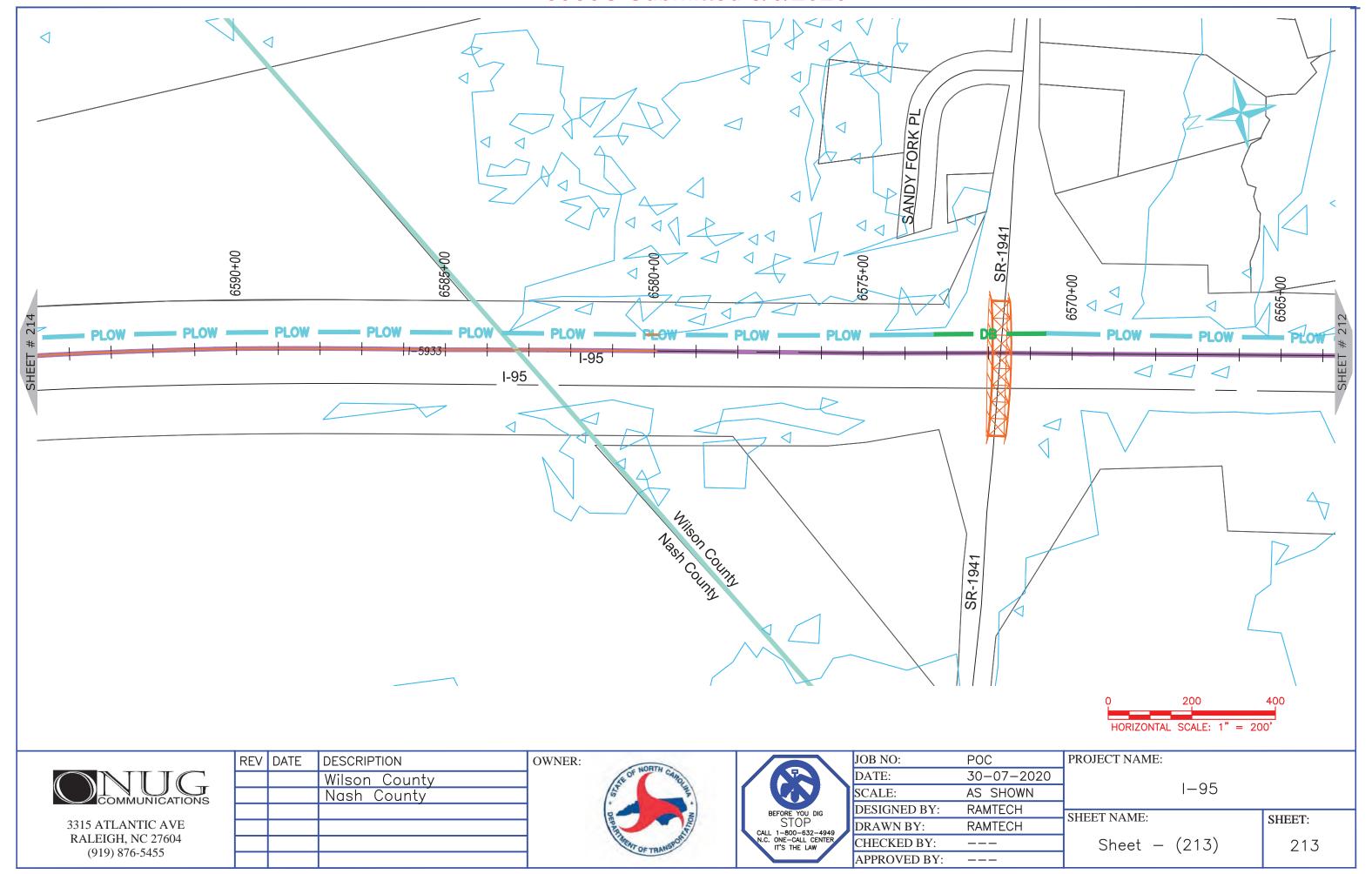


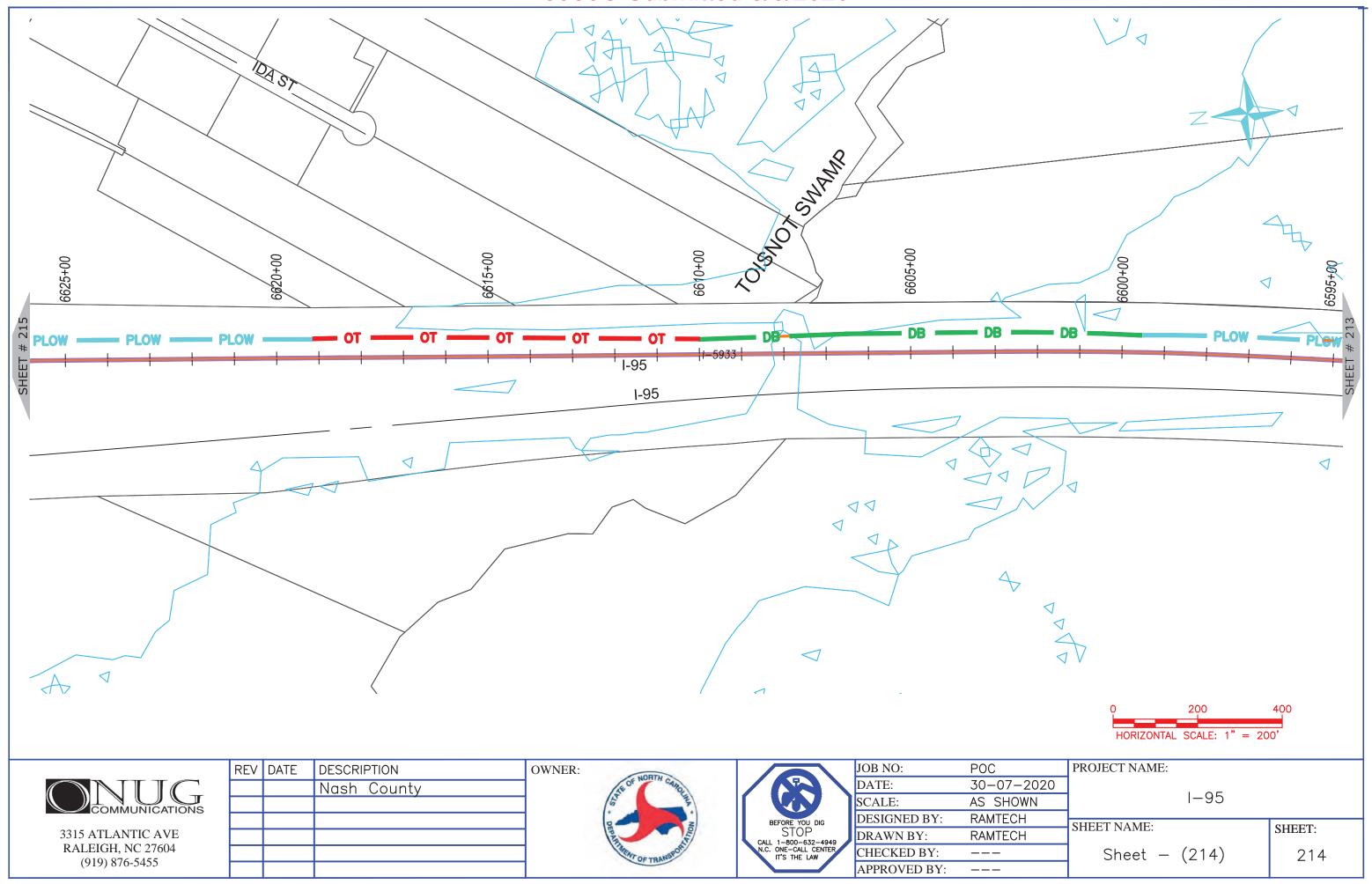


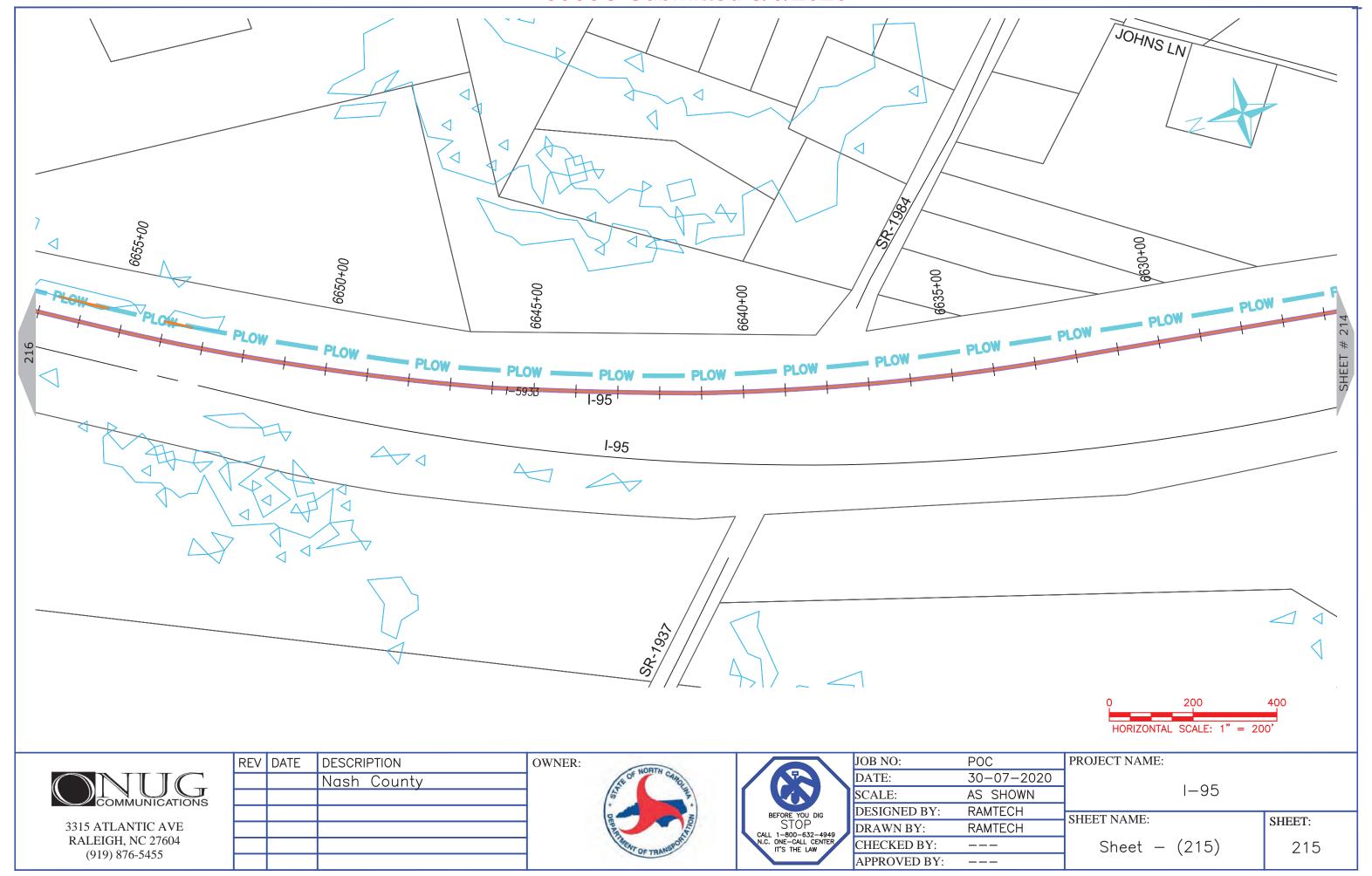


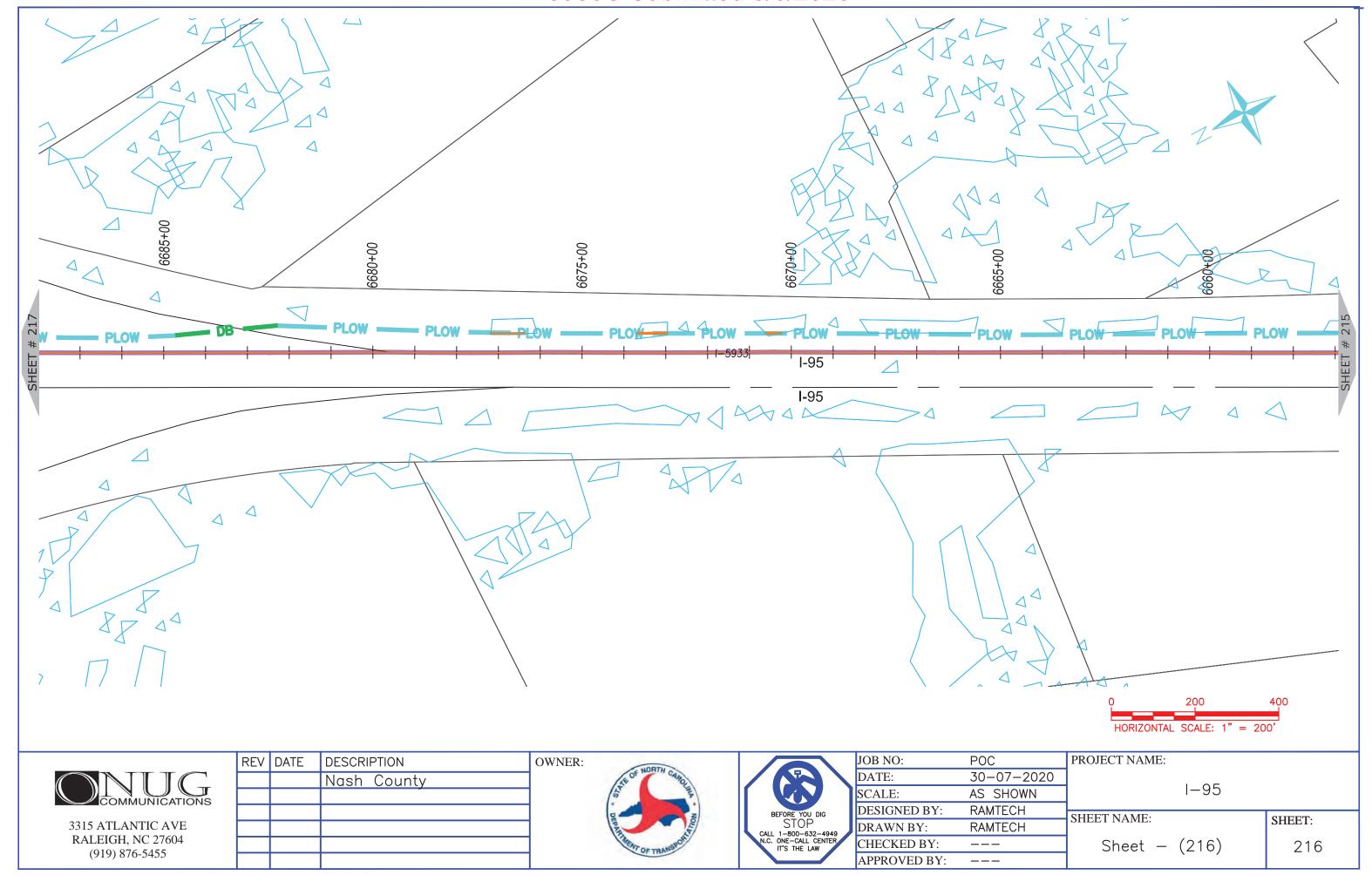


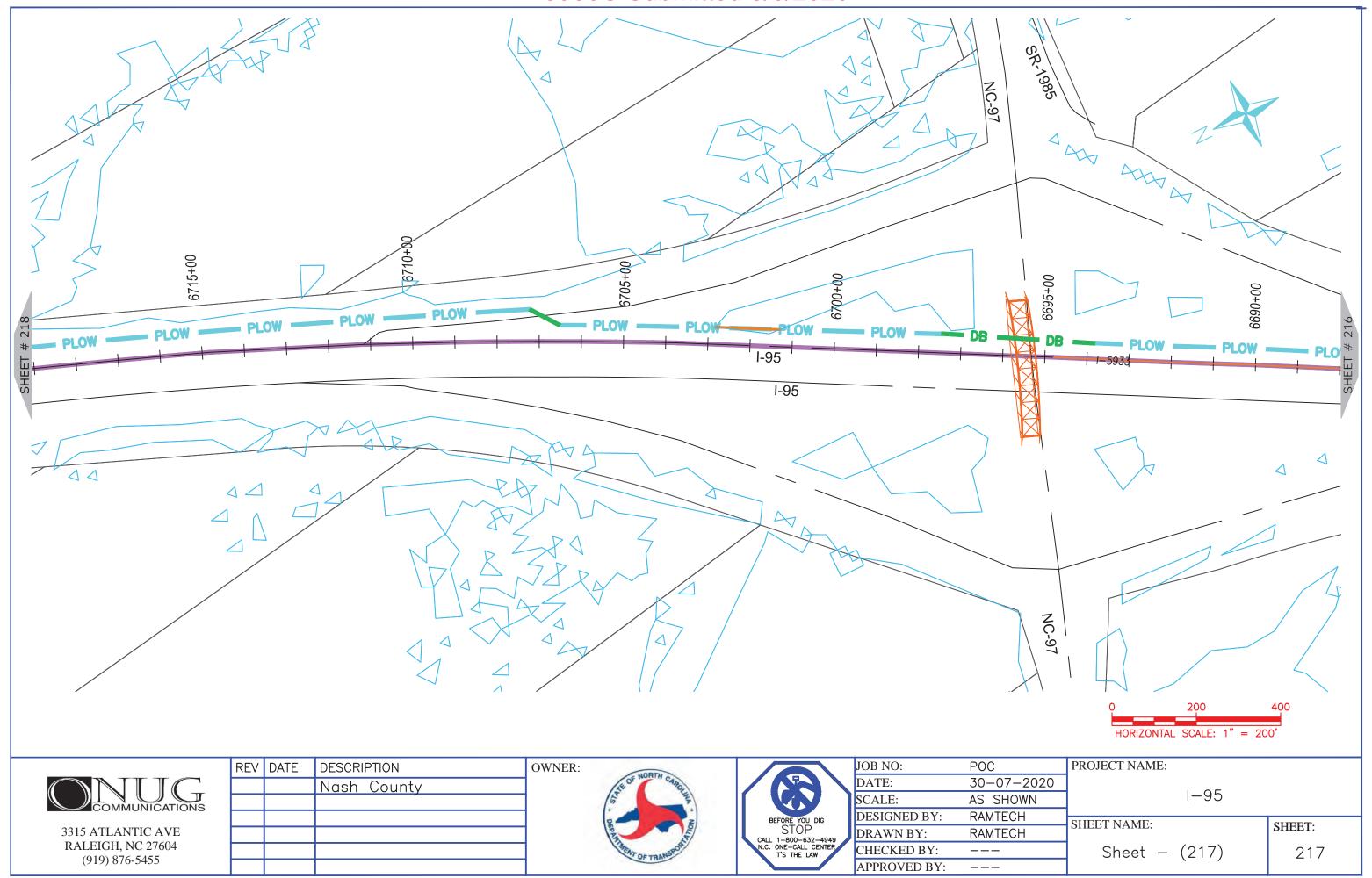


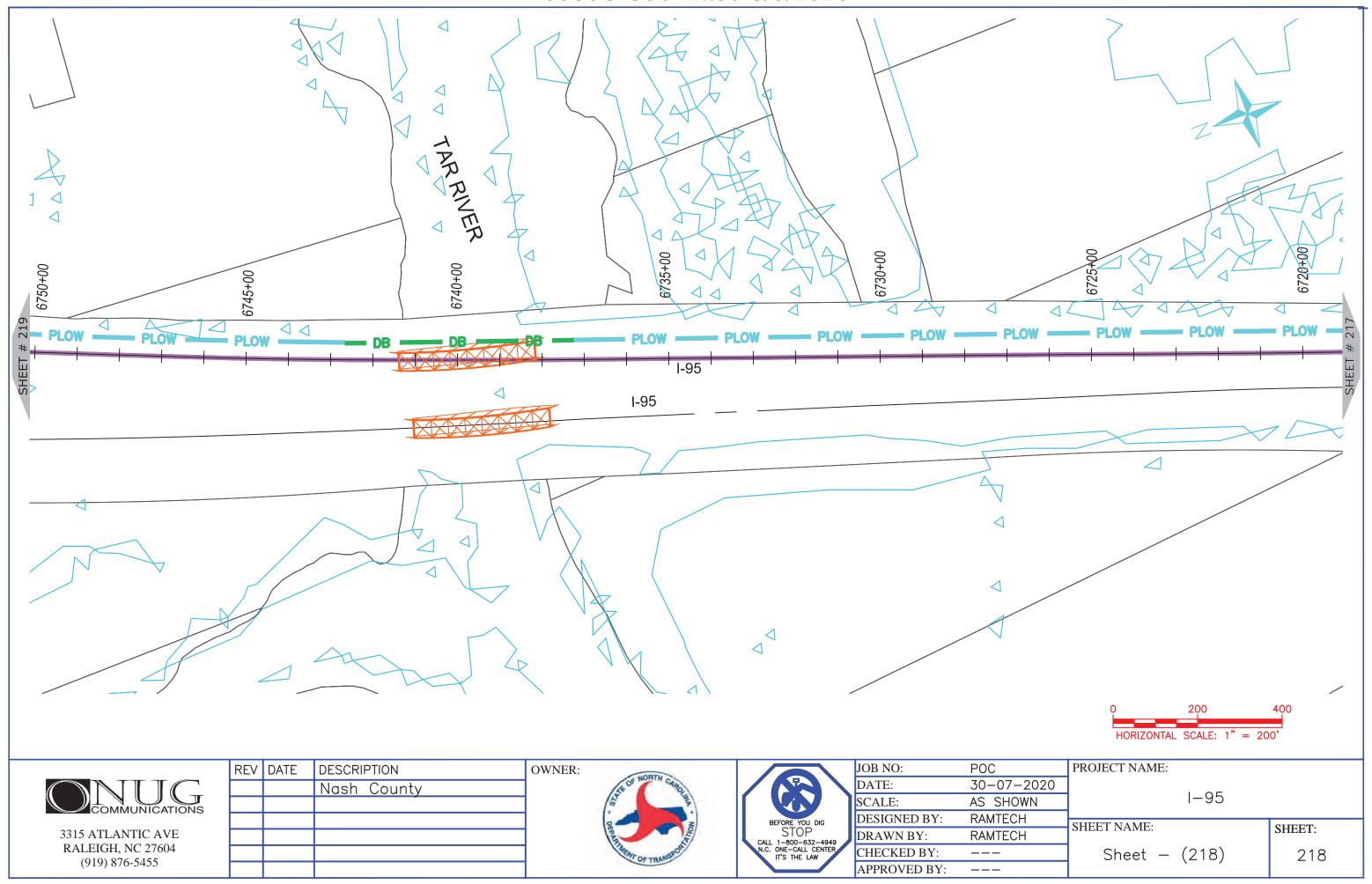


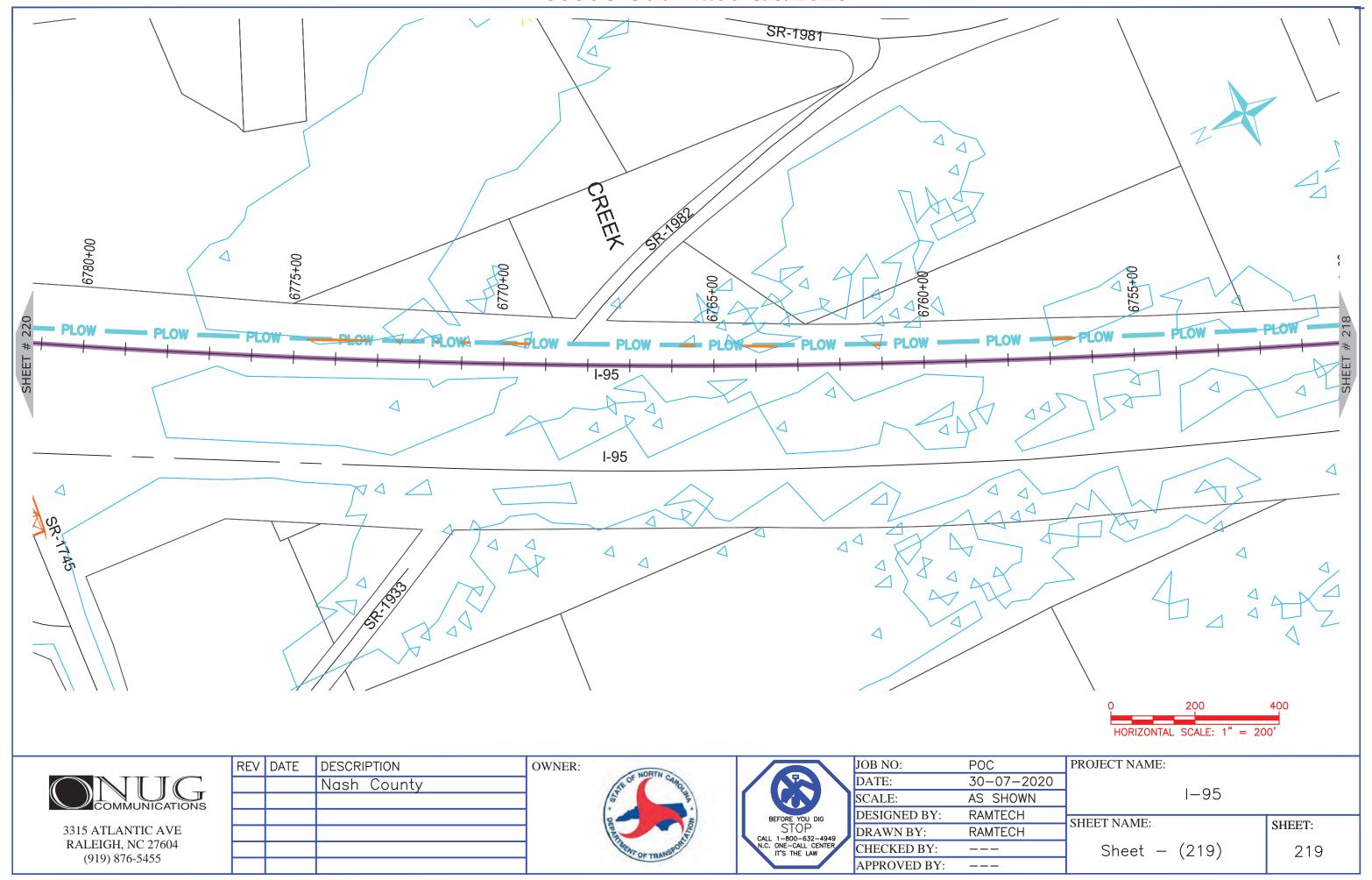


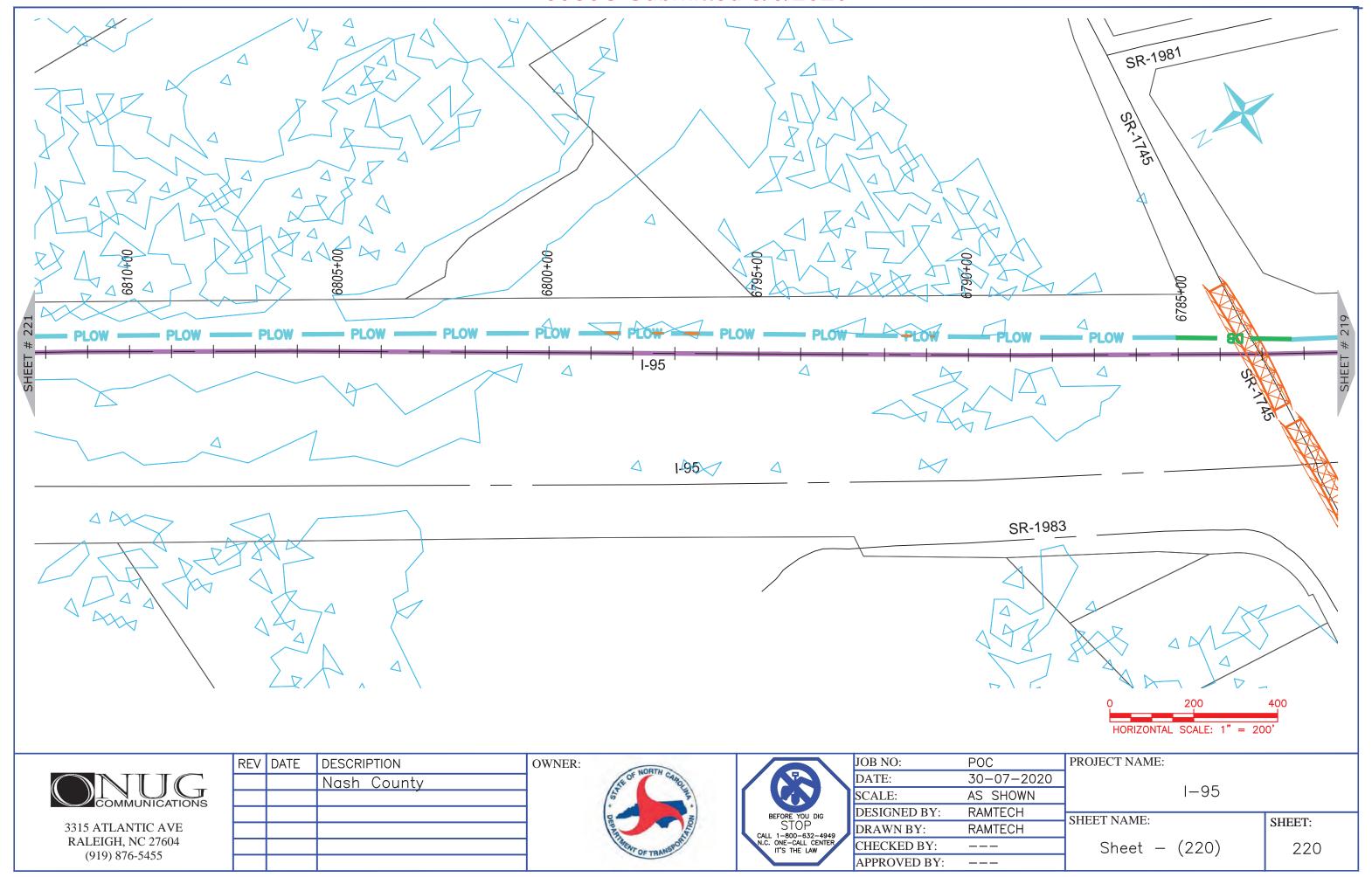


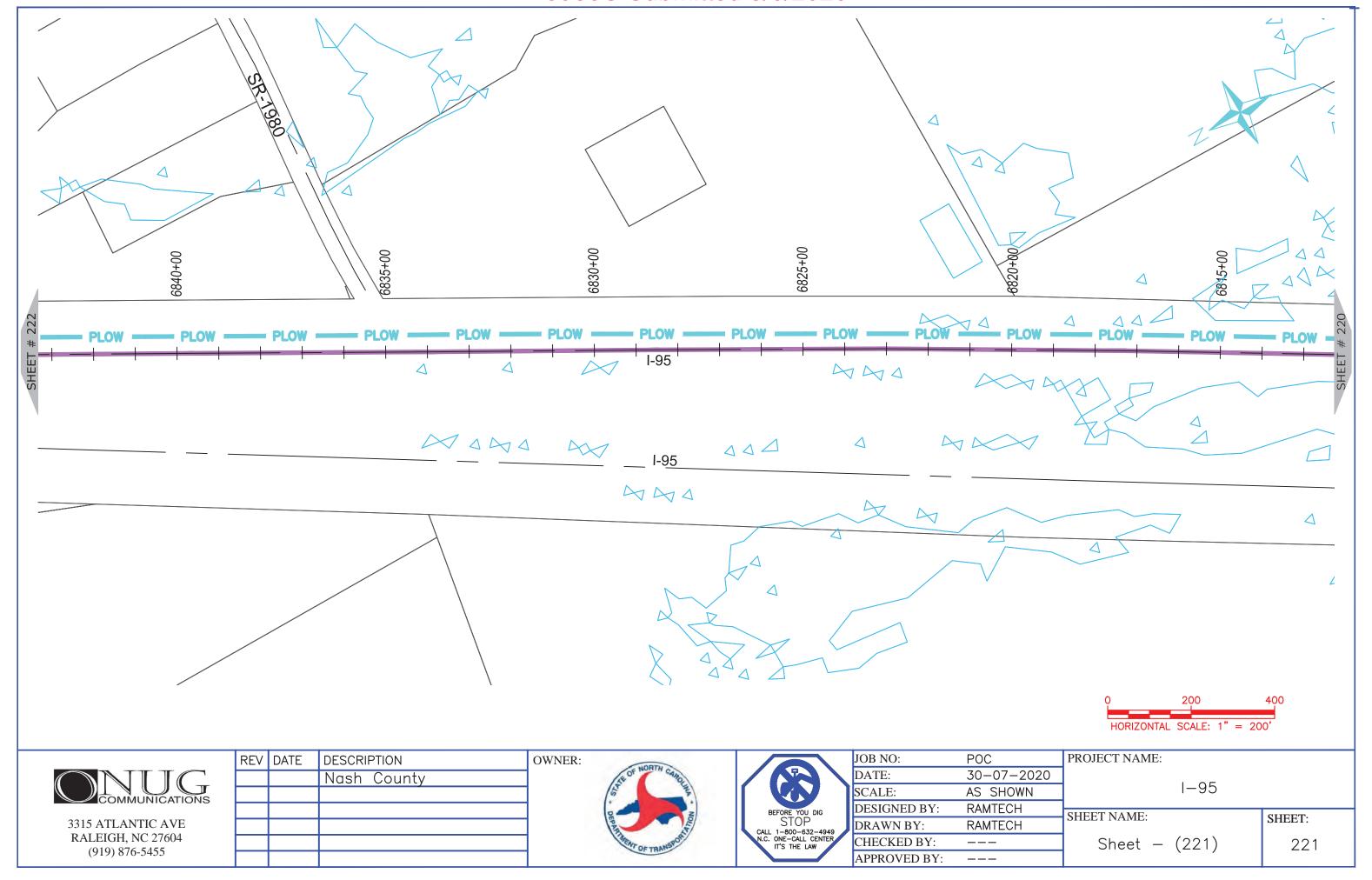


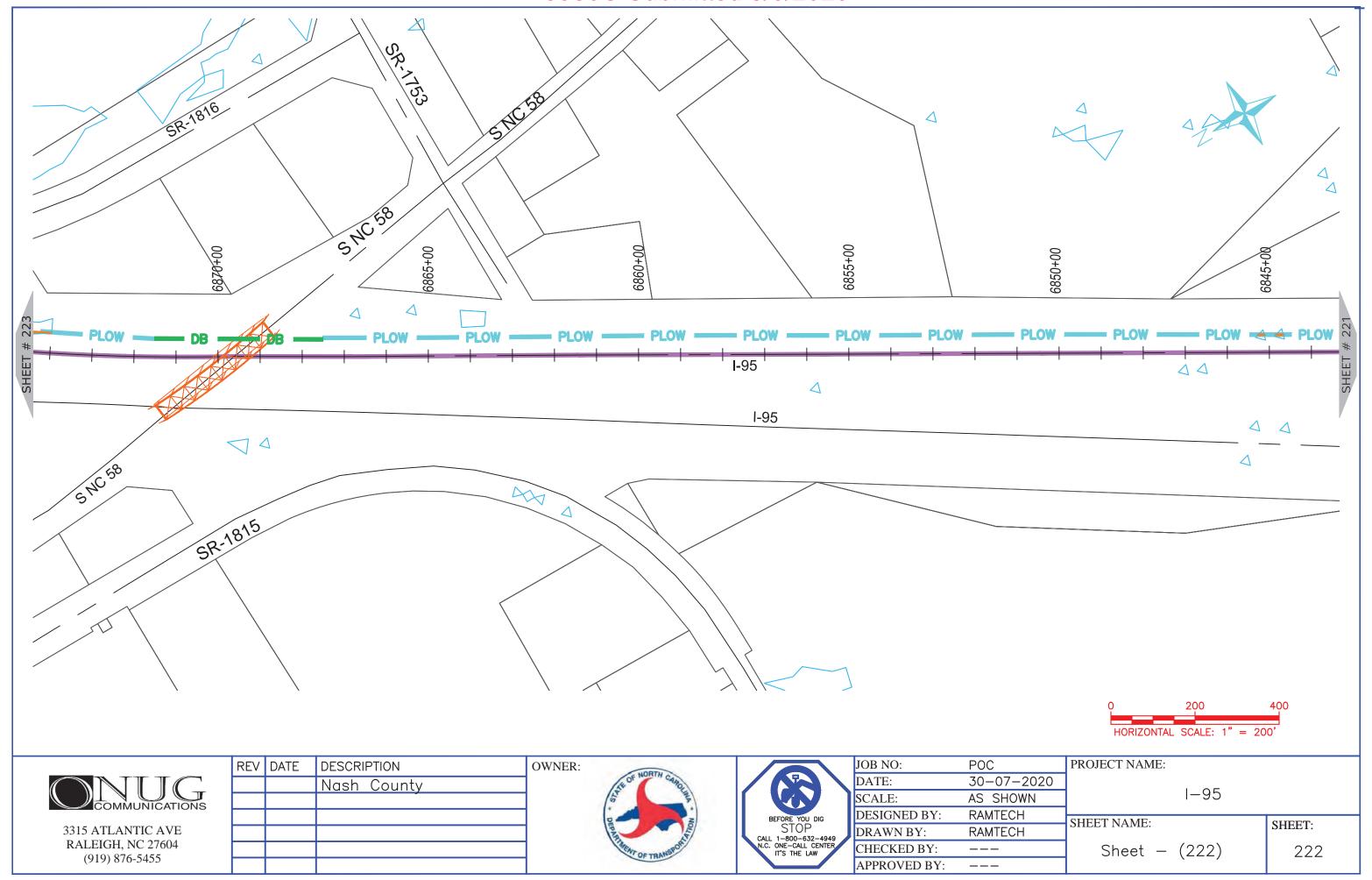


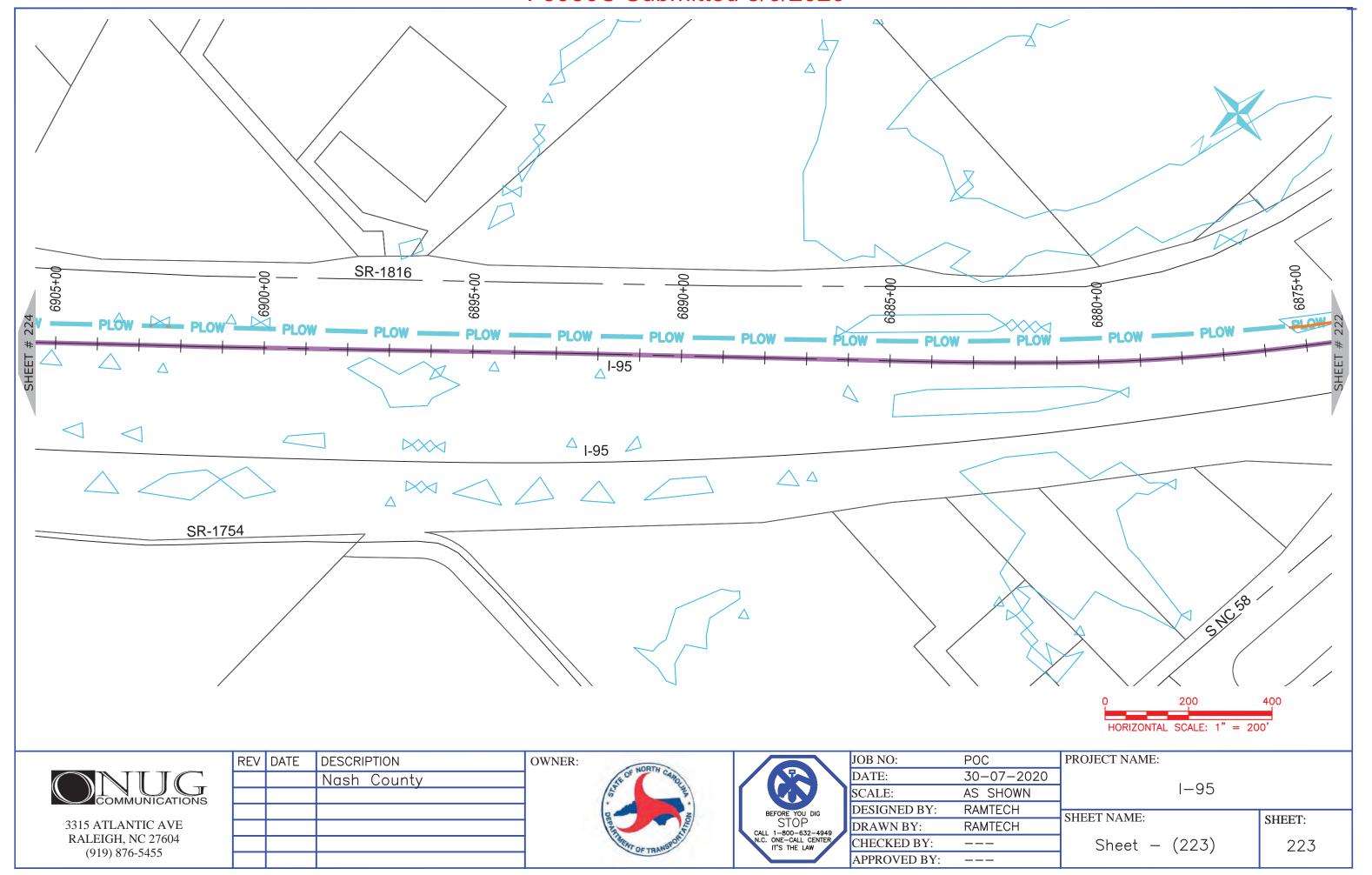


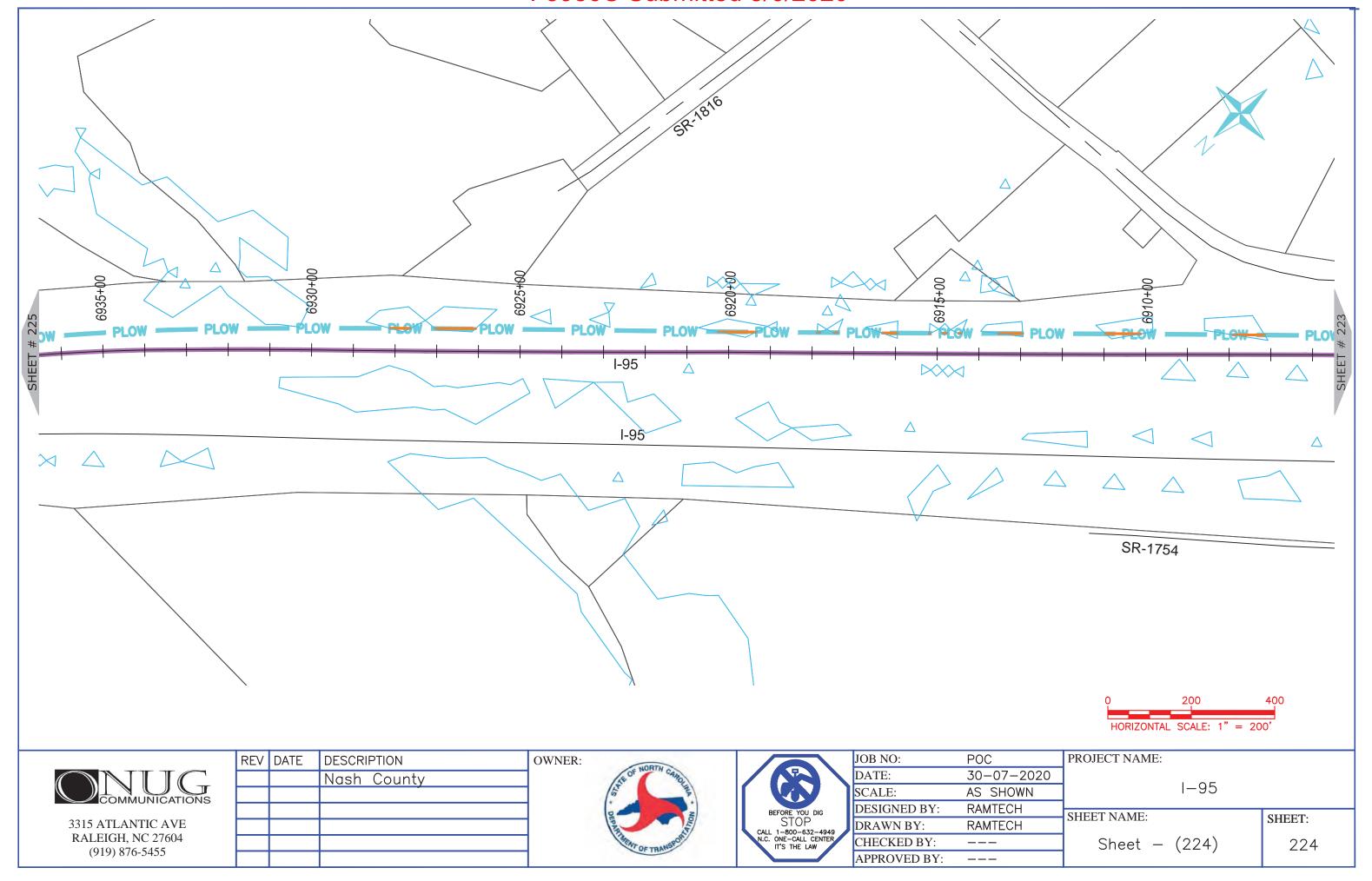


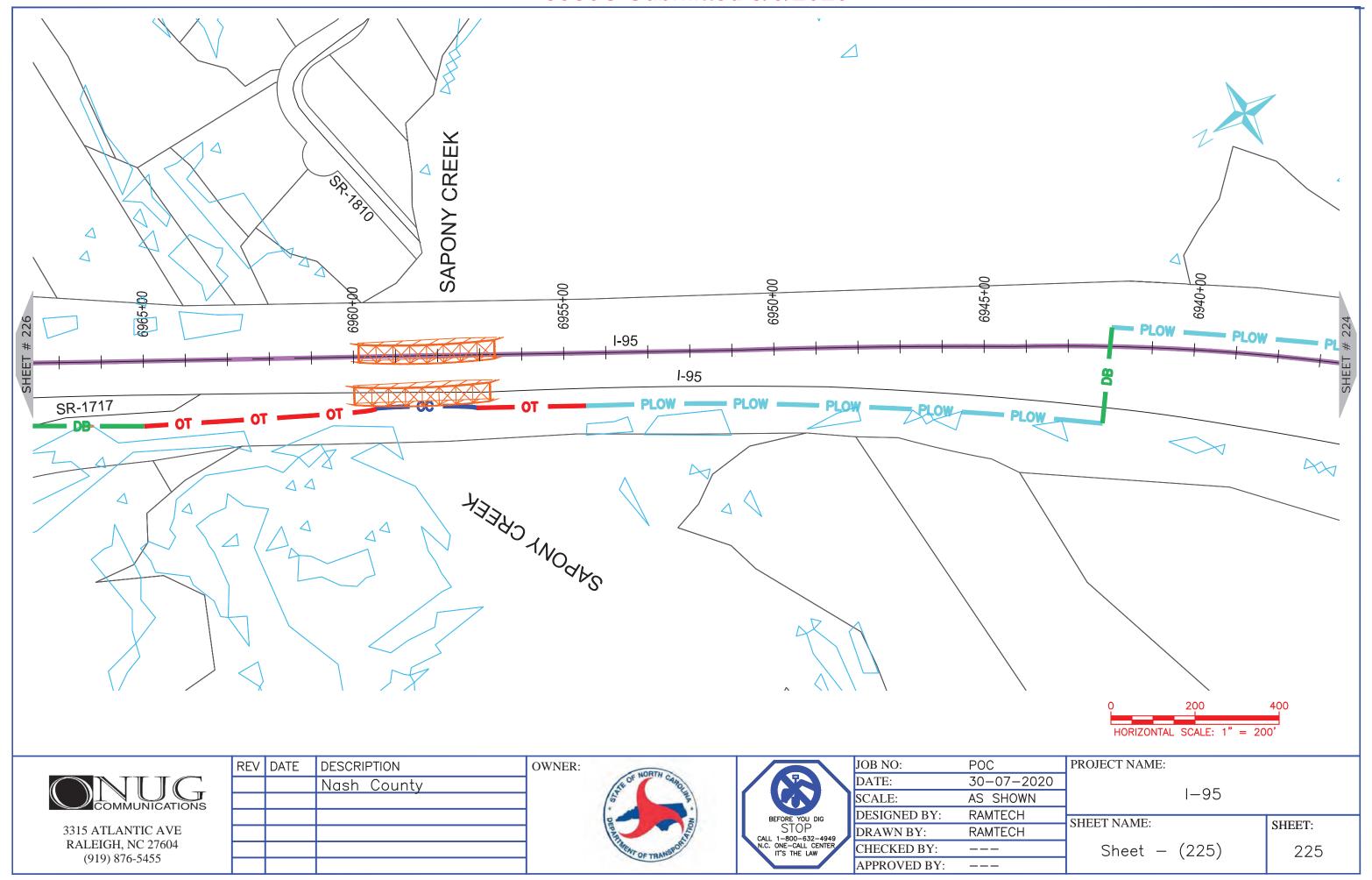


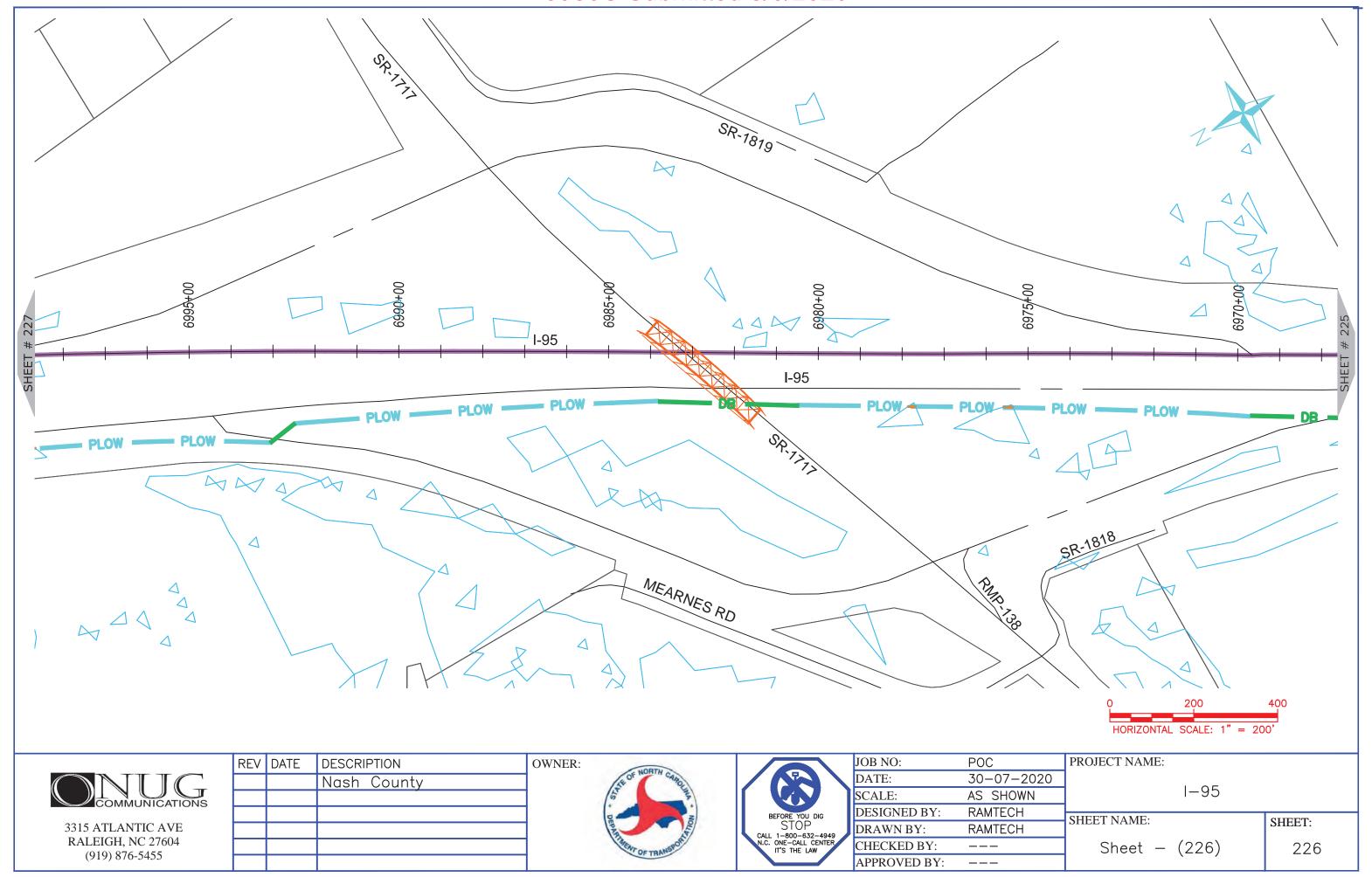


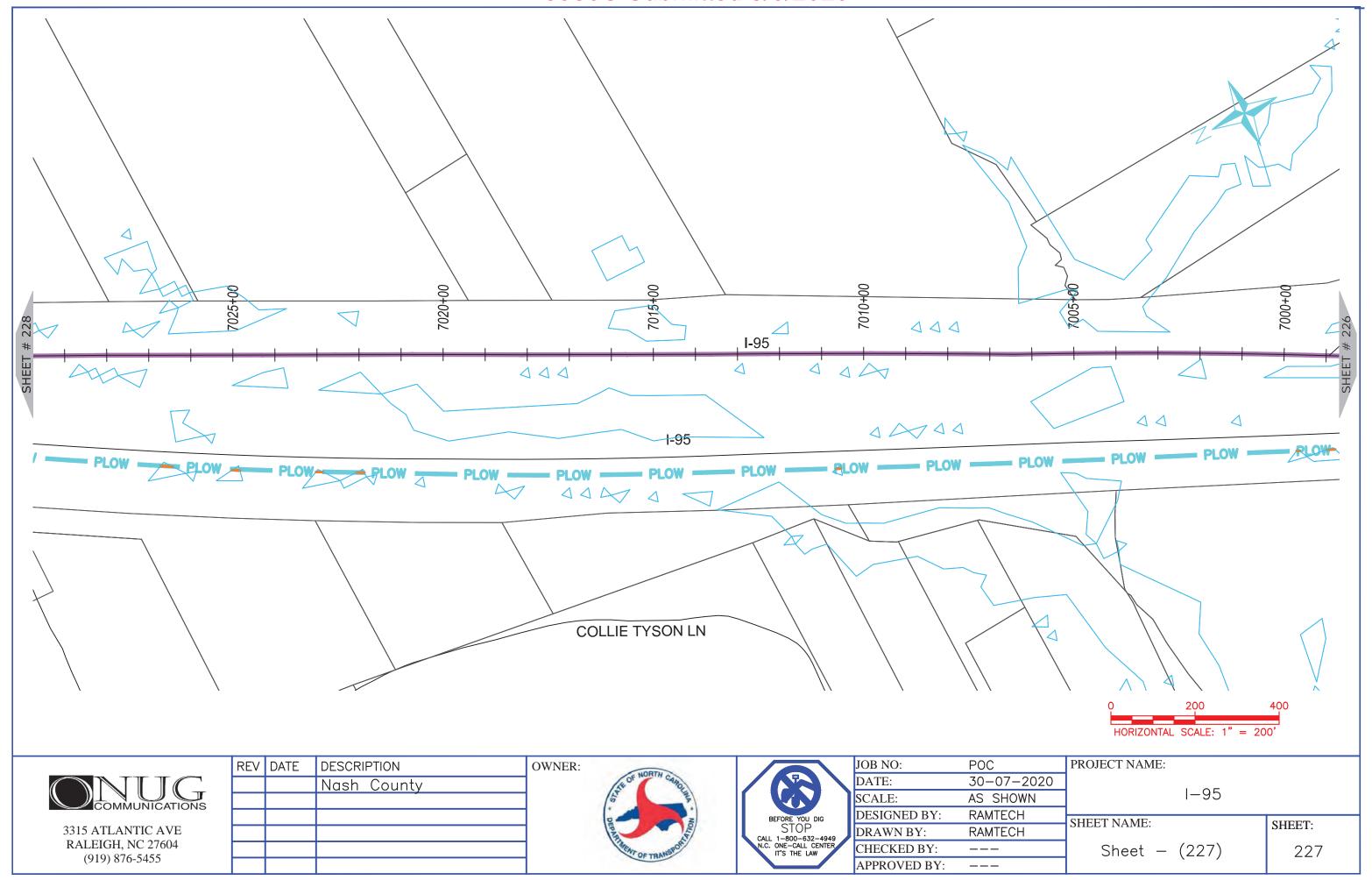


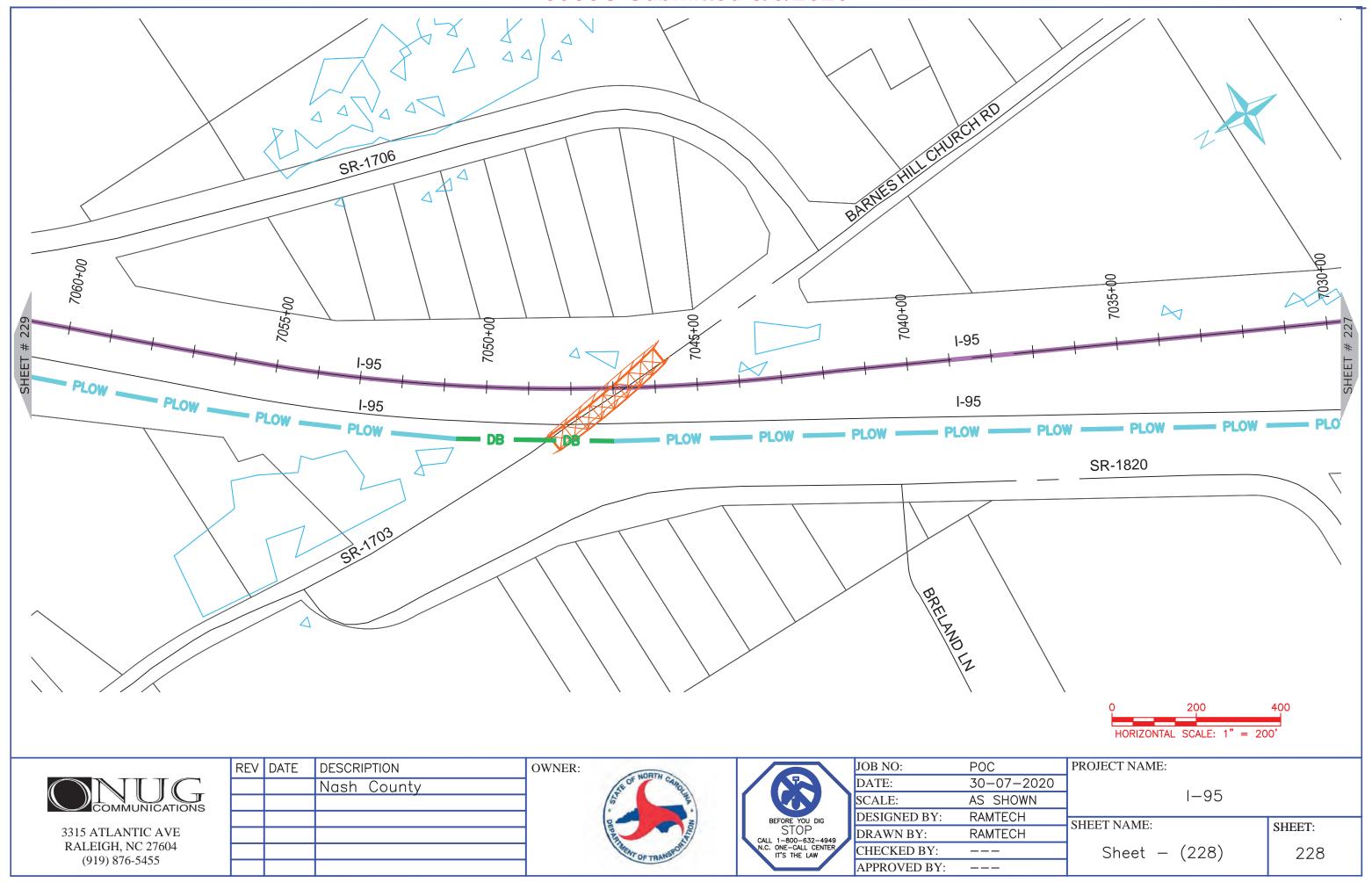


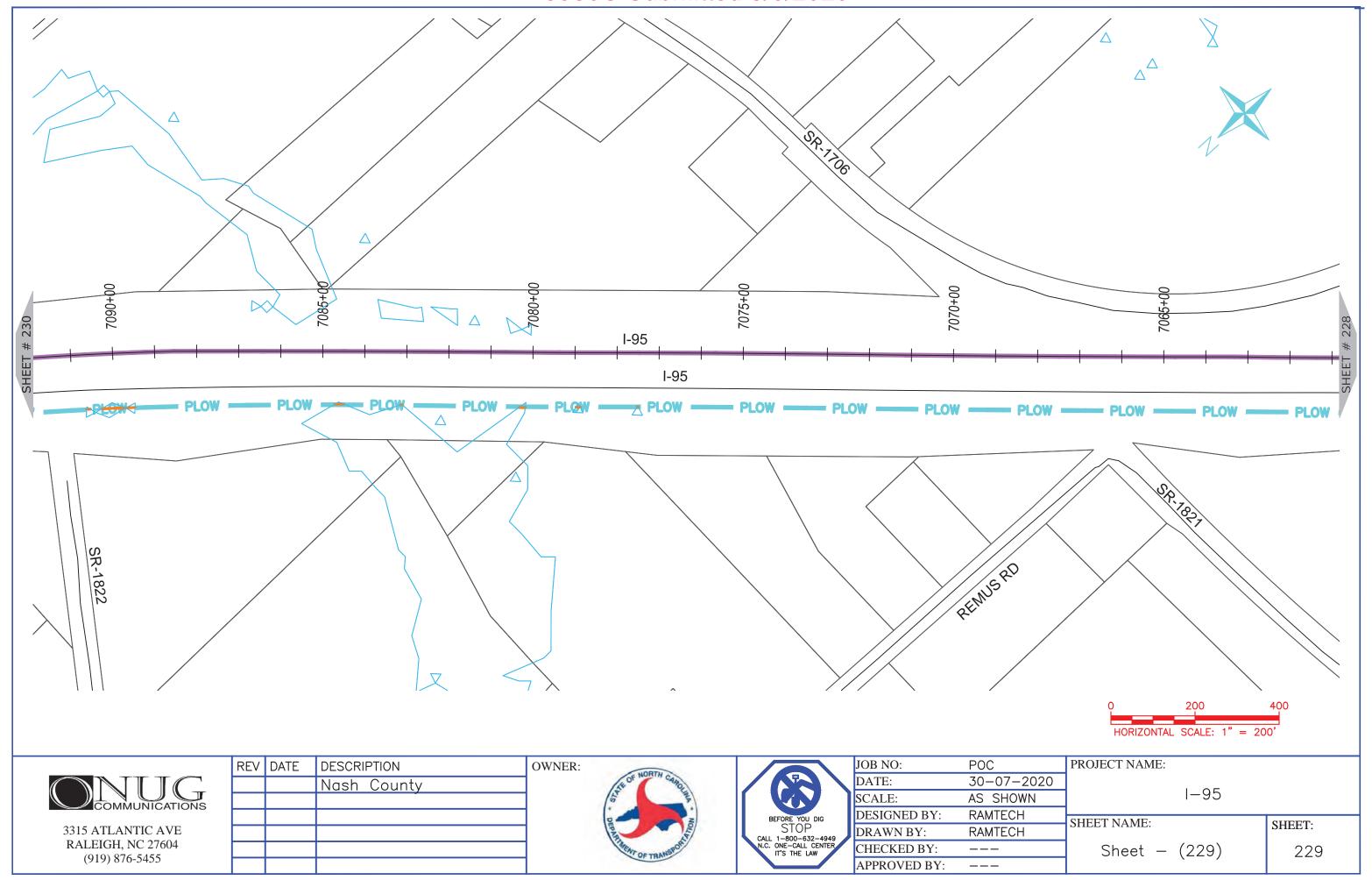


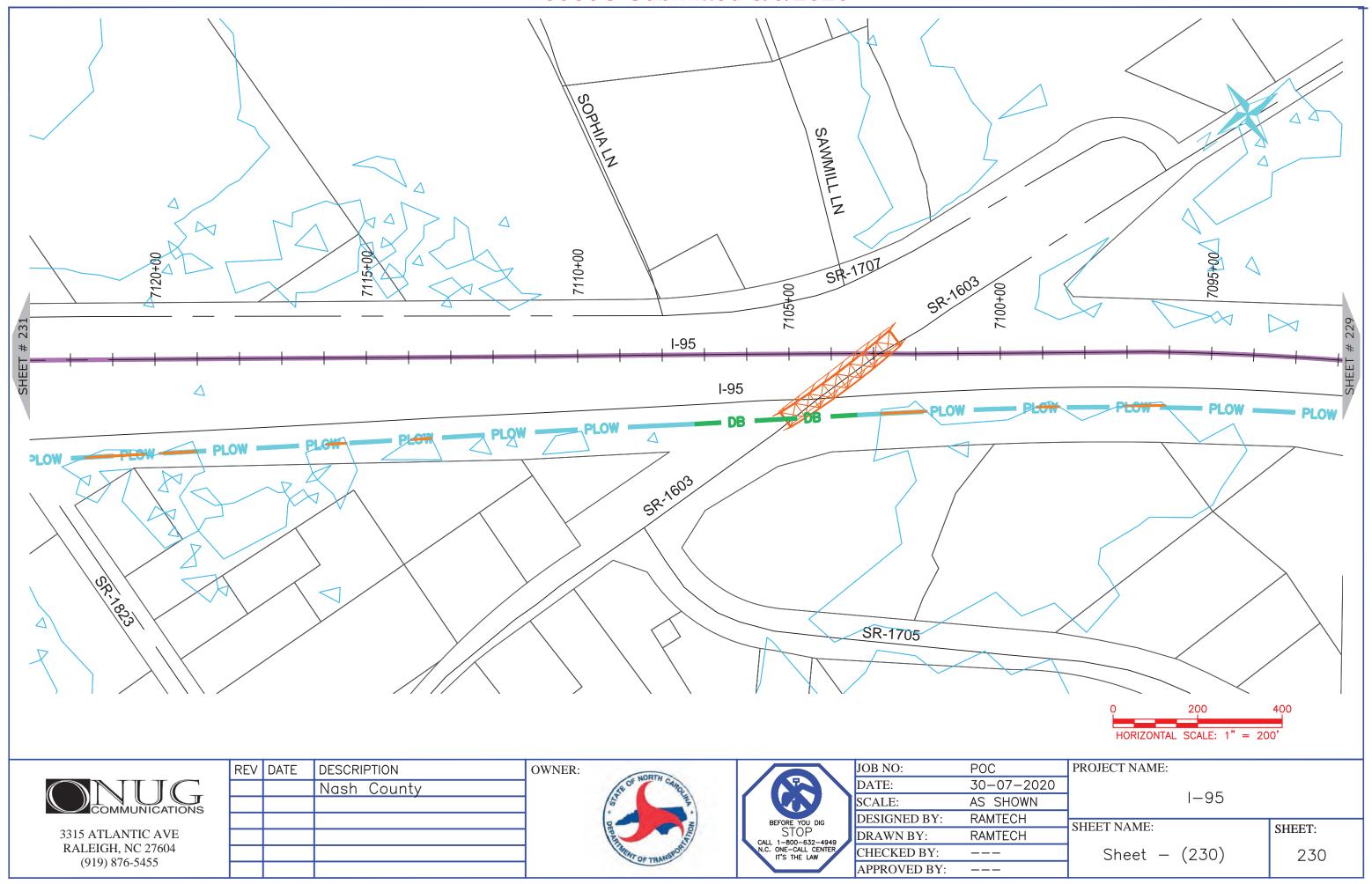


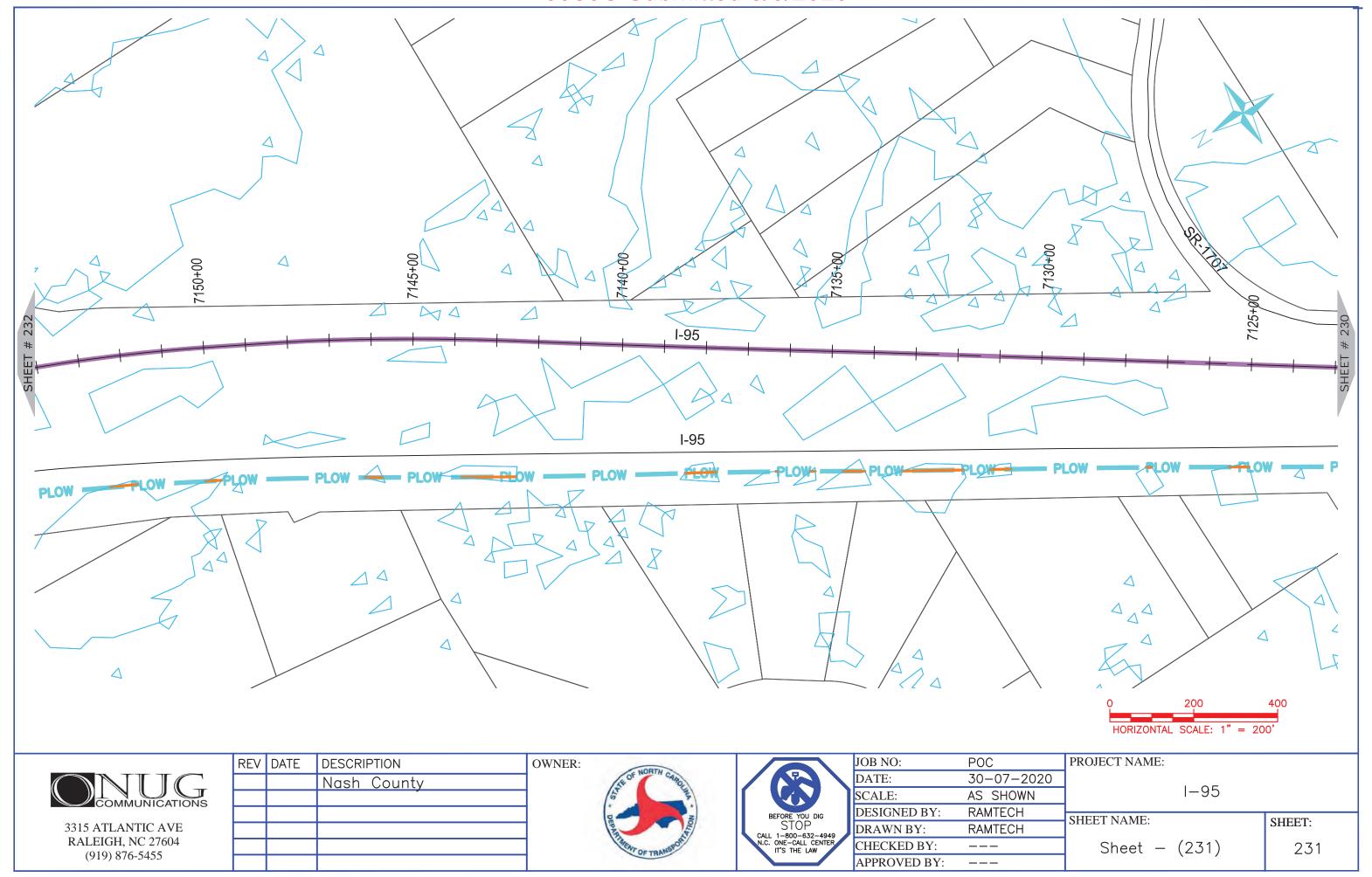


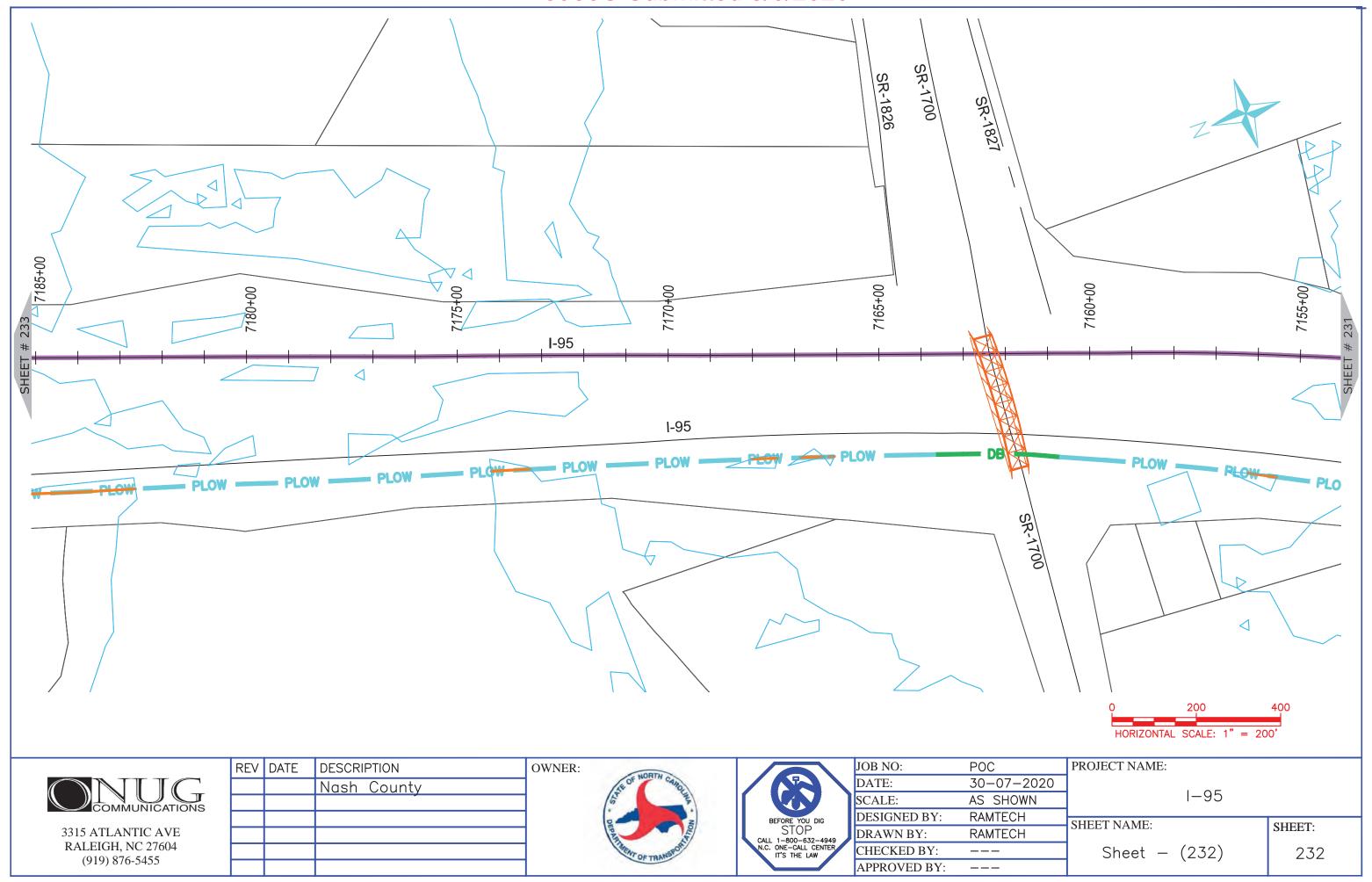


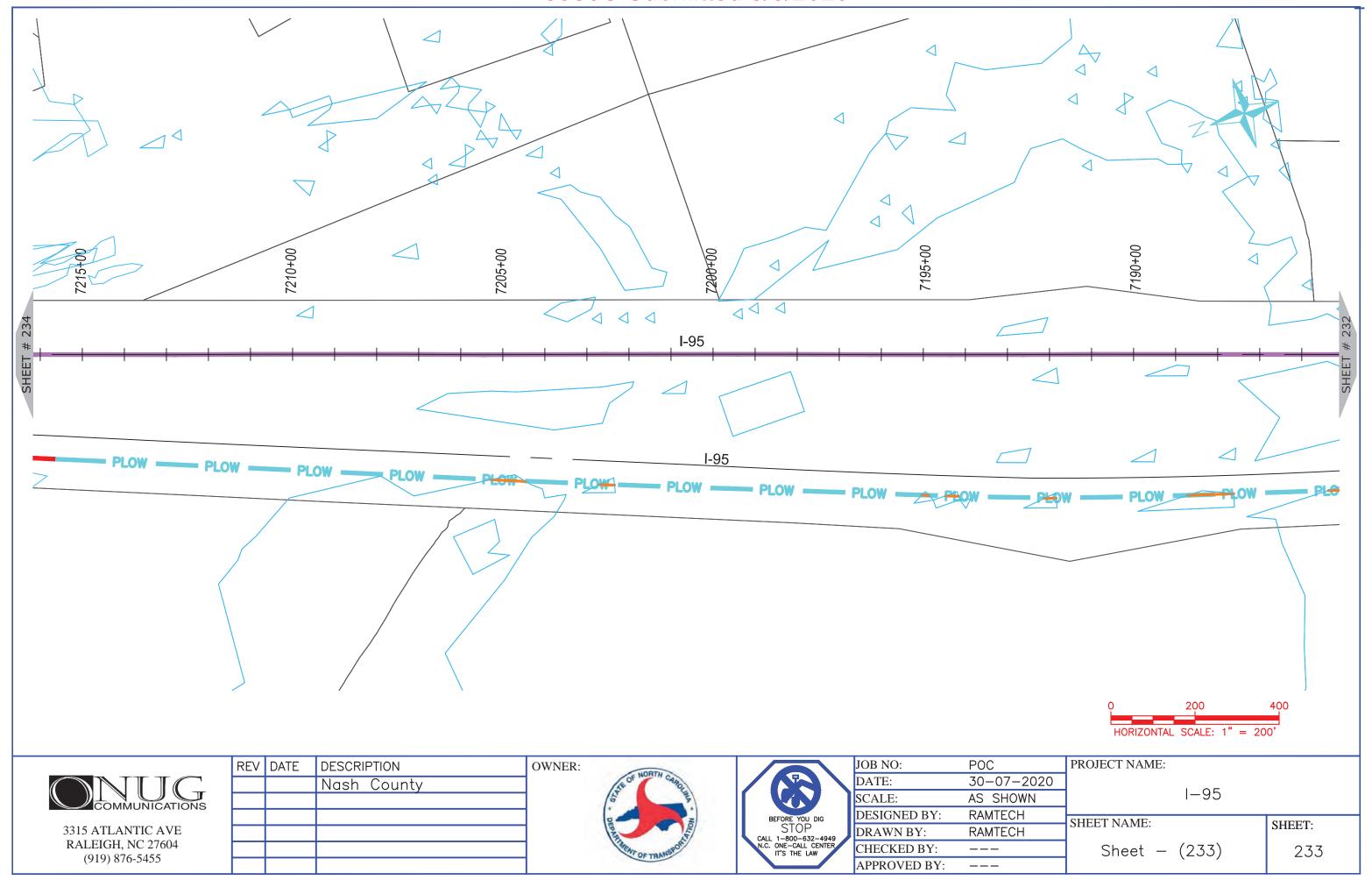


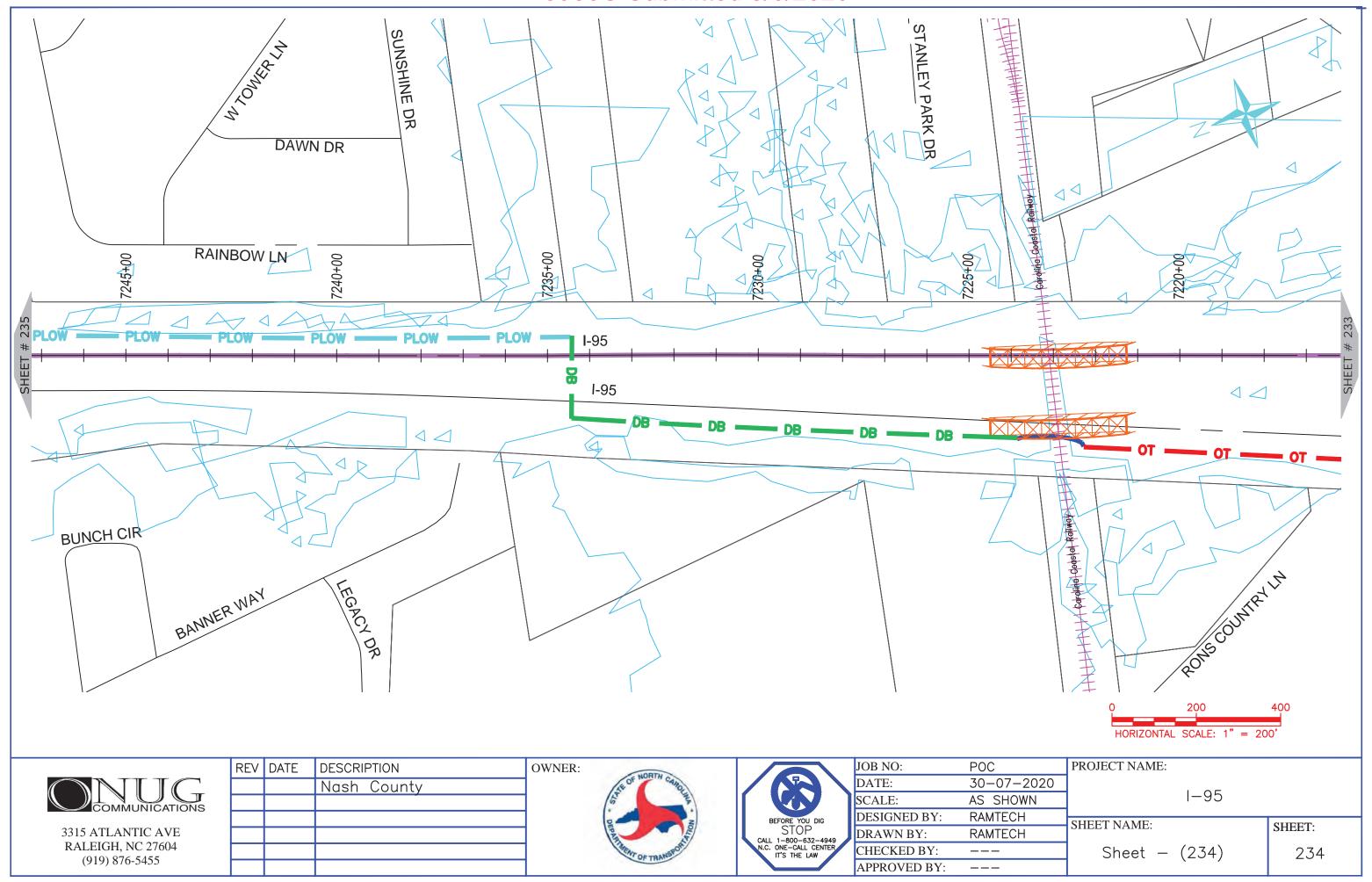


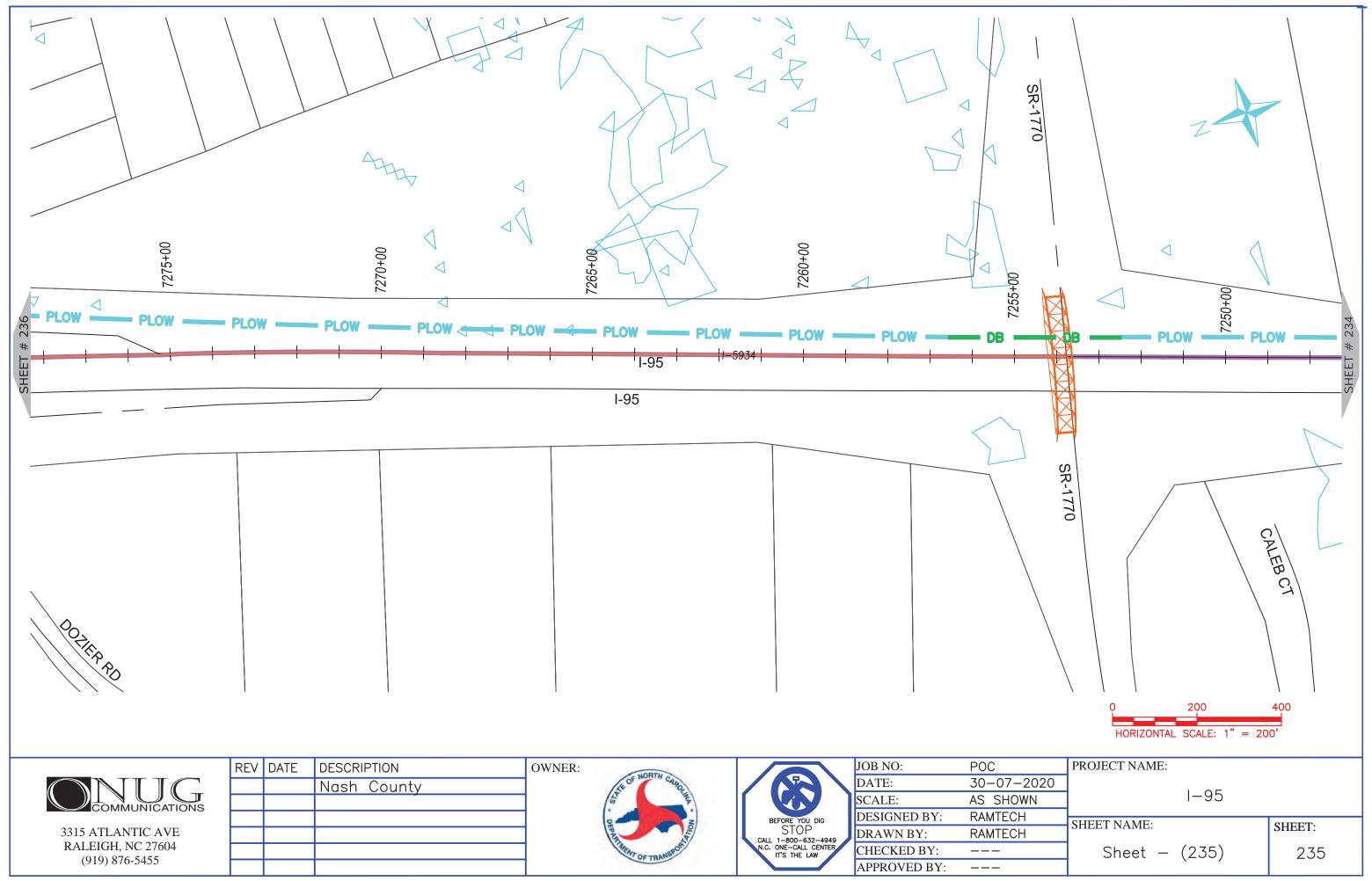


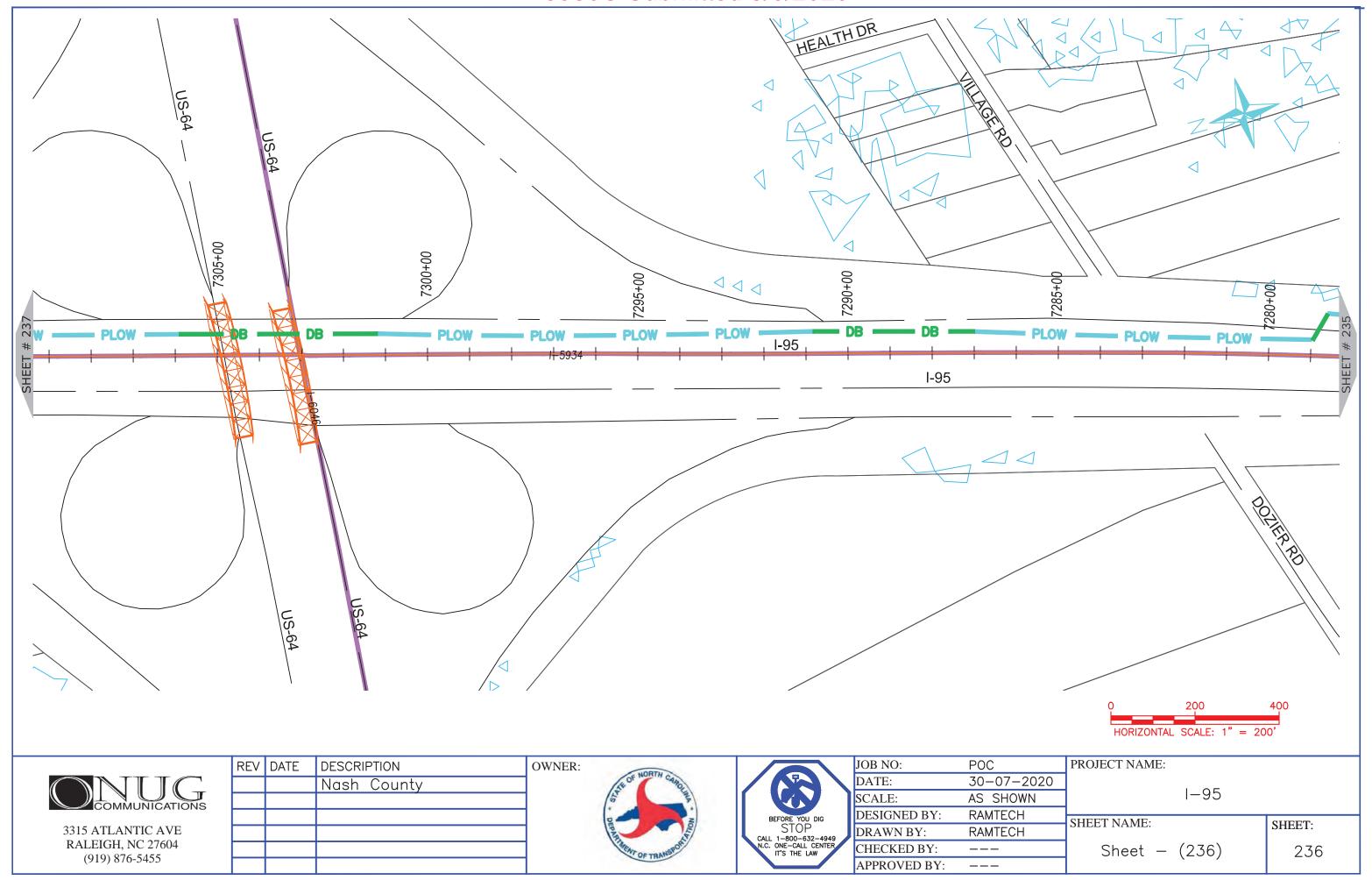


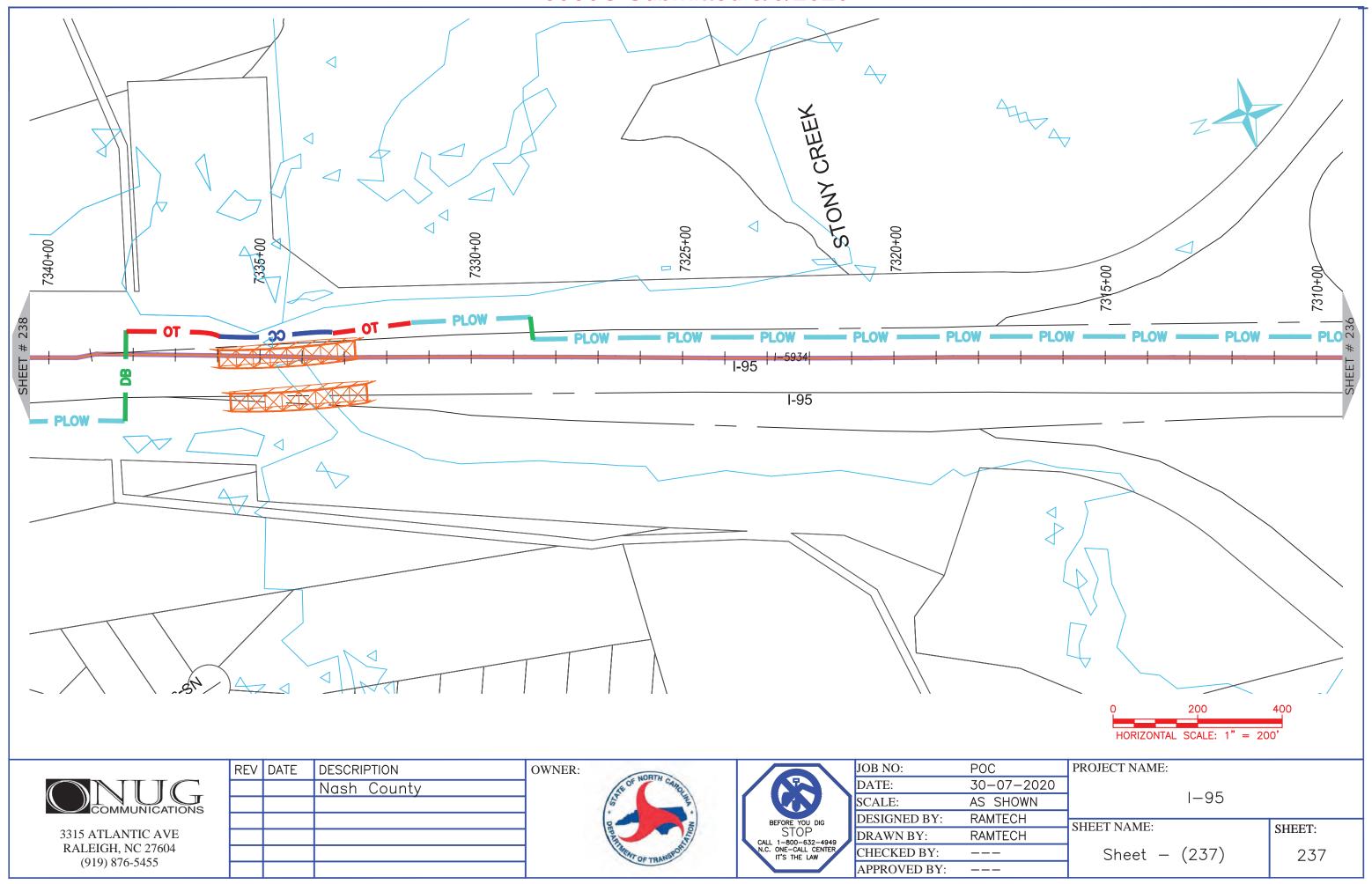


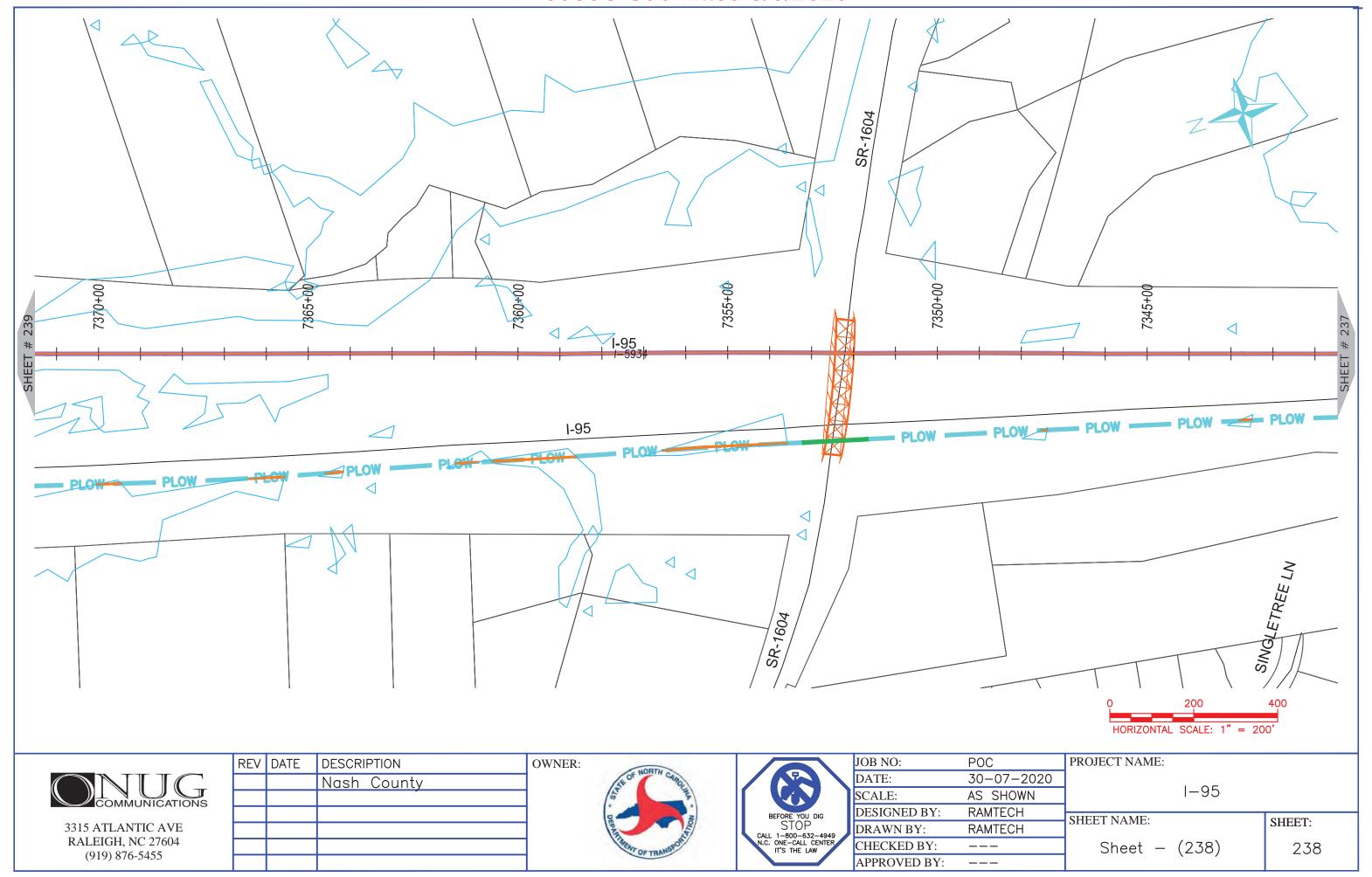


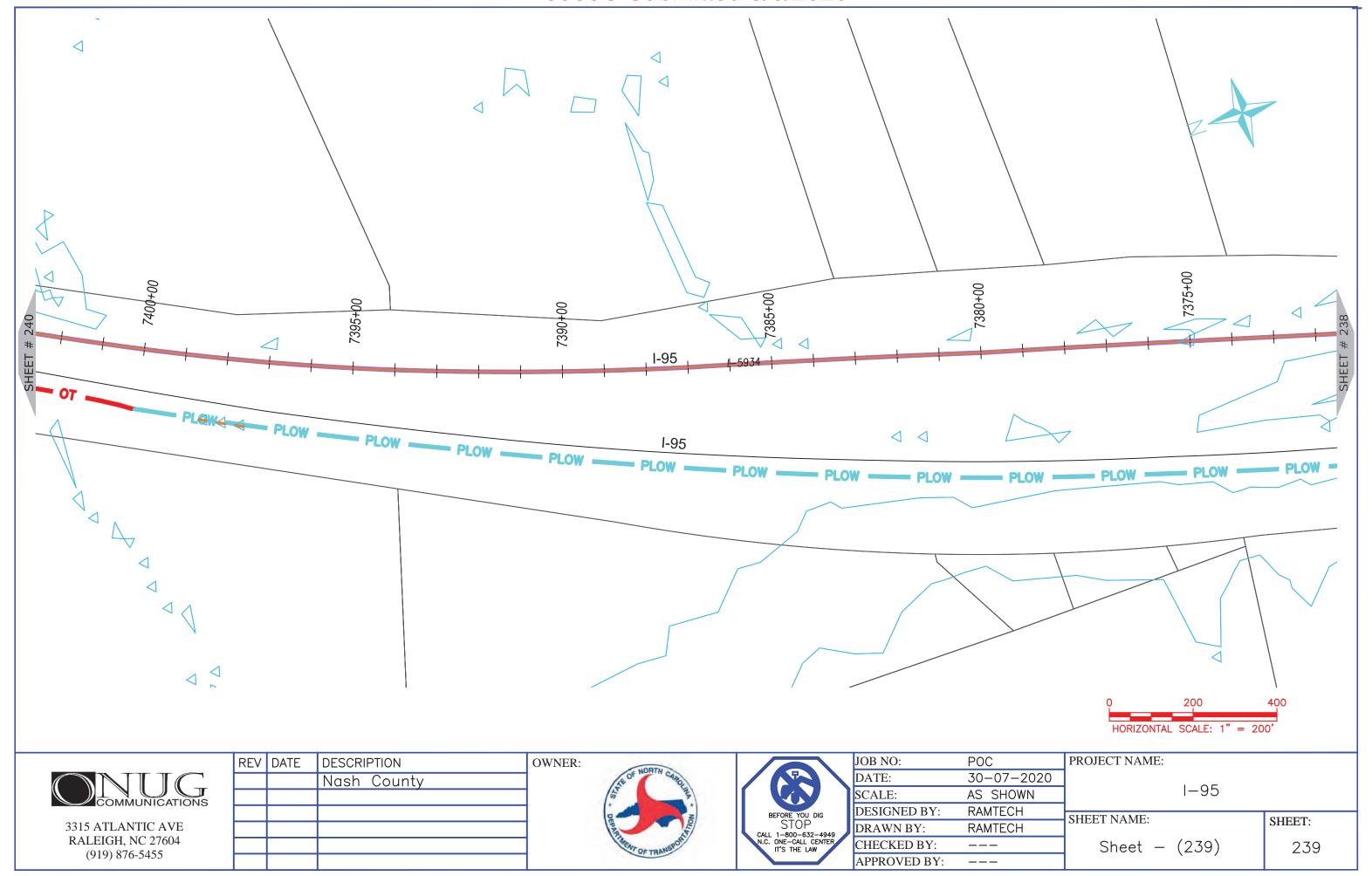


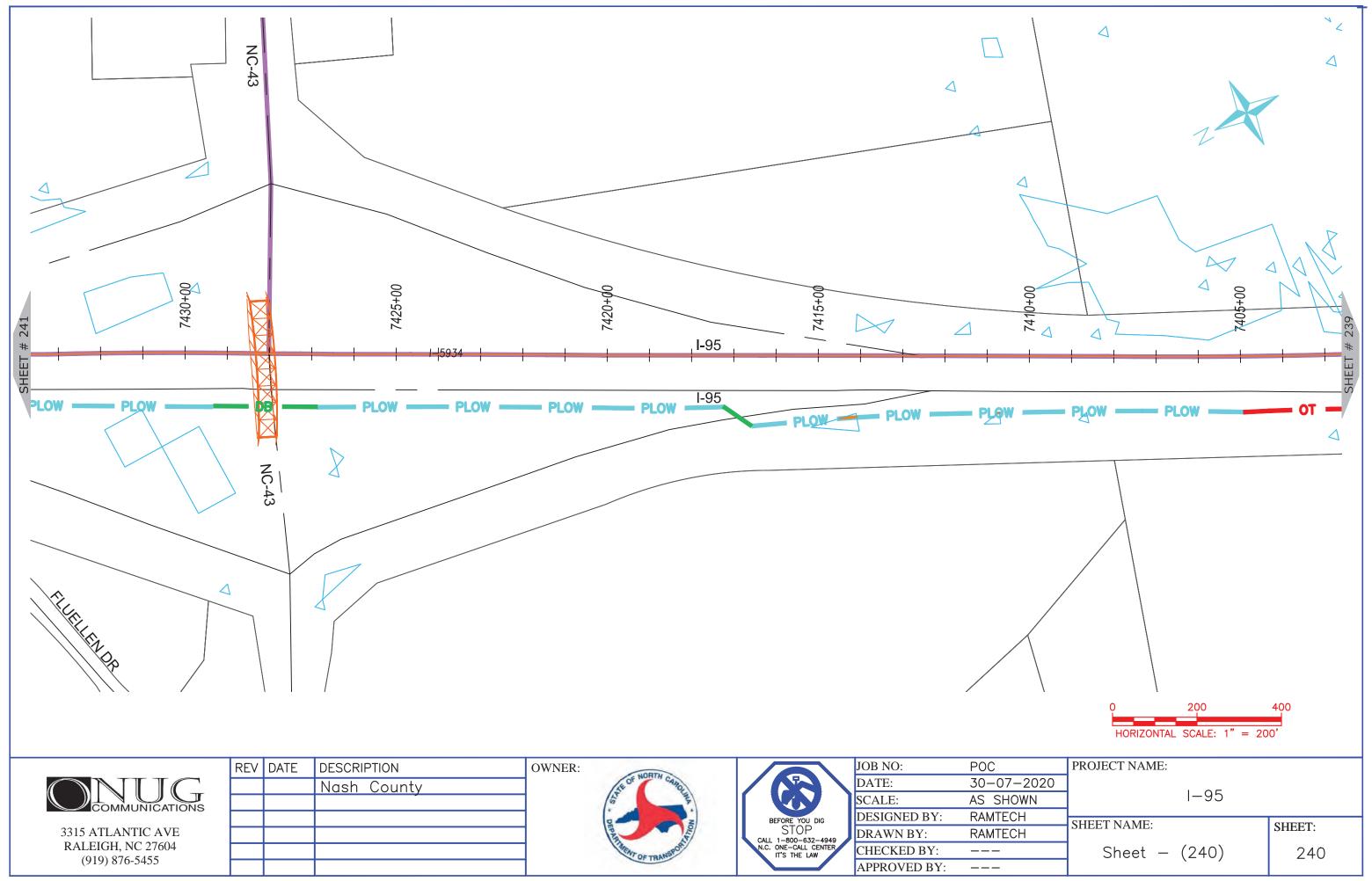


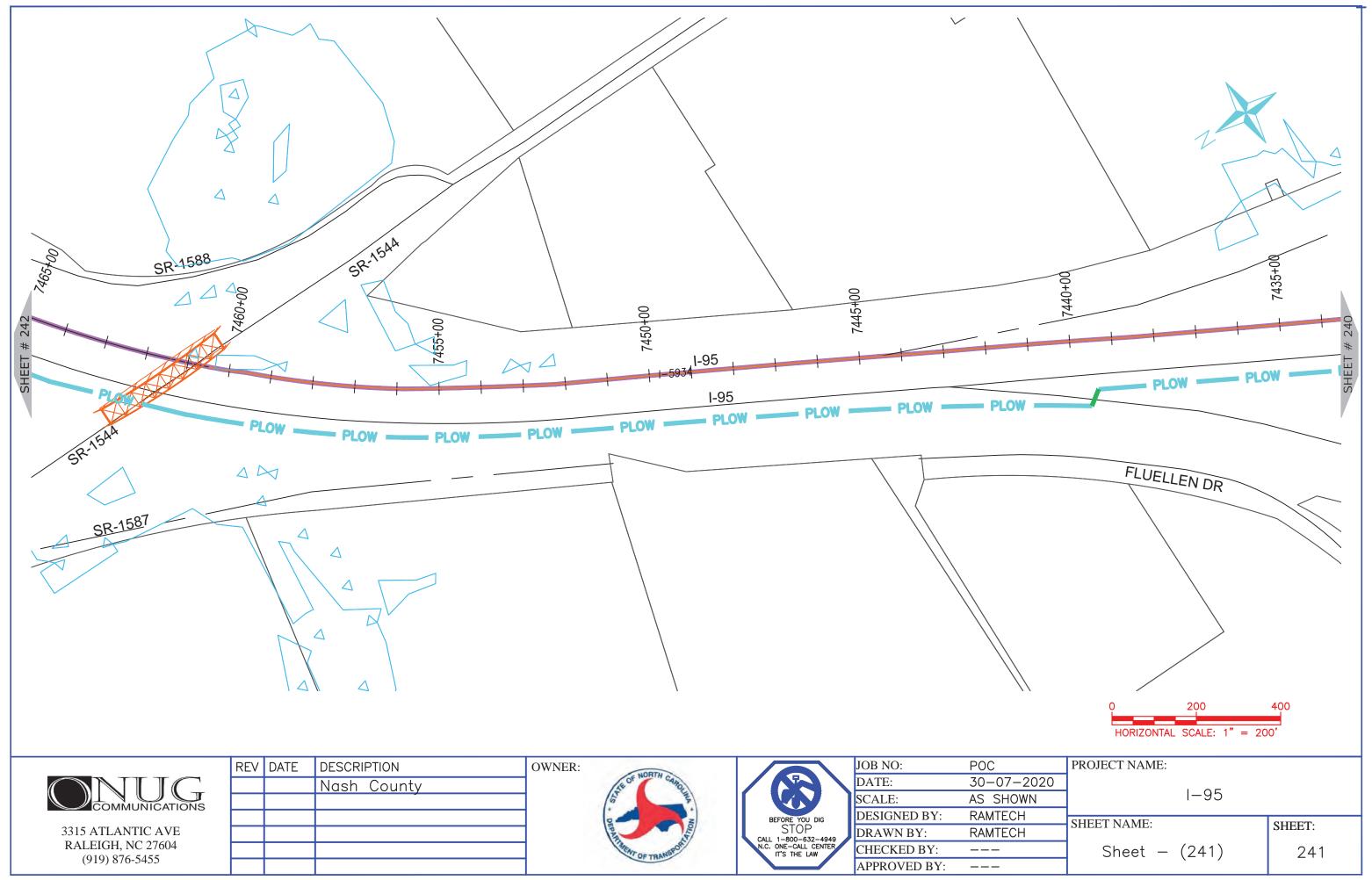


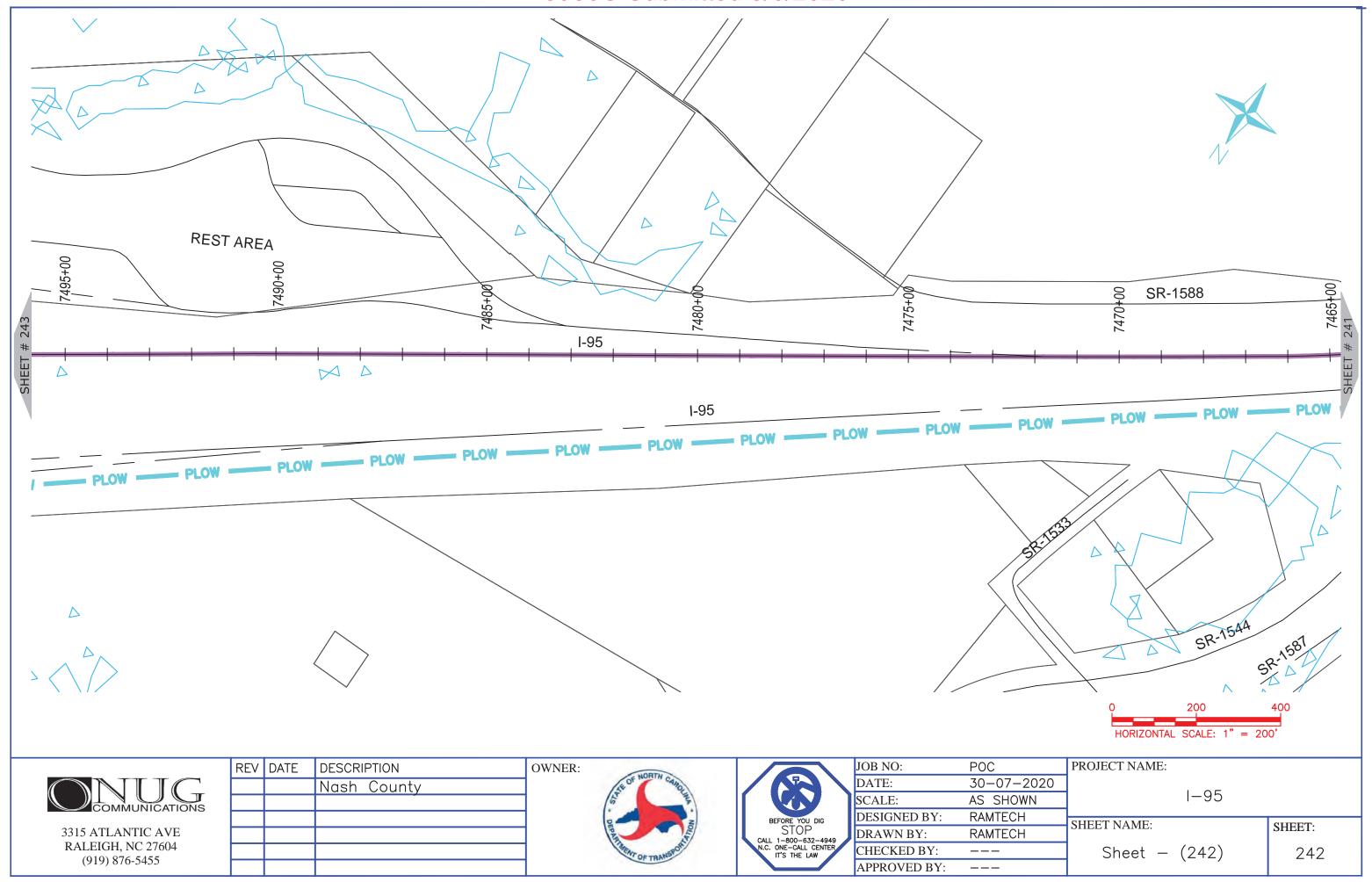


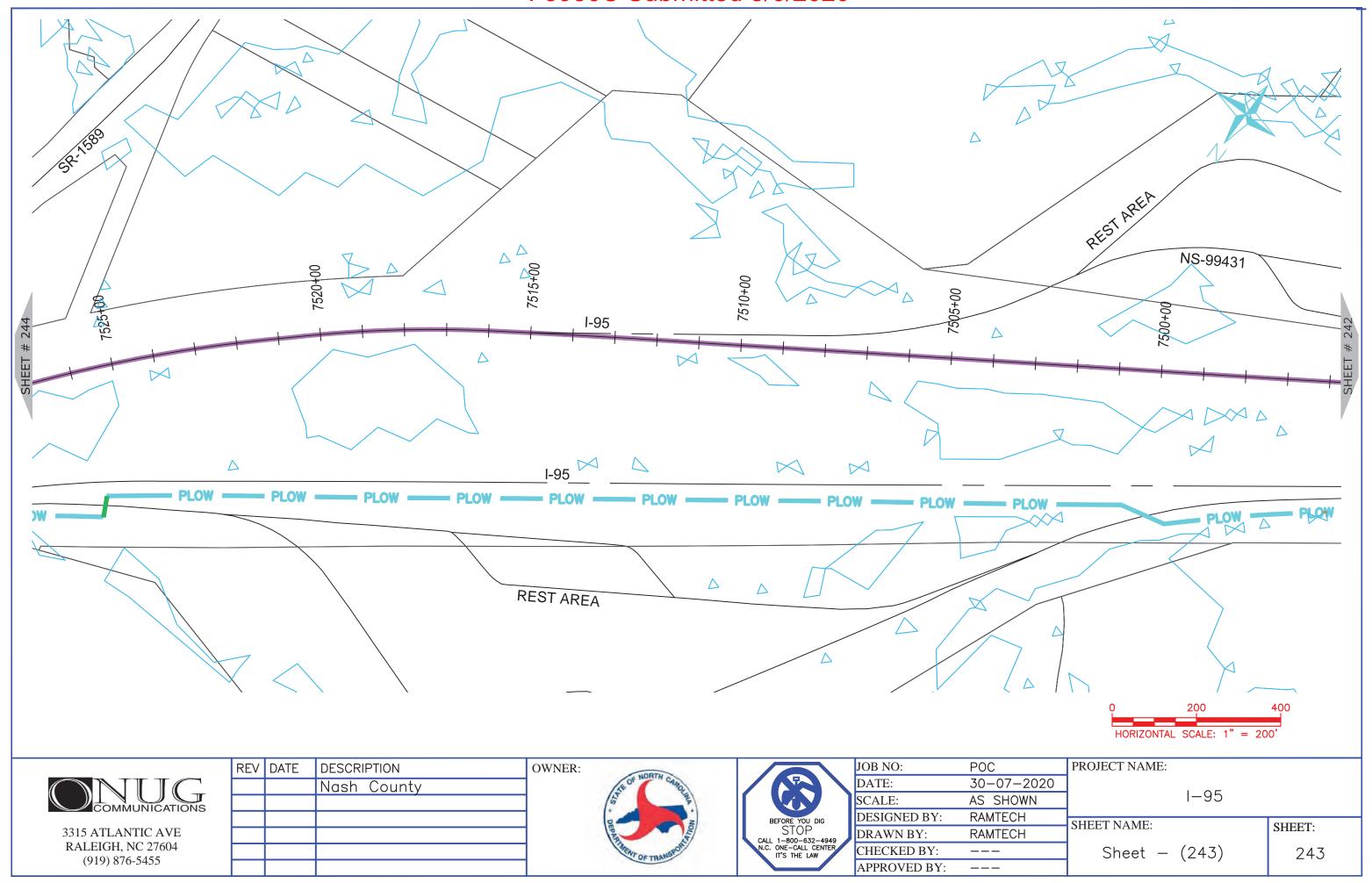


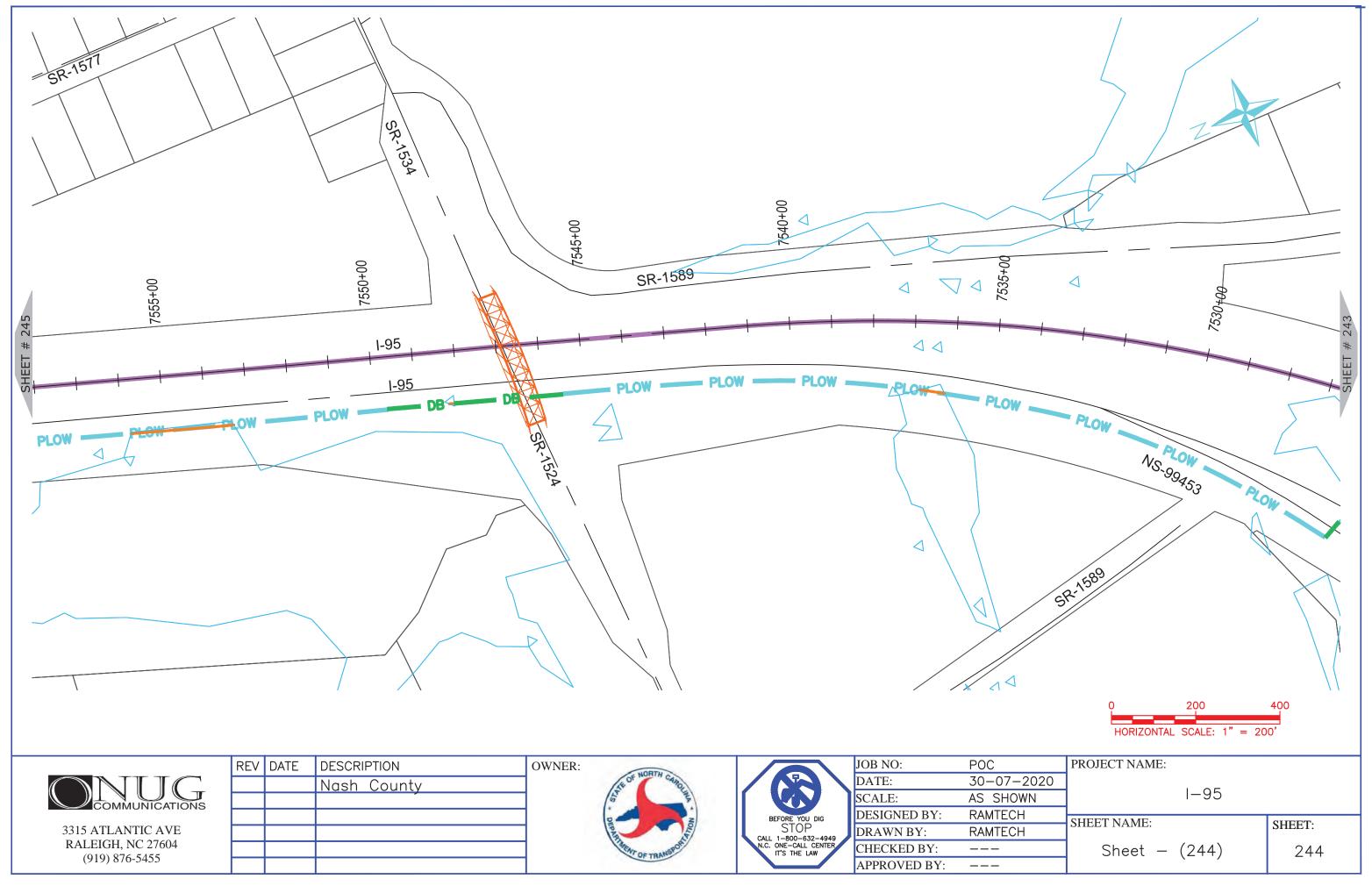


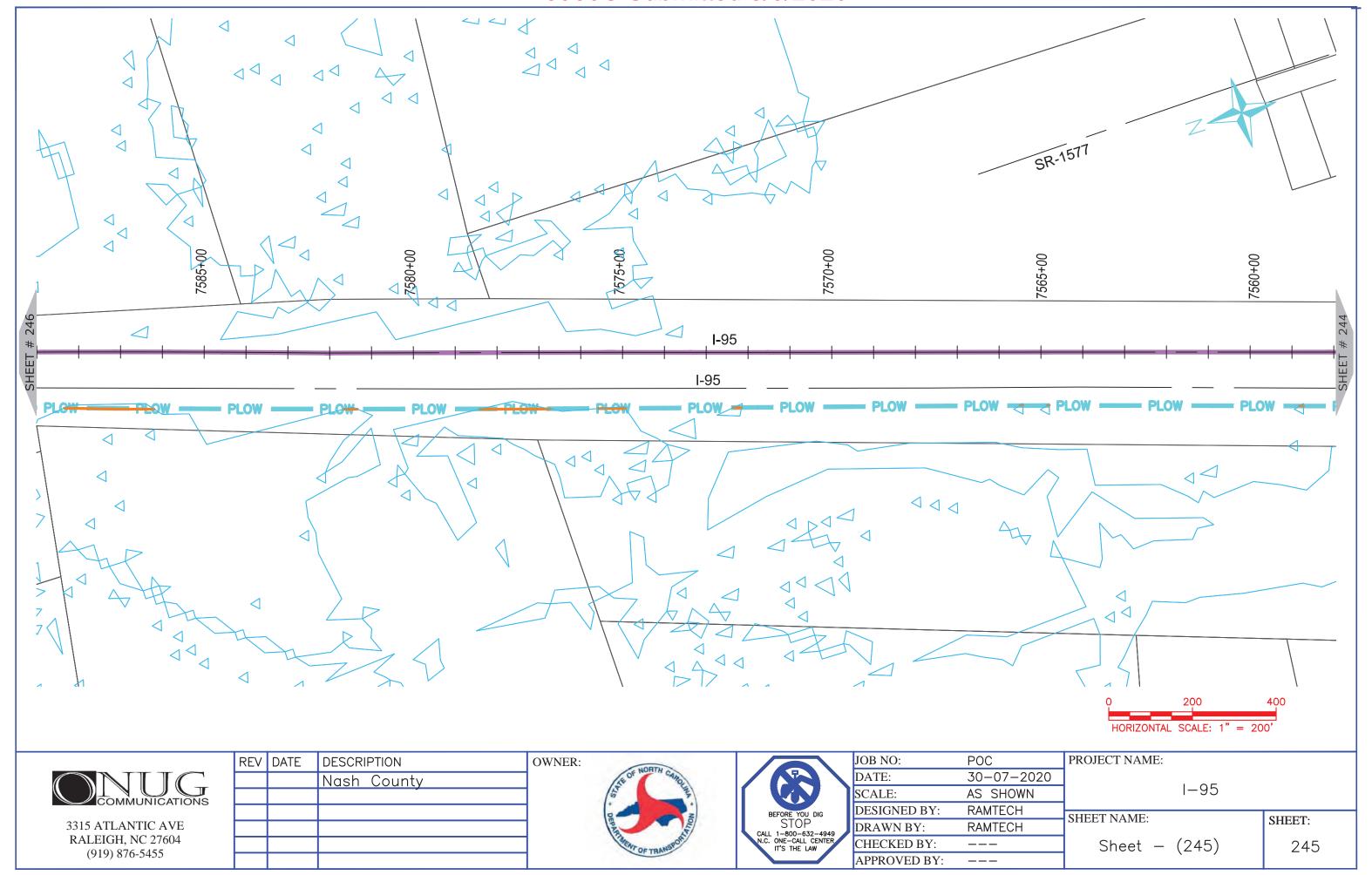


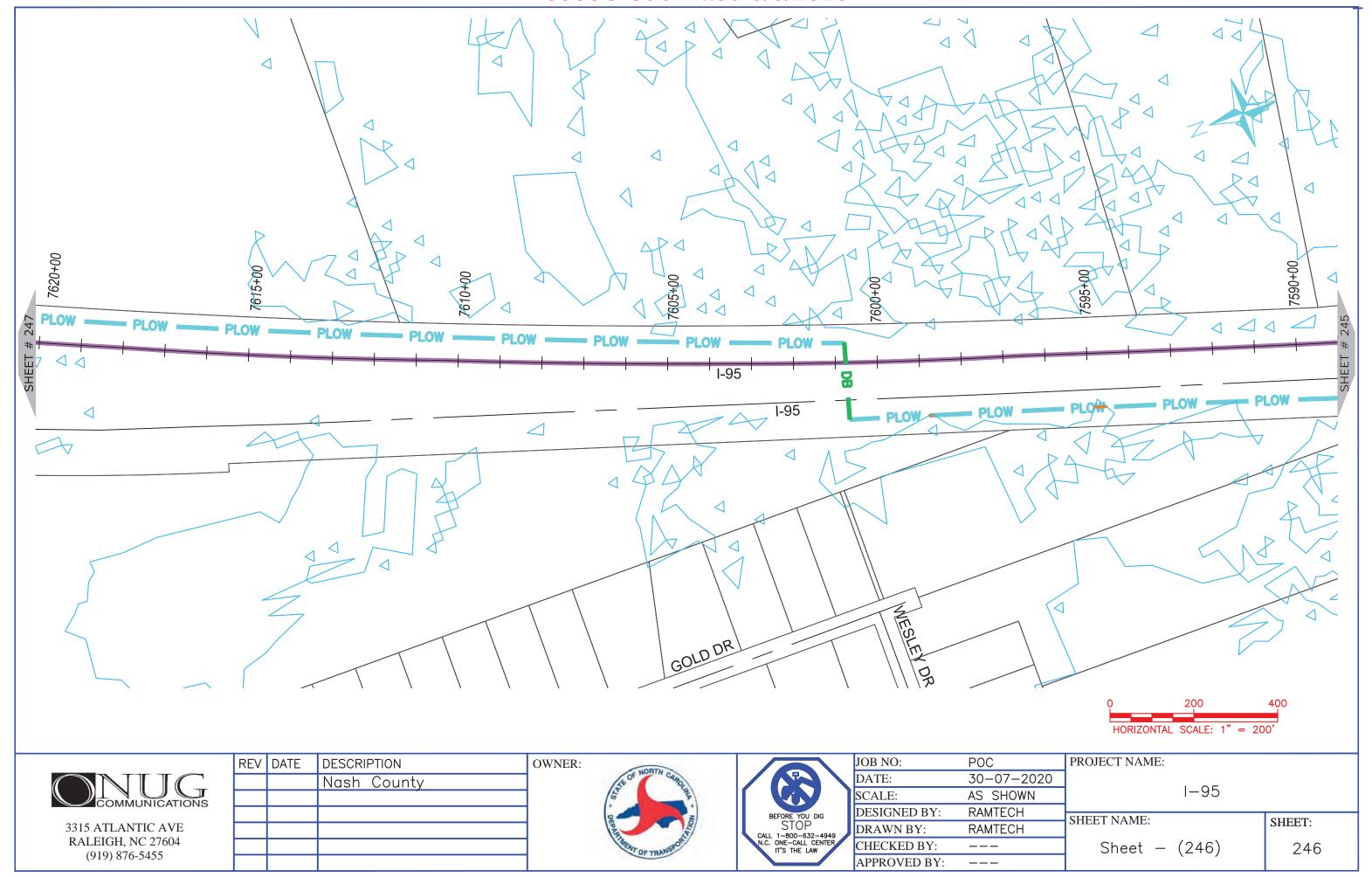


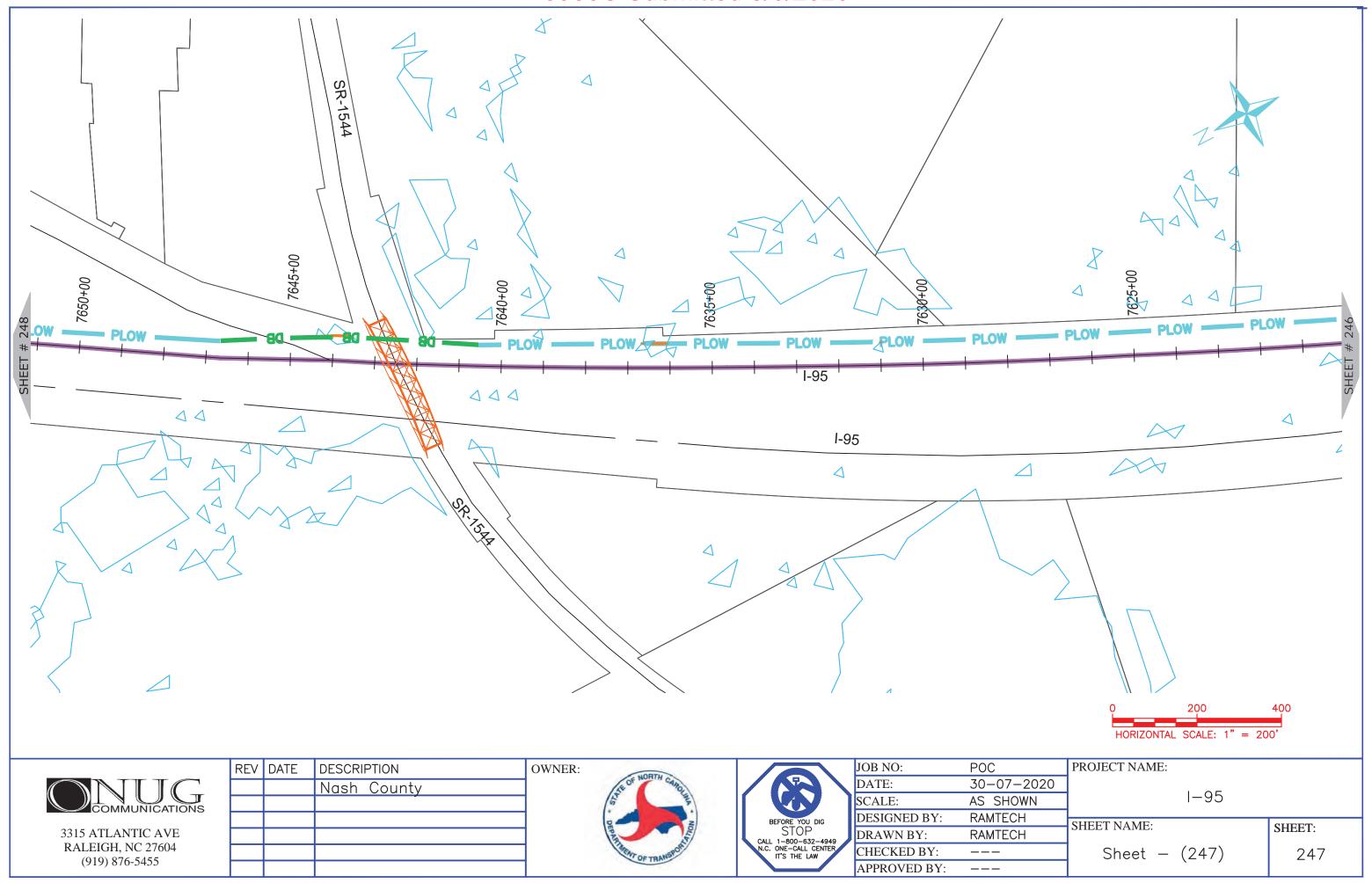


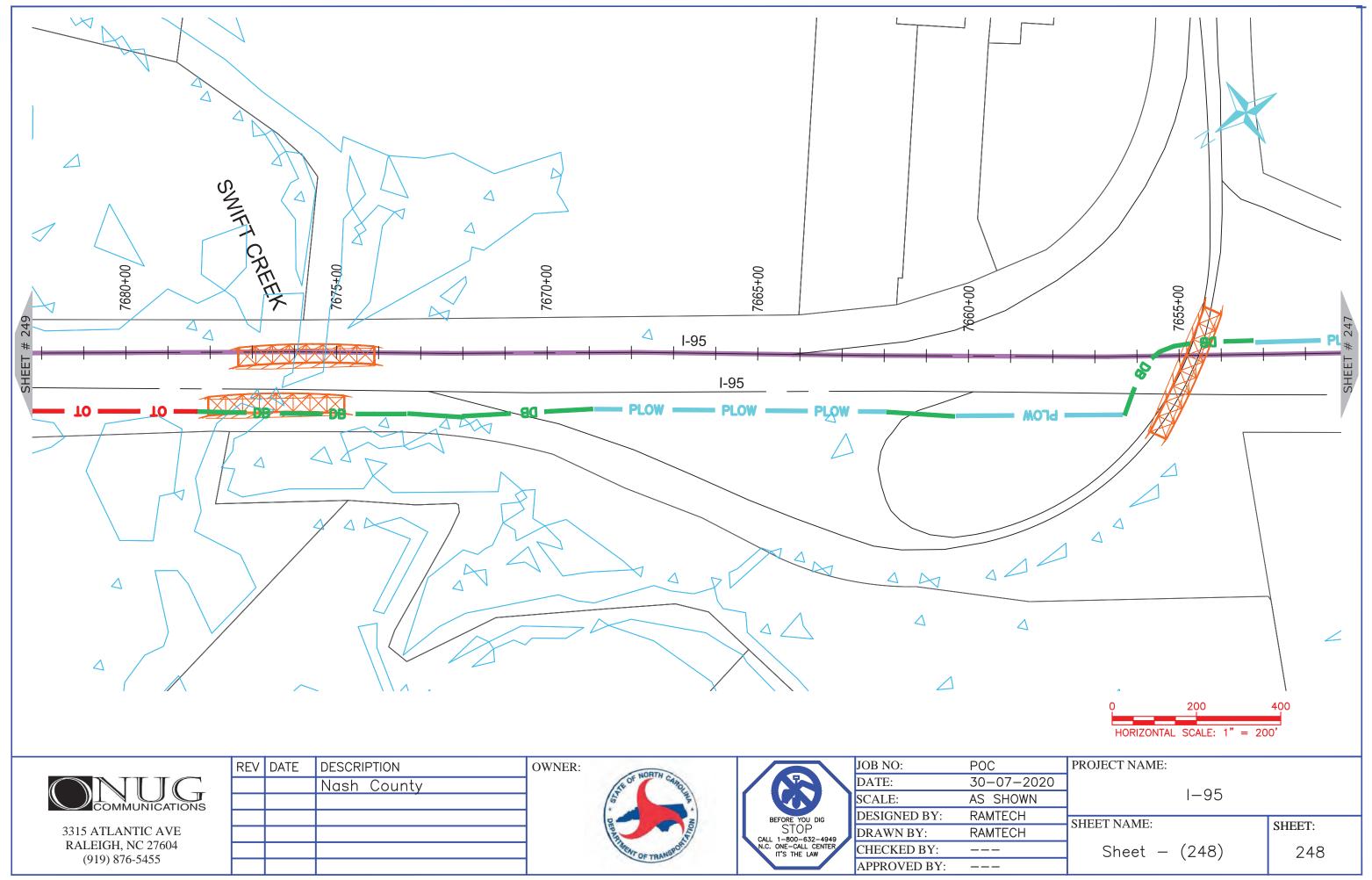


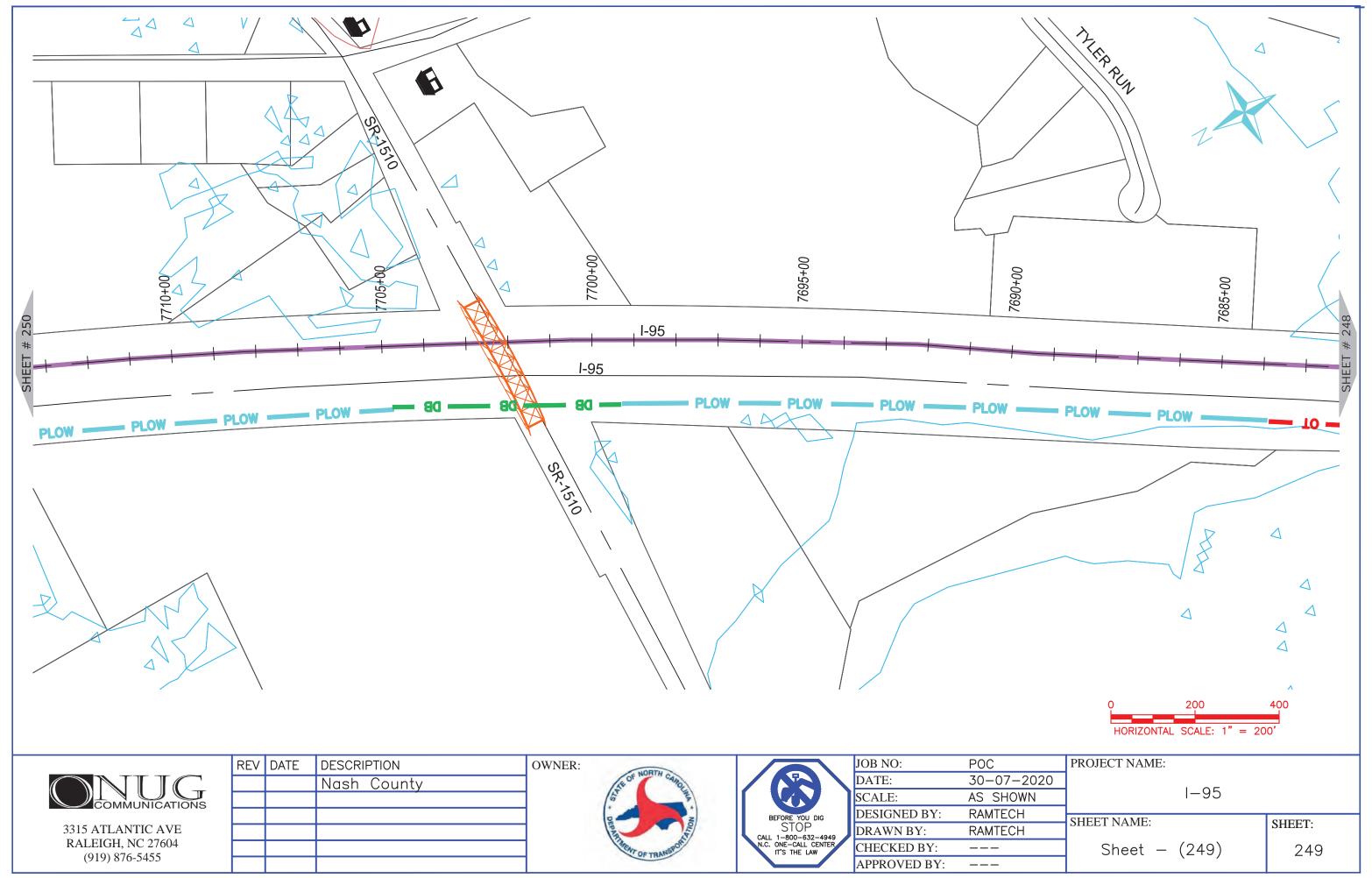


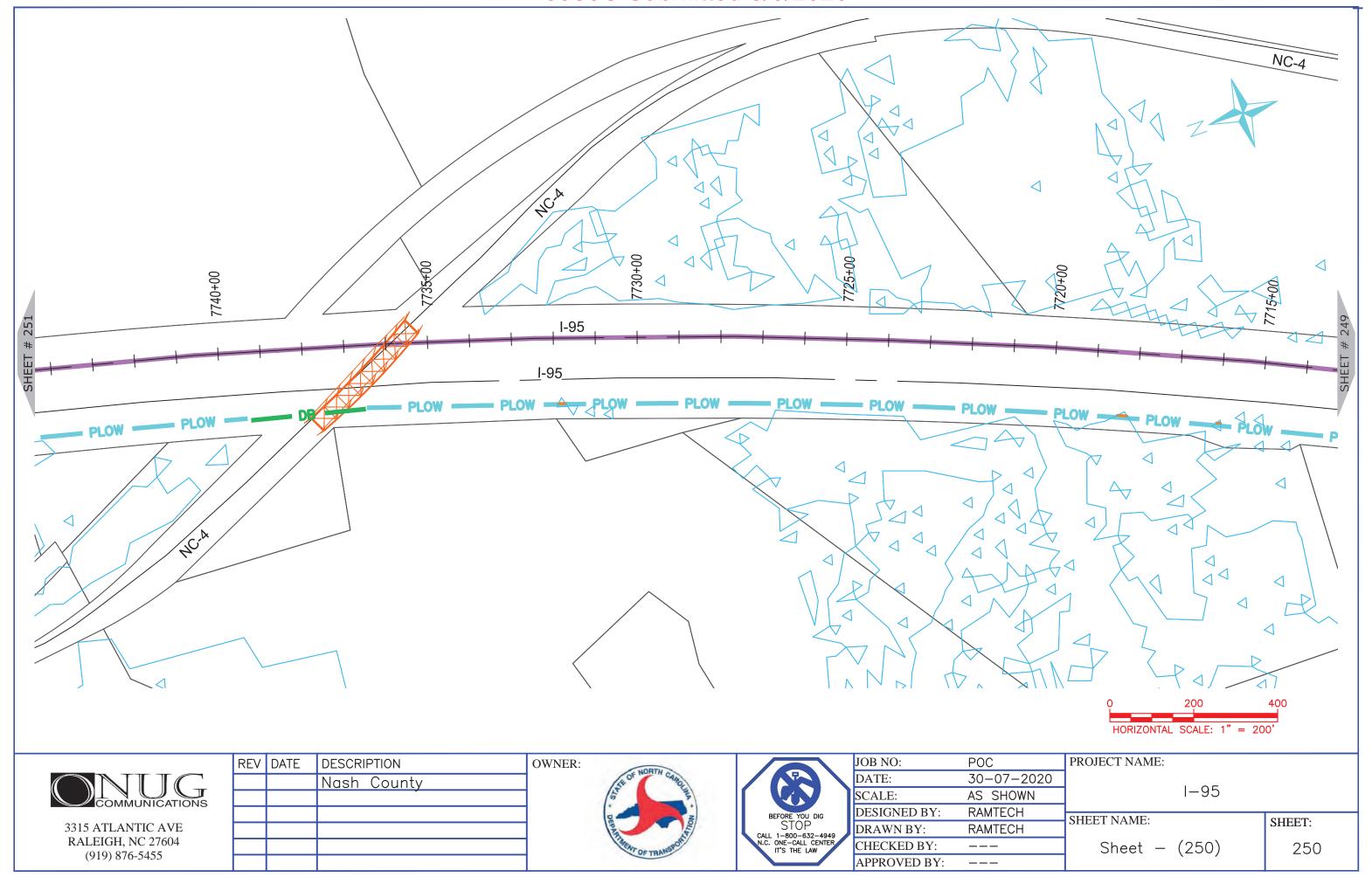


