

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

September 24, 2010

N.C. Dept. of Environment and Natural Resources
Division of Coastal Management
400 Commerce Avenue
Morehead City, NC 28557

Attn: Mr. Stephen Lane
NCDOT Coordinator

Dear Sir:

Subject: **Application for a CAMA General Permit** for utility work associated with the replacement of Bridge No. 19 on eastbound US 158 over the Pasquotank River in Pasquotank and Camden Counties. Federal Aid Project No. STP-0158(31) TIP No. U-4438, Debit \$400.00 from WBS Element 35742.1.1.

Please find enclosed the North Carolina Division of Coastal Management Major Permit Form and utility plans for the above referenced project. An Environmental Assessment and Finding of No Significant Impact were completed for this project on April 29, 2009 and January 28, 2010 respectively and distributed shortly thereafter. Additional copies are available upon request. The North Carolina Department of Transportation (NCDOT), Division of Highways, in consultation with the Federal Highway Administration (FHWA), proposes improvements to US 158 from NC 34 (Water St.) to US 17 Business (Road St.) including the replacement of the existing 846-foot Bridge No. 19 with new bridge of the same length over the Pasquotank River in Pasquotank and Camden Counties. No impacts to wetlands or surface waters due to utilities are proposed. This application is for utility work associated with the project and is being requested in advance to allow time for utility relocations to commence prior to project letting. The proposed let date for the project is April 19, 2011 with a review date of March 1, 2011. However, the let date may advance as additional funds become available.

Regulatory Approvals

Section 404 Permit: A request for the appropriate Section 404 nationwide permit from the U.S. Army Corps of Engineers will be submitted under separate cover.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-431-2000
FAX: 919-431-2002

WEBSITE: WWW.NCDOT.ORG

LOCATION:
4701 ATLANTIC AVENUE
SUITE 116
RALEIGH NC 27604

Section 401 Permit: A request for the appropriate Section 401 General Certification from the North Carolina Department of Environmental and Natural Resources, Division of Water Quality will be submitted under separate cover.

CAMA: NCDOT requests that the proposed utility work associated with this project be authorized under a Coastal Area Management Act General Permit. The remaining construction activities will be requested via a Coastal Area Management Act Major Development Permit. The adjacent riparian landowner return receipts will be forwarded upon receipt. Authorization to debit the \$400 Permit Application Fee from WBS Element 35742.1.1 is hereby given.

A copy of this permit application will be posted on the NCDOT Website at: <http://www.ncdot.org/doh/preconstruct/pe/>. Thank you for your assistance with this project. If you have any questions or need additional information, please contact Chris Rivenbark at crivenbark@ncdot.gov or (919) 431-6762.

Sincerely,



for Gregory J. Thorpe, Ph.D., Environmental Management Director
Project Development and Environmental Analysis Branch

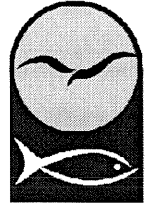
cc:

W/o attachment (see website for attachments)

Mr. Bill Biddlecome, USACE
Mr. Brian Wrenn, NCDWQ
Ms. Cathy Brittingham, NCDCM
Mr. Scott McLendon, USACE, Wilmington
Mr. Travis Wilson, NCWRC
Mr. Gary Jordan, USFWS
Mr. Ron Sechler, NMFS
Ms. Anne Deaton, NCDMF
Dr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. Dewayne Sykes, P.E., Utilities Unit
Mr. Jerry Jennings, P.E., Division 1 Engineer
Mr. Clay Willis, Division 1 Environmental Officer
Mr. Jay Bennett, P.E., Roadway Design
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. Ted Devens, P.E., PDEA

APPLICATION for Major Development Permit

(last revised 12/27/06)



North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information			
Business Name NC Department of Transportation		Project Name (if applicable) U-4438	
Applicant 1: First Name Gregory	MI	Last Name Thorpe	
Applicant 2: First Name	MI	Last Name	
<i>If additional applicants, please attach an additional page(s) with names listed.</i>			
Mailing Address 1598 Mail Service Center		PO Box	City Raleigh
			State NC
ZIP 27699- 1598	Country USA	Phone No. 919 - 431 - 2000 ext.	FAX No. 919 - 431 - 2002
Street Address (if different from above) 4701 Atlantic Ave. Suite 116		City Raleigh	State NC
			ZIP 27604-
Email crivenbark@ncdot.gov			

2. Agent/Contractor Information			
Business Name			
Agent/ Contractor 1: First Name	MI	Last Name	
Agent/ Contractor 2: First Name	MI	Last Name	
Mailing Address		PO Box	City
			State
ZIP		Phone No. 1 - - ext.	Phone No. 2 - - ext.
FAX No.		Contractor #	

Street Address <i>(if different from above)</i>	City	State	ZIP -
Email			

<Form continues on back>

3. Project Location			
County (can be multiple) Pasquotank Camden	Street Address US158 (East Elizabeth Street) from US17 Business (N. Road Street) to East of Pasquotank River)	State Rd. # US 158	
Subdivision Name N/A	City Elizabeth City	State NC	Zip 27909 -
Phone No. - - ext.	Lot No.(s) (if many, attach additional page with list)		
a. In which NC river basin is the project located? Pasquotank River Basin	b. Name of body of water nearest to proposed project Poindexter Creek and Pasquotank River		
c. Is the water body identified in (b) above, natural or manmade? <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Manmade <input type="checkbox"/> Unknown	d. Name the closest major water body to the proposed project site. Albermarle Sound		
e. Is proposed work within city limits or planning jurisdiction? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	f. If applicable, list the planning jurisdiction or city limit the proposed work falls within. Elizabeth City		

4. Site Description	
a. Total length of shoreline on the tract (ft.) 1,120 ft. (approximately 560 ft. on each shore)	b. Size of entire tract (sq.ft.) Approximate Project Area = 435,600 sq. ft
c. Size of individual lot(s) n/a, (If many lot sizes, please attach additional page with a list)	d. Approximate elevation of tract above NHW (normal high water) or NWL (normal water level) 3 ft <input type="checkbox"/> NHW or <input checked="" type="checkbox"/> NWL
e. Vegetation on tract West of Pasquotank River-fescue, bermuda grass East of Pasquotank River-cattail, arrow arum, lizard tail, jewelweed, wax myrtle, bald cypress	
f. Man-made features and uses now on tract Roadway, sidewalks, bridges and culverts	
g. Identify and describe the existing land uses adjacent to the proposed project site. commercial, residential, forested	
h. How does local government zone the tract? Central Business, Heavy Industrial, Causeway Mixed Use	i. Is the proposed project consistent with the applicable zoning? (Attach zoning compliance certificate, if applicable) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
j. Is the proposed activity part of an urban waterfront redevelopment proposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
k. Has a professional archaeological assessment been done for the tract? If yes, attach a copy. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA If yes, by whom? NCDOT Archaeology Group	

l. Is the proposed project located in a National Registered Historic District or does it involve a National Register listed or eligible property? Yes No NA

<Form continues on next page>

m. (i) Are there wetlands on the site? Yes No

(ii) Are there coastal wetlands on the site? Yes No

(iii) If yes to either (i) or (ii) above, has a delineation been conducted?
(Attach documentation, if available) Yes No

n. Describe existing wastewater treatment facilities.

N/A

o. Describe existing drinking water supply source.

N/A

p. Describe existing storm water management or treatment systems.

CMP collection system in Elizabeth Street to common detention area controlled by hydraulic pumps.

5. Activities and Impacts

a. Will the project be for commercial, public, or private use? Commercial Public/Government
 Private/Community

b. Give a brief description of purpose, use, and daily operations of the project when complete.

Roadway and bridge for transportation use

c. Describe the proposed construction methodology, types of construction equipment to be used during construction, the number of each type of equipment and where it is to be stored.

Typical utility methods in addition to apparatus used for directional boring.

d. List all development activities you propose.