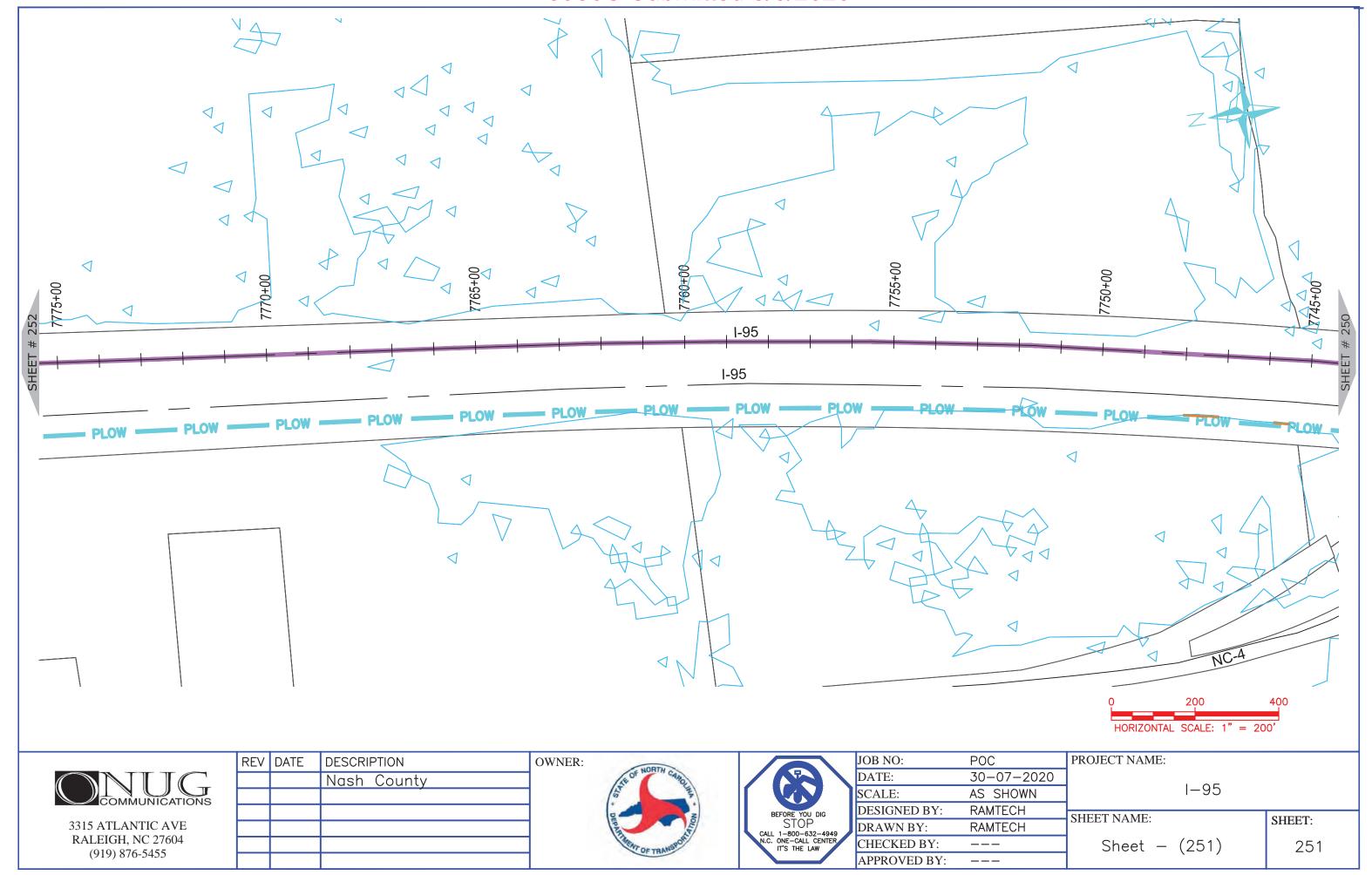


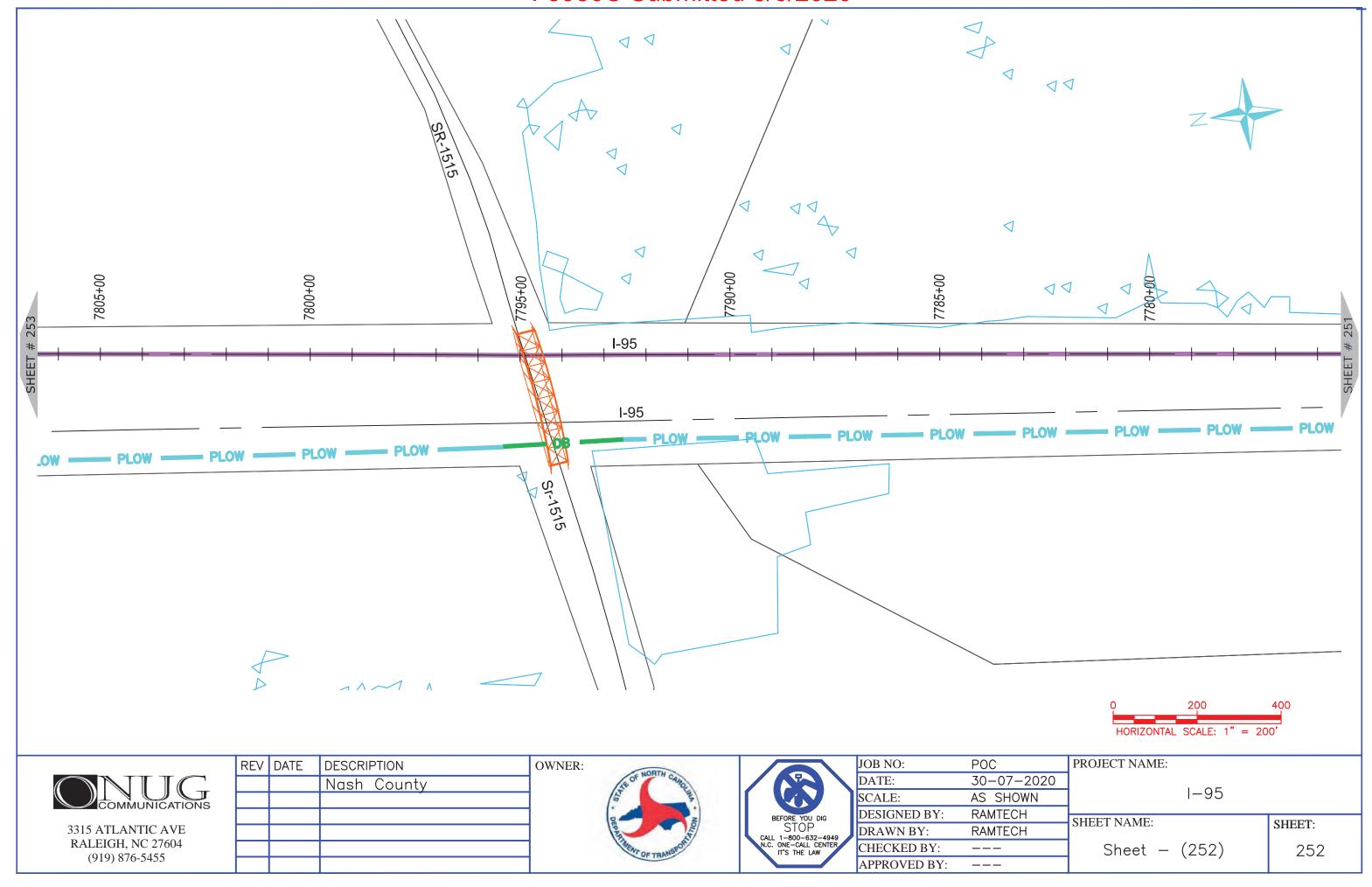


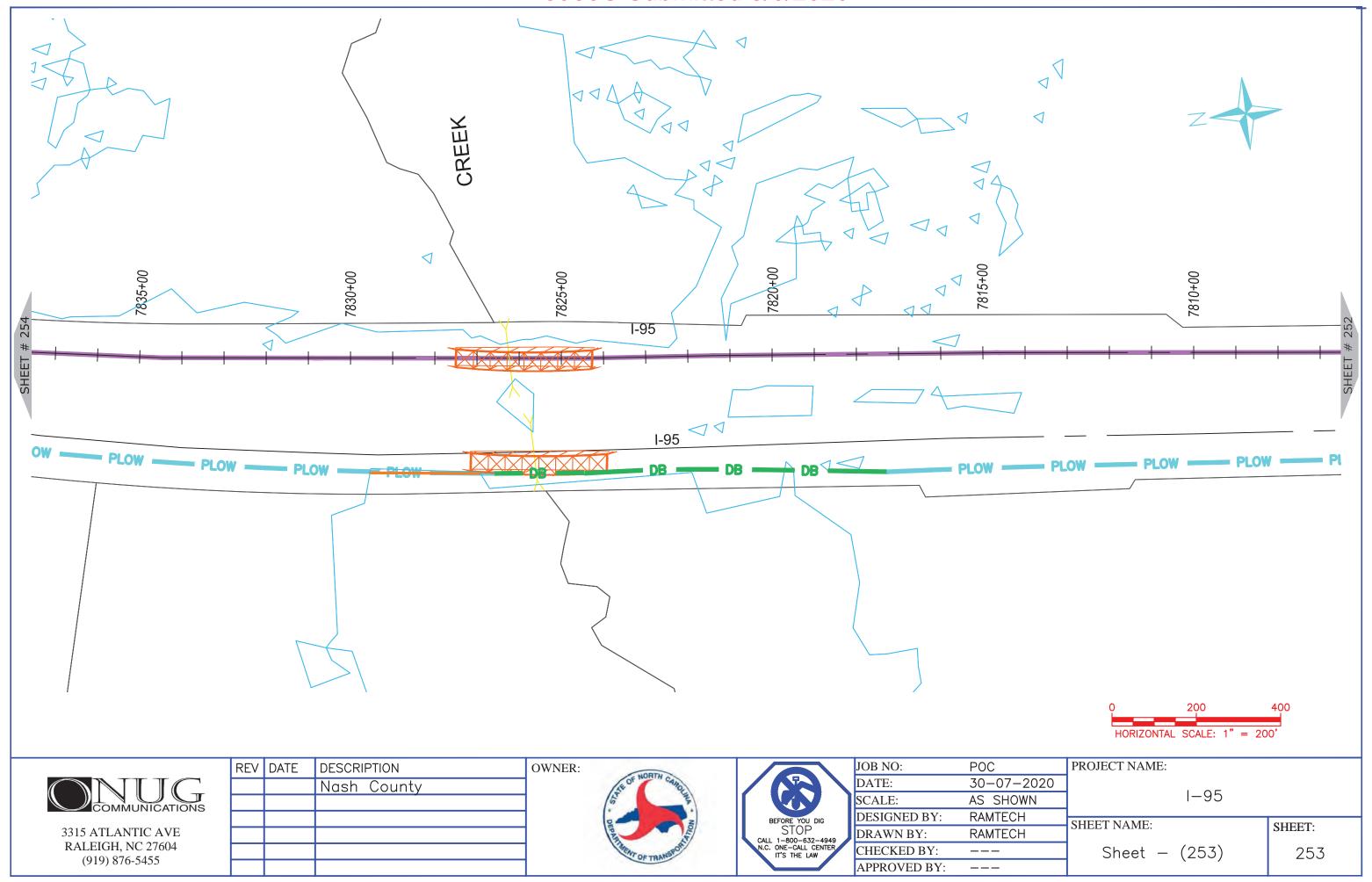


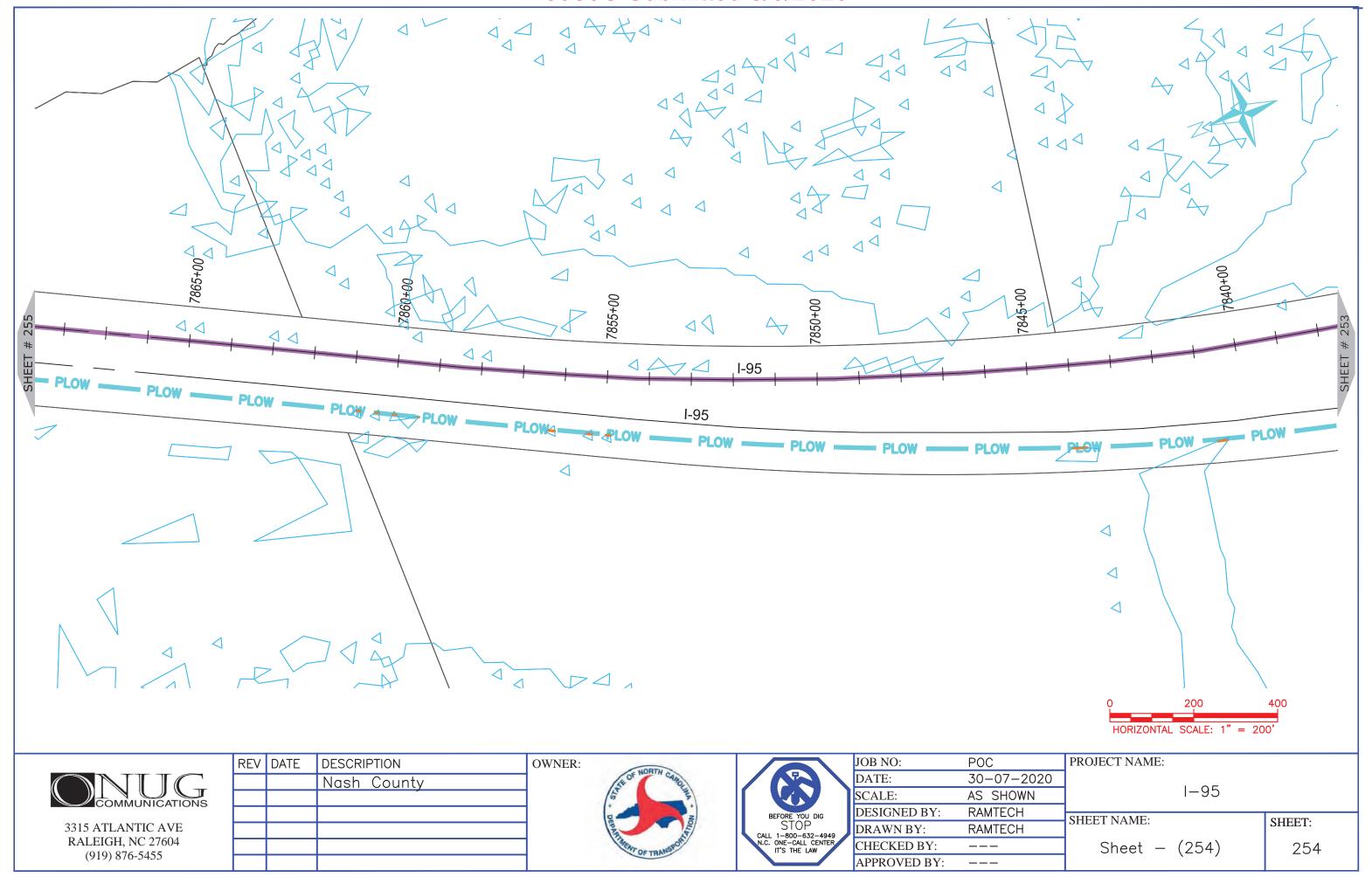


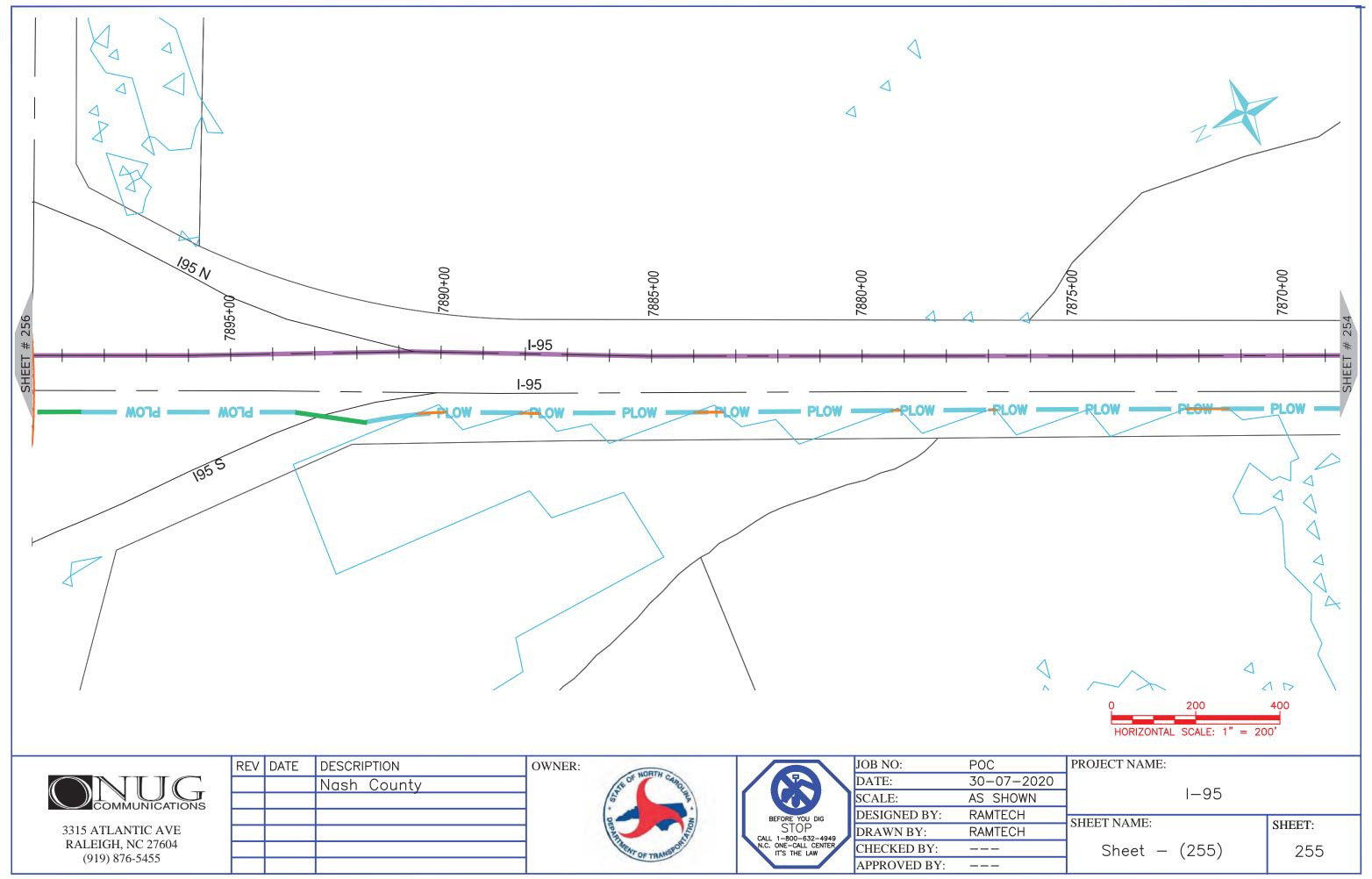


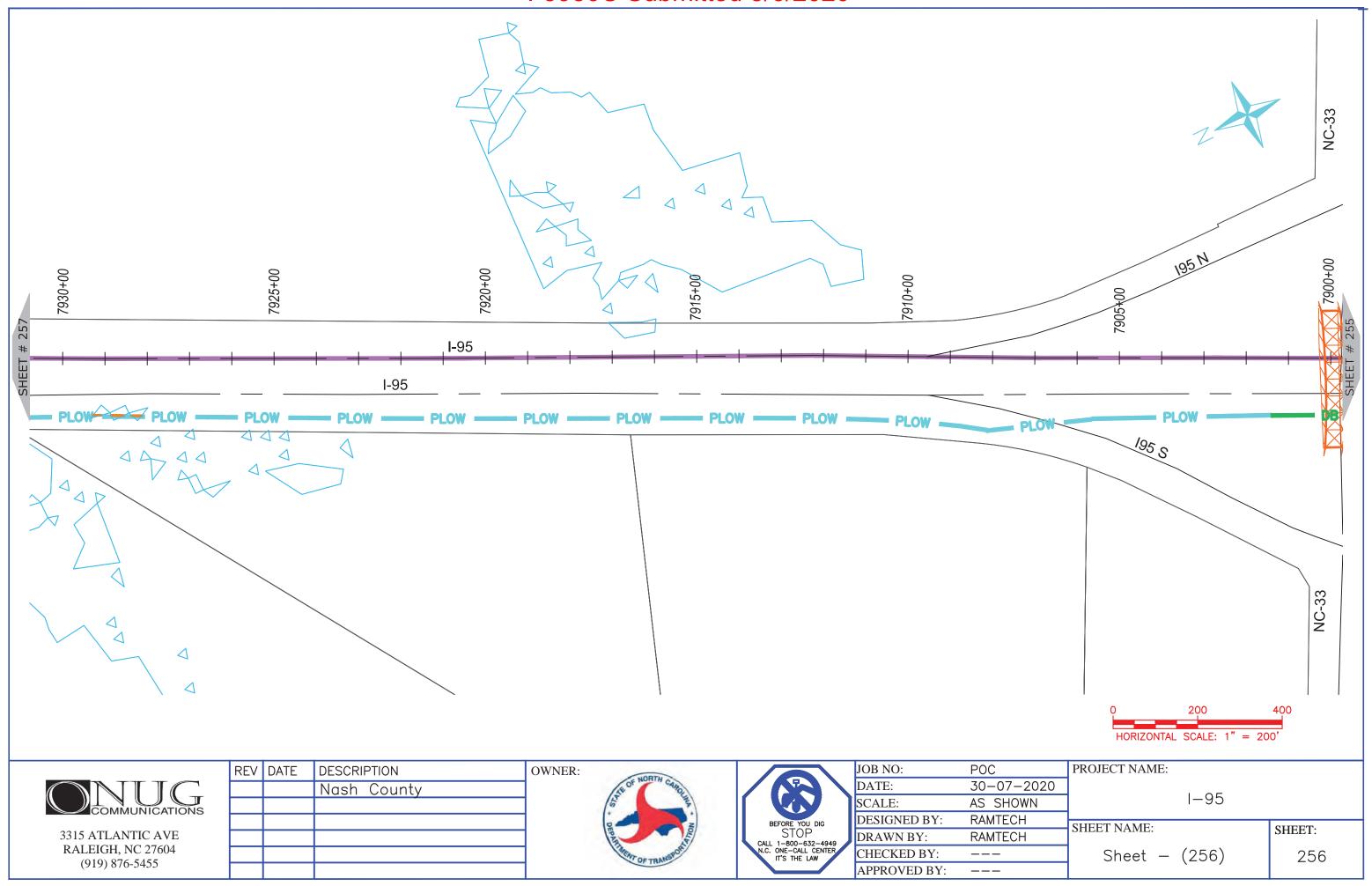


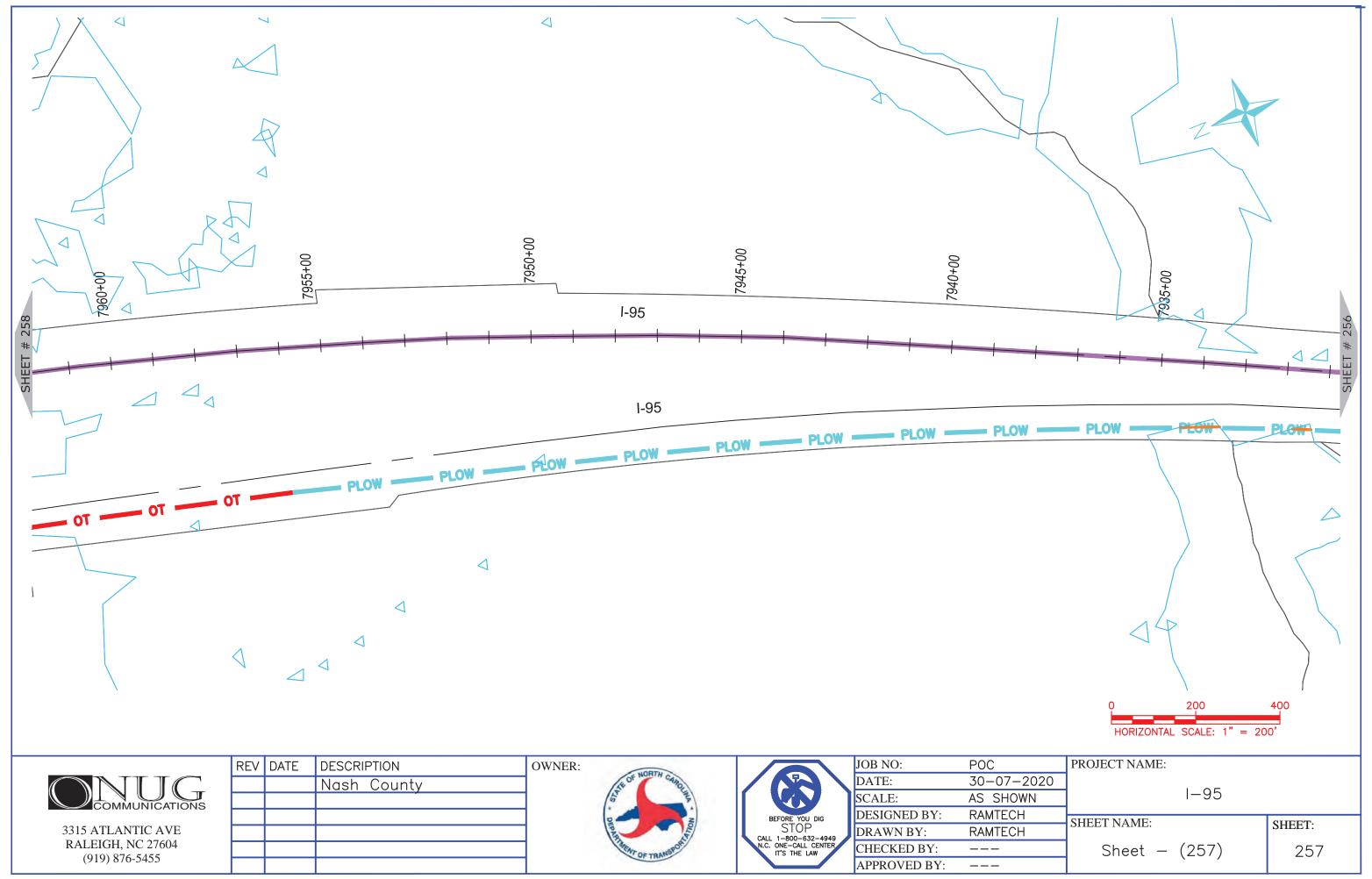


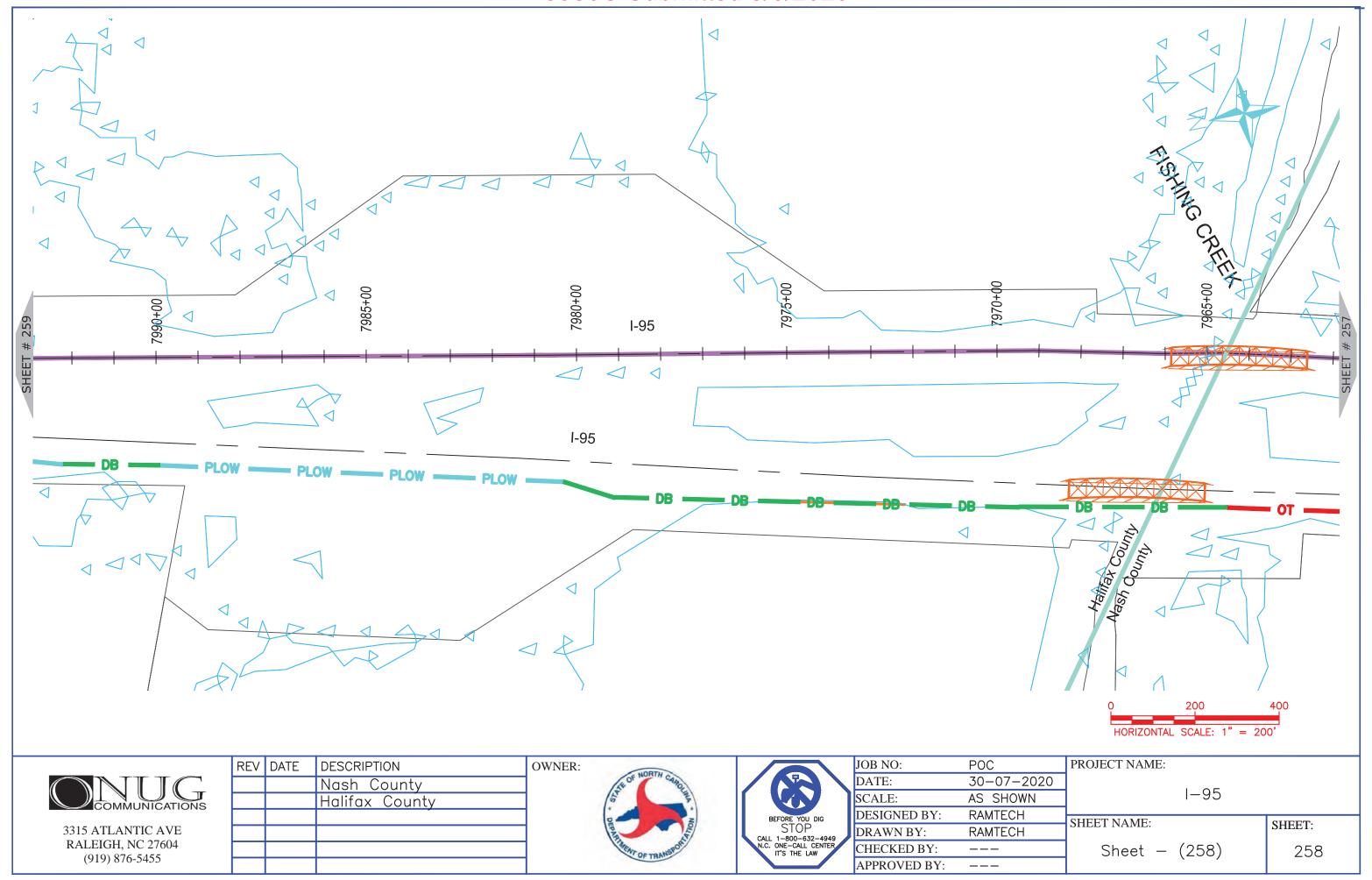


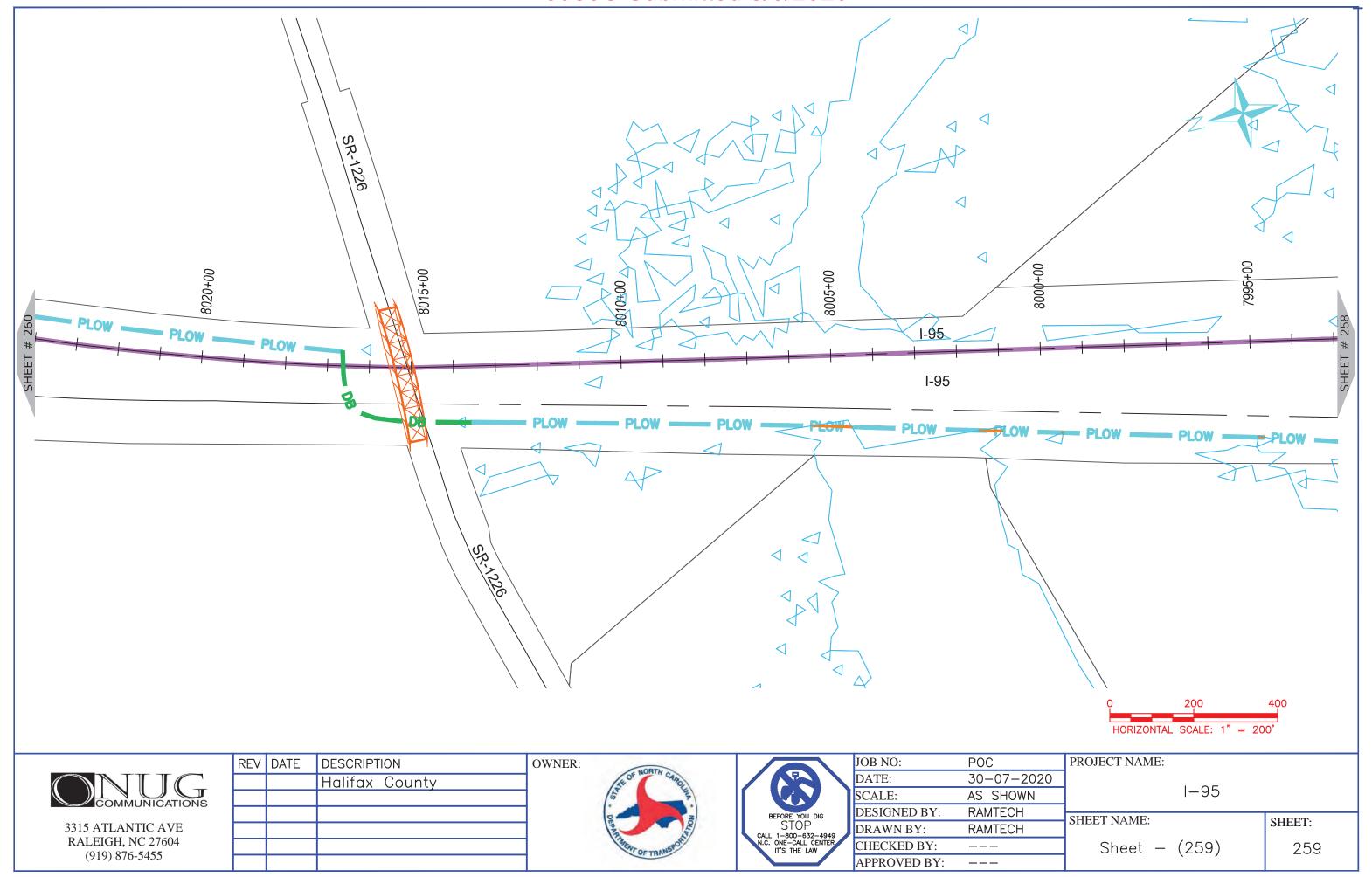


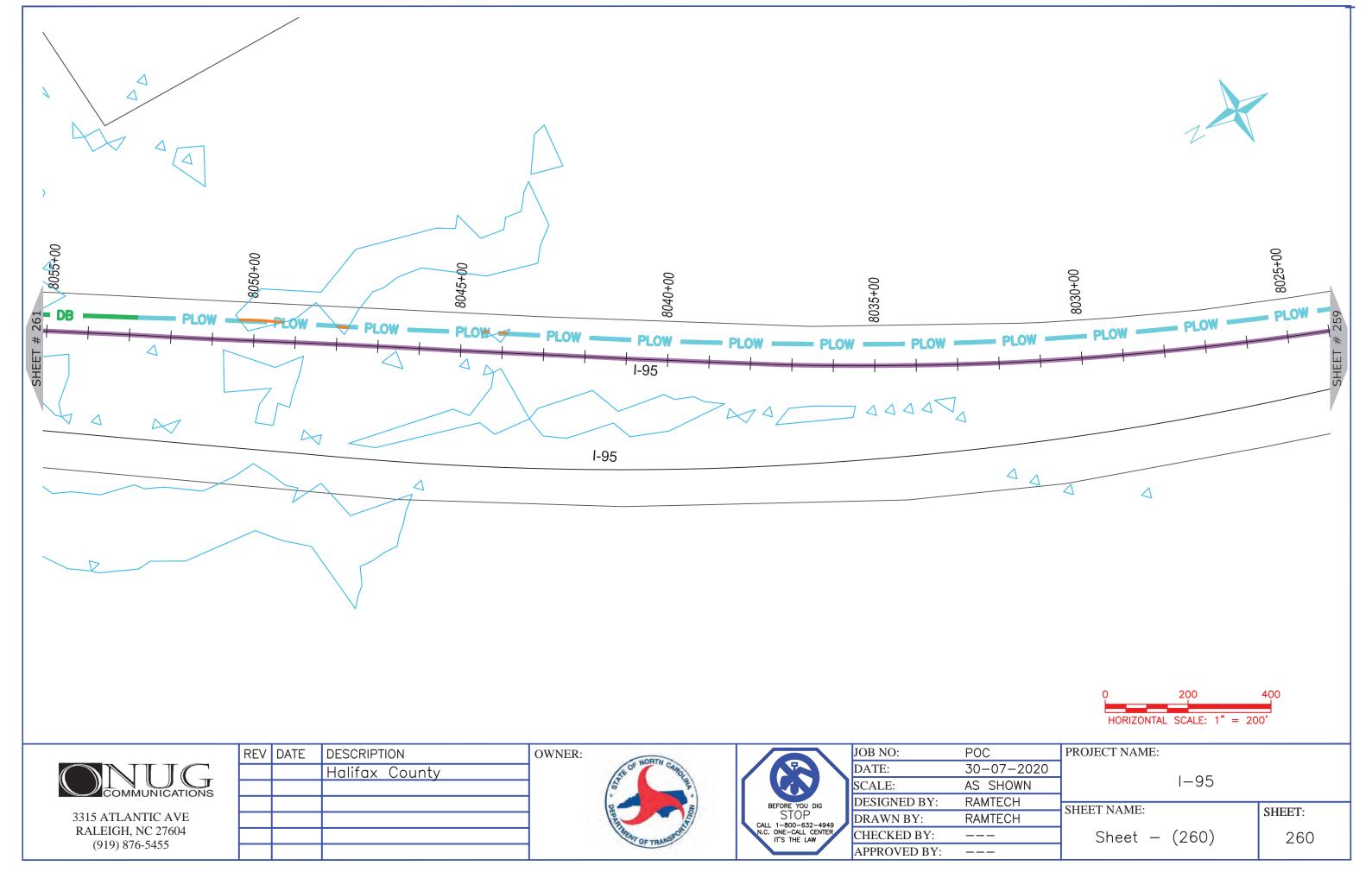


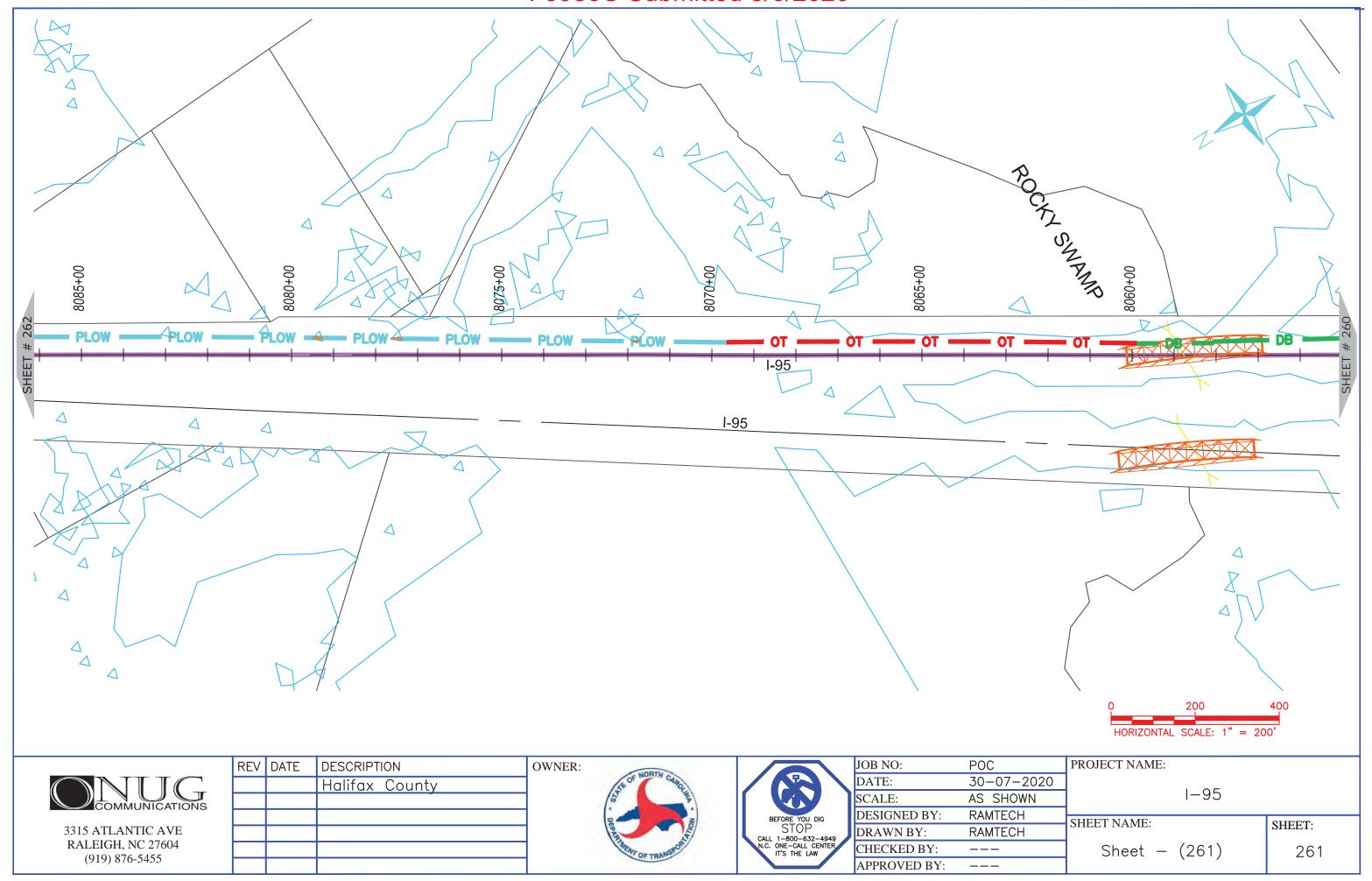


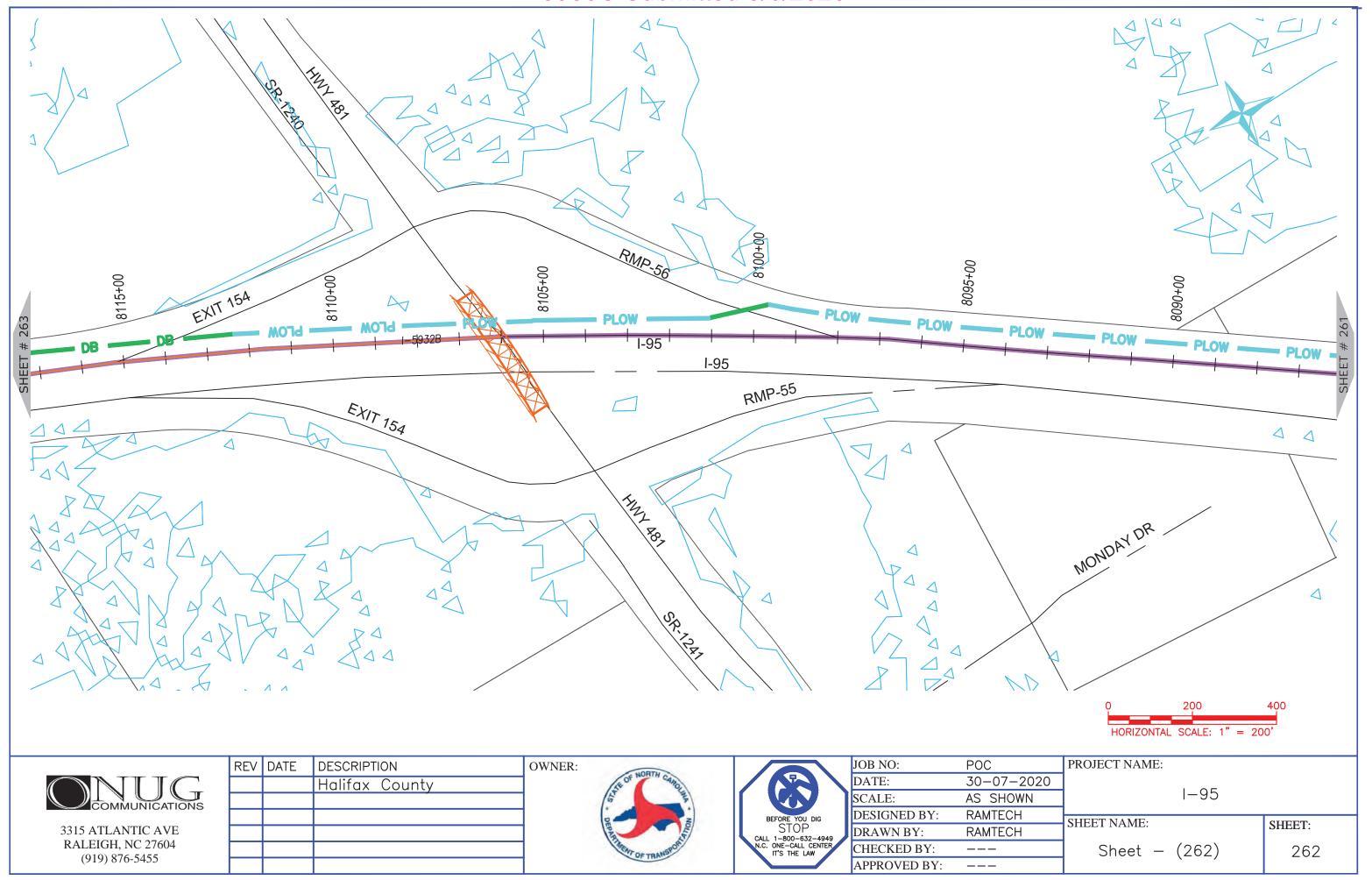


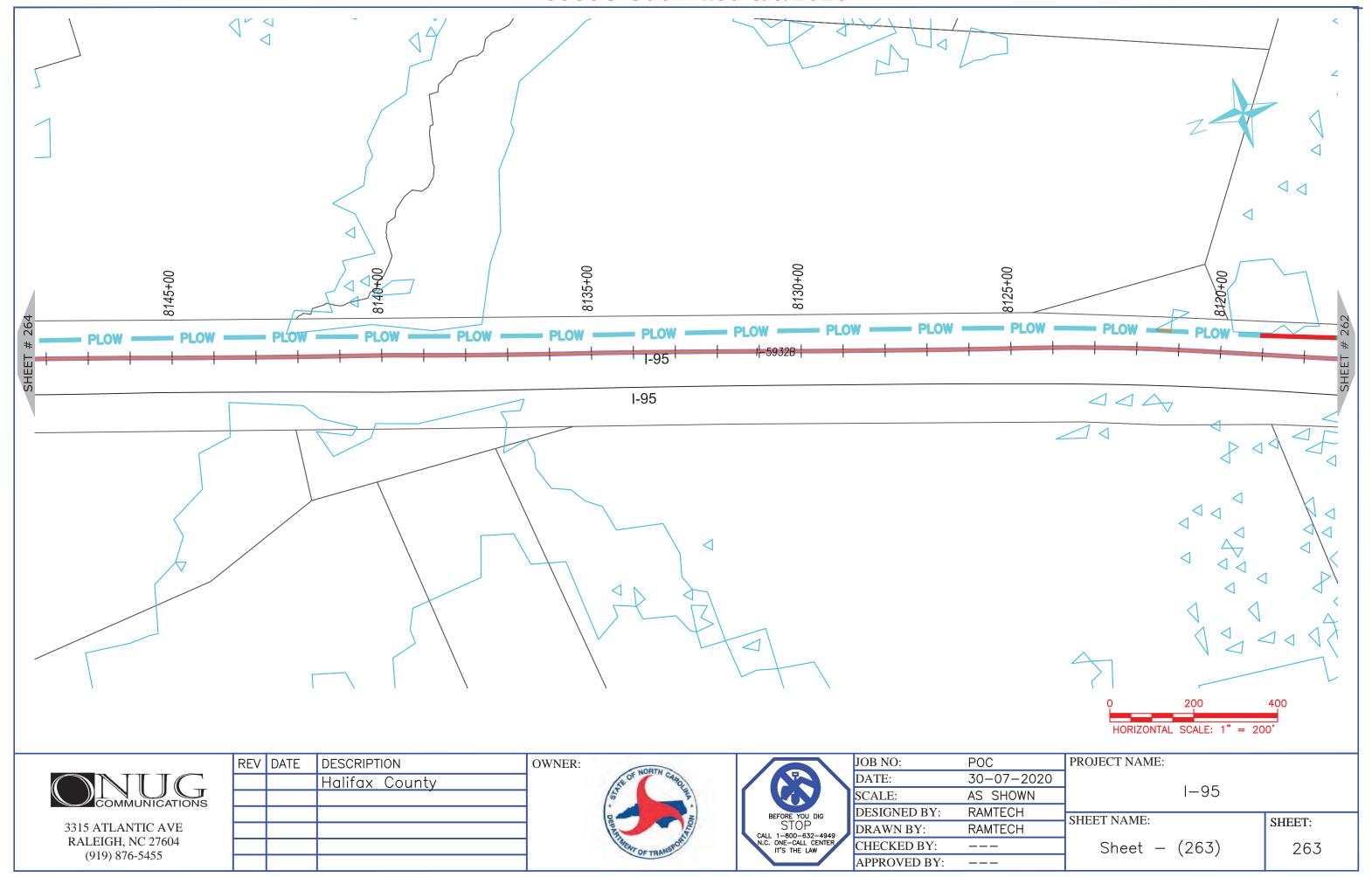


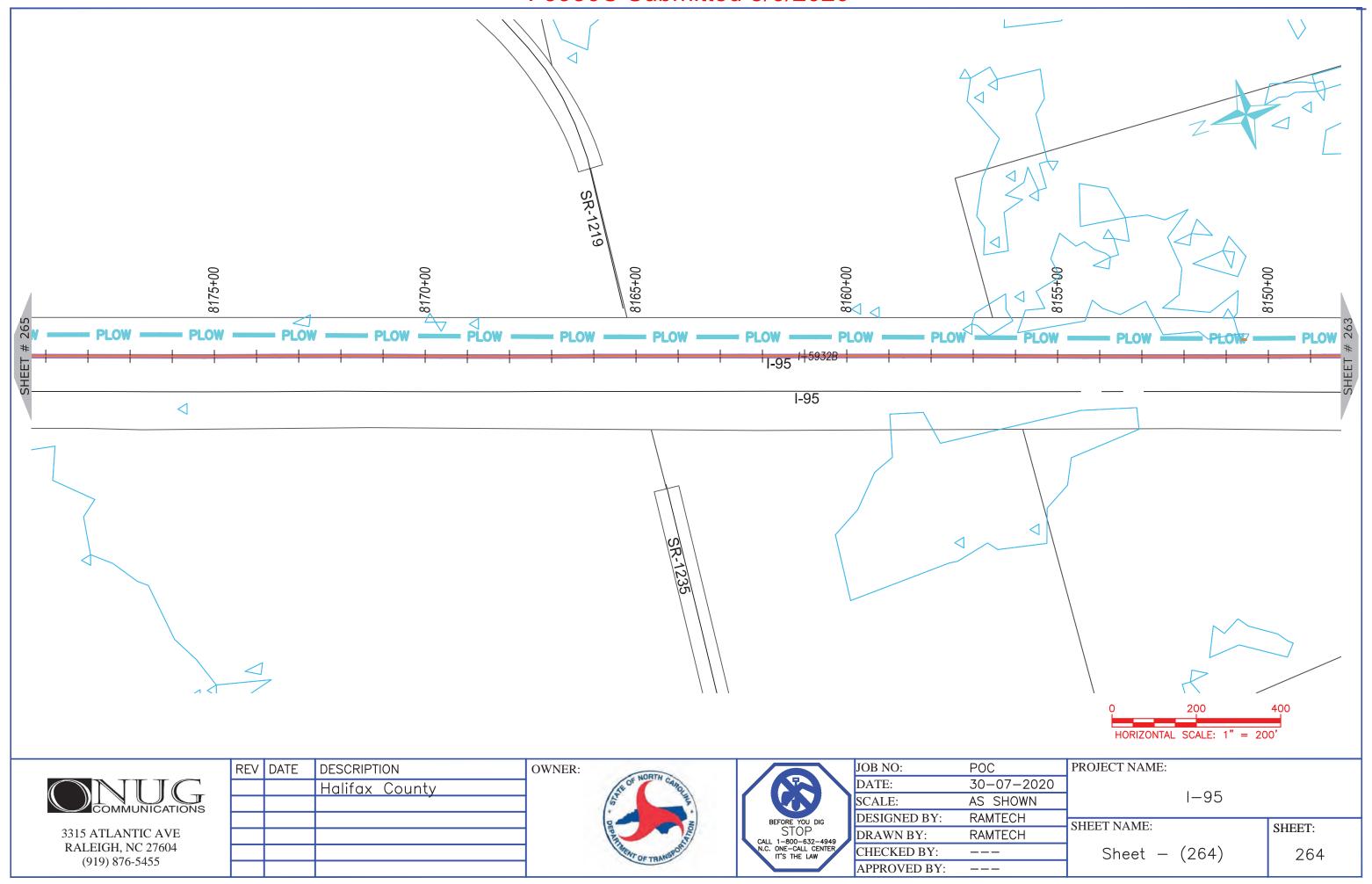


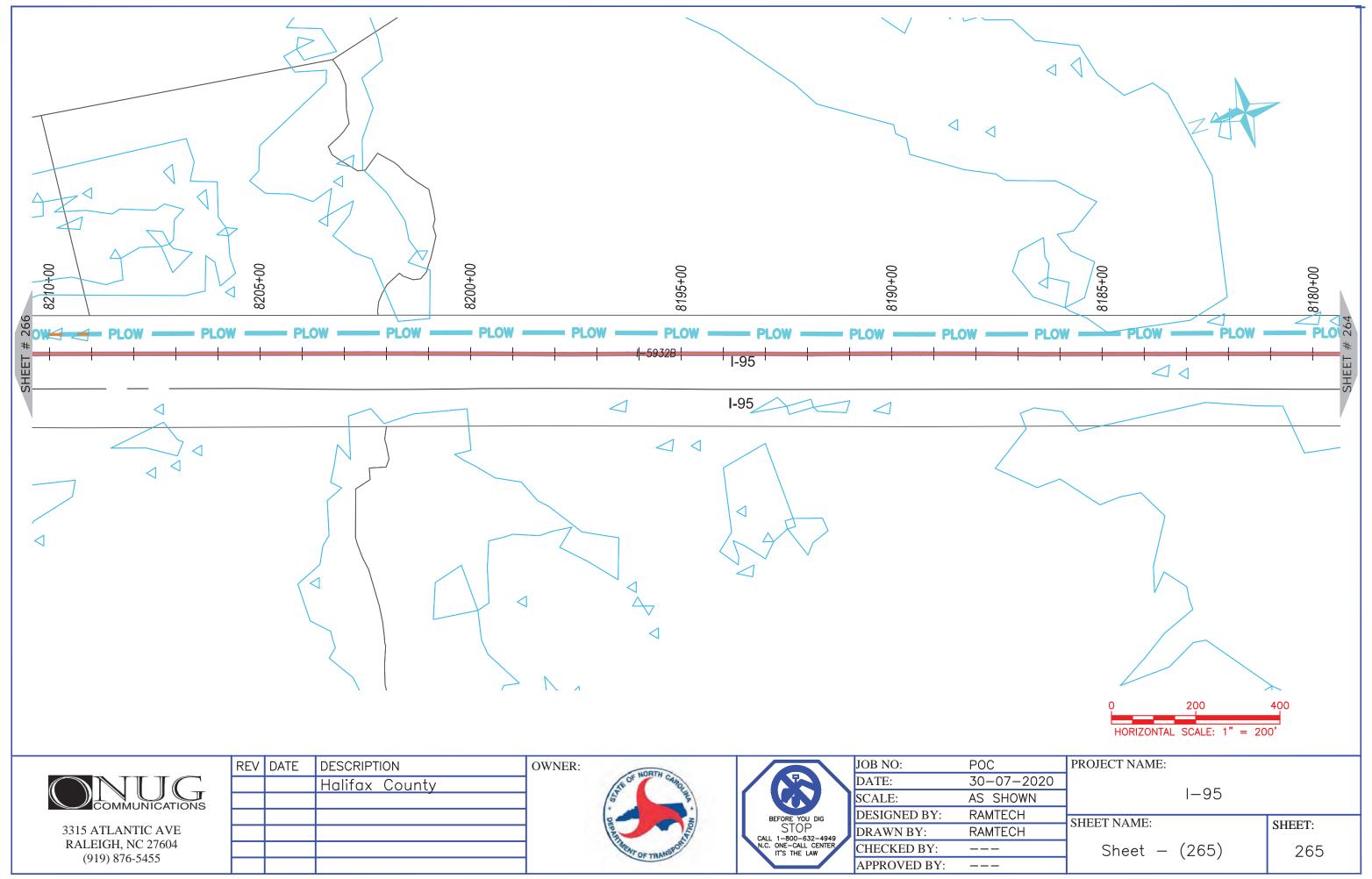


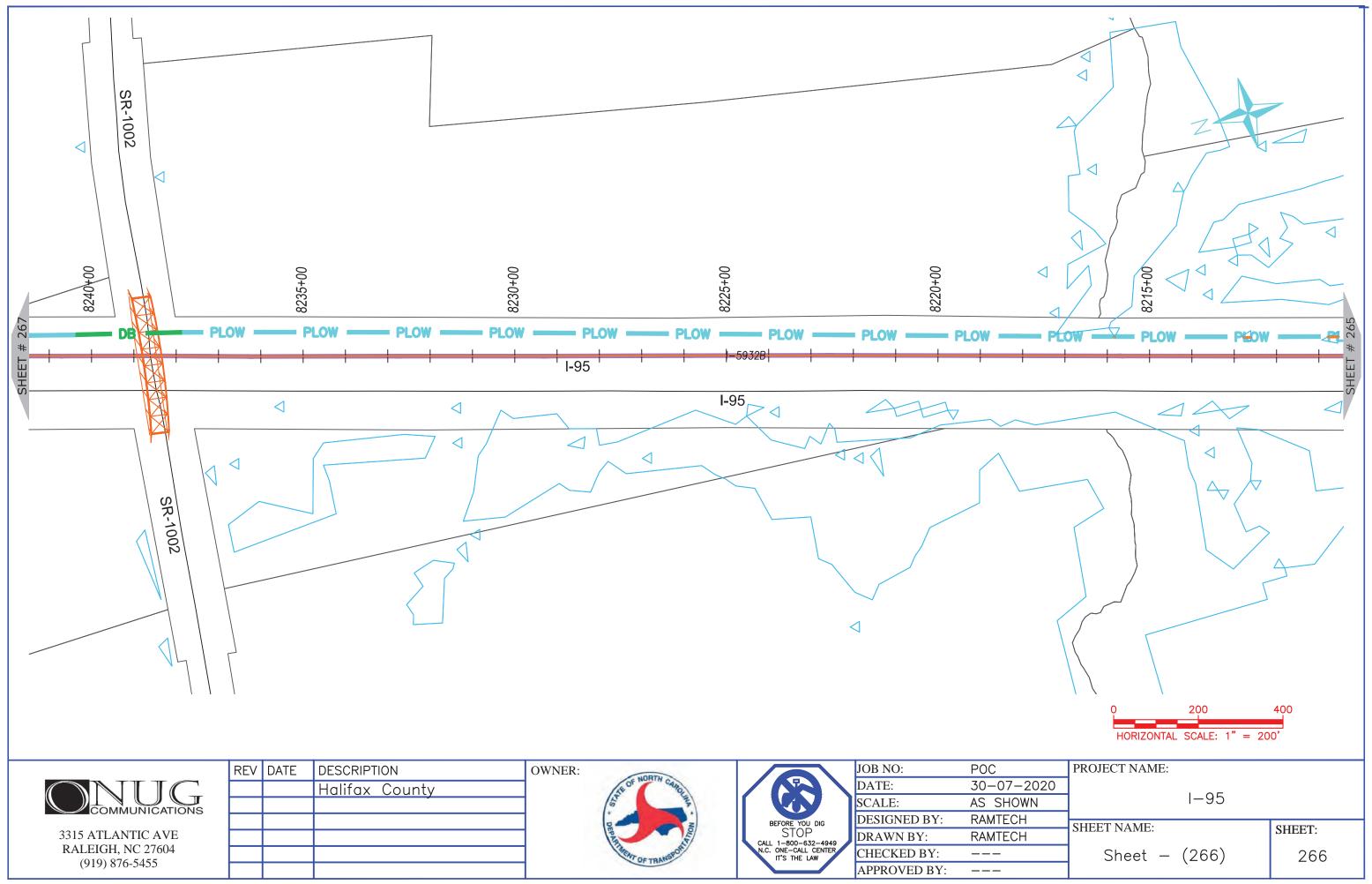


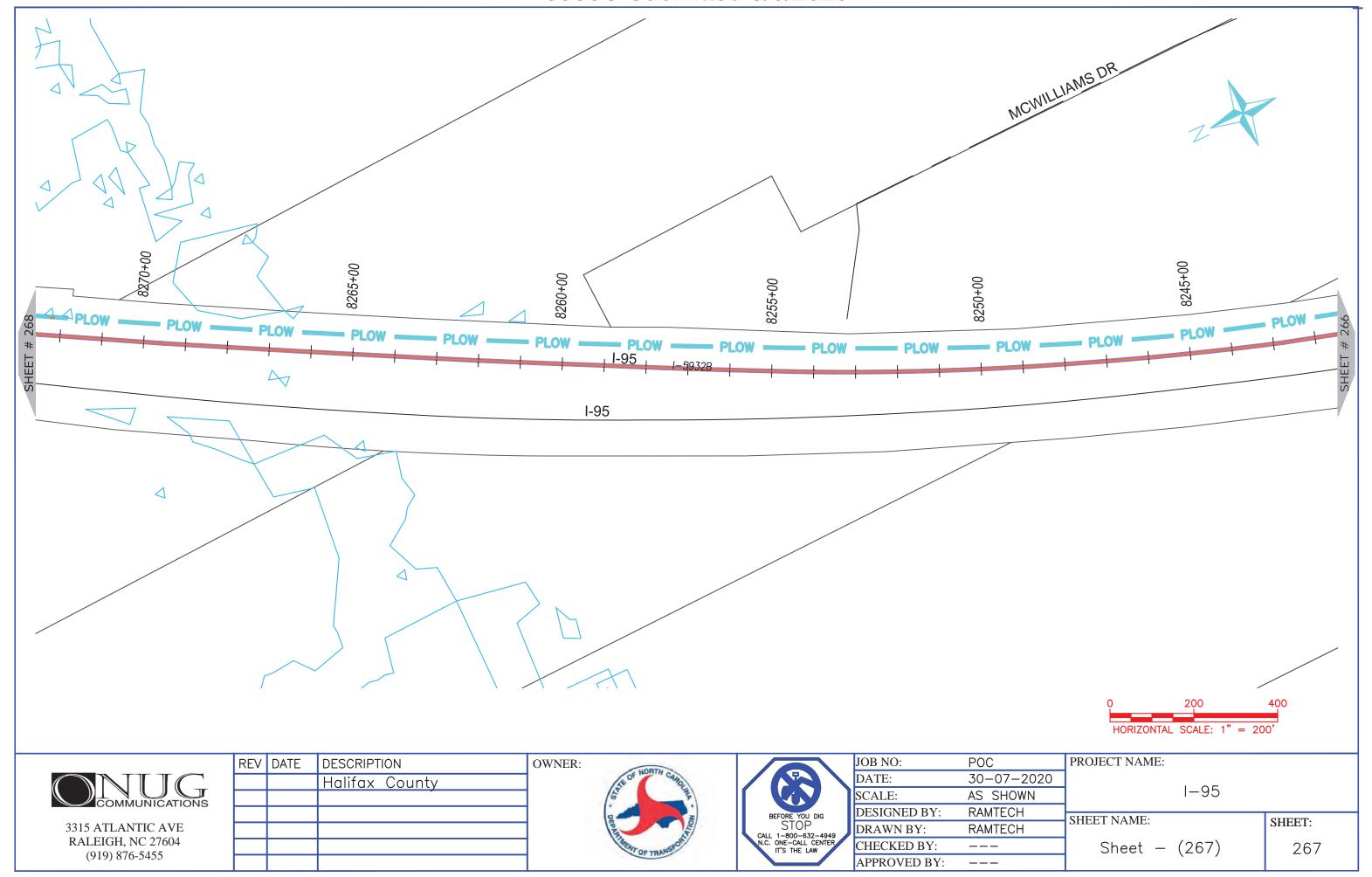


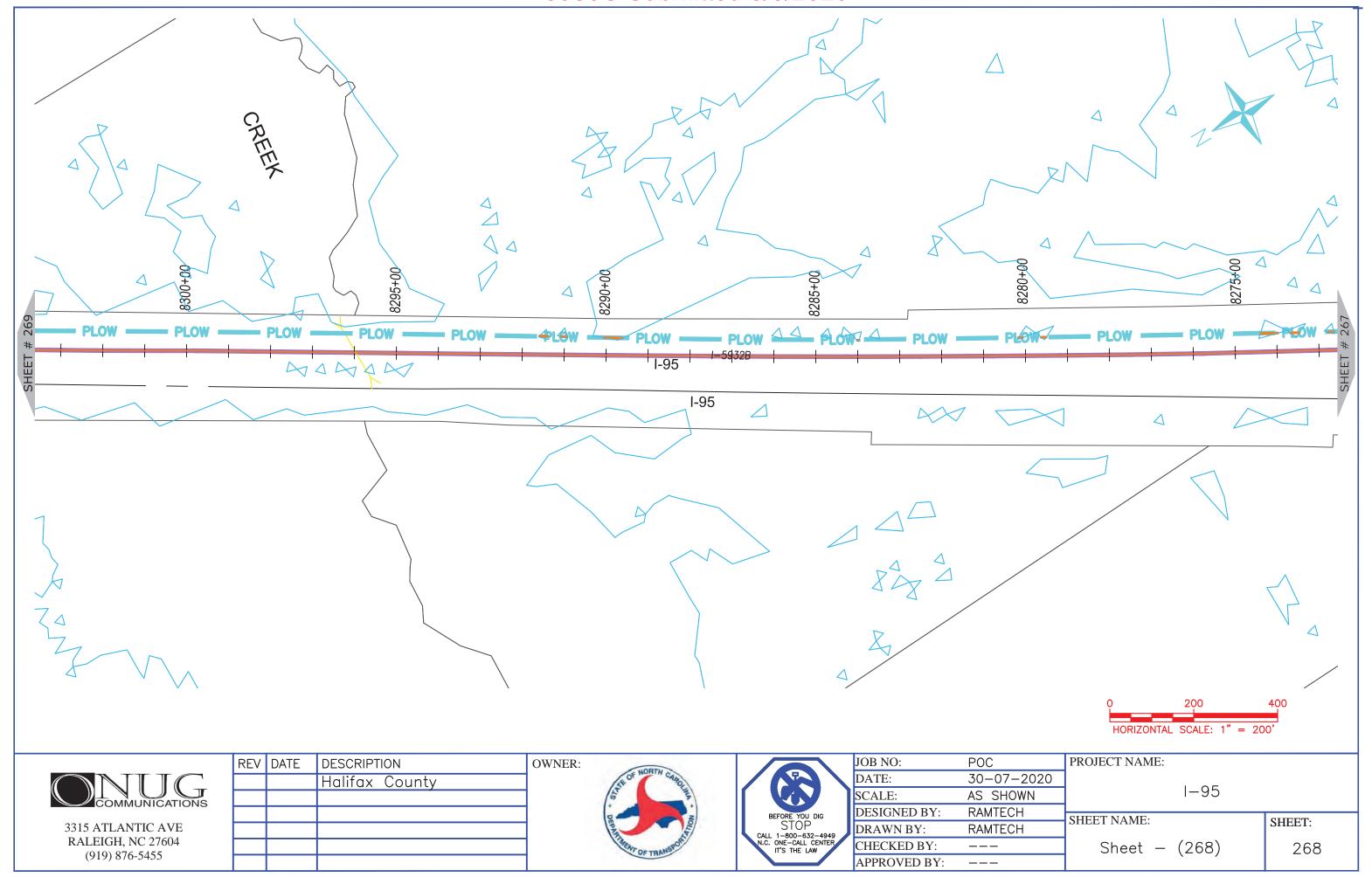


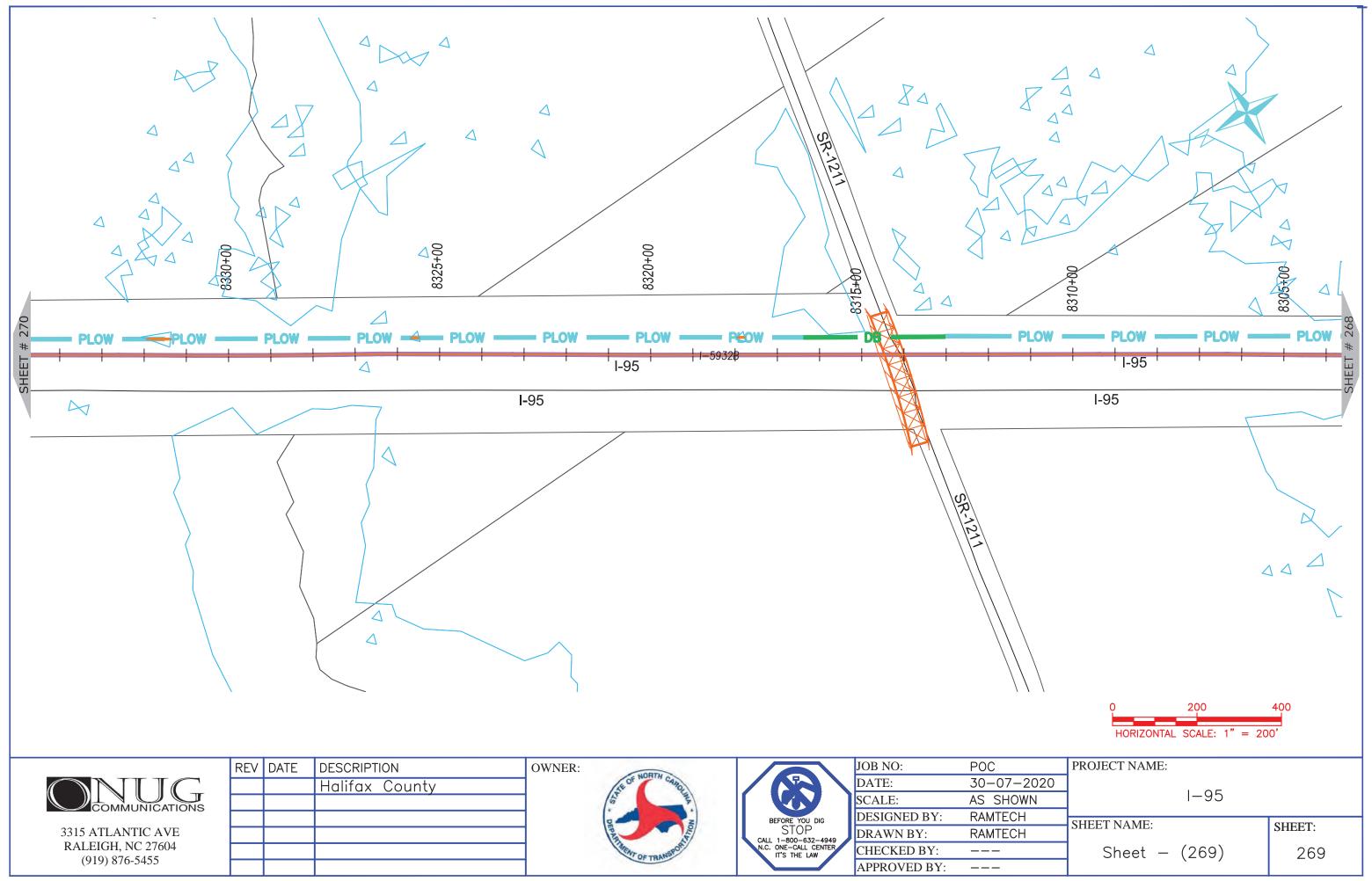


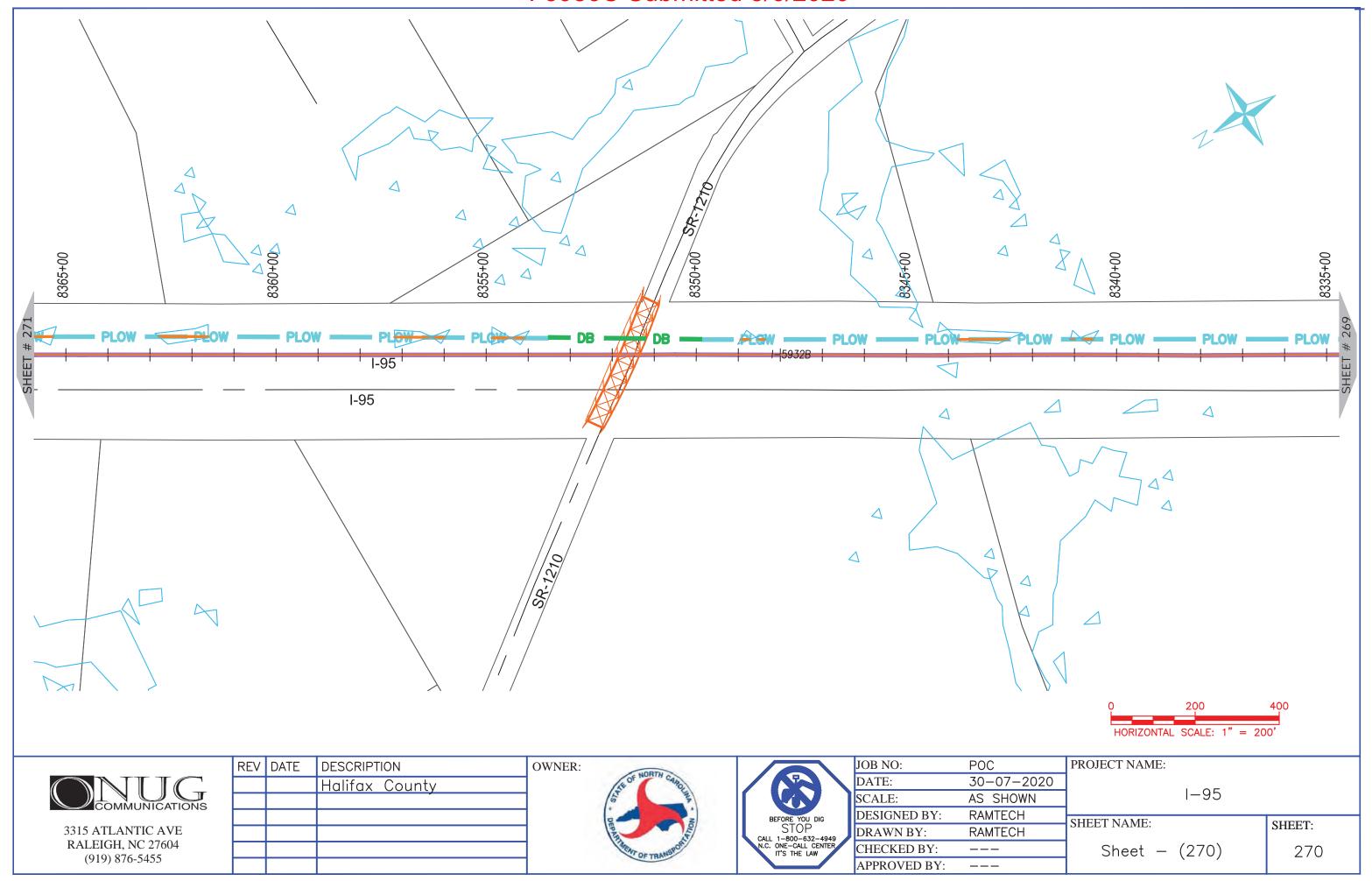


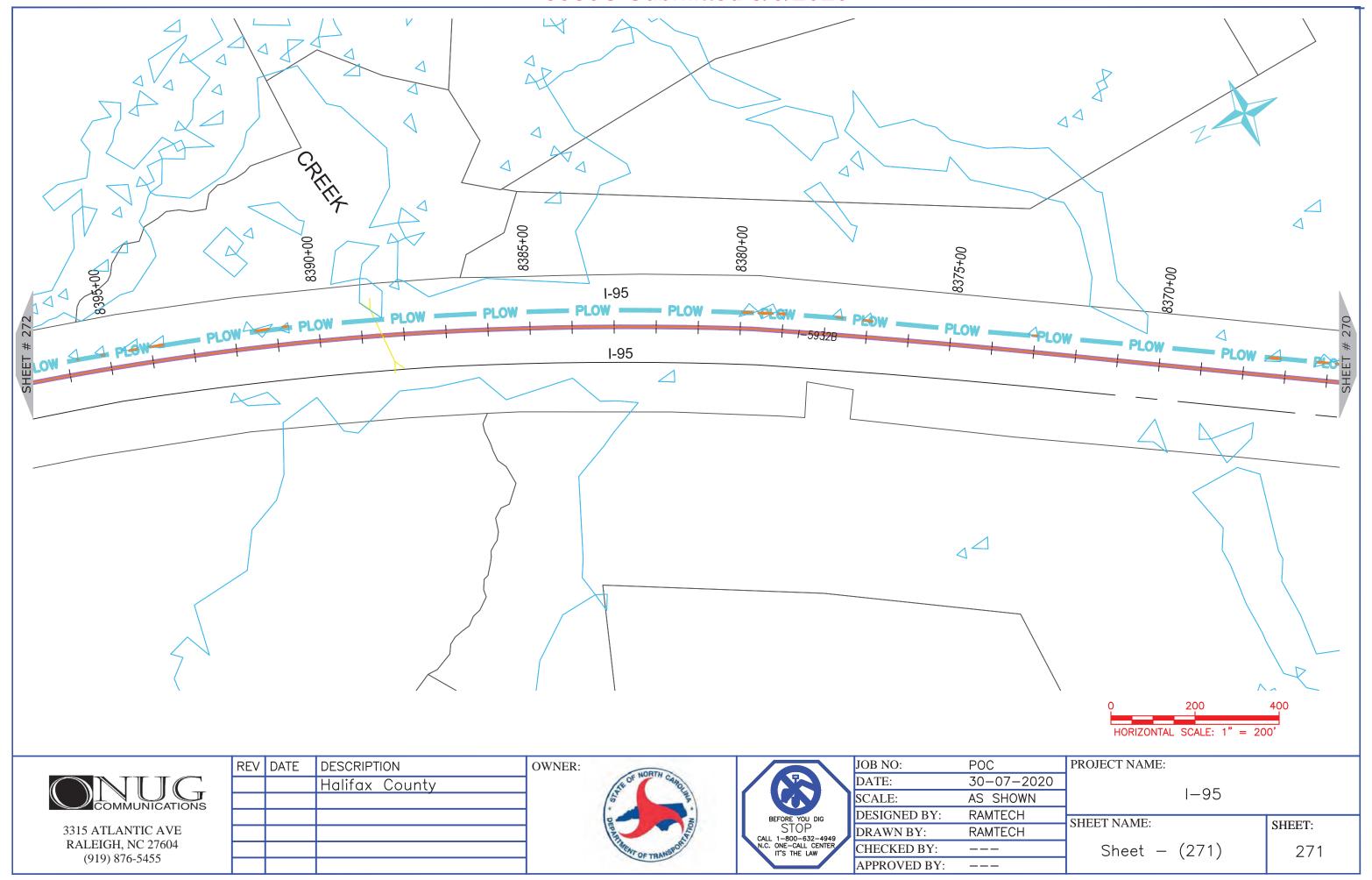


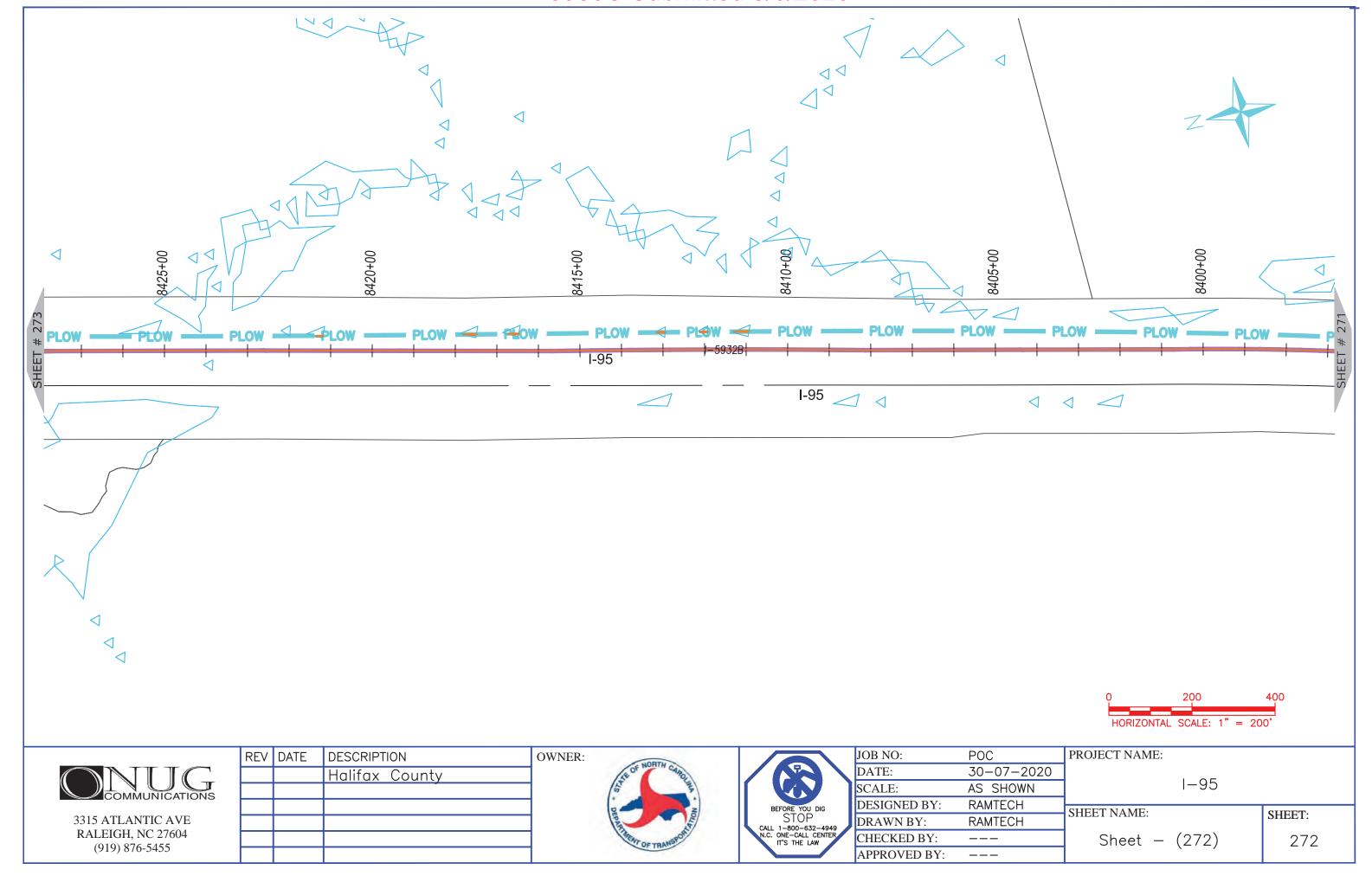


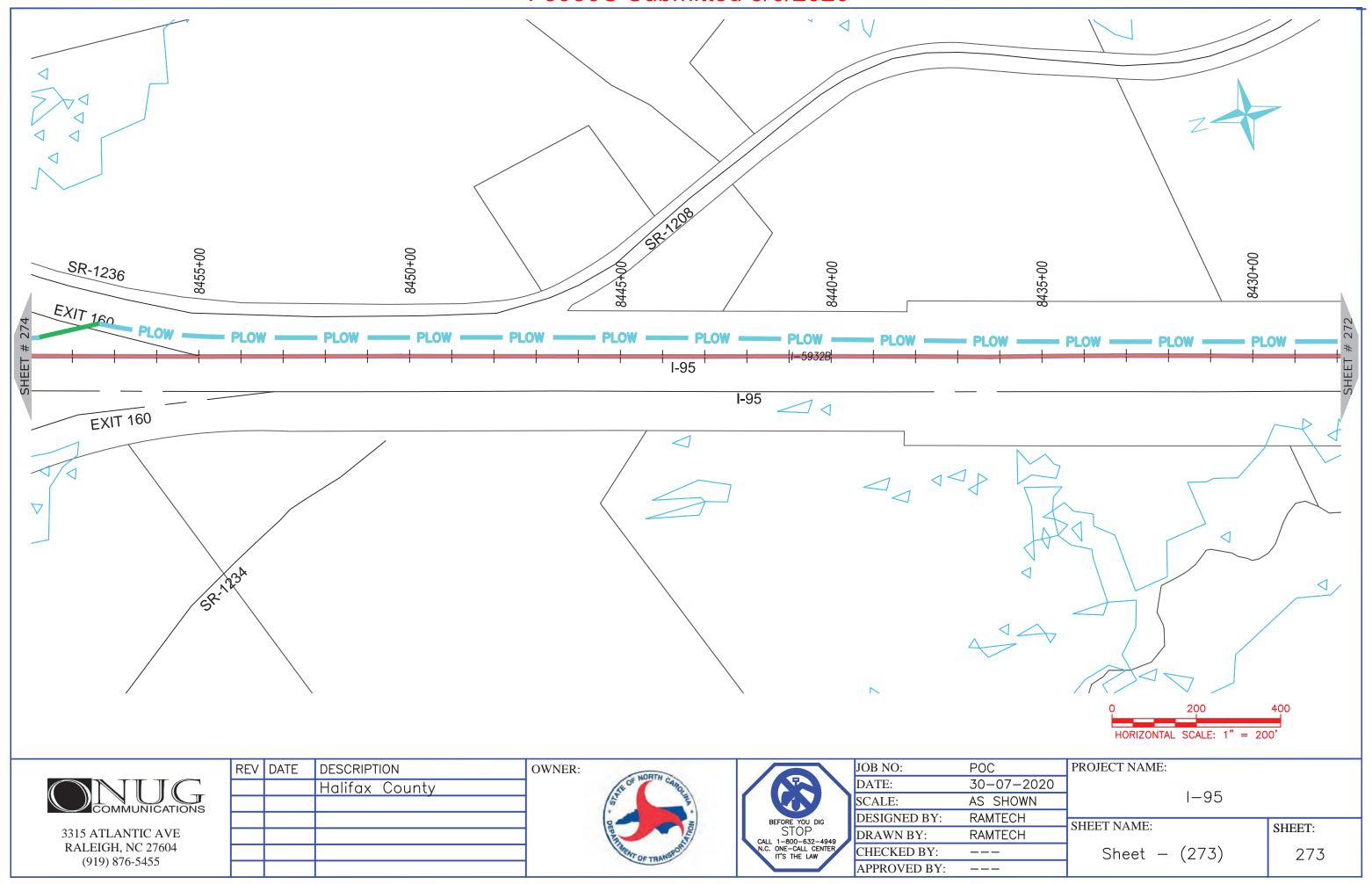


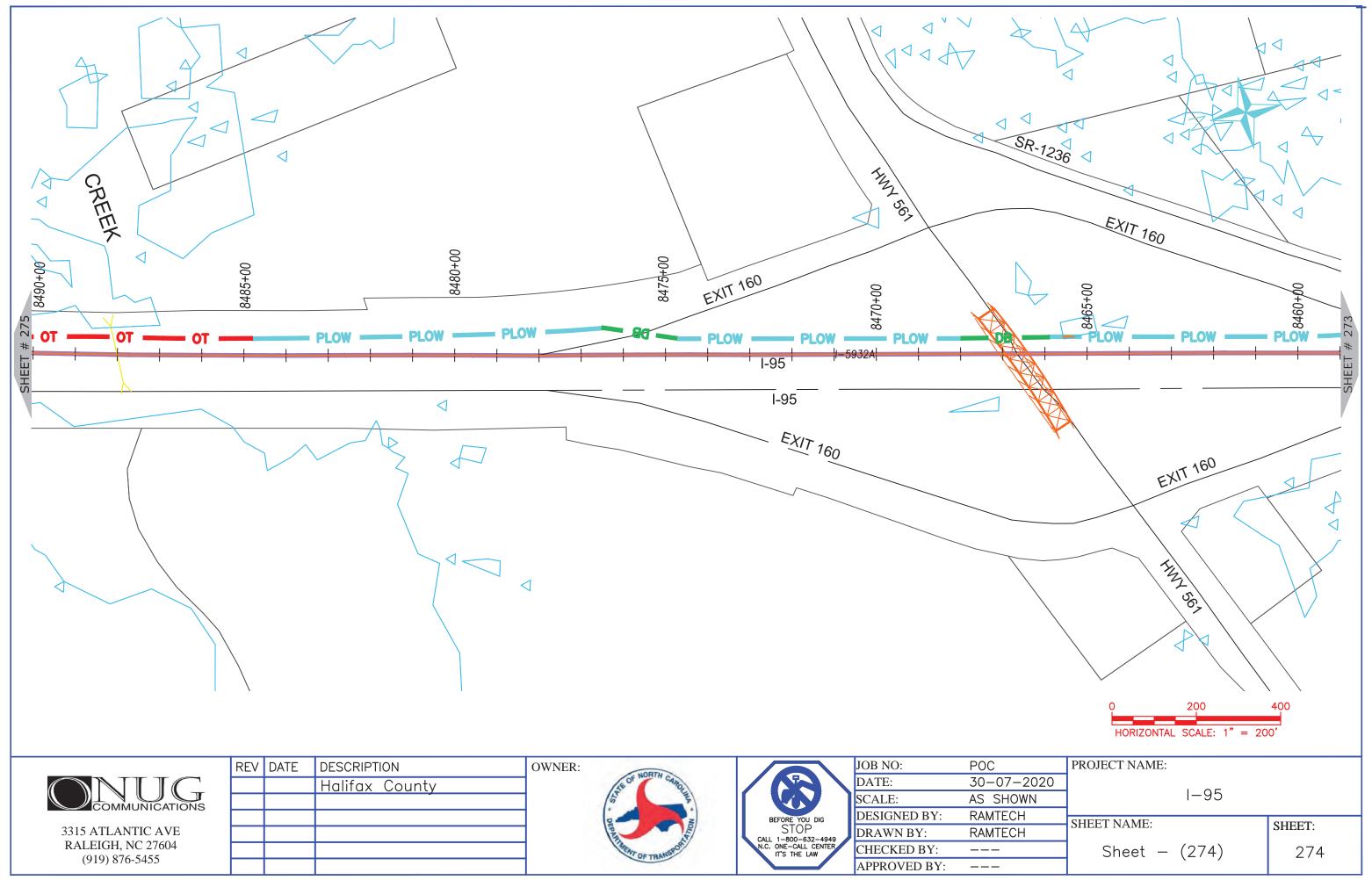


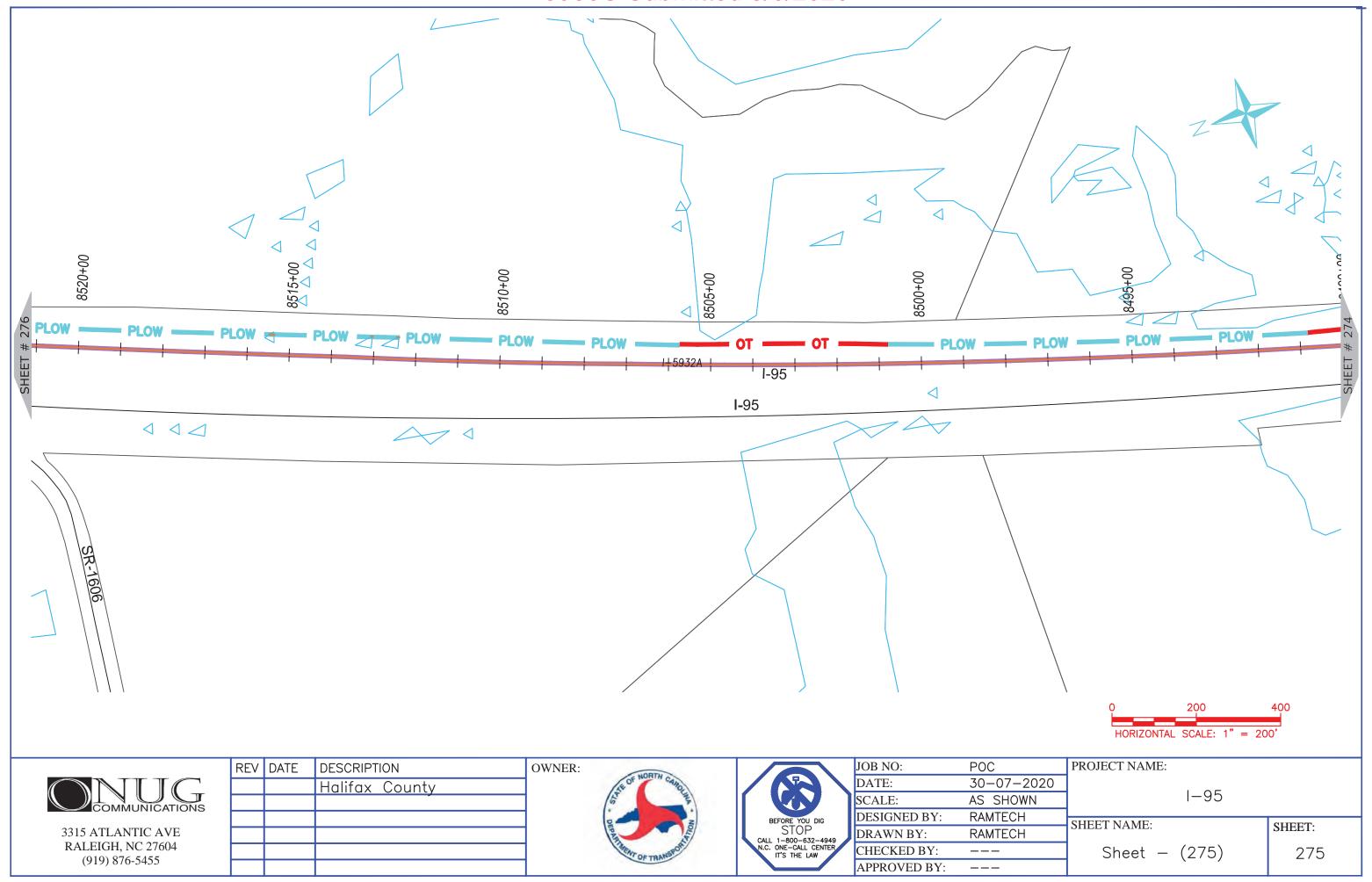


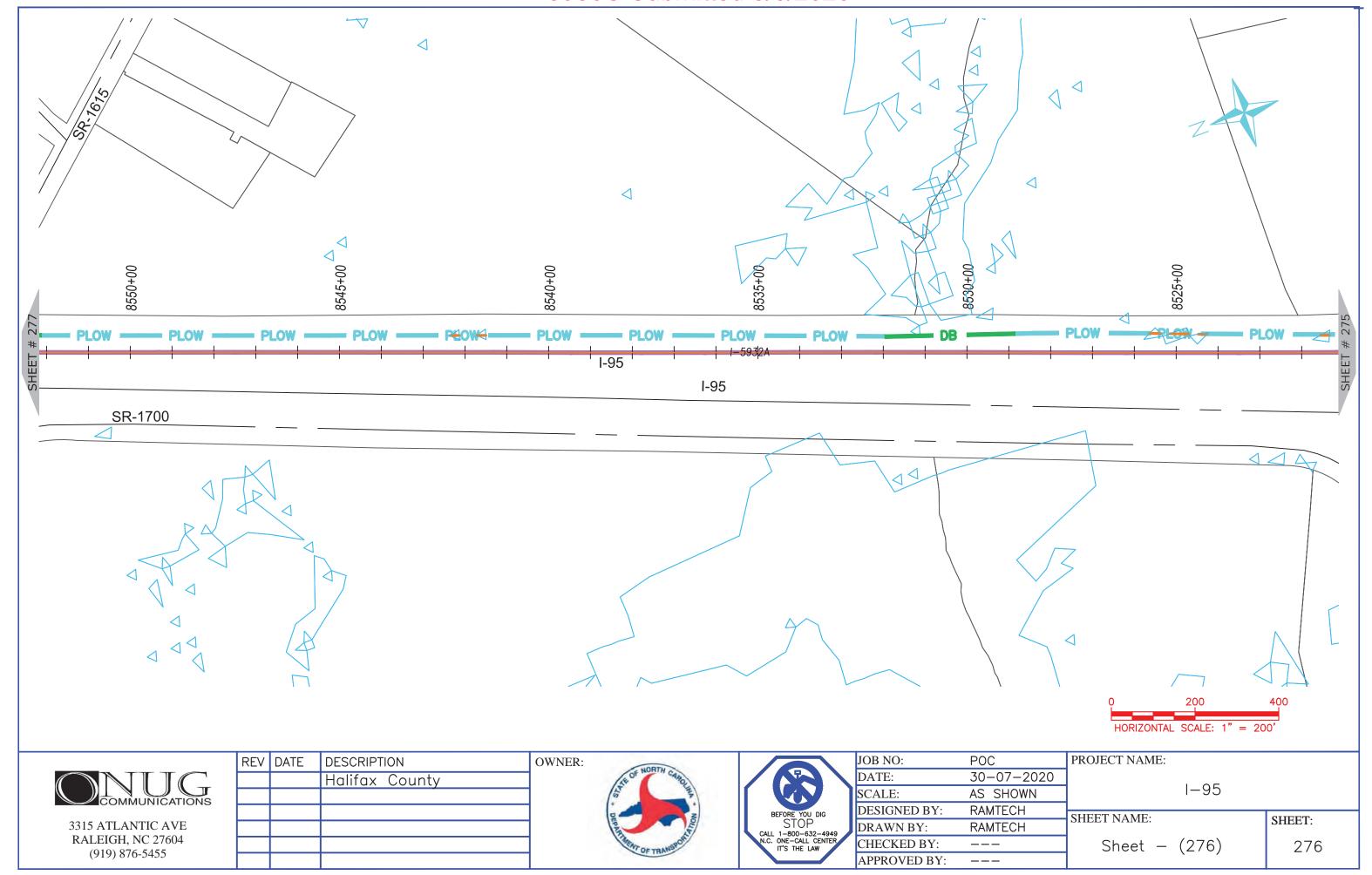


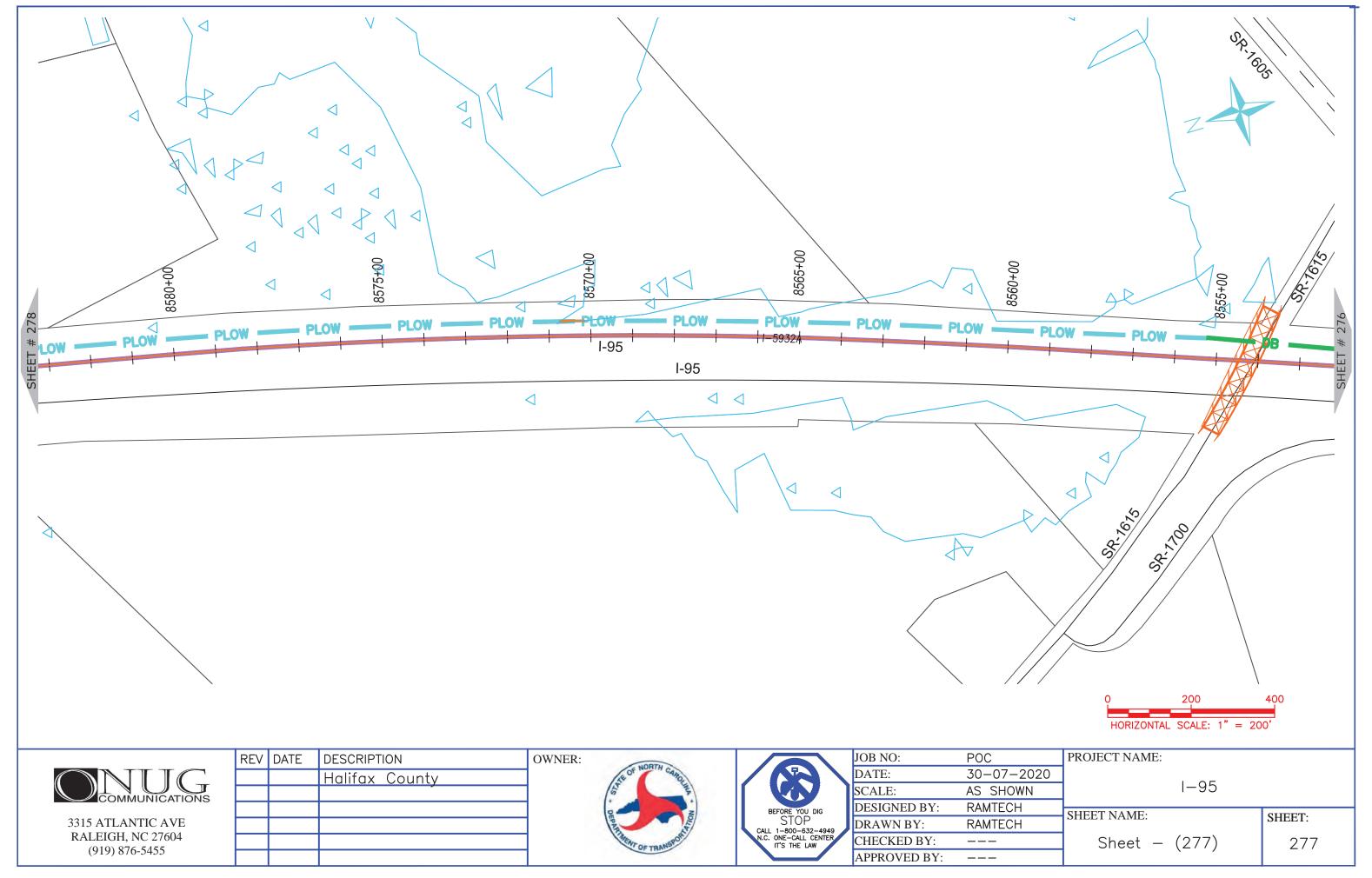


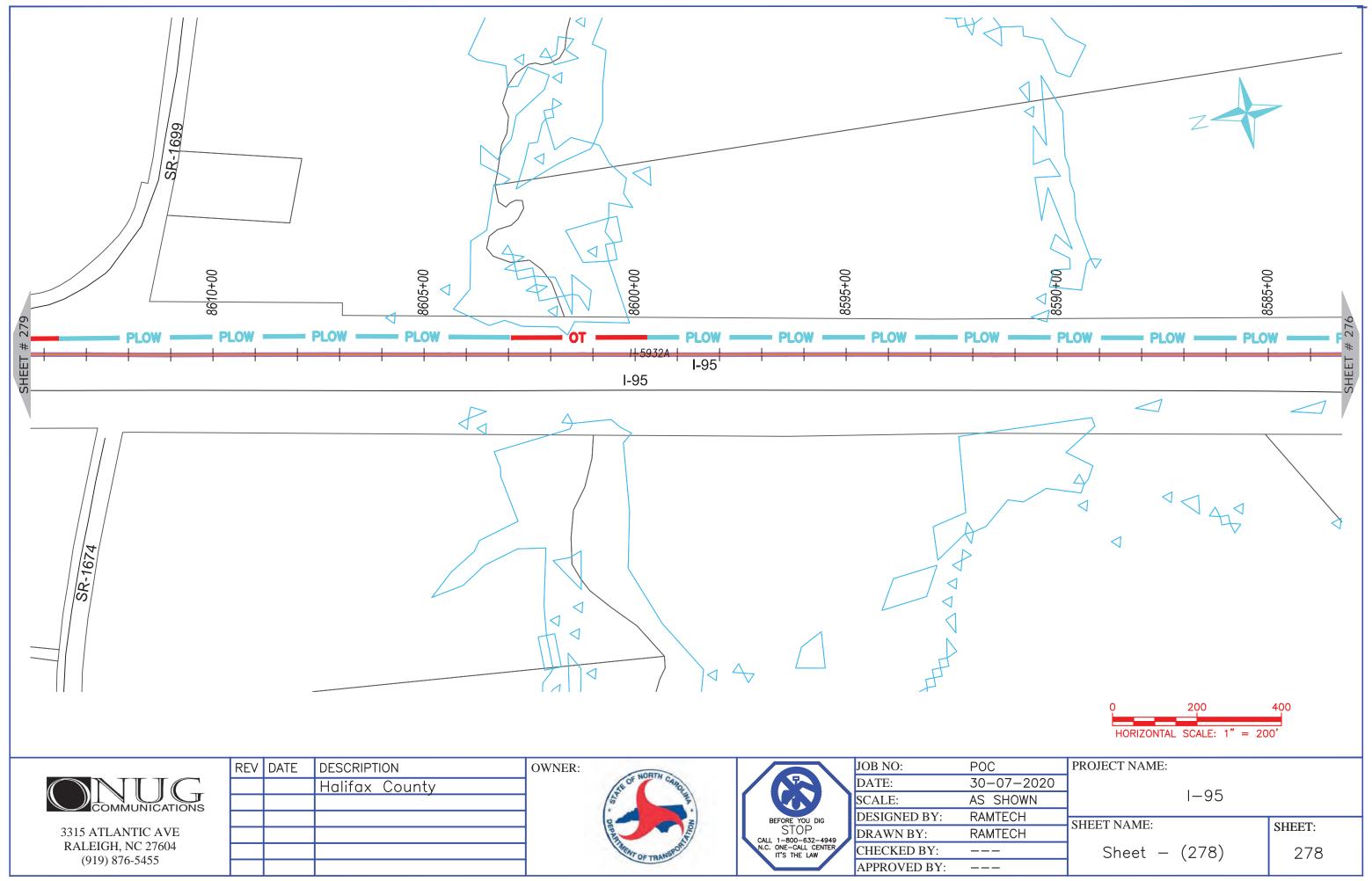


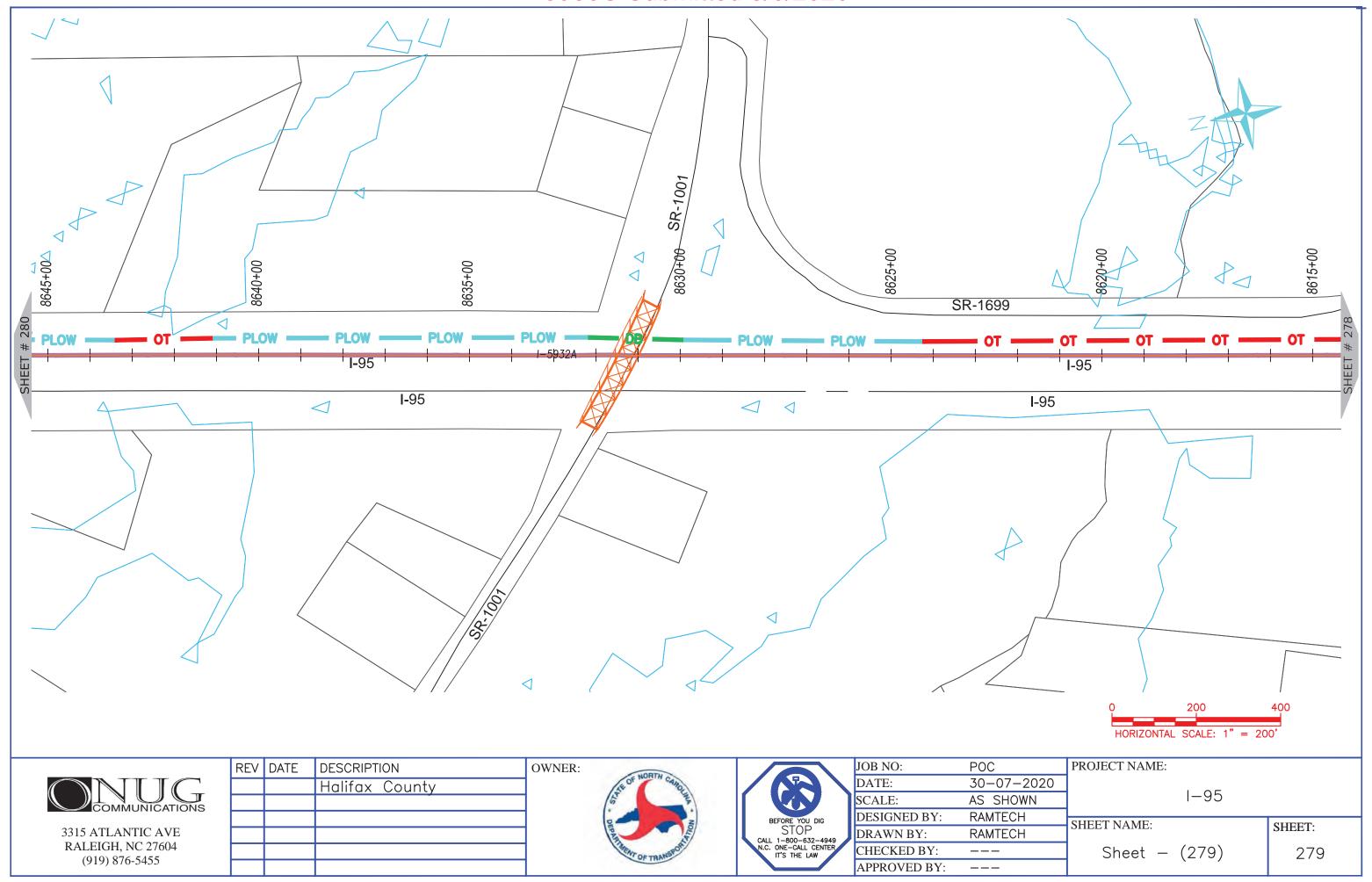


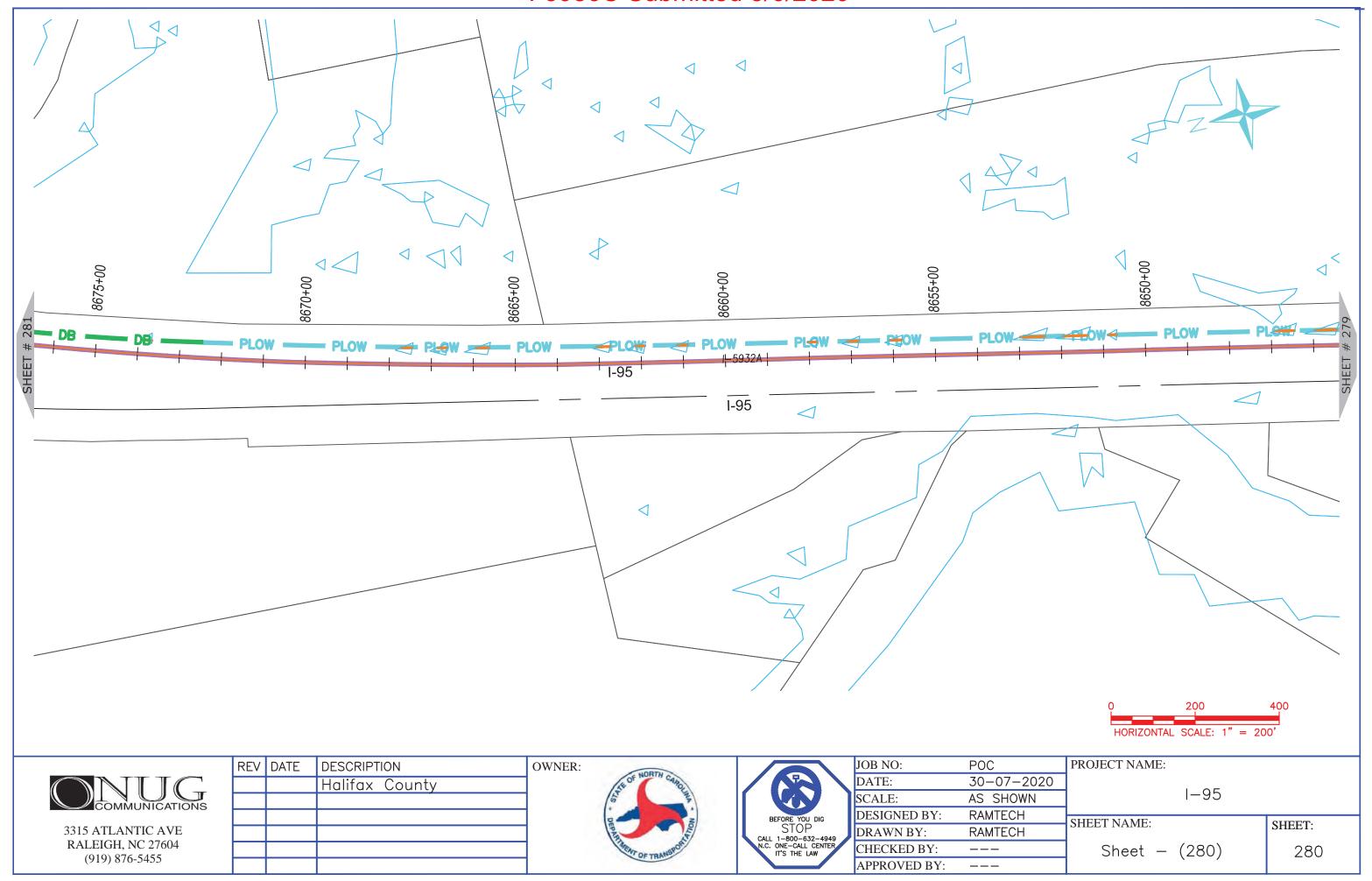


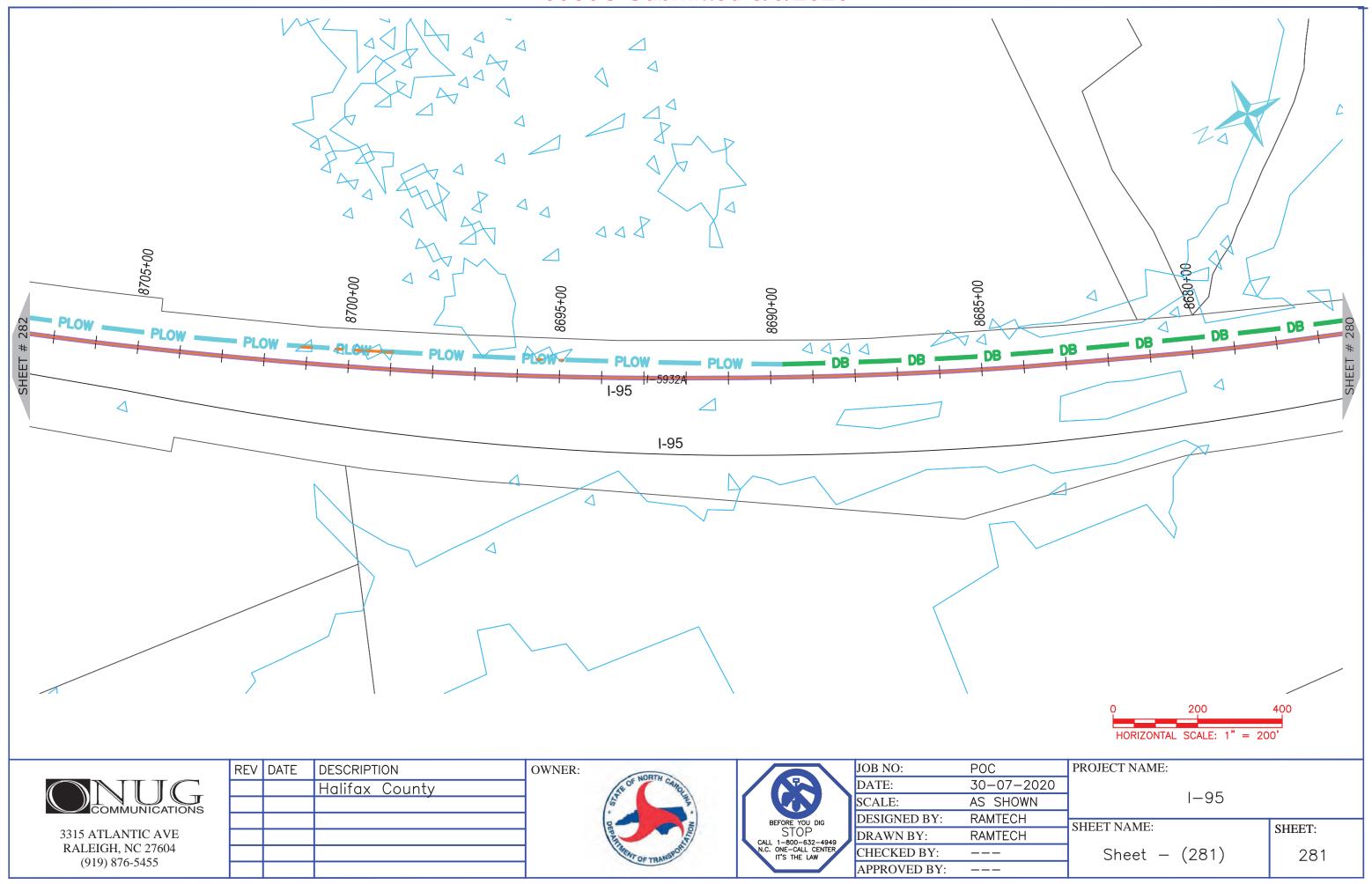


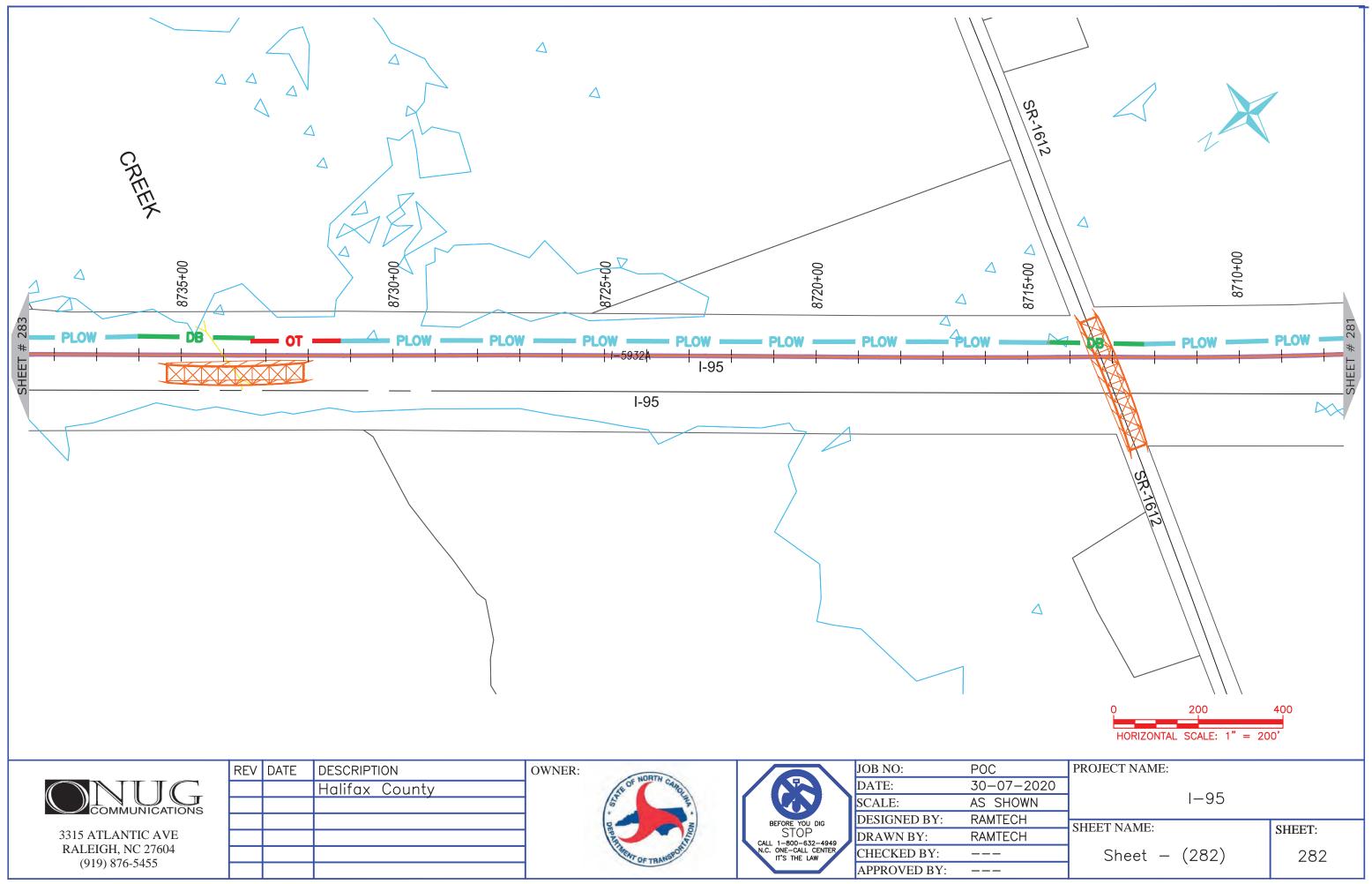


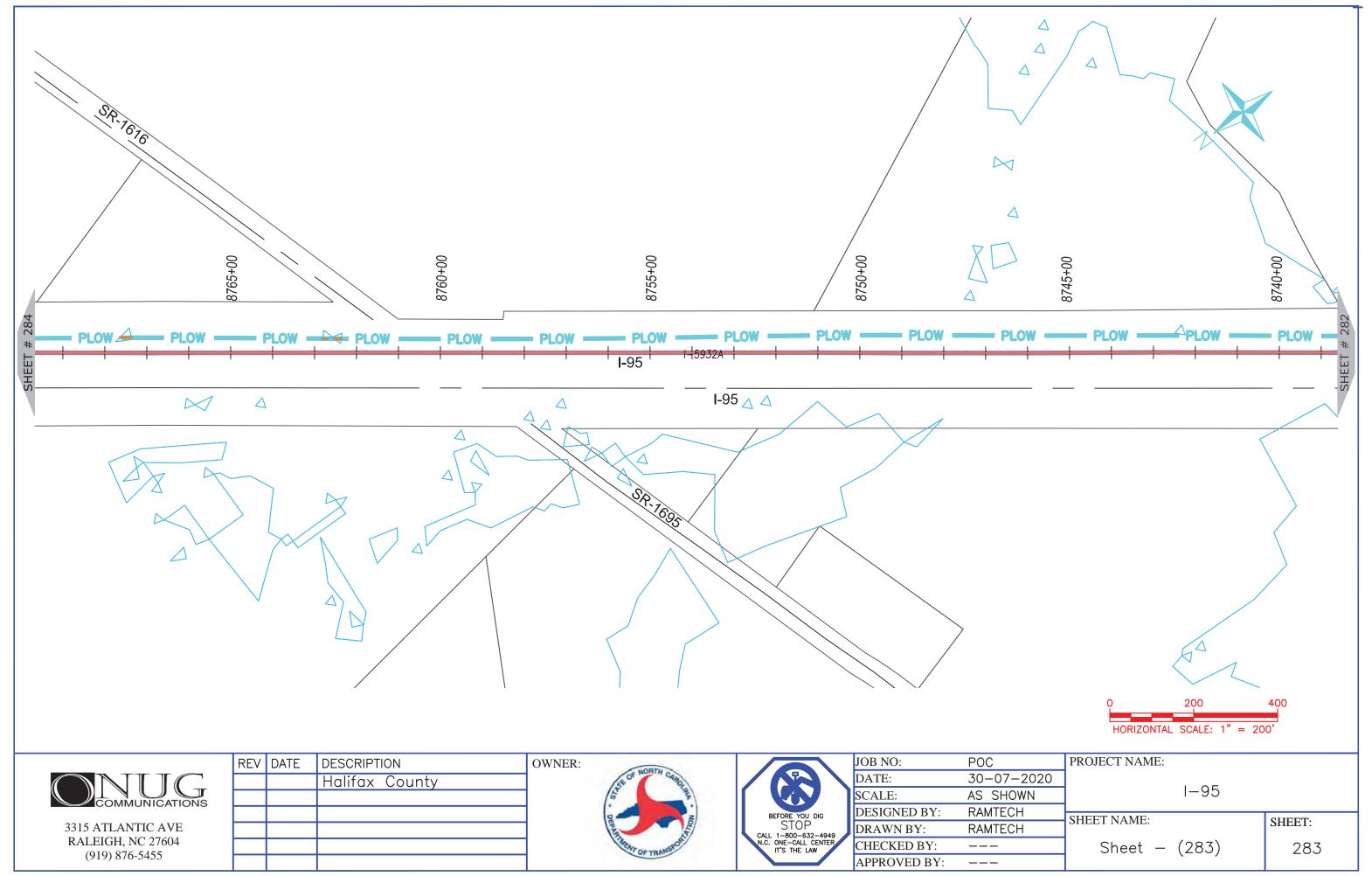


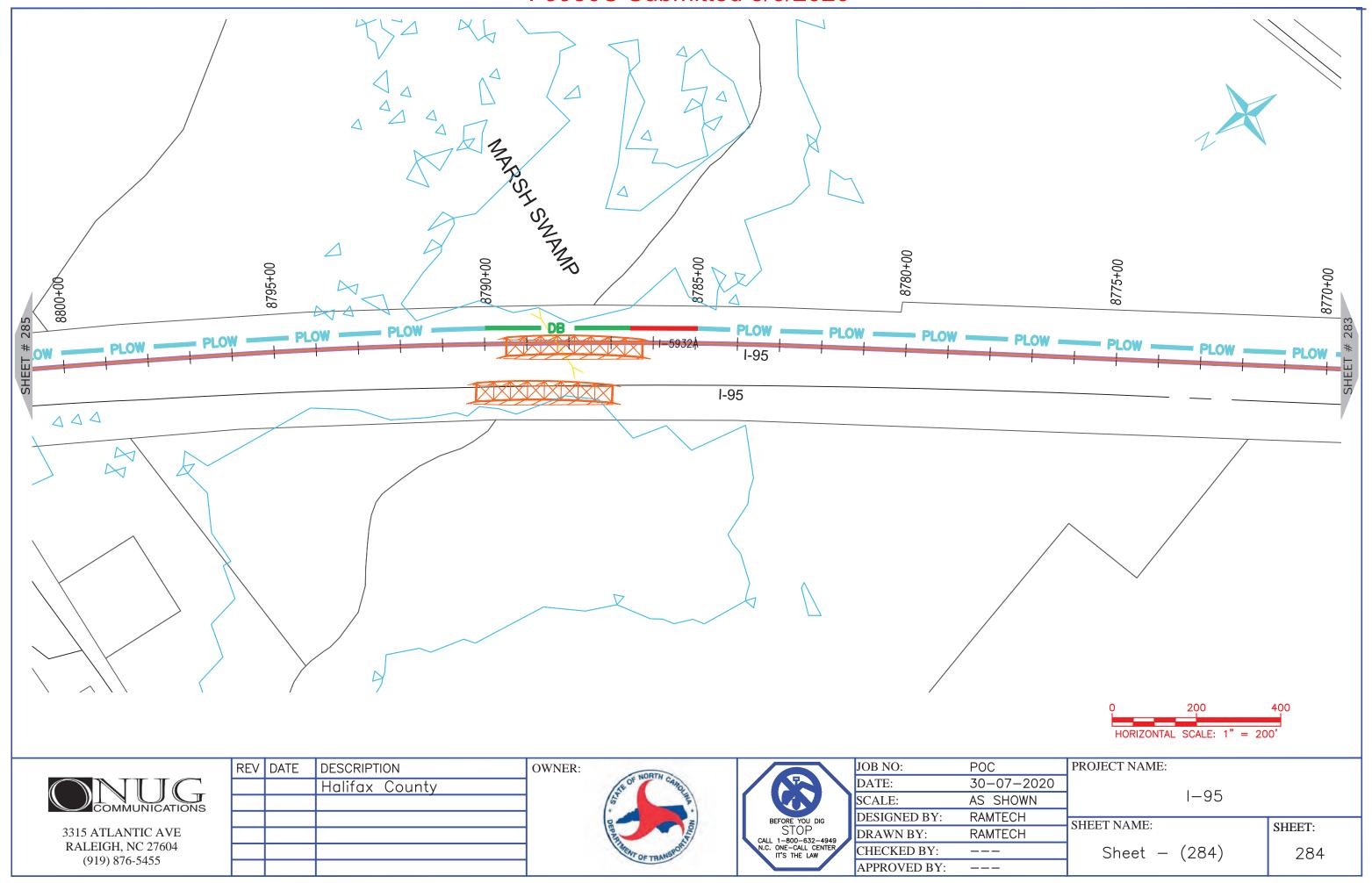


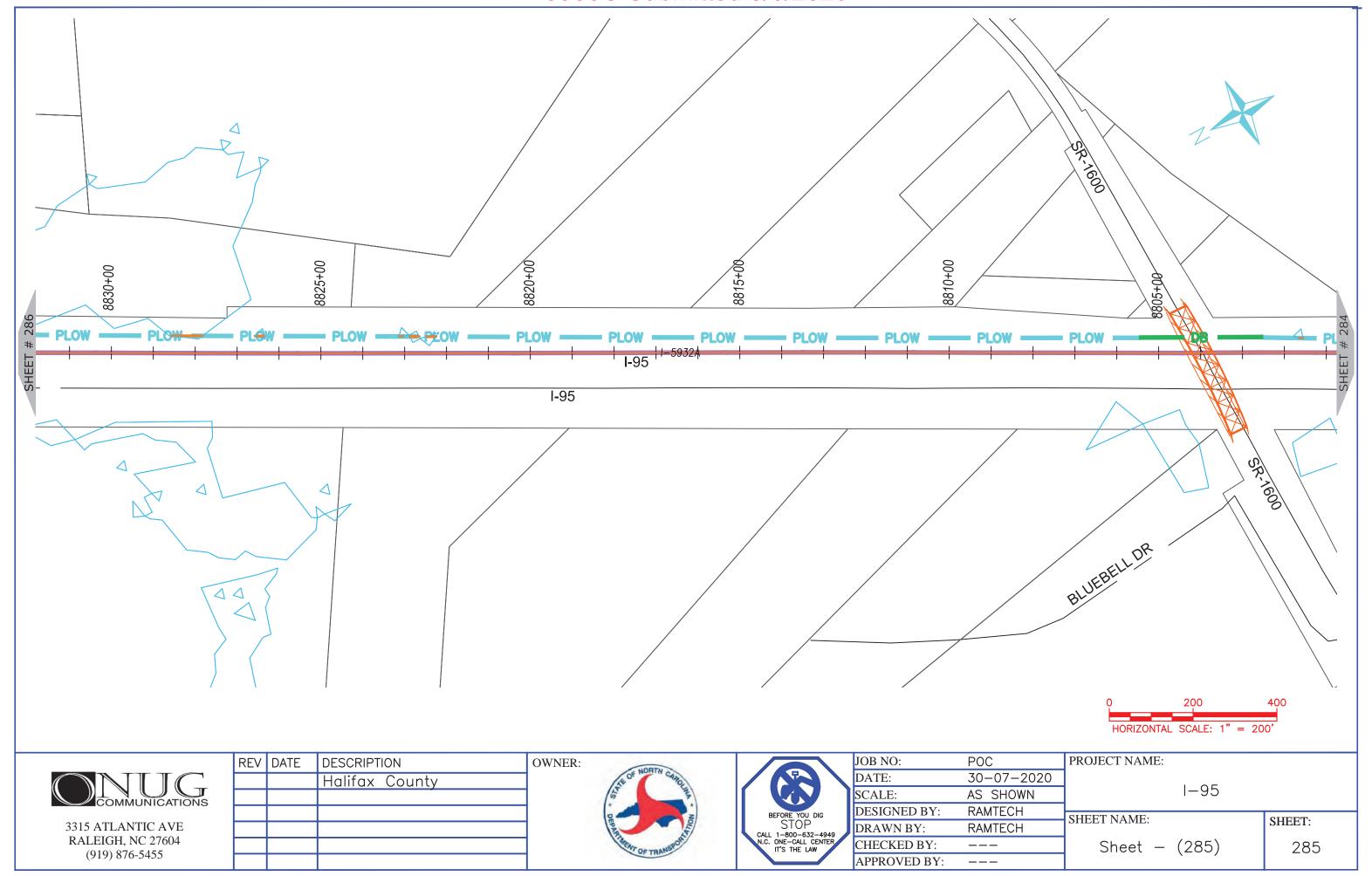


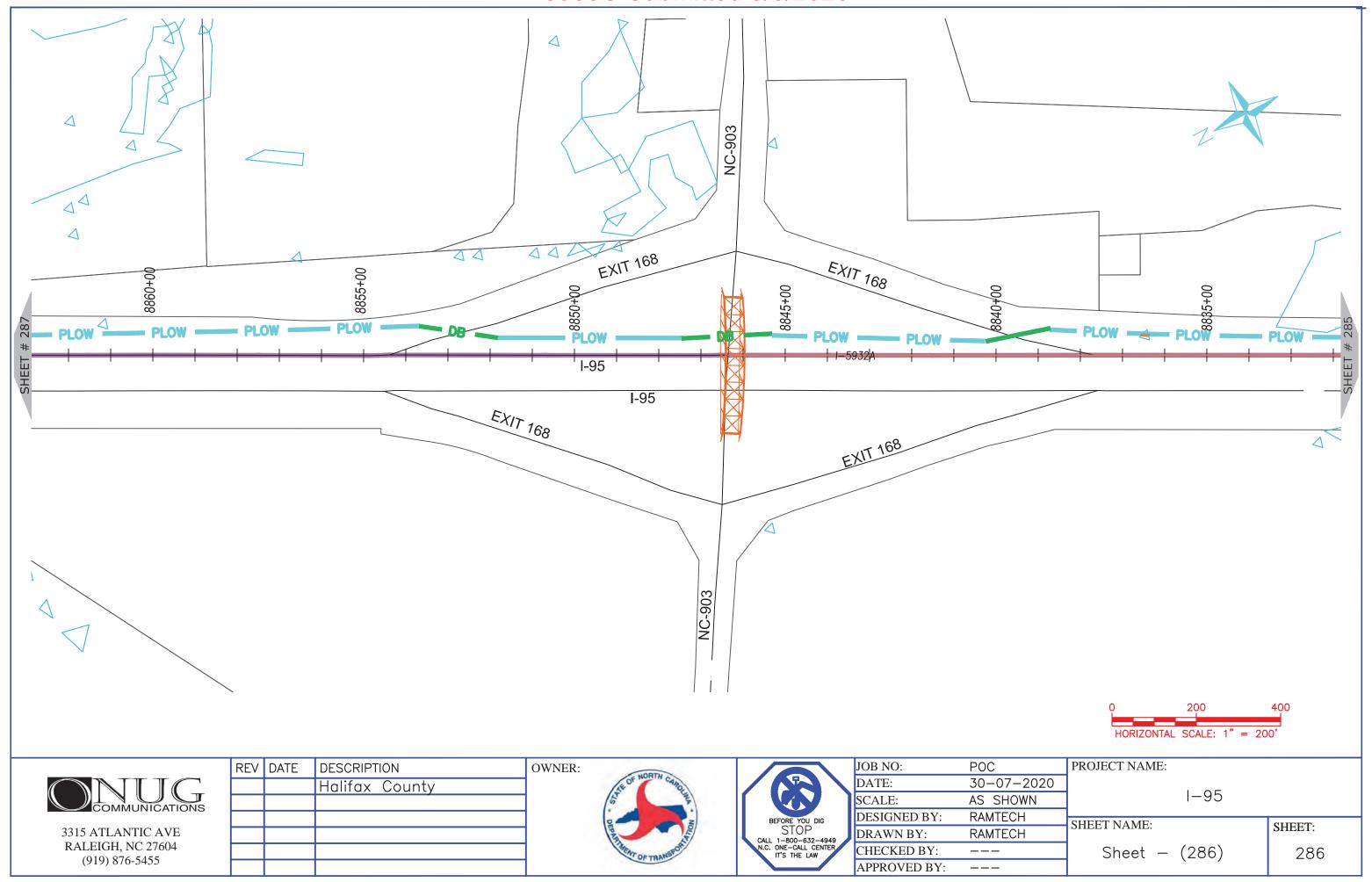


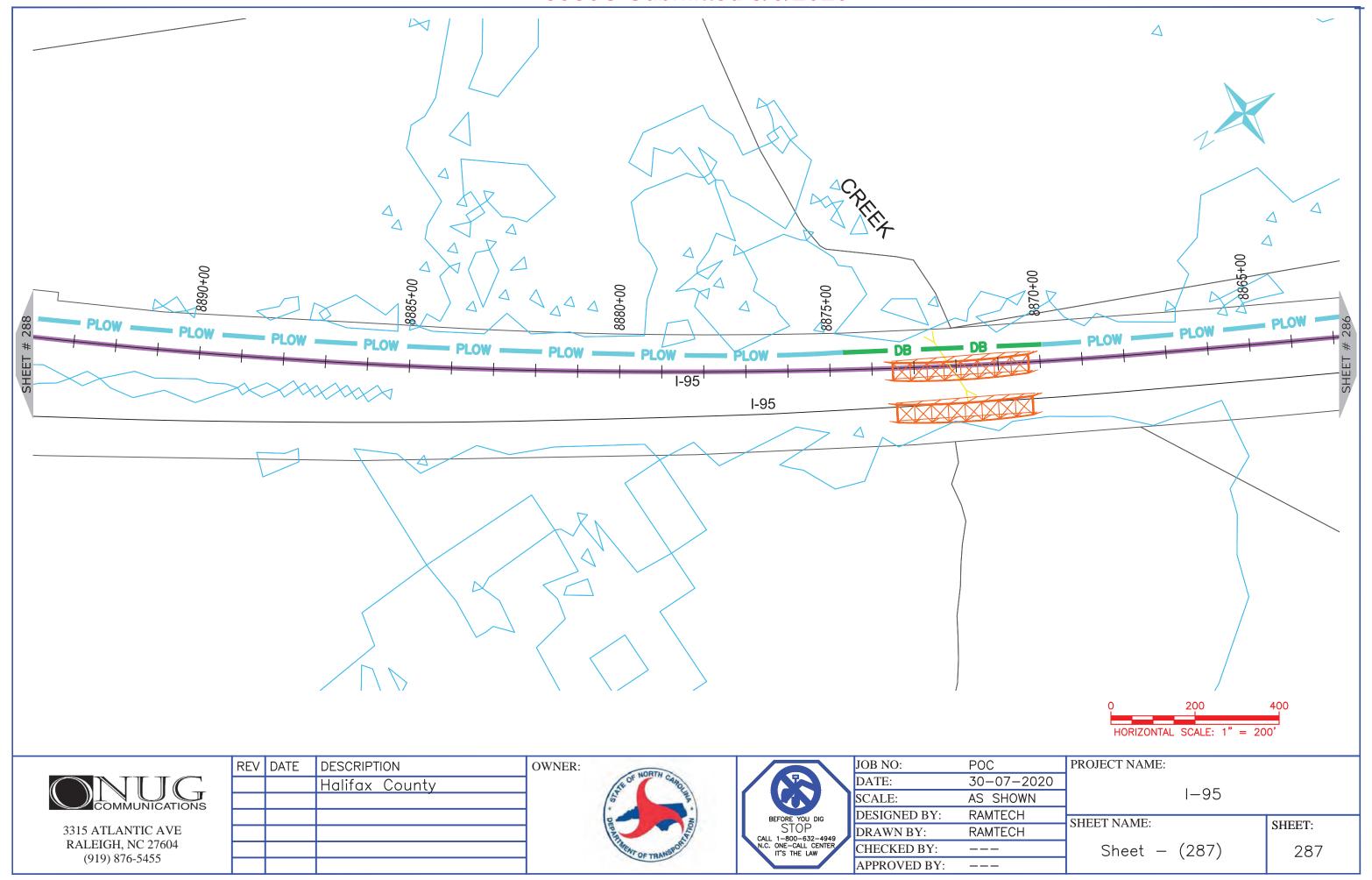


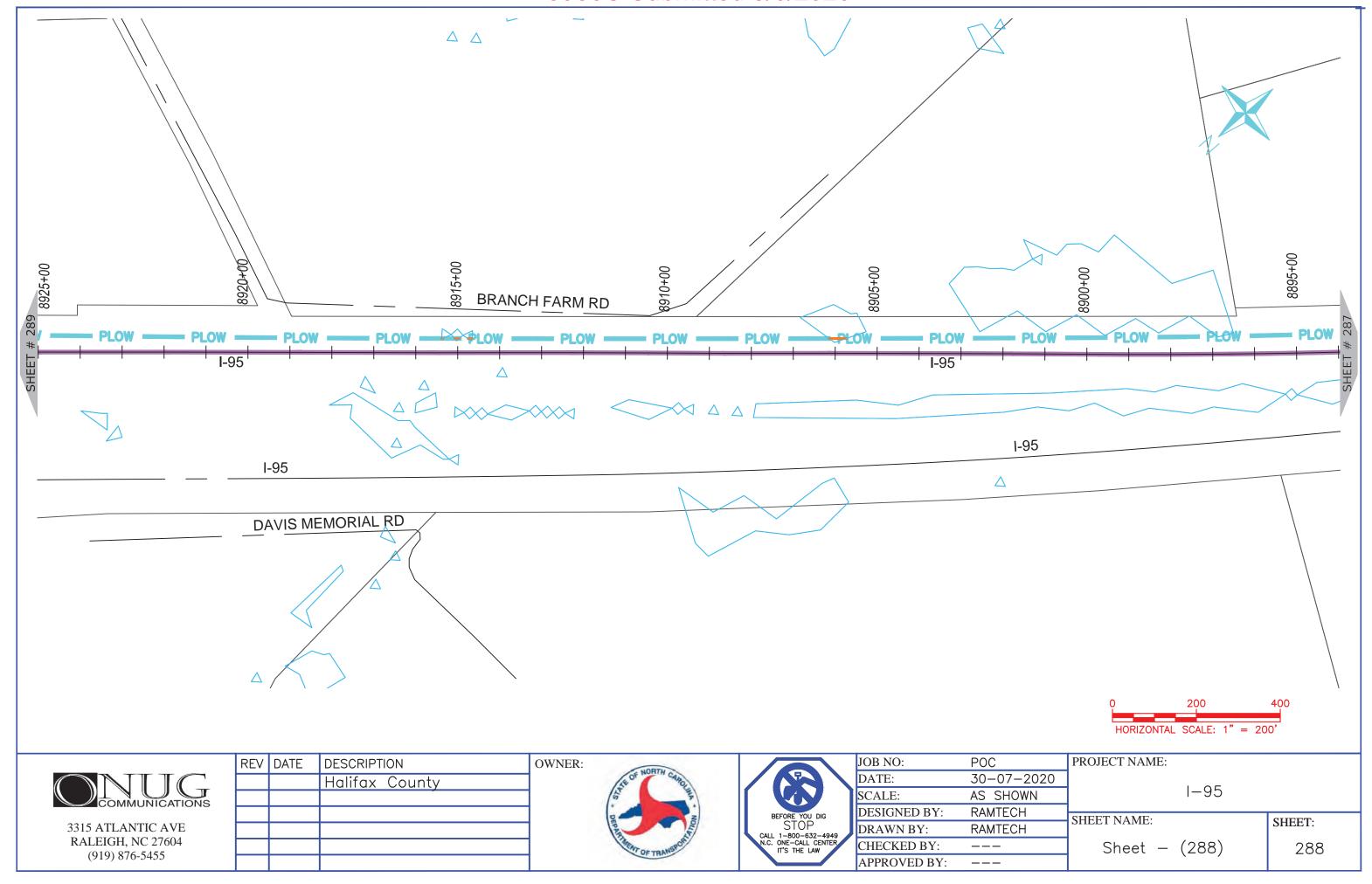