Replacement/relocation of existing utility lines including: water, sanitary sewer, power, telephone, natural gas, and cable TV. Most of the work will occur away from the Pasquotank River. One directional bore will carry power and cable TV. A second directional bore will carry telephone. A water line, power line, and sanitary sewer line will be attached to the bridge to serve the bridge tender's house.

e. Are the proposed activities maintenance of an existing project, new work, or both? both

f. What is the approximate total disturbed land area resulting from the proposed project? ~10 Sq.Ft or Acres

g. Will the proposed project encroach on any public easement, public accessway or other area that the public has established use of? Yes No NA

h. Describe location and type of existing and proposed discharges to waters of the state.

none associated with the utility relocations

i. Will wastewater or stormwater be discharged into a wetland? Yes No NA

If yes, will this discharged water be of the same salinity as the receiving water? Yes No NA

j. Is there any mitigation proposed? Yes No NA
If yes, attach a mitigation proposal.

<Form continues on back>

6. Additional Information
In addition to this completed application form, (MP-1) the following items below, if applicable, must be submitted in order for the application package to be complete. Items (a) – (f) are always applicable to any major development application. Please consult the application instruction booklet on how to properly prepare the required items below.

a. A project narrative.

b. An accurate, dated work plat (including plan view and cross-sectional drawings) drawn to scale. Please give the present status of the proposed project. Is any portion already complete? If previously authorized work, clearly indicate on maps, plats, drawings to distinguish between work completed and proposed.

c. A site or location map that is sufficiently detailed to guide agency personnel unfamiliar with the area to the site.

d. A copy of the deed (with state application only) or other instrument under which the applicant claims title to the affected properties.

e. The appropriate application fee. Check or money order made payable to DENR.

f. A list of the names and complete addresses of the adjacent waterfront (riparian) landowners and signed return receipts as proof that such owners have received a copy of the application and plats by certified mail. Such landowners must be advised that they have 30 days in which to submit comments on the proposed project to the Division of Coastal Management.

Name	Phone No.
Address	
Name	Phone No.
Address	
Name	Phone No.
Address	

g. A list of previous state or federal permits issued for work on the project tract. Include permit numbers, permittee, and issuing dates.

h. Signed consultant or agent authorization form, if applicable.

i. Wetland delineation, if necessary.

j. A signed AEC hazard notice for projects in oceanfront and inlet areas. *(Must be signed by property owner)*

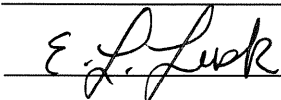
k. A statement of compliance with the N.C. Environmental Policy Act (N.C.G.S. 113A 1-10), if necessary. If the project involves expenditure of public funds or use of public lands, attach a statement documenting compliance with the North Carolina Environmental Policy Act.

7. Certification and Permission to Enter on Land

I understand that any permit issued in response to this application will allow only the development described in the application. The project will be subject to the conditions and restrictions contained in the permit.

I certify that I am authorized to grant, and do in fact grant permission to representatives of state and federal review agencies to enter on the aforementioned lands in connection with evaluating information related to this permit application and follow-up monitoring of the project.

I further certify that the information provided in this application is truthful to the best of my knowledge.

Date Sept 24, 2010 Print Name E.L. Lusk
Signature 

Please indicate application attachments pertaining to your proposed project.

DCM MP-2 Excavation and Fill Information DCM MP-5 Bridges and Culverts

- DCM MP-3 Upland Development
- DCM MP-4 Structures Information



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

September 24, 2010

Jennette Fruit and Produce Co. Inc.
PO Box 608
Elizabeth City, NC 27909

Dear Landowner:

The North Carolina Department of Transportation is planning improvements to US 158 from NC 34 (Water St.) to US 17 Business (Road St.) including the replacement of Bridge No. 19 over the Pasquotank River in Pasquotank and Camden Counties. Utility relocations are necessary and are being permitted separately from the remaining road and bridge construction activities. This project crosses an Area of Environmental Concern, as defined by the North Carolina Division of Coastal Management (DCM), and must be approved by the DCM under provisions of the Coastal Area Management Act (CAMA). One of the prerequisites to this approval is that adjacent riparian landowners be given an opportunity to comment on the proposal. A permit application, vicinity map, and site drawings are enclosed for your review. In addition to this notice, you will receive a similar notification when a permit application for the road and bridge construction activities is submitted.

The attached form is submitted to ensure that you have an opportunity to comment on the proposal. The work planned is depicted in the attached drawing. If you have **no** objections to the proposal, please return the form with your response within 10 days to this office. If you **do** have objections to the project, please forward your comments to:

Mr. Stephen Lane
N.C. Division of Coastal Management
400 Commerce Ave.
Morehead City, NC 28557

Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "G. J. Thorpe".

Gregory J. Thorpe, Ph.D.,
Environmental Management Director, PDEA

Enclosures

cc: Stephen Lane, NCDPCM
File U-4438

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
NATURAL ENVIRONMENT UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-431-2000

FAX: 919-431-2001

WEBSITE: WWW.NCDOT.ORG

LOCATION:
ENVIRONMENTAL RESOURCES CENTER
4701 ATLANTIC AVENUE, STE. 116
RALEIGH, NC 27604

ADJACENT RIPARIAN LANDOWNER STATEMENT

Pasquotank and Camden Counties:
Replace Bridge No. 19 over the Pasquotank River
NCDOT TIP U-4438

General Statutes and Division of Coastal Management Major Development Permit approval procedures require that riparian landowners with property adjoining a proposed development in an Area of Environmental Concern (AEC) be given ten (10) days in which to comment on the proposed development. This form allows the adjacent riparian landowner to express either: (1) that he objects to the project; or, (2) that he does not object and desires to waive his/her right to the 10-day period so that the processing of the application can progress more rapidly. Of course, the adjacent riparian landowner need not sign this form at all if he/she so chooses.

I, _____, am an adjacent riparian property owner and am aware of the North Carolina Department of Transportation's plans for replacing Bridge No. 19 on eastbound US 158 over the Pasquotank River in Pasquotank and Camden Counties, North Carolina. I am further aware that this work will occur in one or more Areas of Environmental Concern and therefore will require authorization from the Division of Coastal Management in accordance with the Coastal Area Management Act (CAMA).

_____ I have no objection to the project as presently proposed and hereby waive that right of objection as provided in General Statute 113-229.

_____ I have objections to the project as presently proposed and my comments are attached.

Signature of Adjacent Riparian Landowner Date

Phone Number with Area Code



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

September 24, 2010

City of Elizabeth City
PO Box 347
Elizabeth City, NC 27909

Dear Landowner:

The North Carolina Department of Transportation is planning improvements to US 158 from NC 34 (Water St.) to US 17 Business (Road St.) including the replacement of Bridge No. 19 over the Pasquotank River in Pasquotank and Camden Counties. Utility relocations are necessary and are being permitted separately from the remaining road and bridge construction activities. This project crosses an Area of Environmental Concern, as defined by the North Carolina Division of Coastal Management (DCM), and must be approved by the DCM under provisions of the Coastal Area Management Act (CAMA). One of the prerequisites to this approval is that adjacent riparian landowners be given an opportunity to comment on the proposal. A permit application, vicinity map, and site drawings are enclosed for your review. In addition to this notice, you will receive a similar notification when a permit application for the road and bridge construction activities is submitted.

The attached form is submitted to ensure that you have an opportunity to comment on the proposal. The work planned is depicted in the attached drawing. If you have **no** objections to the proposal, please return the form with your response within 10 days to this office. If you **do** have objections to the project, please forward your comments to:

Mr. Stephen Lane
N.C. Division of Coastal Management
400 Commerce Ave.
Morehead City, NC 28557

Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "E. J. Thorpe".

Gregory J. Thorpe, Ph.D.,
Environmental Management Director, PDEA

Enclosures

cc: Stephen Lane, NCDCM
File U-4438

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
NATURAL ENVIRONMENT UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-431-2000

FAX: 919-431-2001

WEBSITE: WWW.NCDOT.ORG

LOCATION:
ENVIRONMENTAL RESOURCES CENTER
4701 ATLANTIC AVENUE, STE. 116
RALEIGH, NC 27604

ADJACENT RIPARIAN LANDOWNER STATEMENT

Pasquotank and Camden Counties:
Replace Bridge No. 19 over the Pasquotank River
NCDOT TIP U-4438

General Statutes and Division of Coastal Management Major Development Permit approval procedures require that riparian landowners with property adjoining a proposed development in an Area of Environmental Concern (AEC) be given ten (10) days in which to comment on the proposed development. This form allows the adjacent riparian landowner to express either: (1) that he objects to the project; or, (2) that he does not object and desires to waive his/her right to the 10-day period so that the processing of the application can progress more rapidly. Of course, the adjacent riparian landowner need not sign this form at all if he/she so chooses.