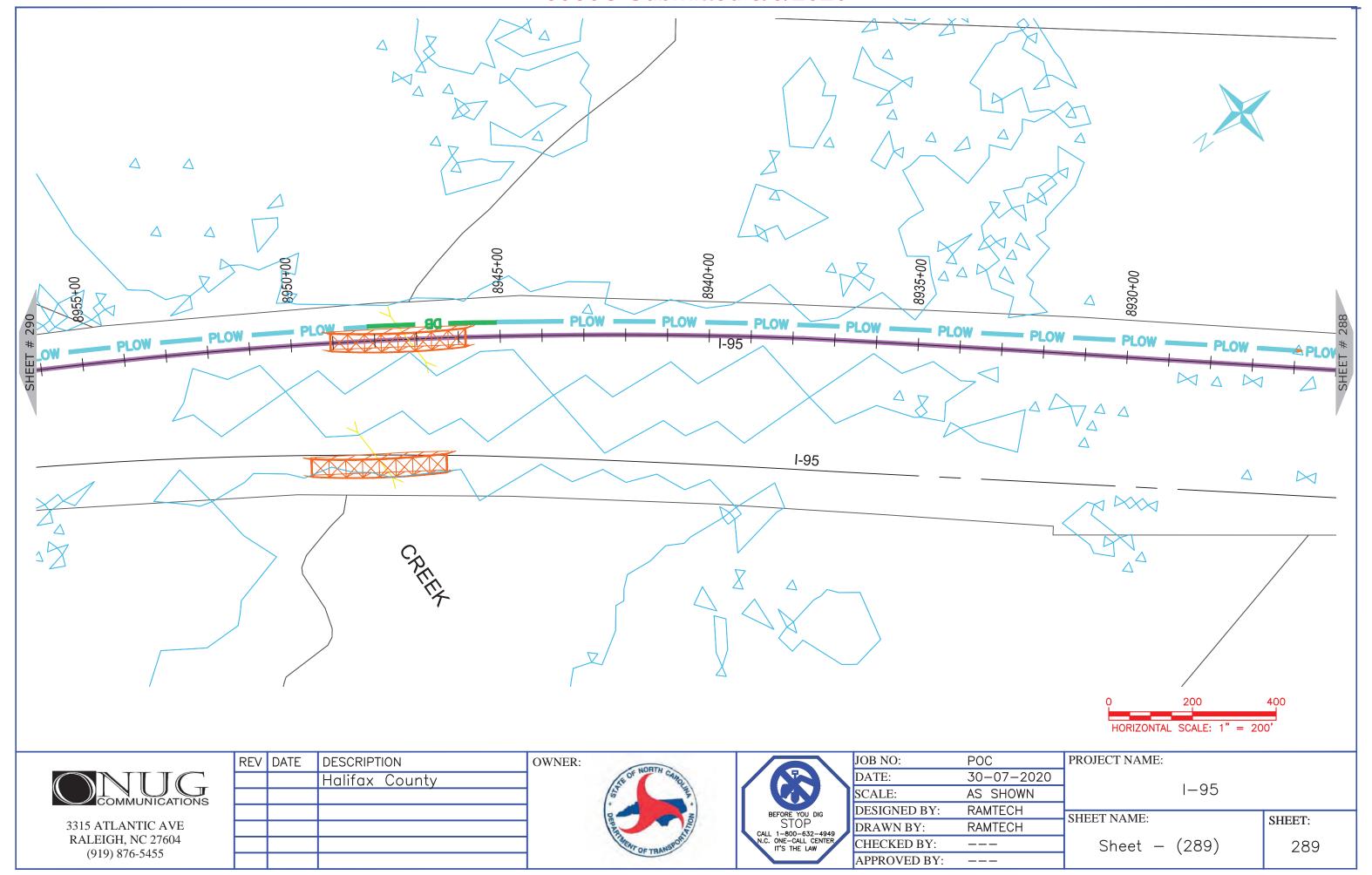


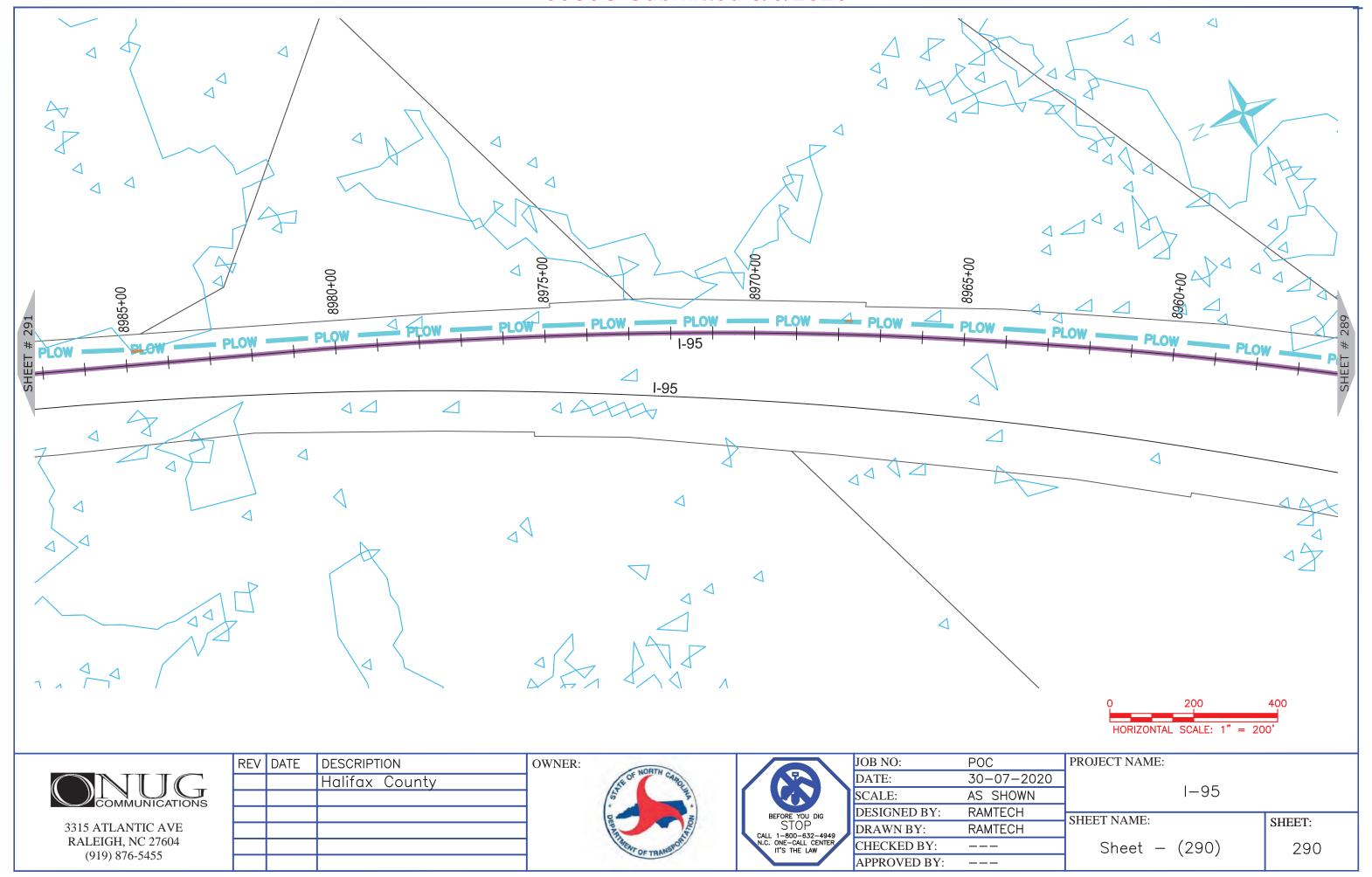


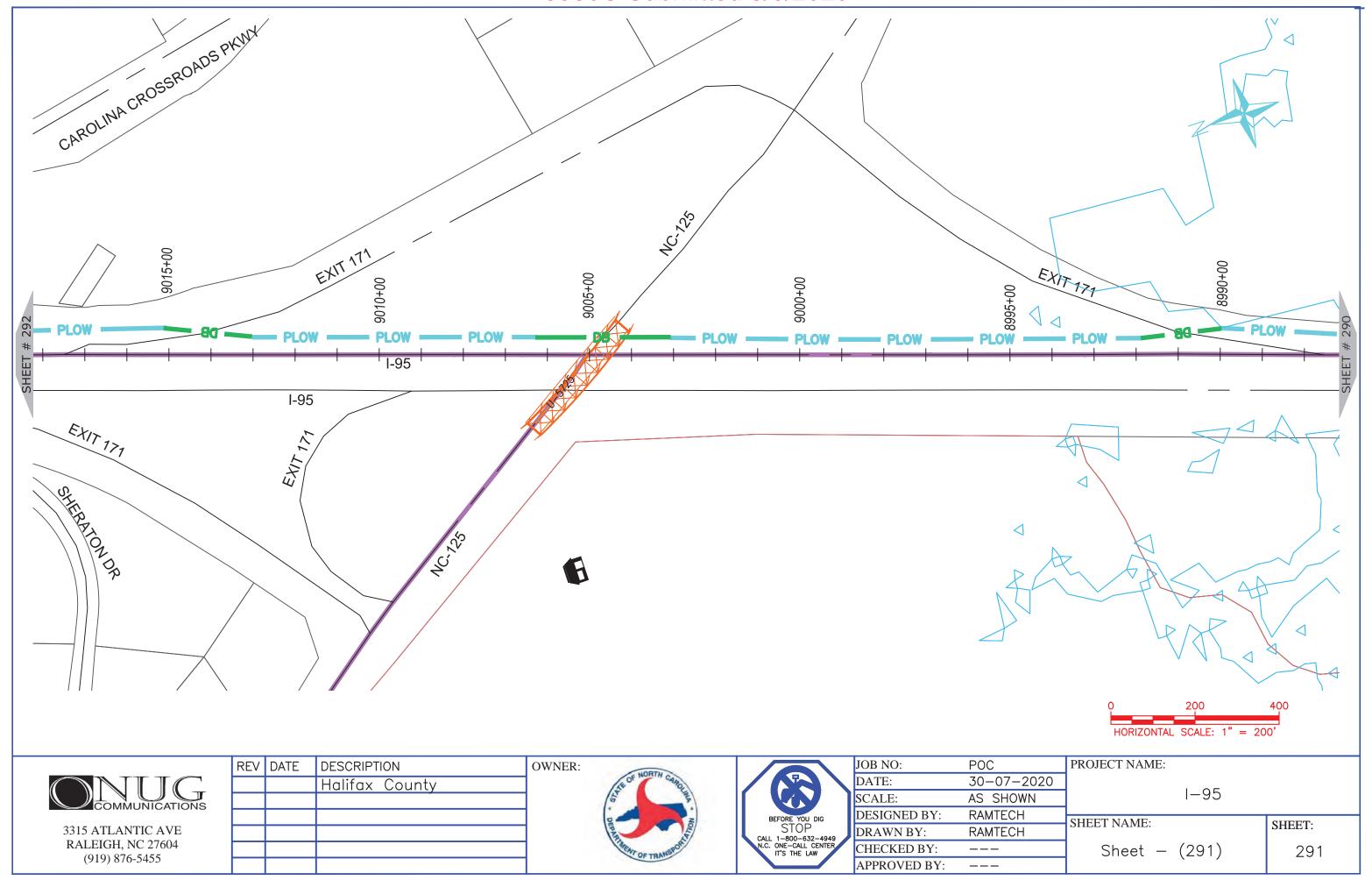


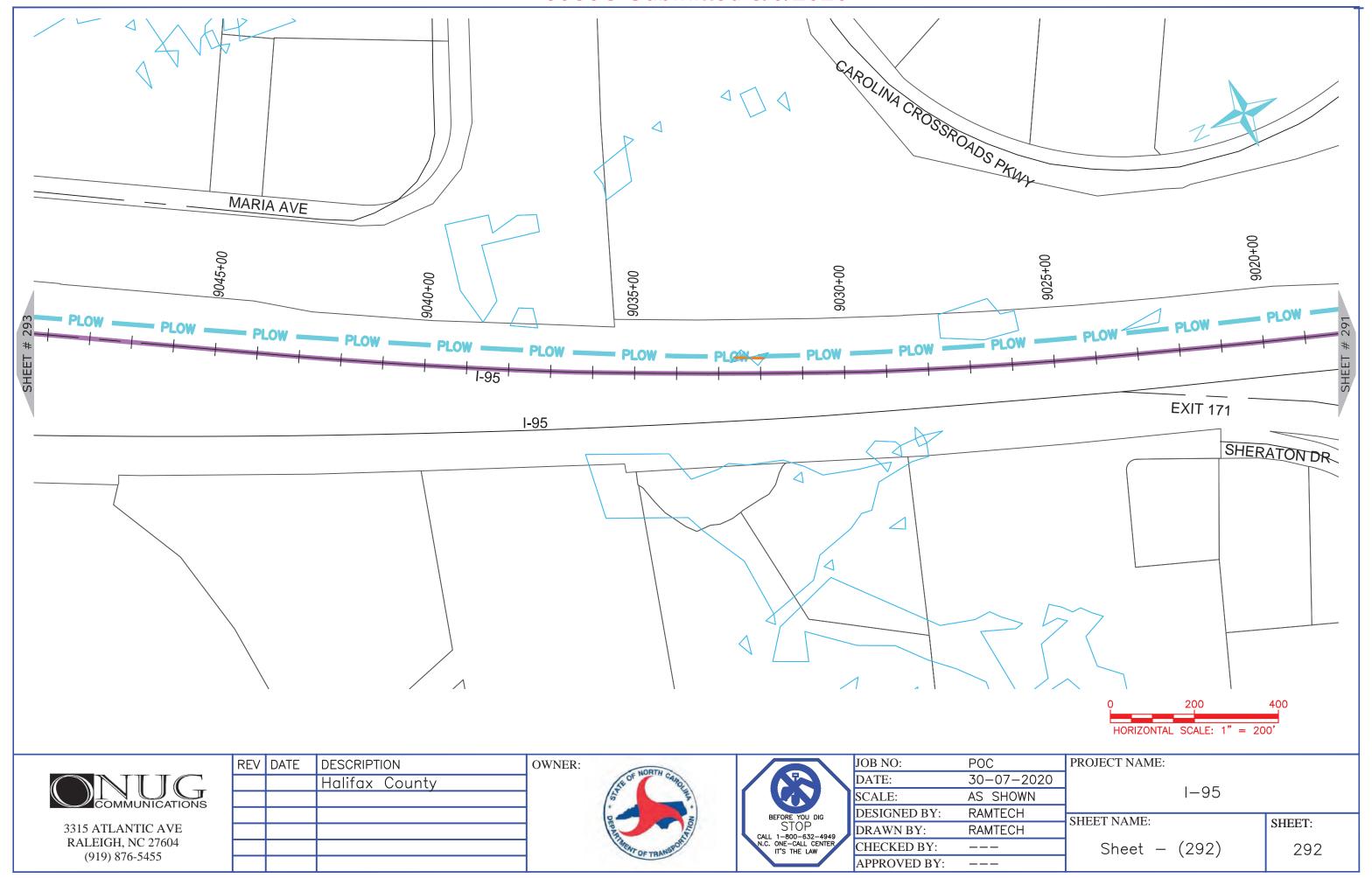


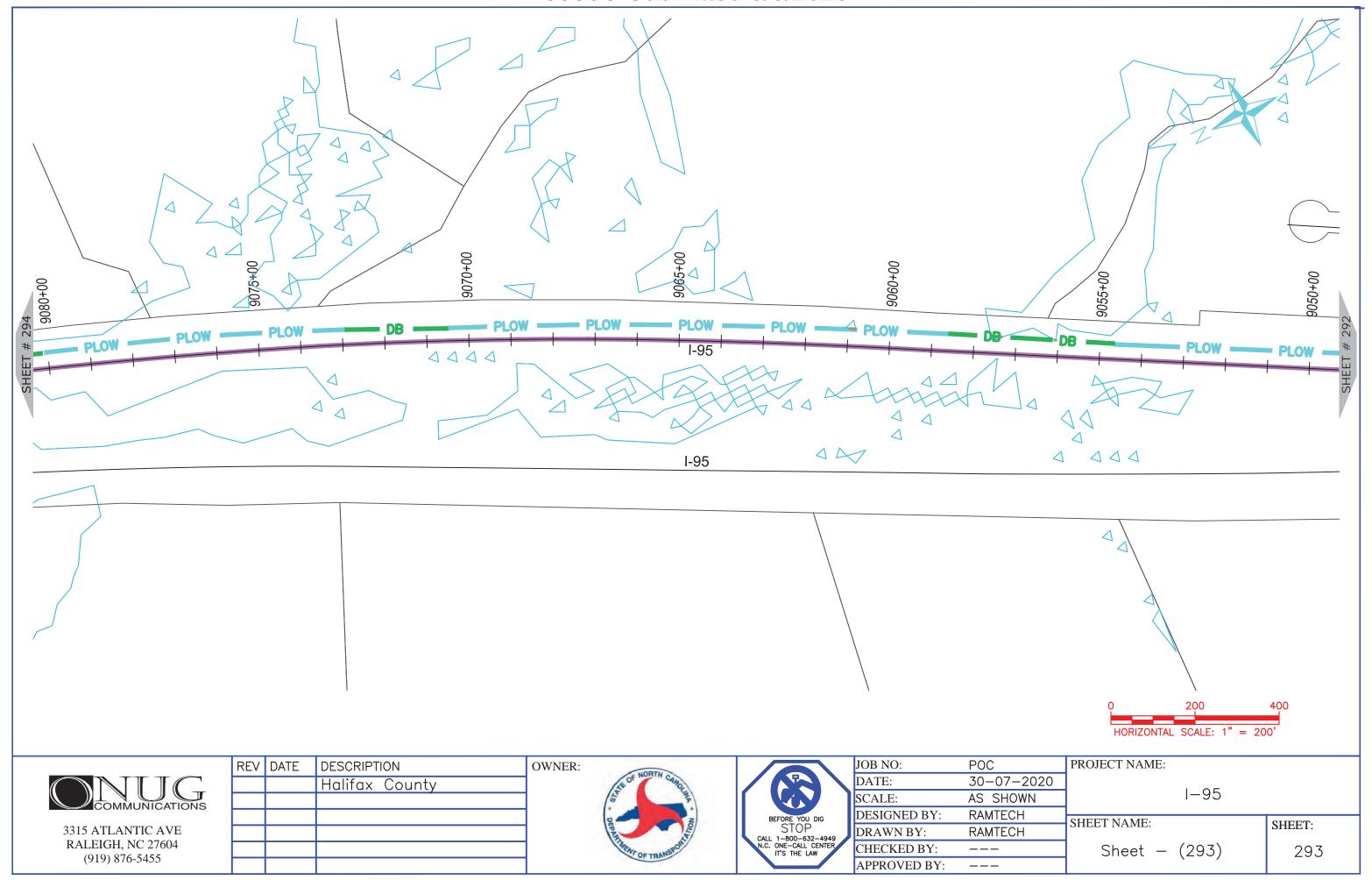


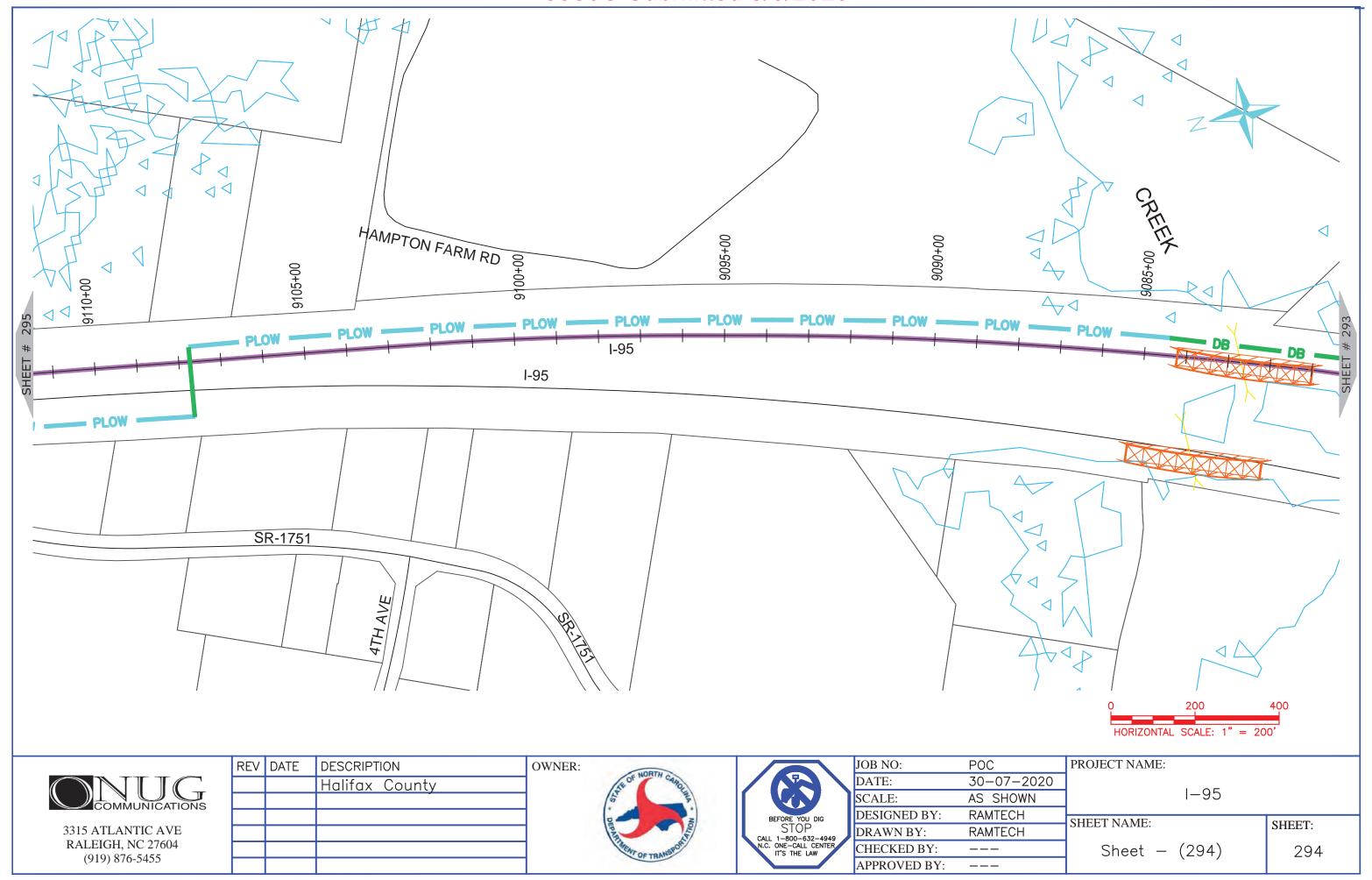


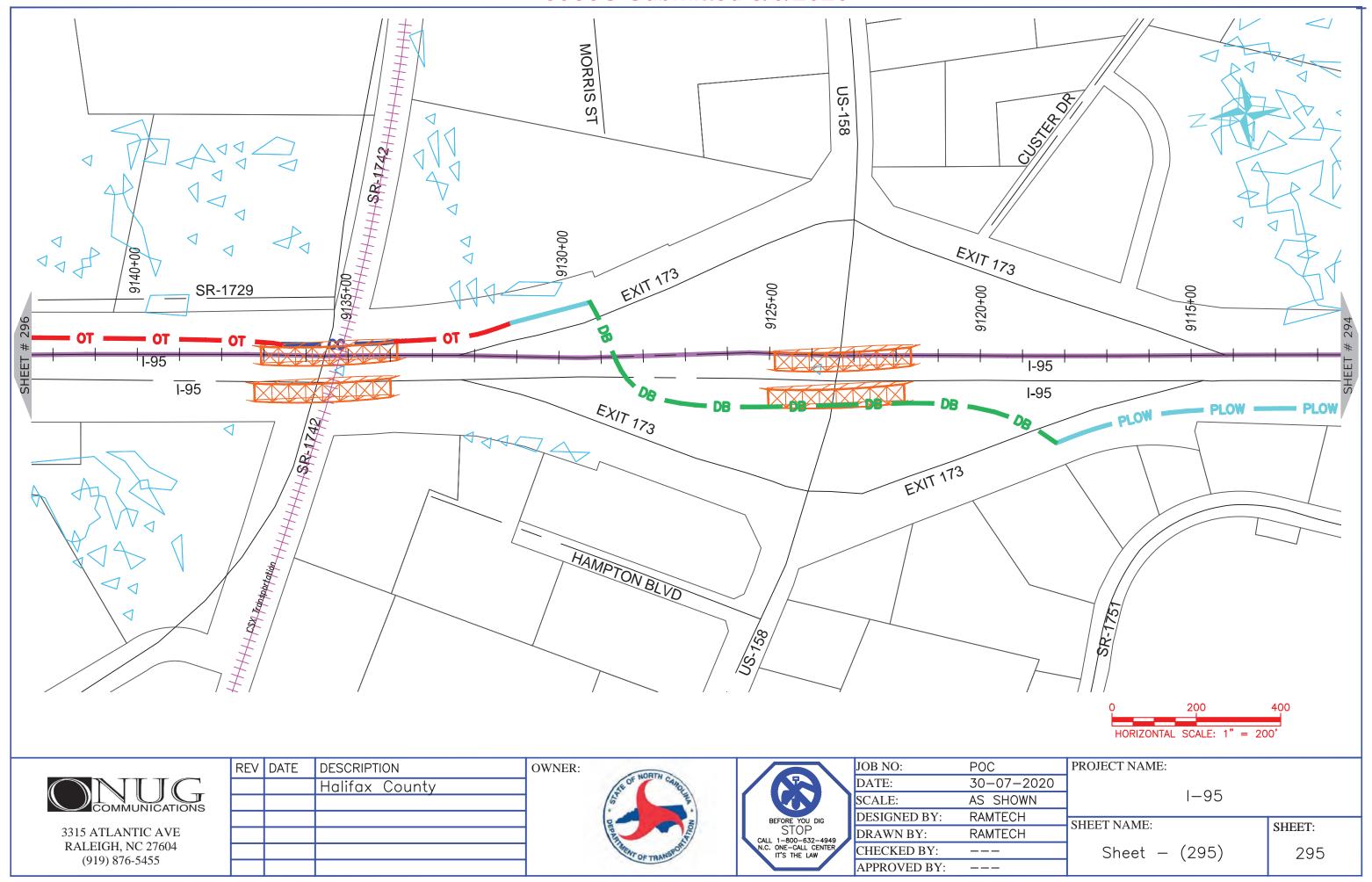


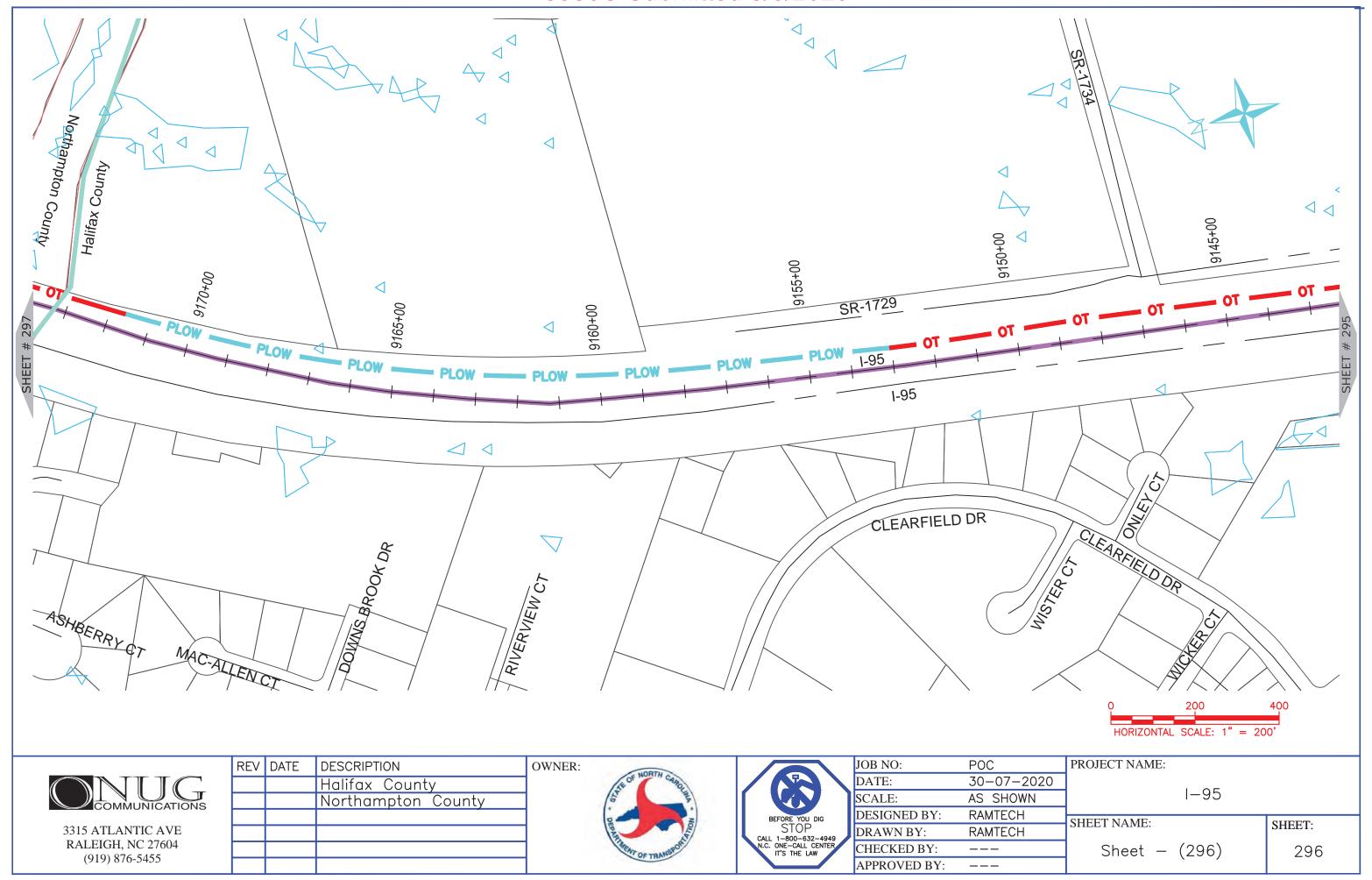


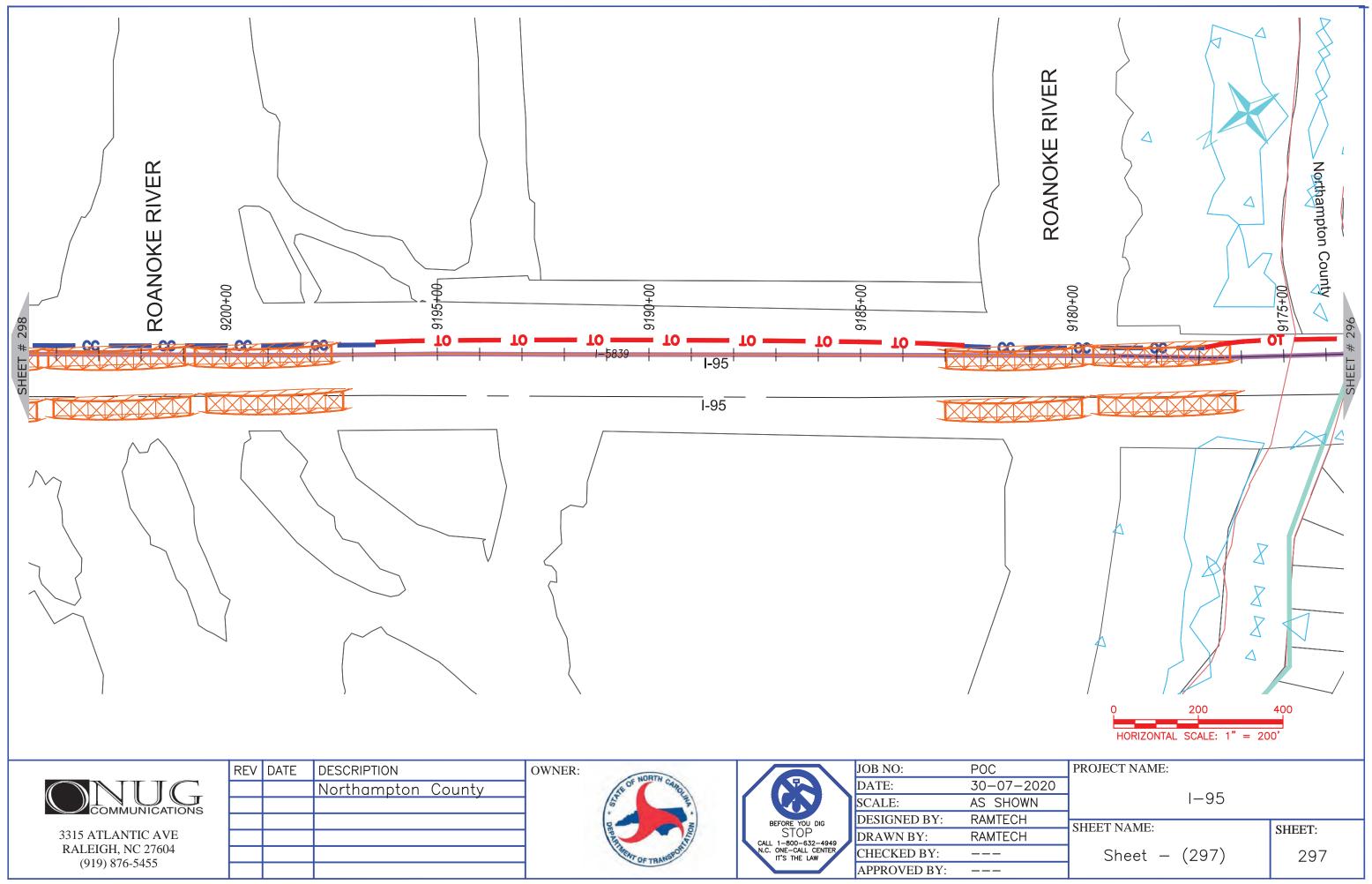


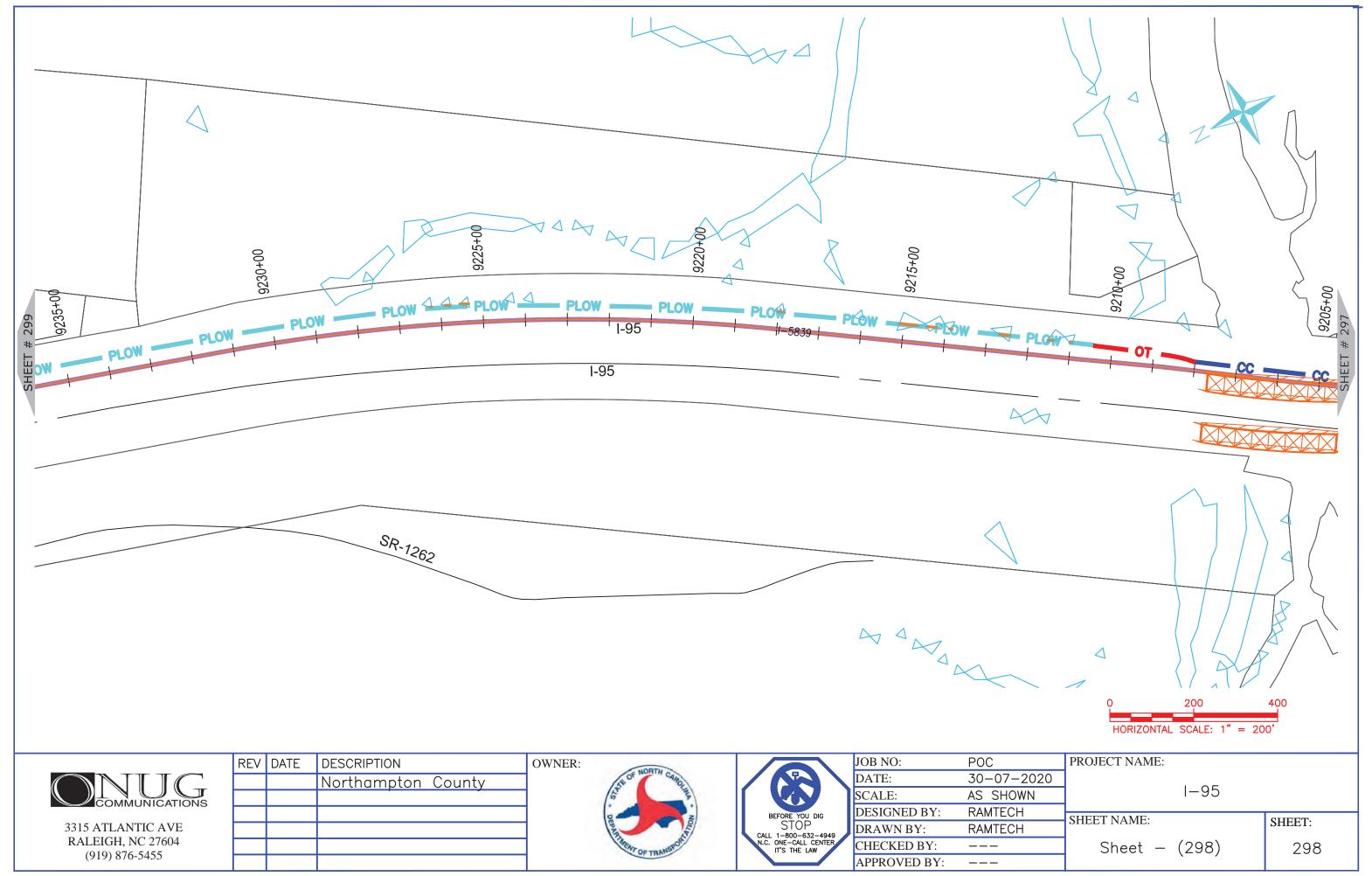


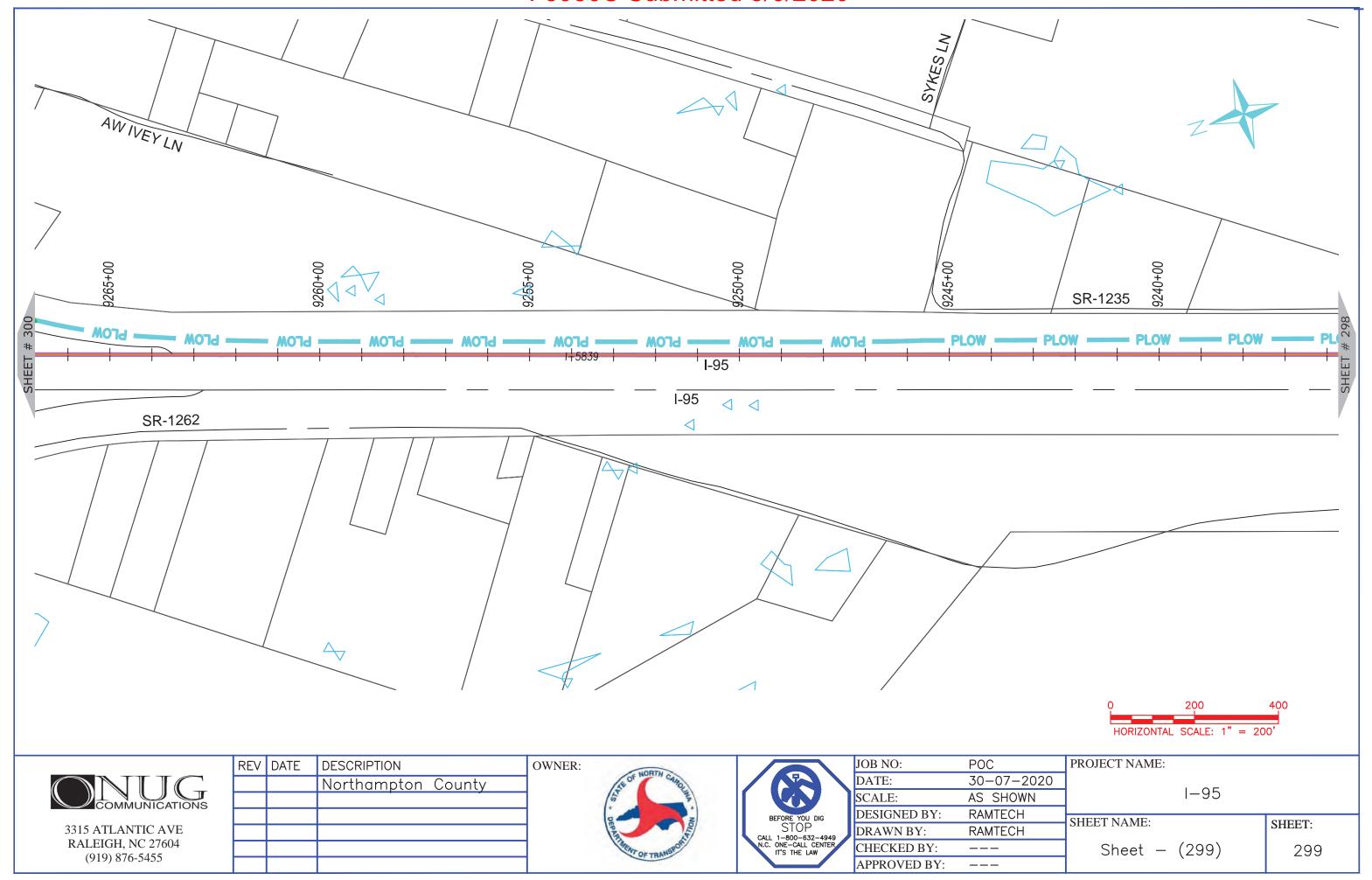


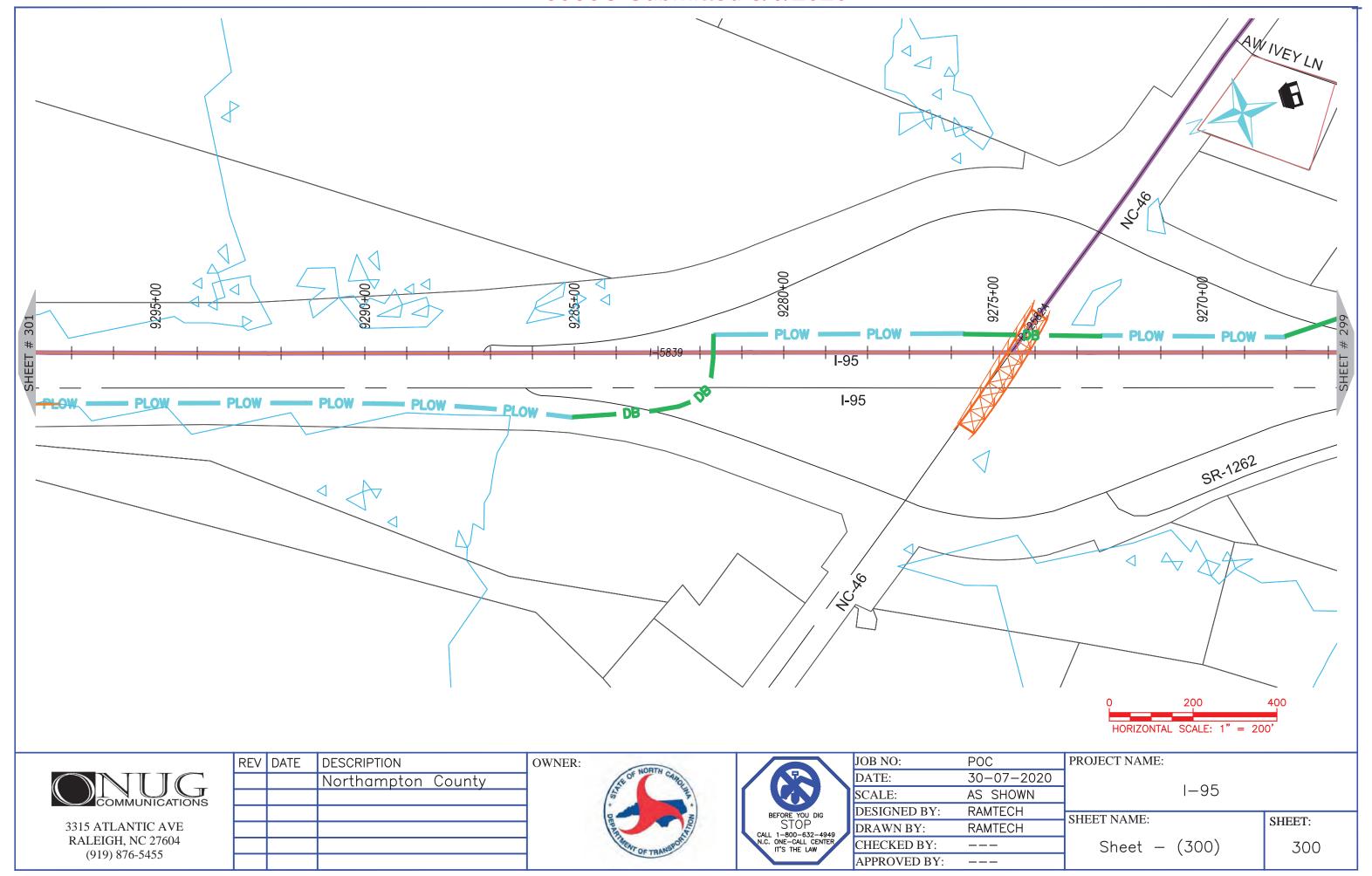


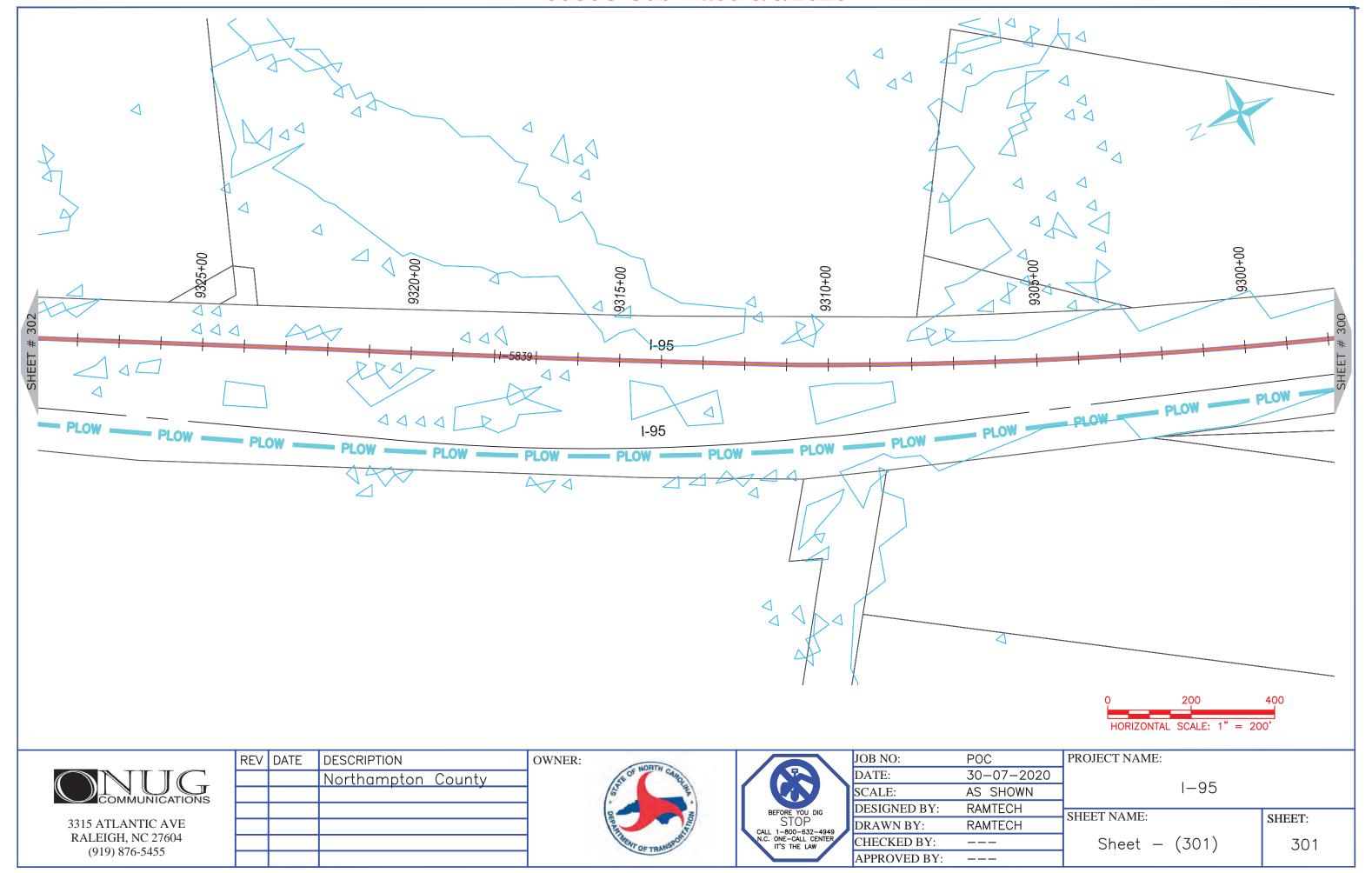


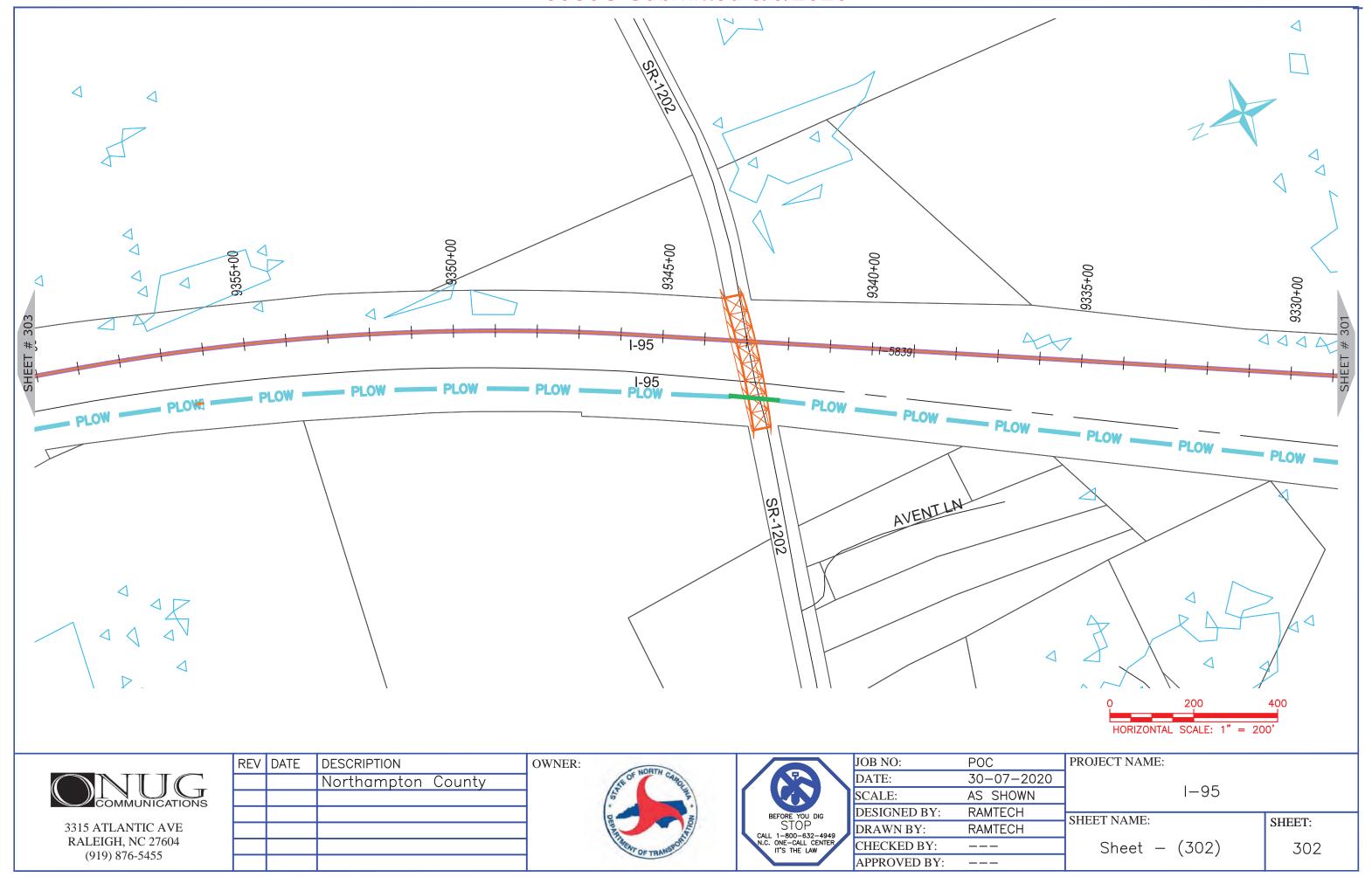


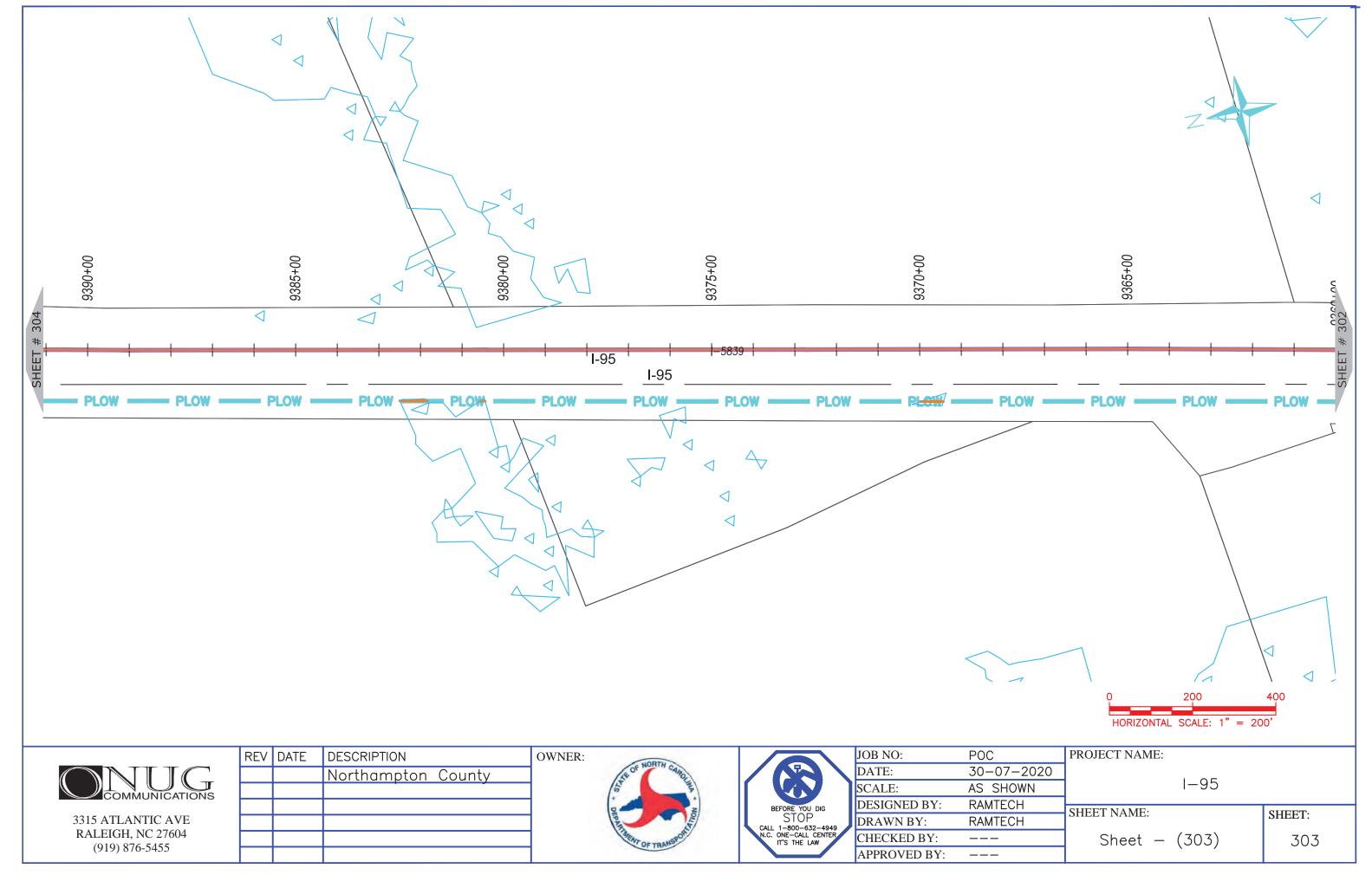


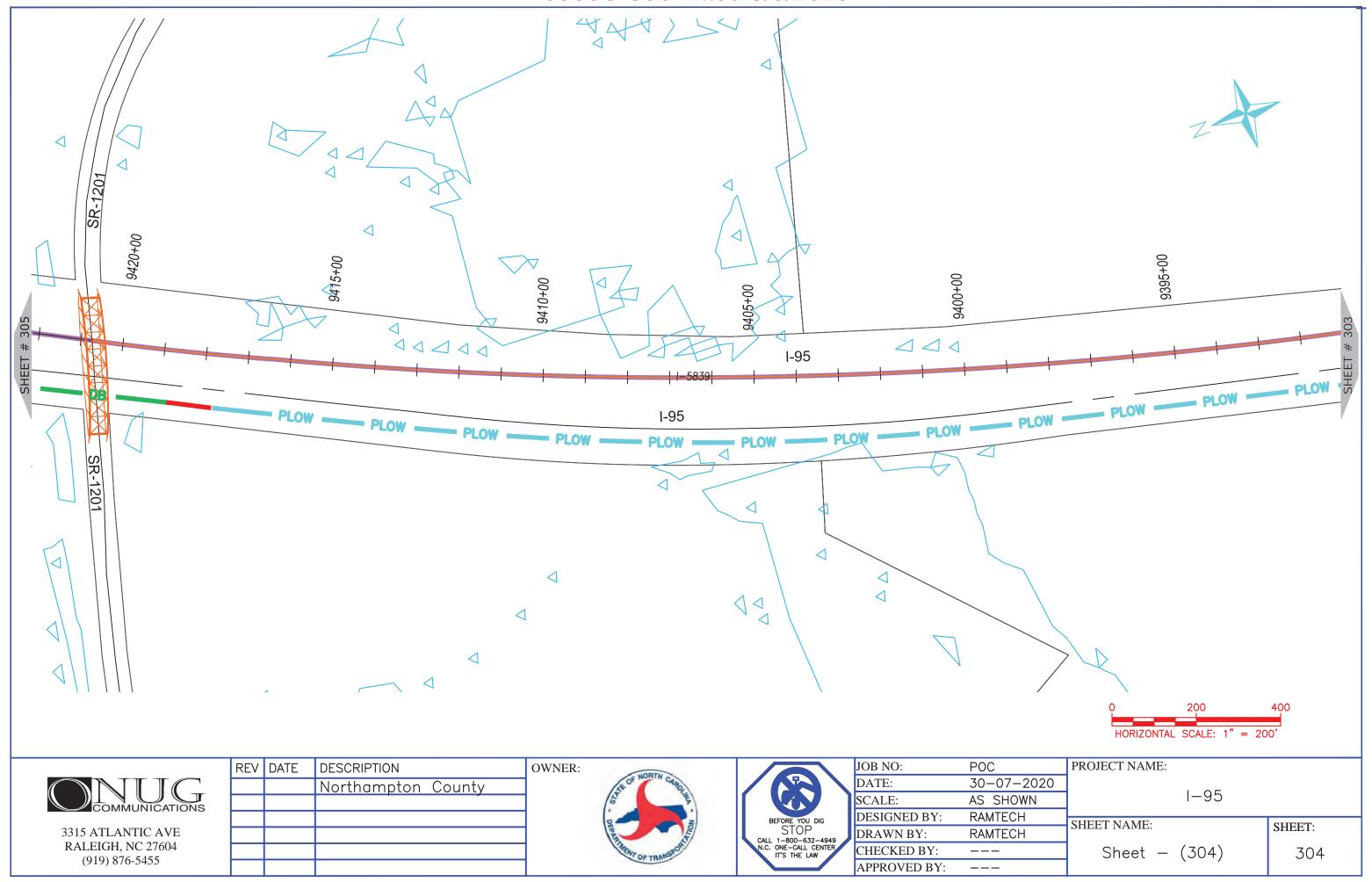


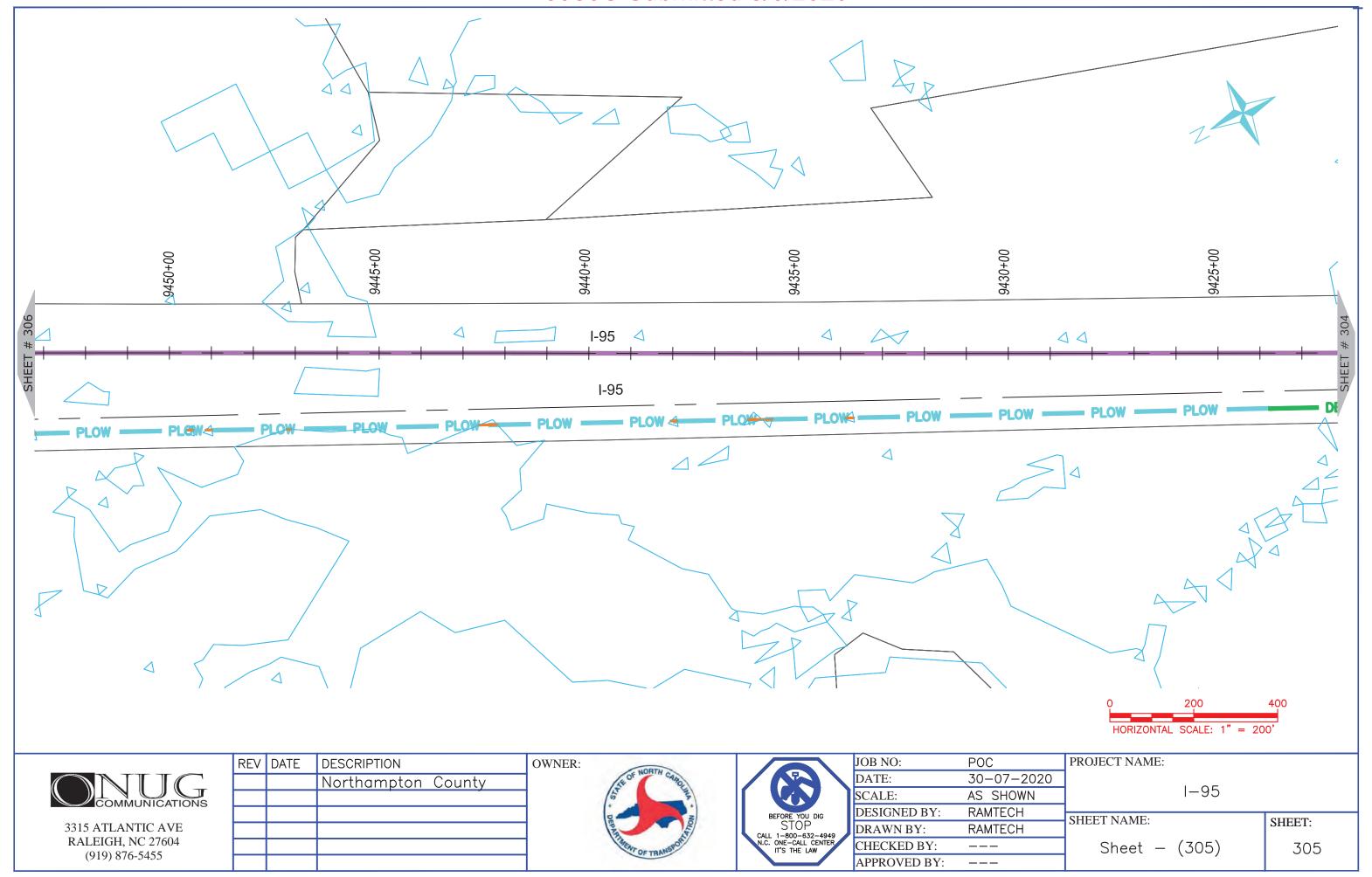


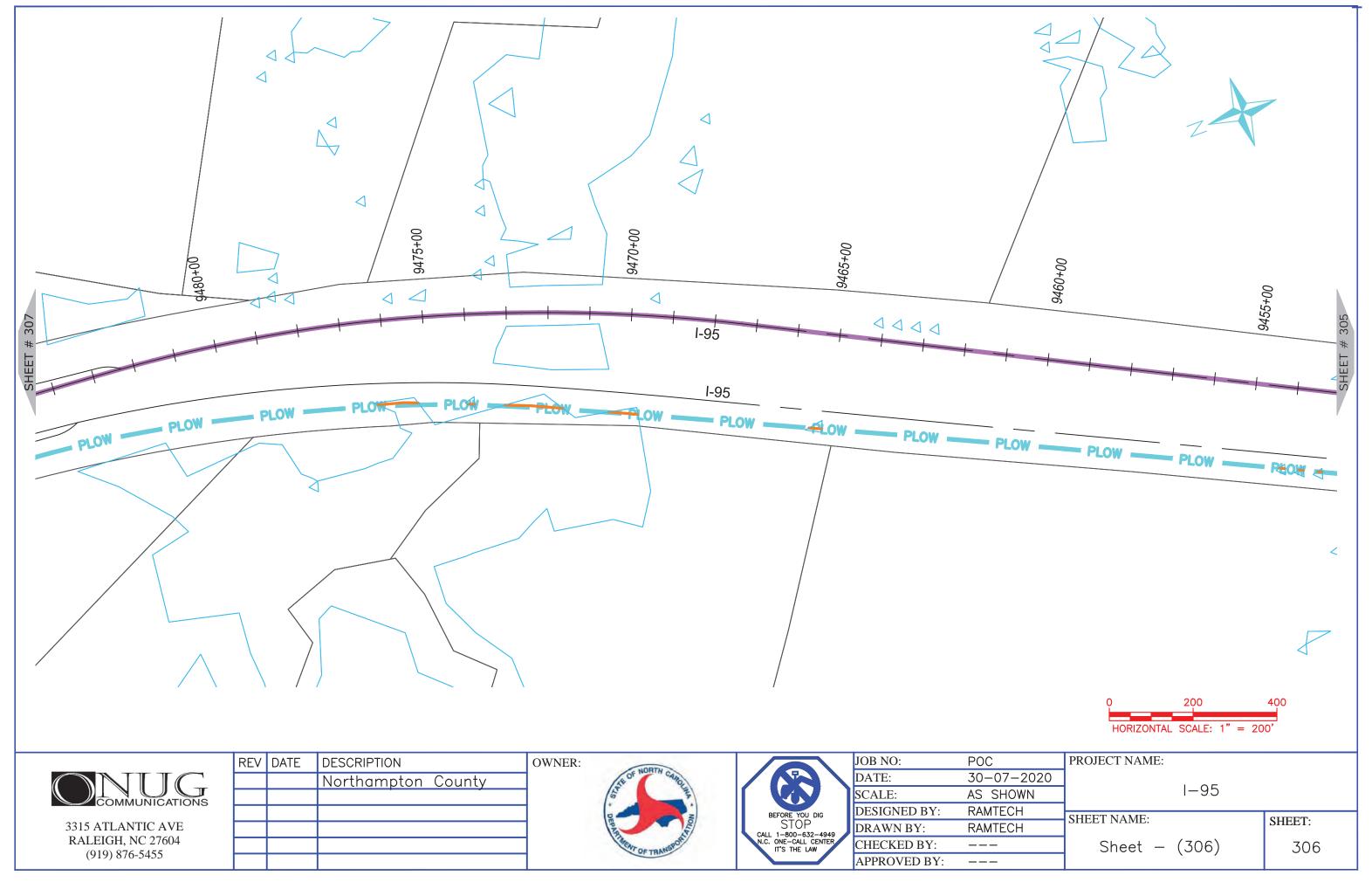


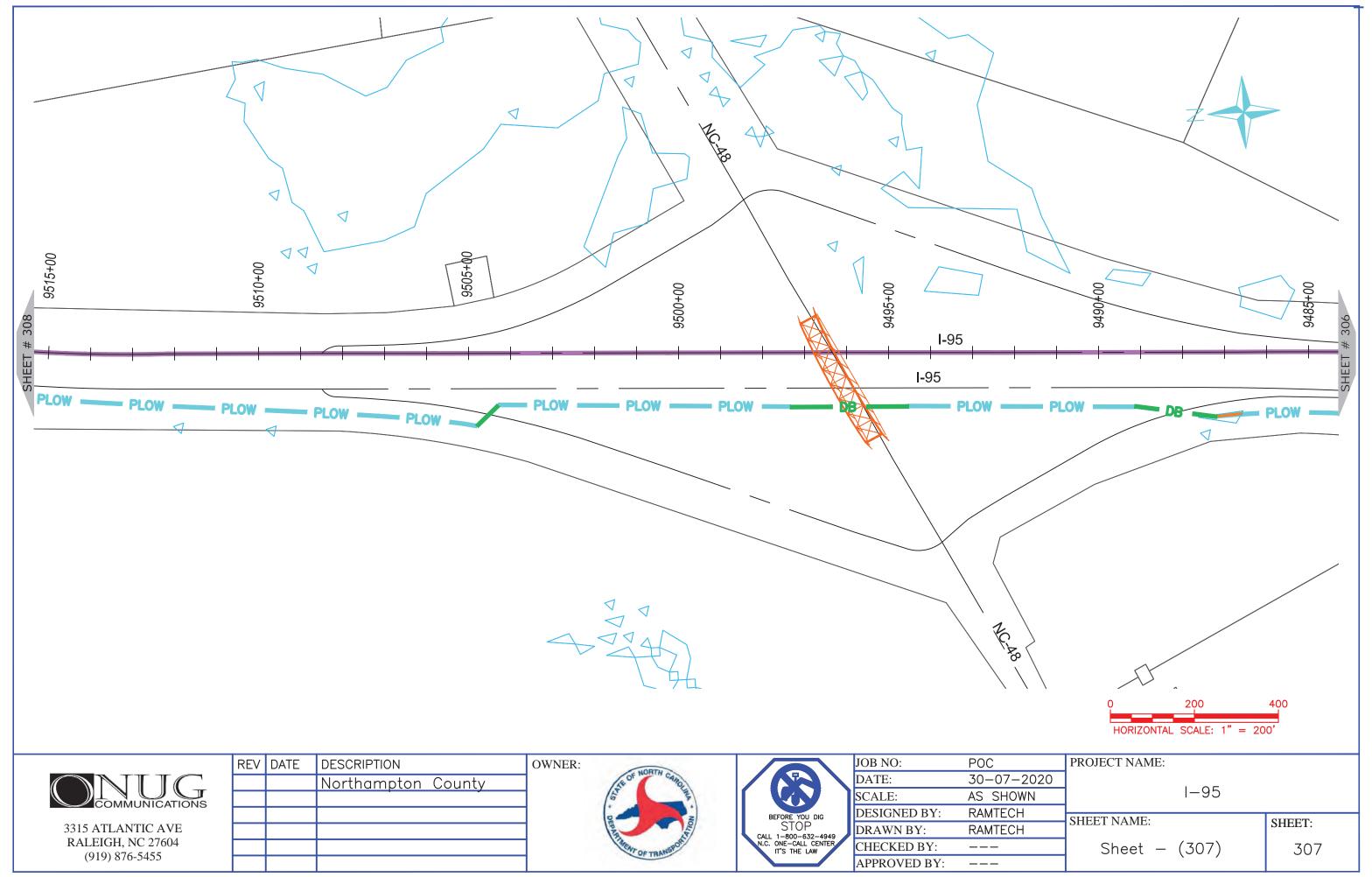


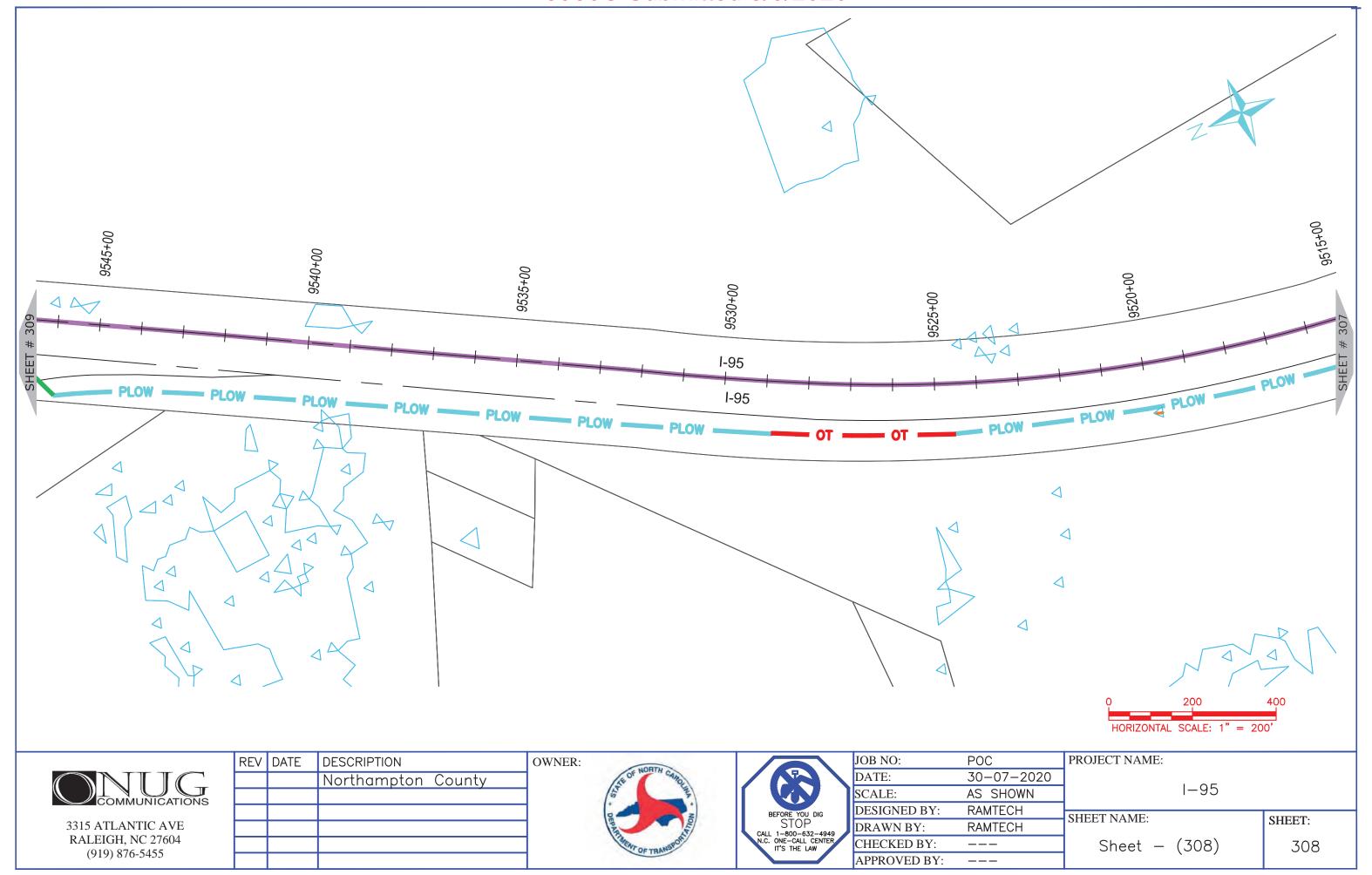


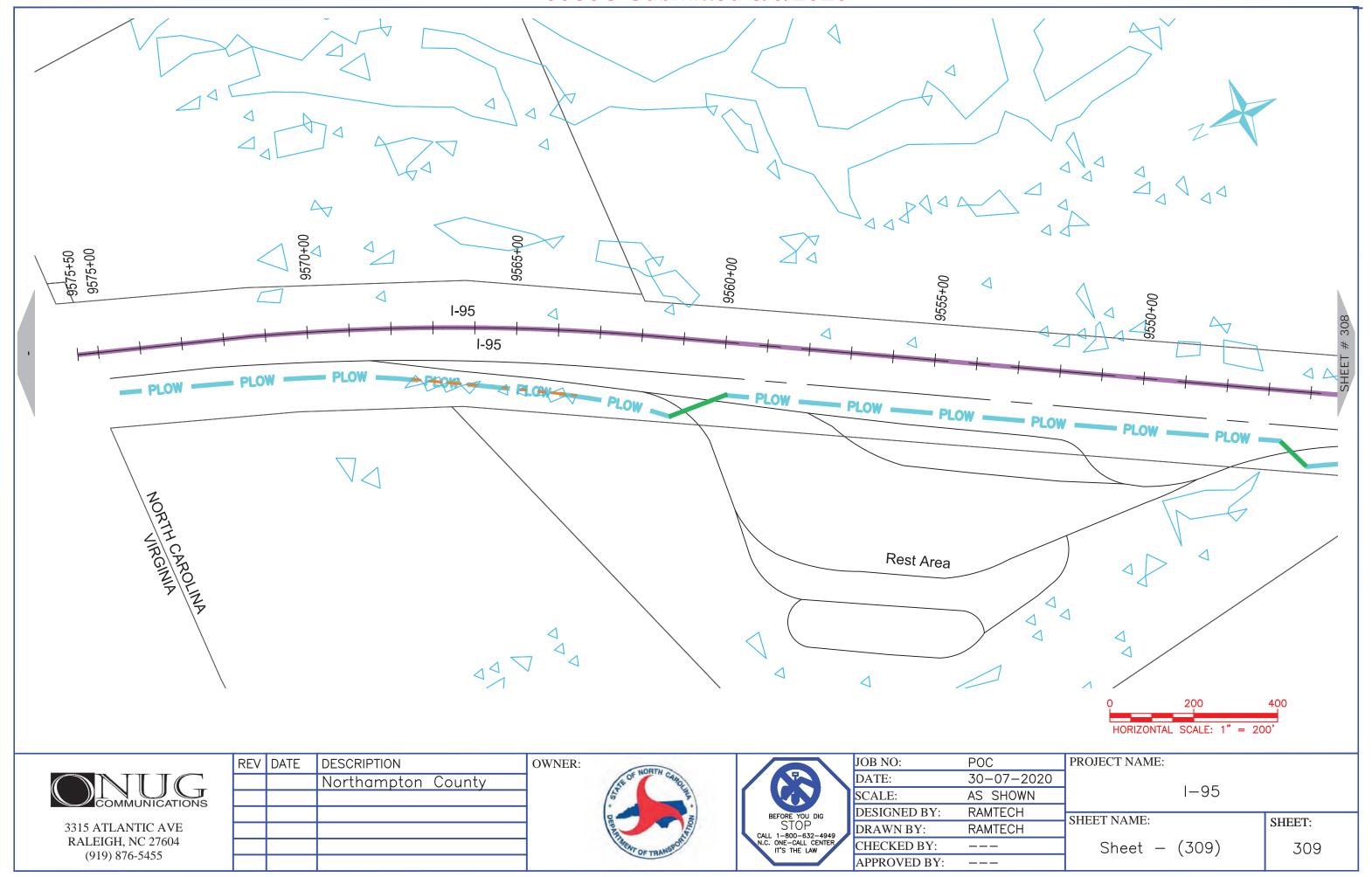


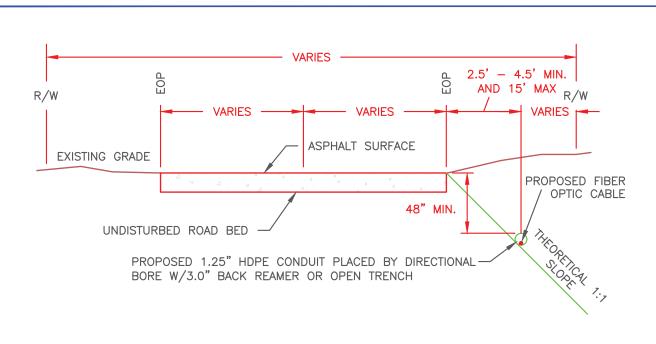


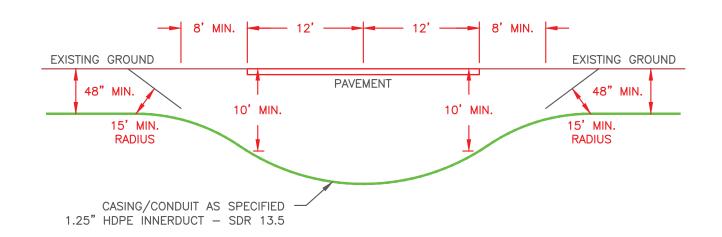








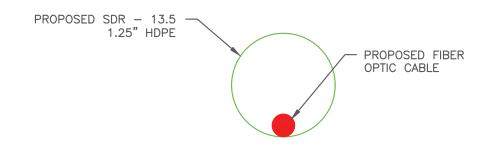


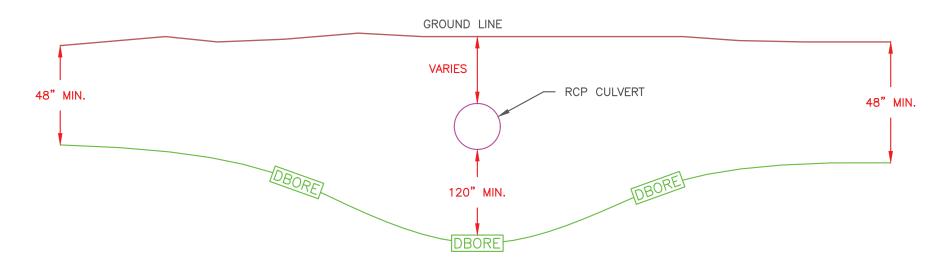


D1.1 CONDUIT PLACED PARALLEL TO R/W
Not to Scale

D1.3 DIRECTIONAL BORE UNDER SECONDARY ROADWAY

Not to Scale



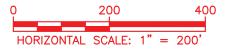


D1.2 CONDUIT CROSS SECTION

Not to Scale

D1.4 CULVERT CROSSING

Not to Scale



COMMUNICATIONS

3315 ATLANTIC AVE
RALEIGH, NC 27604
(919) 876-5455

REV	DATE	DESCRIPTION	OWNER:

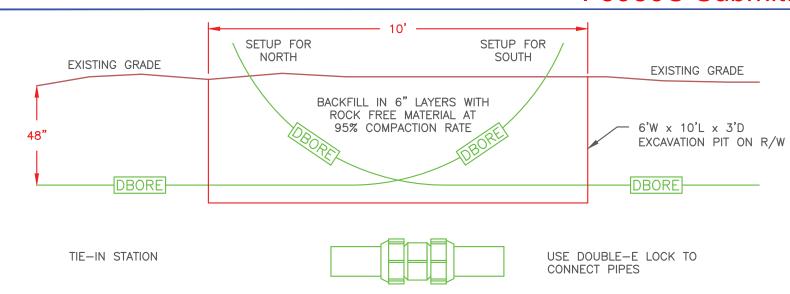




I	JOB NO:	POC	
	DATE:	30-07-2020	
Ì	SCALE:	AS SHOWN	
	DESIGNED BY:	RAMTECH	ŀ
	DRAWN BY:	RAMTECH	ľ
	CHECKED BY:		
	APPROVED BY:		

PROJECT NAME: I-95

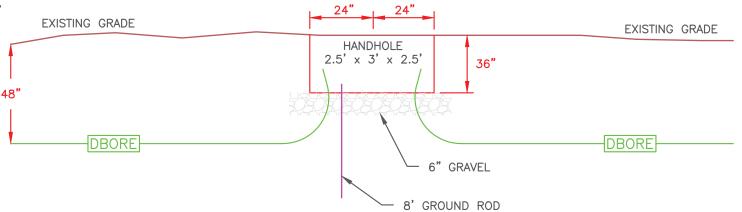