I, _____, am an adjacent riparian property owner and am aware of the North Carolina Department of Transportation's plans for replacing Bridge No. 19 on eastbound US 158 over the Pasquotank River in Pasquotank and Camden Counties, North Carolina. I am further aware that this work will occur in one or more Areas of Environmental Concern and therefore will require authorization from the Division of Coastal Management in accordance with the Coastal Area Management Act (CAMA).

_____ I have no objection to the project as presently proposed and hereby waive that right of objection as provided in General Statute 113-229.

_____ I have objections to the project as presently proposed and my comments are attached.

Signature of Adjacent Riparian Landowner Date

Phone Number with Area Code



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

September 24, 2010

Calvin Lee & Marion Gutman
1 Gardner Pointe
Elizabeth City, NC 27909

Dear Landowner:

The North Carolina Department of Transportation is planning improvements to US 158 from NC 34 (Water St.) to US 17 Business (Road St.) including the replacement of Bridge No. 19 over the Pasquotank River in Pasquotank and Camden Counties. Utility relocations are necessary and are being permitted separately from the remaining road and bridge construction activities. This project crosses an Area of Environmental Concern, as defined by the North Carolina Division of Coastal Management (DCM), and must be approved by the DCM under provisions of the Coastal Area Management Act (CAMA). One of the prerequisites to this approval is that adjacent riparian landowners be given an opportunity to comment on the proposal. A permit application, vicinity map, and site drawings are enclosed for your review. In addition to this notice, you will receive a similar notification when a permit application for the road and bridge construction activities is submitted.

The attached form is submitted to ensure that you have an opportunity to comment on the proposal. The work planned is depicted in the attached drawing. If you have no objections to the proposal, please return the form with your response within 10 days to this office. If you do have objections to the project, please forward your comments to:

Mr. Stephen Lane
N.C. Division of Coastal Management
400 Commerce Ave.
Morehead City, NC 28557

Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "E. J. Thorpe".

Gregory J. Thorpe, Ph.D.,
Environmental Management Director, PDEA

Enclosures

cc: Stephen Lane, NCDCM
File U-4438

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
NATURAL ENVIRONMENT UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-431-2000
FAX: 919-431-2001
WEBSITE: WWW.NCDOT.ORG

LOCATION:
ENVIRONMENTAL RESOURCES CENTER
4701 ATLANTIC AVENUE, STE. 116
RALEIGH, NC 27604

ADJACENT RIPARIAN LANDOWNER STATEMENT

Pasquotank and Camden Counties:
Replace Bridge No. 19 over the Pasquotank River
NCDOT TIP U-4438

General Statutes and Division of Coastal Management Major Development Permit approval procedures require that riparian landowners with property adjoining a proposed development in an Area of Environmental Concern (AEC) be given ten (10) days in which to comment on the proposed development. This form allows the adjacent riparian landowner to express either: (1) that he objects to the project; or, (2) that he does not object and desires to waive his/her right to the 10-day period so that the processing of the application can progress more rapidly. Of course, the adjacent riparian landowner need not sign this form at all if he/she so chooses.

I, _____, am an adjacent riparian property owner and am aware of the North Carolina Department of Transportation's plans for replacing Bridge No. 19 on eastbound US 158 over the Pasquotank River in Pasquotank and Camden Counties, North Carolina. I am further aware that this work will occur in one or more Areas of Environmental Concern and therefore will require authorization from the Division of Coastal Management in accordance with the Coastal Area Management Act (CAMA).

_____ I have no objection to the project as presently proposed and hereby waive that right of objection as provided in General Statute 113-229.

_____ I have objections to the project as presently proposed and my comments are attached.

Signature of Adjacent Riparian Landowner Date

Phone Number with Area Code

09/08/09
 SYSTEMTIME\$\$\$\$\$
 \$\$\$DGN\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

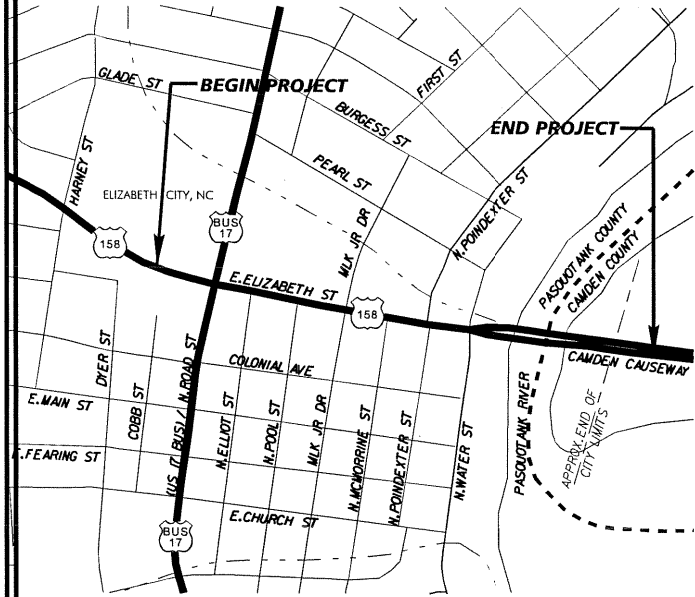
SEE SHEET 1-A FOR INDEX OF SHEETS
 SEE SHEET 1-B FOR CONVENTIONAL PLAN SHEET SYMBOLS

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
U-4438	SH-1

Utility
 Permit Drawing
 Sheet 1 of
 August 9, 2010

TIP PROJECT:



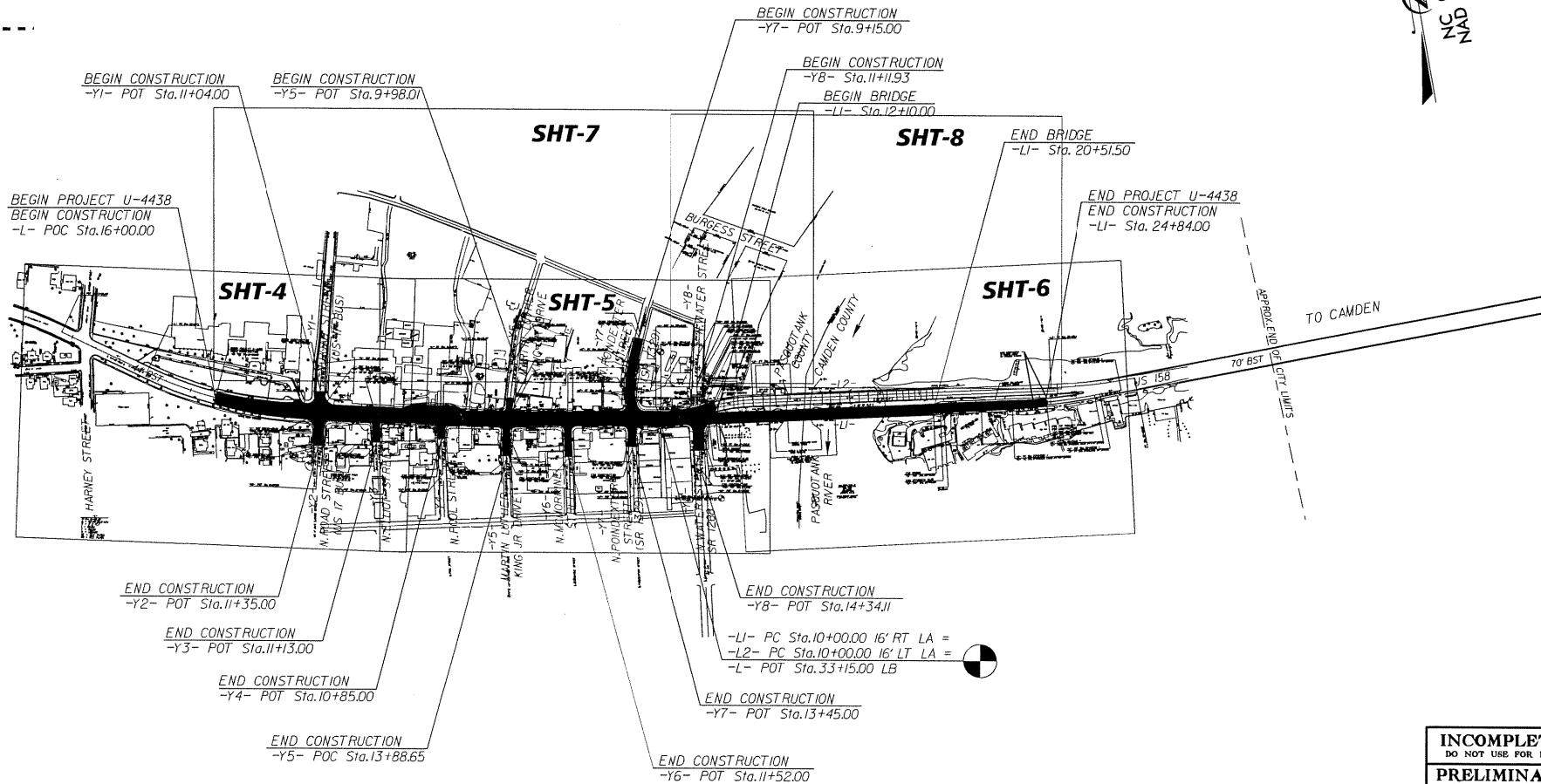
PASQUOTANK & CAMDEN COUNTIES
 UTILITY CONSTRUCTION PLANS

US 158 (EAST ELIZABETH STREET) FROM US 17 BUSINESS
 (NORTH ROAD STREET) TO EAST OF PASQUOTANK RIVER

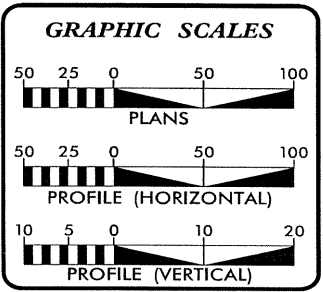
UTILITY RELOCATION PERMIT DRAWING PLANS
 NO IMPACTS

NOTE: PROPOSED POWER POLES
 WILL BE JOINT-USE POLES WITH
 TELEPHONE AND CATV

LEGEND	
○	EXISTING POLE
⊙	POLE TO BE REMOVED
⊕	POLE TO BE INSTALLED
⊗	POLE TO BE REPLACED
⊛	METAL STREETLIGHT POLE AND FIXTURE TO INSTALL
△	EXISTING OVERHEAD TRANSFORMER TO WORK AS NOTED
△ TX1	PHASED TRANSFORMER, SINGLE PHASE (SIZE AS INDICATED) TO INSTALL
—	EXISTING 7.2/12.47kV PRIMARY TO REMAIN
—	EXISTING 7.2/12.47kV PRIMARY TO REMOVE
— UP —	UNDERGROUND ELECTRICAL PRIMARY CONDUCTOR OR CONDUIT TO WORK AS NOTED
—	7.2/12.47kV OVERHEAD ELECTRICAL CONDUCTOR TO INSTALL, AS NOTED
—	SECONDARY TO BE REMOVED
—	SECONDARY TO WORK AS NOTED
— UG —	UNDERGROUND ELECTRICAL SECONDARY CONDUCTOR OR CONDUIT TO WORK AS NOTED
— SL —	1-2 INCH HDPE CONDUIT WITH ONE (1) NO. 2 LIJ TRIPLEX AND ONE (1) NO. 6 LIJ SINGLE FOR STREETLIGHTING, UNLESS OTHERWISE NOTED.
—	SCADA CABLE
—	DOWN GUY AND ANCHOR
○ SP1	SECONDARY PEDESTAL TO INSTALL
○ SP1	SECONDARY PEDESTAL TO REMOVE
■ PC1	PRIMARY CABINET, SINGLE PHASE OR MULTI-PHASE TO INSTALL
■	SECONDARY HANDHOLE IN SIDEWALK FOR STREETLIGHTING
■ HH	ELECTRIC PRIMARY HANDHOLE
⊗	TREE TO TRIM OR REMOVE

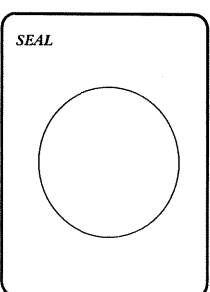


INCOMPLETE PLANS
 DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION



SHEET NO.	DESCRIPTION
SHT-1	TITLE SHEET
SHT-4 THRU SHT-8	UTILITY CONSTRUCTION PLAN SHEETS
SHT-9 THRU SHT-10	PROFILE SHEETS

- WATER AND SEWER OWNERS ON PROJECT**
- (1) WATER...ELIZABETH CITY
 - (2) SANITARY SEWER...ELIZABETH CITY
 - (3) POWER...ELIZABETH CITY
 - (4) TELEPHONE...CENTURYLINK
 - (5) NATURAL GAS...PIEDMONT NATURAL GAS
 - (6) CABLE-TV...TIME-WARNER



PREPARED IN THE OFFICE OF:
DIVISION OF HIGHWAYS
 UTILITIES ENGINEERING SECTION

1591 MAIL SERVICES CENTER
 RALEIGH NC 27699-1591
 PHONE (919) 250-4128
 FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
 Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
 Eric Haugaard, P.E. UTILITIES PROJECT DESIGNER

NCDOT PROJECT U-4438
 NEU PERMIT DRAWING
 AUGUST 9, 2010

Utility
 Permit Drawing
 Sheet 2 of 8

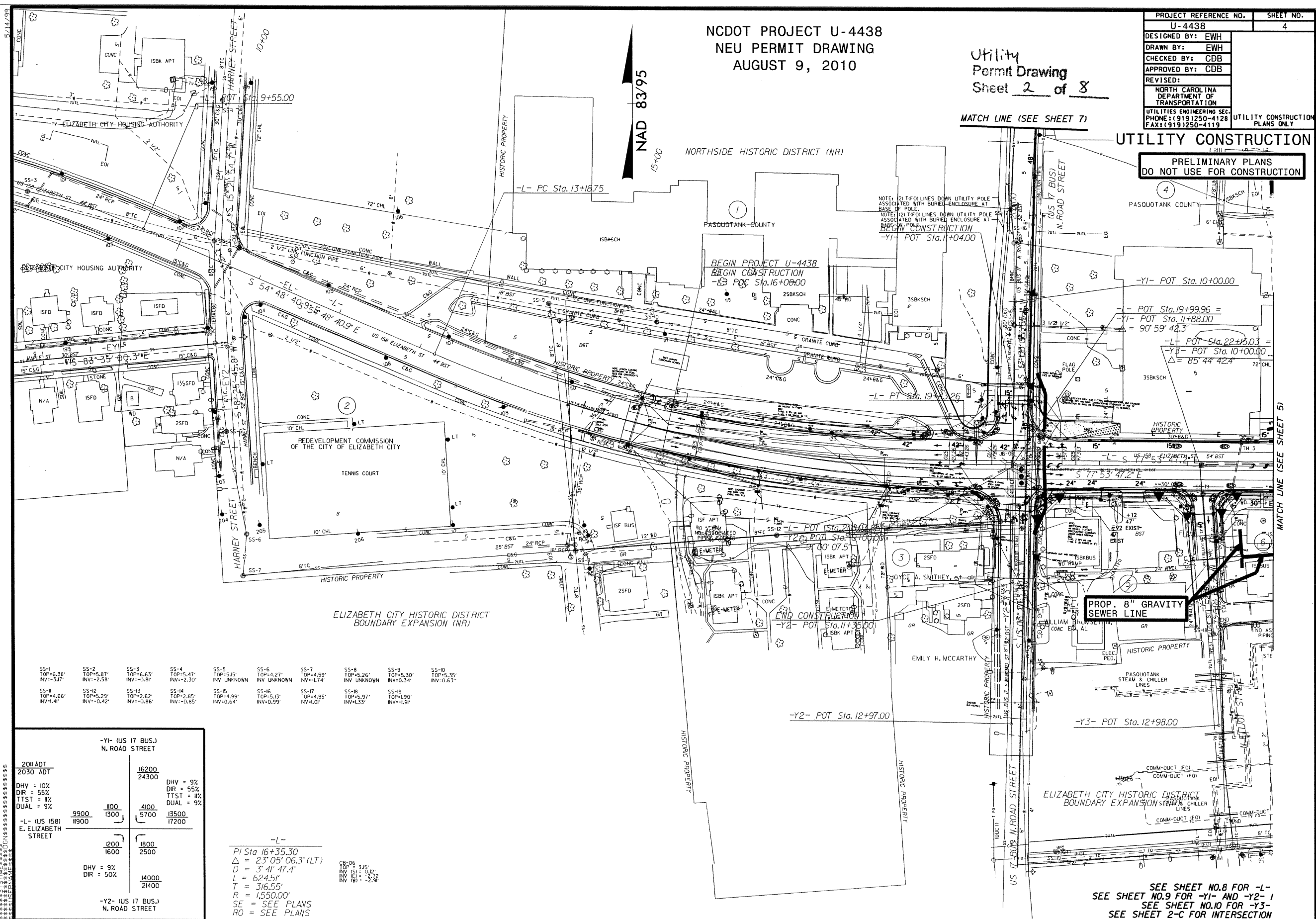
PROJECT REFERENCE NO.	U-4438	SHEET NO.	4
DESIGNED BY:	EWB		
DRAWN BY:	EWB		
CHECKED BY:	CDB		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SECTION		PHONE: 919 1250-4128	
		FAX: 919 1250-4119	