SHEET NAME:	SHEET:
SHFFT — (D1)	D1



- BORE FROM EACH DIRECTION IS RUN AT DESIGN DEPTH TO SOME POINT PAST THE INTENDED TIE-IN, THEN TURNED UP TO DAYLIGHT.
- THE TIE-IN POINT IS EXCAVATED, PIPES CUT OFF WHERE THEY CROSS EACH OTHER AT DESIGN DEPTH, AND A HIGH PRESSURE COUPLER IS INSTALLED TO CONNECT THE TWO PIPES AT THE DESIGN DEPTH.
- ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

DIRECTIONAL BORE TIE-IN

Not to Scale

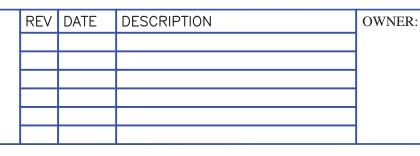


ALL EXCAVATIONS OR TRENCHES 4 FEET OR GREATER IN DEPTH SHALL BE APPROPRIATELY BENCHED, SHORED, OR SLOPED ACCORDING TO THE PROCEDURES AND REQUIREMENTS SET FORTH IN OSHA'S EXCAVATION STANDARD, 29 CFR 1926.650, .651, AND .652.

D2.2 HANDHOLE CONSTRUCTION WITHIN R/W Not to Scale



3315 ATLANTIC AVE RALEIGH, NC 27604 (919) 876-5455







	_	
	JOB NO:	POC
	DATE:	30-07-2020
1	SCALE:	AS SHOWN
	DESIGNED BY:	RAMTECH
J	DRAWN BY:	RAMTECH
	CHECKED BY:	
	APPROVED BY:	

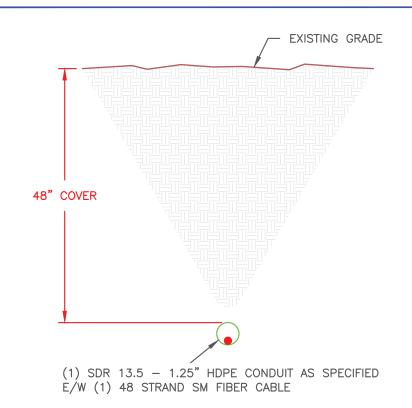
PROJECT NAME:

1-95

SHEET NAME: SHEET:

SHEET - (D2)

D2



DIRECTIONAL BORE CONDUIT CROSS SECTION

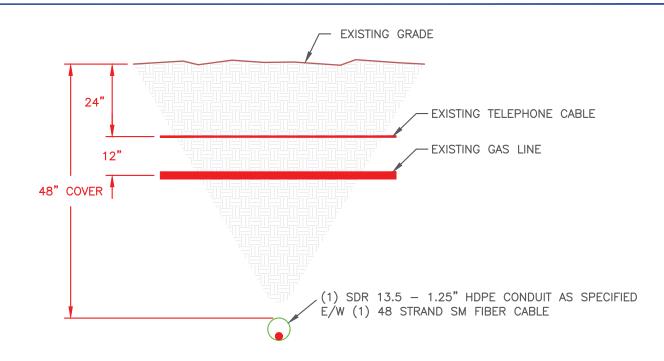
Not to Scale

CITY/COUNTY UTILITY

48" MIN.

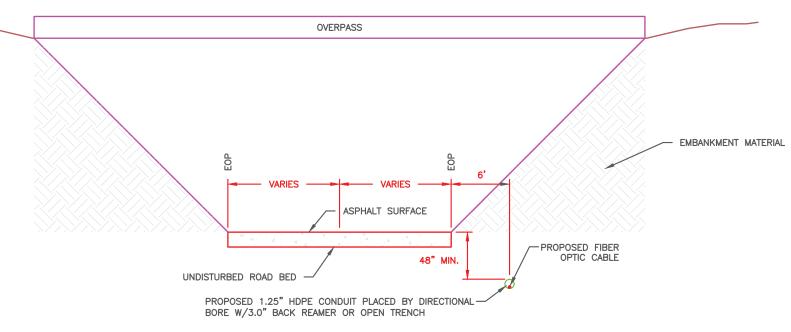
PROPOSED BURIED FIBER OPRIC DUCT

D3.3 CABLE/UTILITY VERTICAL SEPARATION
Not to Scale



D3.2 DIRECTIONAL BORE CROSS SECTION VERTICAL SEPARATION

Not to Scale



D3.4 PLACEMENT OF CONDUIT ALONG HIGHWAY UNDER BRIDGE
Not to Scale



3315 ATLANTIC AVE RALEIGH, NC 27604 (919) 876-5455

REV	DATE	DESCRIPTION	OWNER:



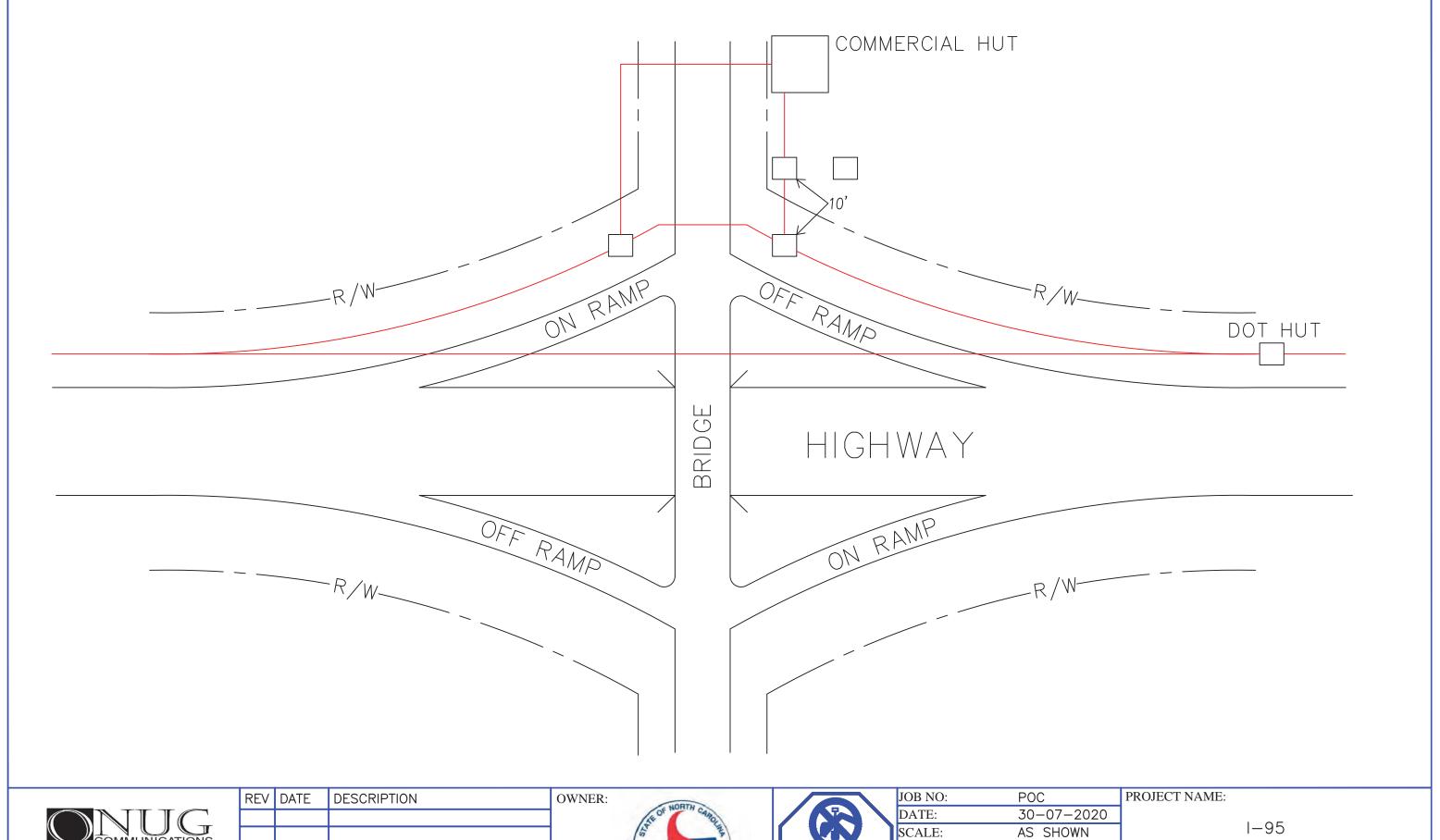
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JOB NO:	POC