NAD 83/95
 15+00

MATCH LINE (SEE SHEET 7)

UTILITY CONSTRUCTION

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION



SS-1 TOP=6.38' INV=-3.17'	SS-2 TOP=5.87' INV=-2.58'	SS-3 TOP=6.63' INV=-0.81'	SS-4 TOP=5.47' INV=-2.30'	SS-5 TOP=5.15' INV UNKNOWN	SS-6 TOP=4.27' INV UNKNOWN	SS-7 TOP=4.59' INV=-1.74'	SS-8 TOP=5.26' INV UNKNOWN	SS-9 TOP=5.30' INV=0.34'	SS-10 TOP=5.35' INV=0.63'
SS-11 TOP=4.66' INV=-1.41'	SS-12 TOP=5.29' INV=-0.42'	SS-13 TOP=2.62' INV=-0.86'	SS-14 TOP=2.85' INV=-0.85'	SS-15 TOP=4.99' INV=0.64'	SS-16 TOP=5.13' INV=0.99'	SS-17 TOP=4.95' INV=-1.01'	SS-18 TOP=5.97' INV=-1.33'	SS-19 TOP=1.90' INV=-1.91'	

-Y1- (US 17 BUS.) N. ROAD STREET		16200 24300	
DHW = 10% DIR = 55% TTST = 10% DUAL = 9%		DHW = 9% DIR = 55% TTST = 10% DUAL = 9%	
-L- (US 158) E. ELIZABETH STREET	9900 1900	1100 1300	4100 5700
	1200 1600	1800 2500	14000 21400
-Y2- (US 17 BUS.) N. ROAD STREET			

-L-
 PI Sta 16+35.30
 $\Delta = 23^{\circ}05'06.3" (LT)$
 $D = 3^{\circ}41'47.4"$
 $L = 624.51'$
 $T = 316.55'$
 $R = 1,550.00'$
 SE = SEE PLANS
 RO = SEE PLANS

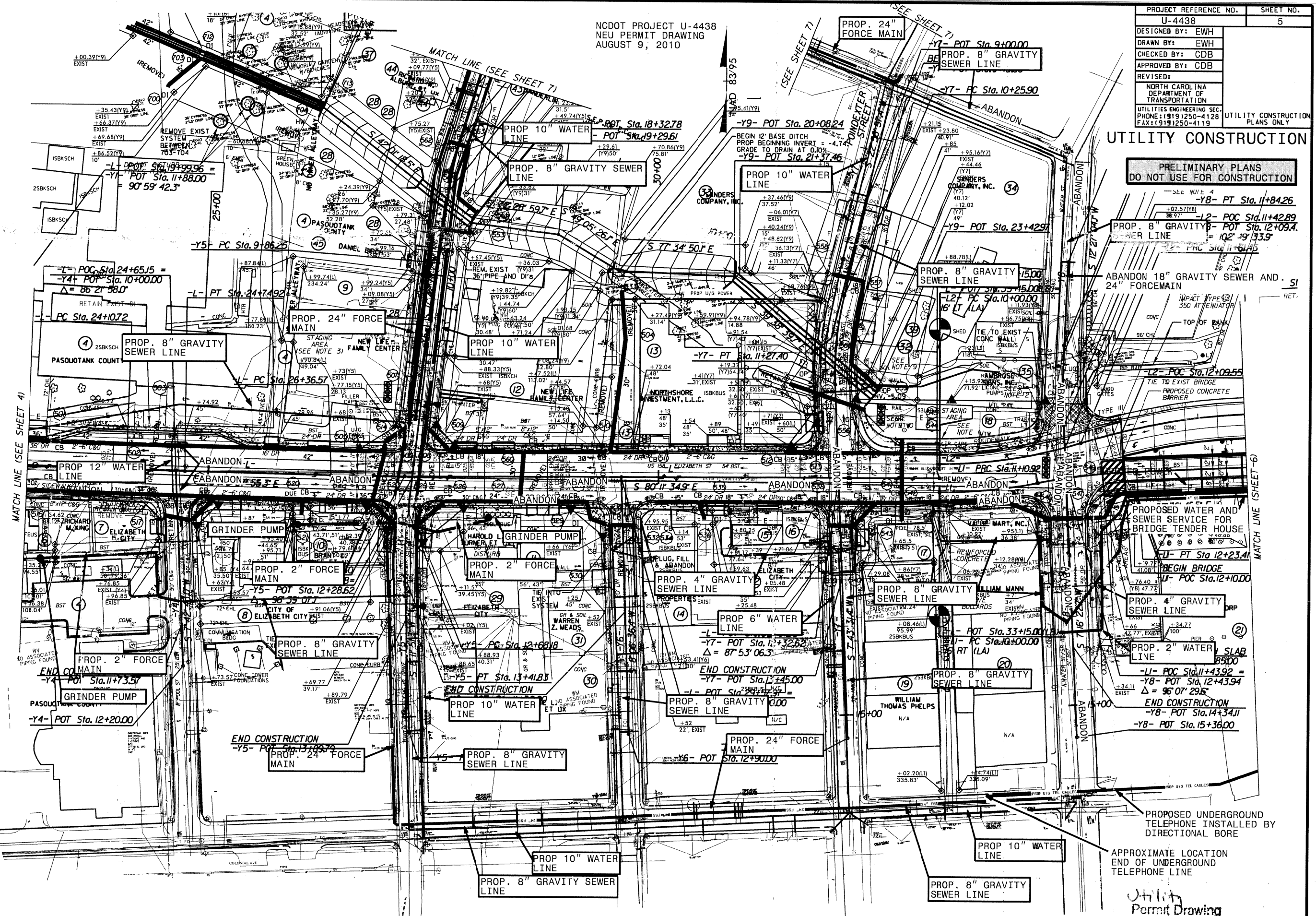
SEE SHEET NO.8 FOR -L-
 SEE SHEET NO.9 FOR -Y1- AND -Y2-
 SEE SHEET NO.10 FOR -Y3-
 SEE SHEET 2-C FOR INTERSECTION

NC DOT PROJECT U-4438
NEU PERMIT DRAWING
AUGUST 9, 2010

PROJECT REFERENCE NO.	U-4438	SHEET NO.	5
DESIGNED BY:	EWB		
DRAWN BY:	EWB		
CHECKED BY:	CDB		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
UTILITIES ENGINEERING SECTION		PHONE: (919) 250-4128	
		FAX: (919) 250-4119	

UTILITY CONSTRUCTION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



27-SEP-2010 08:40
C:\A\B\Drawings\B4438-Ut.Cema-Permit\Drawings\PSH5_bv.dgn

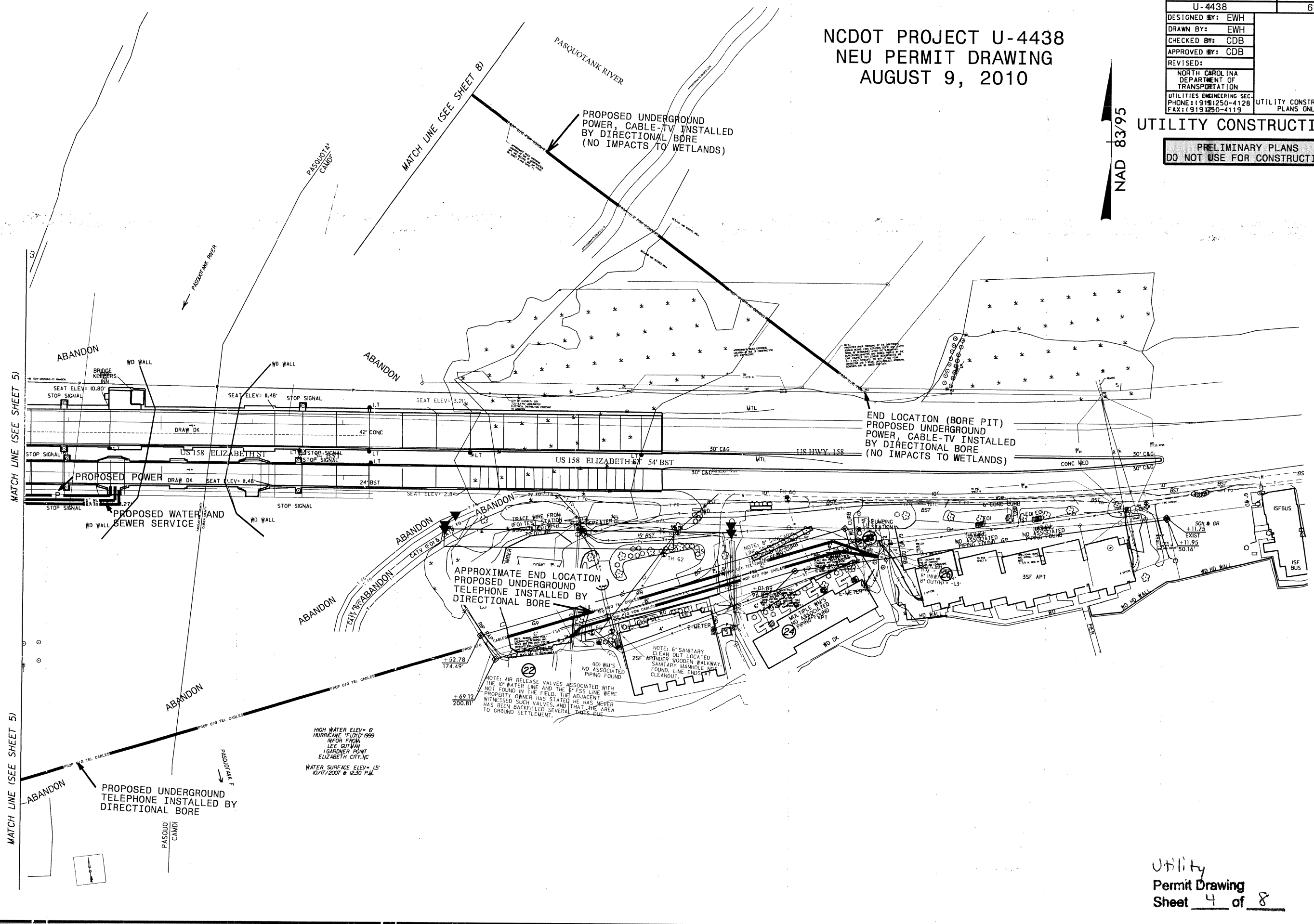
PROJECT REFERENCE NO.	SHEET NO.
U-4438	6
DESIGNED BY: EWH	
DRAWN BY: EWH	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

NCDOT PROJECT U-4438
 NEU PERMIT DRAWING
 AUGUST 9, 2010

NAD 83/95

UTILITY CONSTRUCTION

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION



5/14/99
 27-SEP-2010 08:40
 CARA PERMIT DRAWINGS\B4438-Ut_Coma_Permit_Drawings_PSH6.bv.dgn

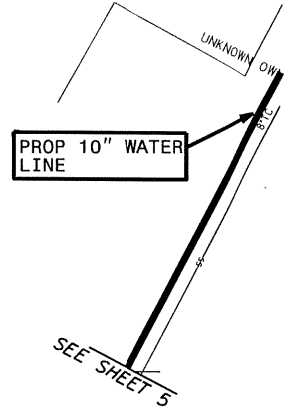
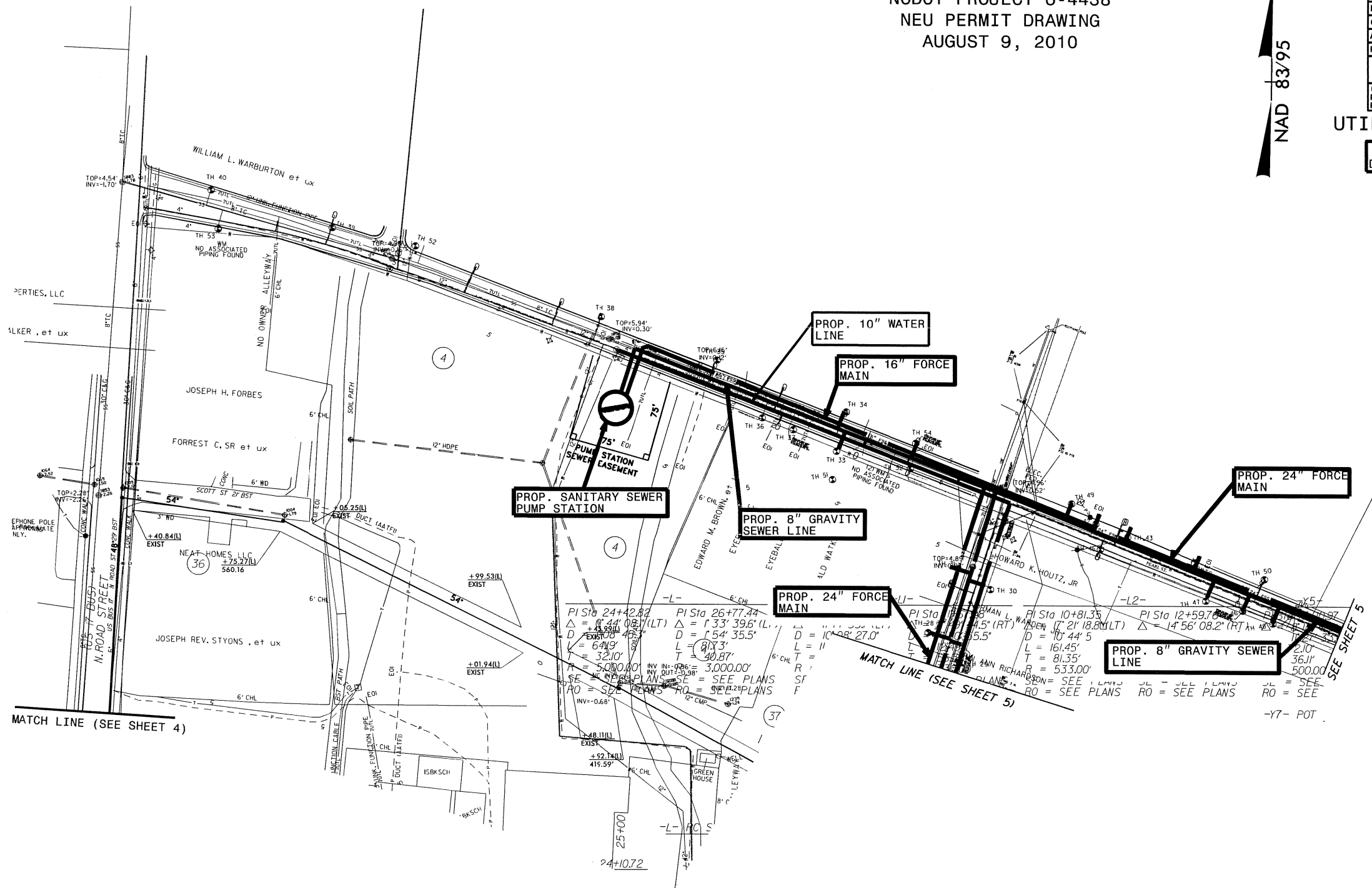
NCDOT PROJECT U-4438
 NEU PERMIT DRAWING
 AUGUST 9, 2010