DATE:	30-07-2020
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DRAWN BY:	RAMTECH
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APPROVED 1	BY:

PROJECT NAME:

1–95

SHEET NAME: SHEET:
SHEET - (D3)
D3



3315 ATLANTIC AVE RALEIGH, NC 27604 (919) 876-5455

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DESIGNED BY:	RAMTECH	ŀ
DRAWN BY:	RAMTECH	ľ
CHECKED BY:		
APPROVED BY	:	

SHEET NAME: SHEET:
SHEET - (D4)
D4



United States Department of the Interior

FISH AND WILDLIFE SERVICE Raleigh ES Field Office Post Office Box 33726 Raleigh, North Carolina 27636-3726



June 25, 2020

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

Dear Mr. Harris:

This letter is in response to your letter of June 23, 2020 which provided the U.S. Fish and Wildlife Service (Service) with the biological conclusion of the North Carolina Department of Transportation (NCDOT) that the proposed installation of broadband fiber optic cable along US 70 (future I-42) from I-40 east to Morehead City Port and along I-95 from the South Carolina State line to the Virginia State line (STIP Nos. R-5777D and I-5986C) may affect, but is not likely to adversely affect the federally endangered Cape Fear Shiner (*Notropis mekistocholas*), Dwarf Wedgemussel (*Alasmidonta heterodon*), and Tar River Spinymussel (*Parvaspina steinstansana*), as well as the federally threatened Yellow Lance (*Elliptio lanceolata*). In addition, NCDOT has determined that the action may affect, but is not likely to adversely affect the proposed endangered Carolina Madtom (*Noturus furiosus*) and the proposed threatened Atlantic Pigtoe (*Fusconaia masoni*) and Neuse River Waterdog (*Necturus lewisi*). The federally threatened northern long-eared bat (*Myotis septentrionalis*) has previously been addressed through a programmatic biological opinion. NCDOT has determined that the action will have no effect on all other listed species. The following response is provided in accordance with Section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531-1543).

According to information provided, the fiber optic cables will be installed within existing NCDOT right-of-way and will utilize minimally invasive installation techniques. At all stream crossings, the fiber optic cables will either be directionally bored underneath the stream or will be installed over the stream on existing bridges. Based on available information, and given the minimal amount of ground disturbance, the Service concurs with your conclusion that the proposed action may affect, but is not likely to adversely affect the Cape Fear Shiner, Dwarf Wedgemussel, Tar River Spinymussel, Yellow Lance, Carolina Madtom, Atlantic Pigtoe, and Neuse River Waterdog. Although the Carolina Madtom, Atlantic Pigtoe, and Neuse River Waterdog are currently only proposed listed species, this concurrence will be valid if and when the species are listed. Based on available information, the Service also concurs with your conclusion that the action will have no effect on all other listed species. We believe that the requirements of Section 7(a)(2) of the ESA have been satisfied. We remind you that obligations under Section 7 consultation must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously

considered in this review; (2) this action is subsequently modified in a manner that was not considered in this review; or (3) a new species is listed or critical habitat determined that may be affected by this identified action.

The Service appreciates the opportunity to review this project. If you have any questions regarding our response, please contact Mr. Gary Jordan at (919) 856-4520 (Ext. 32).

Sincerely,

Darry Jordan for Pete Benjamin

Field Supervisor

Electronic copy:

Eric Alsmeyer, USACE, Wake Forest, NC Travis Wilson, NCWRC, Creedmoor, NC Chris Rivenbark, NCDOT, Raleigh, NC Jason Dilday, NCDOT, Raleigh, NC

Rowid	FID HUC	8 NAME_1	FLAG50	FREQUENCY	SUM_LENFEET	
1	0 03010107	CONDUIT, BORED	No	2	28.17447144	
2	0 03010107	CONDUIT, NO CLEARING	No	22	395.8563572	0.009
3	0 03010107	CONDUIT, NO CLEARING	Yes	3	187.3970199	0.004
4	0 03010204	CONDUIT, BORED	No	1	18.61568839	
5	0 03010204	CONDUIT, NO CLEARING	No	23	457.0433855	0.010
6	0 03010204	CONDUIT, NO CLEARING	Yes	4	364.4872072	0.008
7	0 03020101	CONDUIT, BORED	No	4	75.13535238	
8	0 03020101	CONDUIT, BORED	Yes	1	60.93623749	
9	0 03020101	CONDUIT, CLEARING AND GRUBBING	No	1	1.227251599	0.000
10	0 03020101	CONDUIT, BORED	Yes	1	94.44581261	
11	0 03020101	CONDUIT, NO CLEARING	No	77	1503.302468	0.035
12	0 03020101	CONDUIT, NO CLEARING	Yes	44	4656.051536	0.107
13	0 03020102	CONDUIT, BORED	No	3	40.75715203	
14	0 03020102	CONDUIT, CLEARING AND GRUBBING	No	6	106.3883588	0.024
15	0 03020102	CONDUIT, BORED	Yes	1	317.749836	
16	0 03020102	CONDUIT, NO CLEARING	No	109	2223.84059	0.051
17	0 03020102	CONDUIT, NO CLEARING	Yes	18	1572.12772	0.036