NAD 83/95

PROJECT REFERENCE NO.	SHEET NO.
U-4438	7
DESIGNED BY: EWH	
DRAWN BY: EWH	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SECTION	
PHONE: 919 1250-4128	UTILITY CONSTRUCTION PLANS ONLY
FAX: 919 1250-4119	

UTILITY CONSTRUCTION

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION



PI Sta 24+42.82 PI Sta 26+77.44
 $\Delta = 0.44' (0.61' (LT))$ $\Delta = 1.33' 39.6" (L)$
 $D = 10.44' (L)$ $D = 1.54' 35.5" (L)$
 $V = 64.9'$ $L = 81.3'$
 $T = 32.10'$ $T = 40.87'$
 $R = 5000.00'$ $R = 3000.00'$
 SEE PLANS SEE PLANS
 RO = SEE PLANS RO = SEE PLANS
 INV = -0.68'

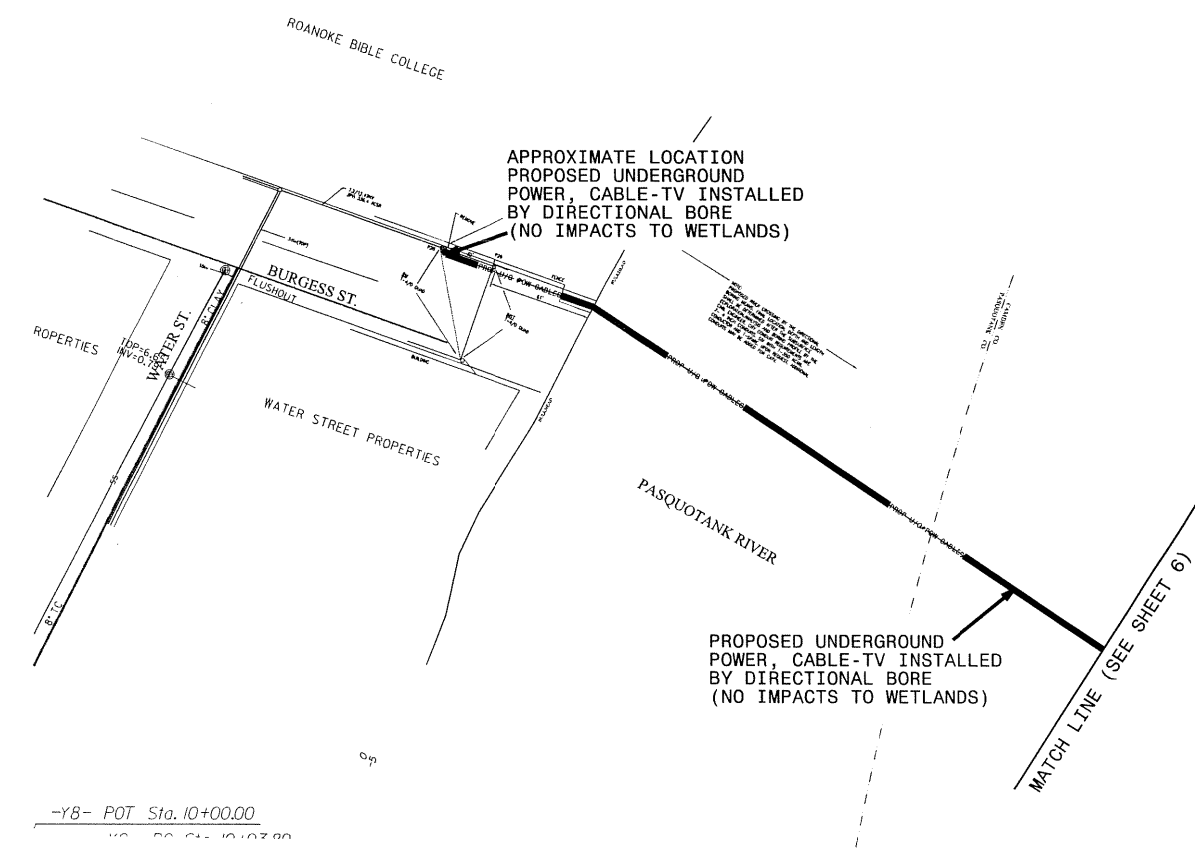
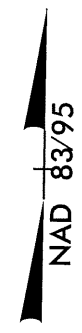
5/14/99
UTILITY CONSTRUCTION PLANS ONLY

NCDOT PROJECT U-4438 NEU PERMIT DRAWING AUGUST 9, 2010

PROJECT REFERENCE NO.	SHEET NO.
U-4438	8
DESIGNED BY:	EWB
DRAWN BY:	EWB
CHECKED BY:	EWB
APPROVED BY:	CDB
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC.	UTILITY CONSTRUCTION PLANS ONLY
PHONE: (919) 250-4128	
FAX: (919) 250-4119	

UTILITY CONSTRUCTION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION



-L1-	-L2-
PI Sta 25+13.47	PI Sta 26+67.81
$\Delta = 7^{\circ} 56' 05.7" (LT)$	$\Delta = 8^{\circ} 27' 32.9" (LT)$
$D = 2^{\circ} 29' 28.0"$	$D = 2^{\circ} 36' 15.7"$
$L = 318.53'$	$L = 324.81'$
$T = 159.52'$	$T = 162.70'$
$R = 2,300.00'$	$R = 2,200.00'$
SE = SEE PLANS	
RO = SEE PLANS	

-Y8- POT Sta. 10+00.00

Utility
Permit Drawing
Sheet 6 of 8



SOLUTIONS FROM THE GROUND UP
 150 US Hwy 158 E.
 PO Box 339
 Camden, NC 27921
 (252) 338-2913
 (252) 338-5552 fax
 www.hymanrobery.com
 License C-0598

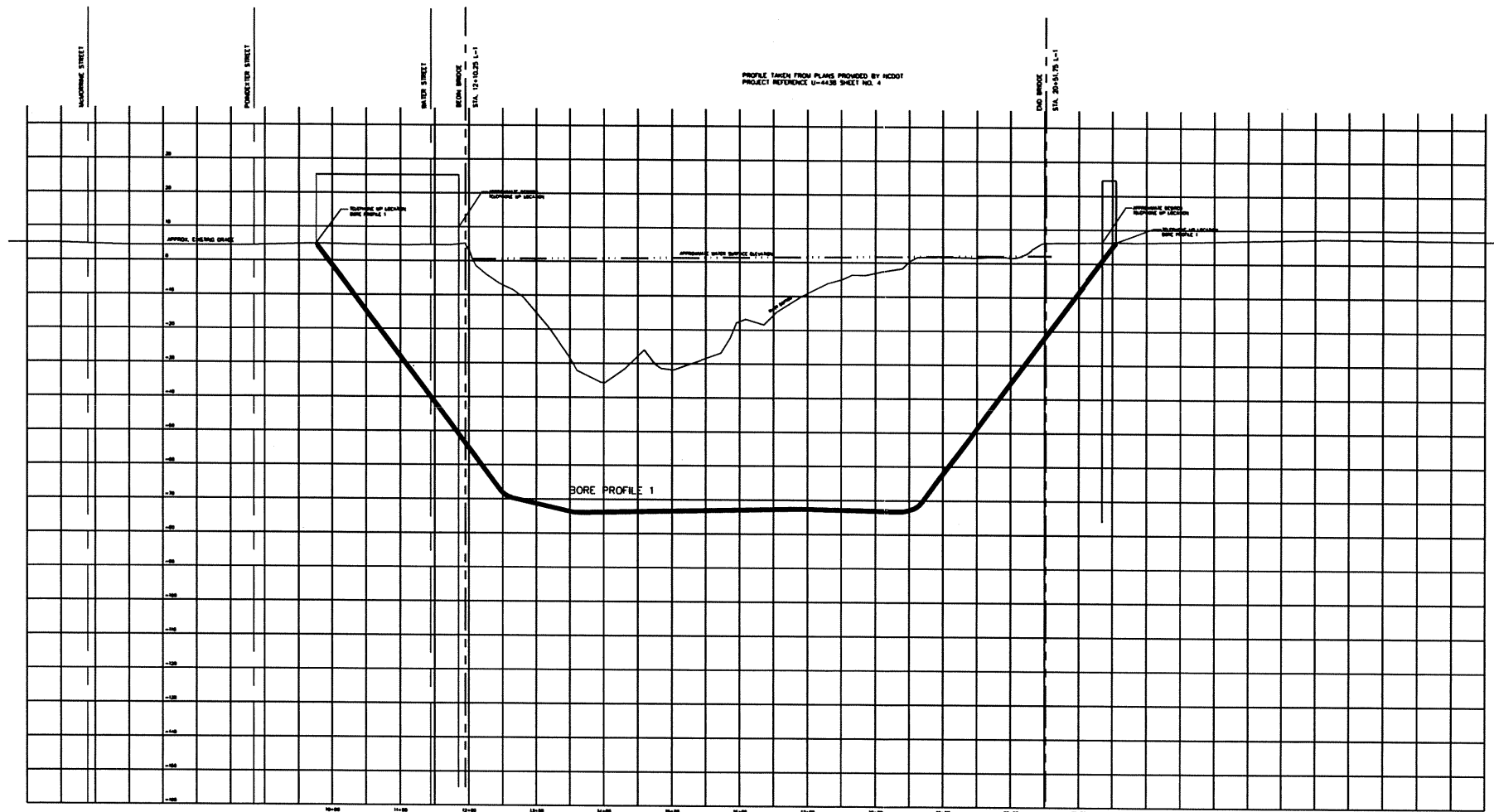
PRELIMINARY
 DO NOT USE FOR CONSTRUCTION,
 SALES, OR RECORDATION.

DIRECTIONAL
 BORE
 DIAGRAM
 FOR THE
 PASQUOTANK RIVER
 BRIDGE
 REPLACEMENT

ELIZABETH
 CITY

NORTH
 CAROLINA

U-4438 NEU PERMIT DRAWING
 PROPOSED TELEPHONE PROFILE
 UNDER PASQUOTANK RIVER
 AUGUST 9, 2010



SCALE
 HORIZONTAL: 1" = 100'
 VERTICAL: 1" = 20'

Utility
 Permit Drawing
 Sheet 7 of 8

KEY PLAN:

Project #: 100139
 Drawing #: 100139 Bridge Bore Profile
 Drawn: KDH
 Checked: SCR
 Approved: SCR
 Date: 07/29/10
 Sheet #: 1/1
 Scale: AS SHOWN

REVISIONS:
 NUM. DATE DESCRIPTION

SHEET TITLE:
 BORE PROFILE

SHEET NUMBER:

SHT-9

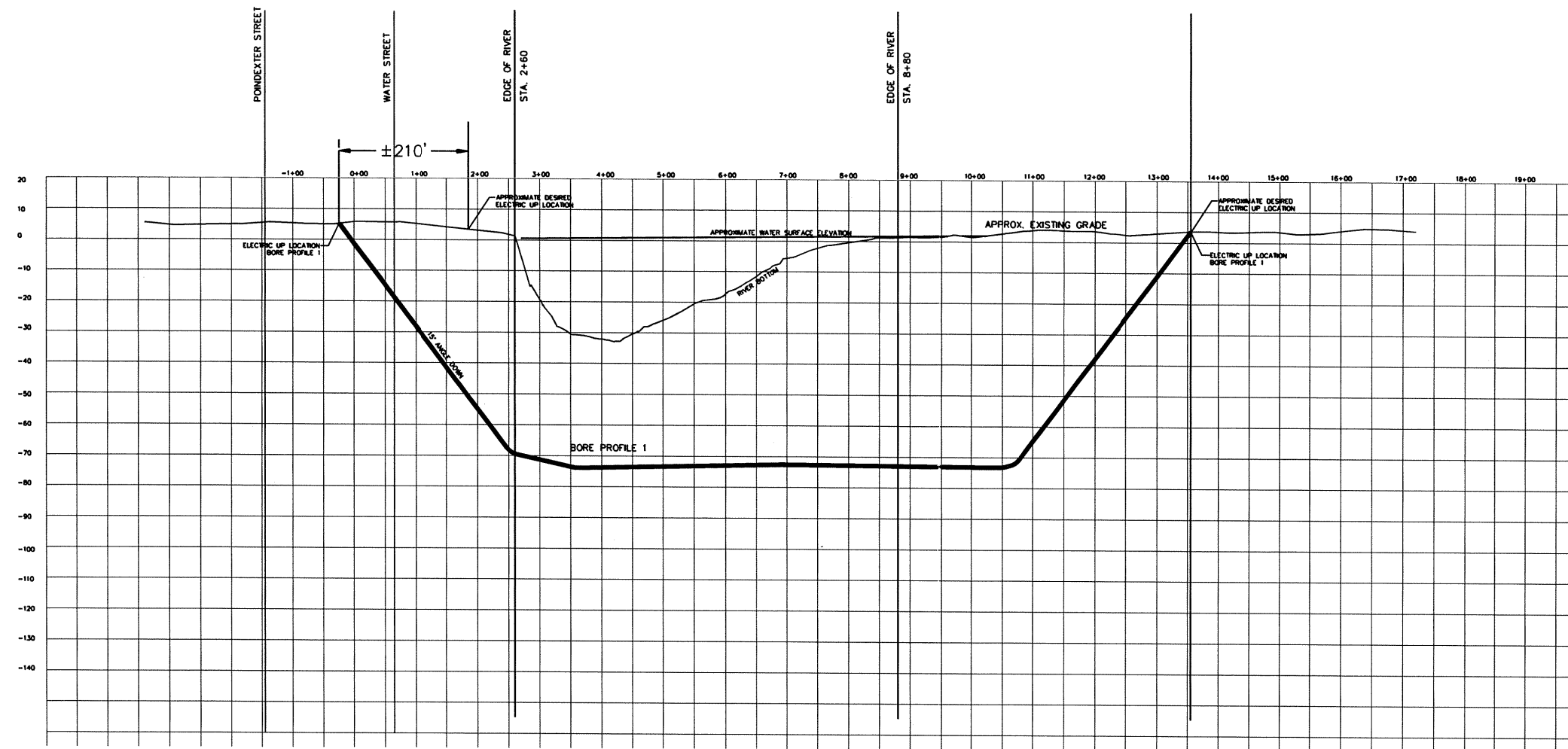


SOLUTIONS FROM THE GROUND UP
 150 US Hwy 158 E.
 PO Box 339
 Camden, NC 27921
 (252) 338-2913
 (252) 338-5552 fax
 www.hymanrobey.com
 License C-0598

PRELIMINARY
 DO NOT USE FOR CONSTRUCTION,
 SALES, OR RECORDATION.

U-4438 NEU PERMIT DRAWING
 PROPOSED POWER PROFILE
 UNDER PASQUOTANK RIVER
 AUGUST 9, 2010

PROFILE TAKEN FROM ELEVATIONS PROVIDED BY NCDOT



DIRECTIONAL
 BORE
 DIAGRAM
 FOR THE
 CITY OF
 ELIZABETH
 CITY
 ELECTRICAL
 LINE
 FOR THE
 PASQUOTANK
 RIVER
 BRIDGE
 REPLACEMENT

ELIZABETH
 CITY

 NORTH
 CAROLINA

KEY PLAN:

Project #: 100139
 Drawing #: 100139 Electrical Bore Profile
 Drawn: KDH
 Checked: SCR
 Approved: SCR
 Date: 07/28/10
 Sheet #: 1/1
 Scale: AS SHOWN

REVISIONS:
 NUM. DATE DESCRIPTION

SHEET TITLE:
 BORE PROFILE

SHEET NUMBER:
SHT-10

Utility
 Permit Drawing
 Sheet 8 of 8