18	0 03020201	CONDUIT, ATTACH TO STRUCTURE	No	1	19.52616299	
19	0 03020201	CONDUIT, BORED	No	6	128.7835021	
20	0 03020201	CONDUIT, BORED	Yes	4	355.3302292	
21	0 03020201	CONDUIT, CLEARING AND GRUBBING	No	29	436.0115287	0.100
22	0 03020201	CONDUIT, BORED	Yes	9	767.8248819	
23	0 03020201	CONDUIT, NO CLEARING	No	28	299.5331616	0.007
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26	0 03020203	CONDUIT, BORED	No	5	141.273547	
27	0 03020203	CONDUIT, BORED	Yes	3	224.8296427	
28	0 03020203	CONDUIT, CLEARING AND GRUBBING	No	8	180.5006172	0.041
29	0 03020203	CONDUIT, BORED	Yes	1	103.496138	
30	0 03020203	CONDUIT, NO CLEARING	No	84	1551.284257	0.036
31	0 03020203	CONDUIT, NO CLEARING	Yes	25	2546.389833	0.058
32	0 03030004	CONDUIT, BORED	No	7	121.0637673	
33	0 03030004	CONDUIT, BORED	Yes	2	276.9548107	
34	0 03030004	CONDUIT, NO CLEARING	No	145	2443.609689	0.056
35	0 03030004	CONDUIT, NO CLEARING	Yes	50	4866.847488	0.112
36	0 03030006	CONDUIT, BORED	No	3	95.81580333	
37	0 03030006	CONDUIT, CLEARING AND GRUBBING	No	2	69.11916382	0.016
38	0 03030006	CONDUIT, BORED	Yes	2	365.6495038	
39	0 03030006	CONDUIT, NO CLEARING	No	27	436.8396267	0.010
40	0 03030006	CONDUIT, NO CLEARING	Yes	2	246.1907172	0.006
41	0 03040203	CONDUIT, BORED	No	8	89.72982028	
42	0 03040203	CONDUIT, BORED	Yes	3	349.2784759	
43	0 03040203	CONDUIT, CLEARING AND GRUBBING	No	11	270.0806754	0.062
44	0 03040203	CONDUIT, BORED	Yes	19	3358.371367	
45	0 03040203	CONDUIT, NO CLEARING	No	36	727.0681095	0.017
46	0 03040203	CONDUIT, NO CLEARING	Yes	11	939.1314443	0.022
47	0 03040204	CONDUIT, NO CLEARING	No	6	71.92978811	0.002

Clearing and Grubbing Total	0.244
Trenching Total	0.590