

Strickland, Larry R

From: Manley, Chris
Sent: Wednesday, April 03, 2013 4:23 PM
To: Williams, Paul C
Cc: Rivenbark, Chris; Lusk, Elizabeth L
Subject: B-5122 MP and Utility revisions
Attachments: B-5122_MP_forms_revised-04032013160254.pdf; B-5122
_utility_revised-04032013160546.pdf

Paul,

Attached you will find the revised MP forms and Utility drawings for TIP B-5122. You can replace Utility Permit Drawing Sheets 2, 3, and 11 of 19 from the permit package with the attached. I hope this answers all of your questions, if not, please call or email me a.s.a.p. due to our time constraints. A hard copy will follow.

Thank you,
Chris Manley
919-707-6135

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APPLICATION for Major Development Permit

(last revised 12/27/06)



North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information			
Business Name N.C. Department Of Transportation		Project Name (if applicable) B-5122 (42264.1.1)	
Applicant 1: First Name Gregory	MI J	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 - 707 - 6135 ext.	FAX No. - -
Street Address (if different from above)		City	State
		ZIP -	
Email cdmanley@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 (if different from above)		City	State
		ZIP -	
Email			

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3. Project Location				
County (can be multiple) Bertie		Street Address US 13 at Bridge No. 51		State Rd. # US 13
Subdivision Name			City Windsor	State NC
			Zip 27983 -	
Phone No. - - ext.			Lot No.(s) (if many, attach additional page with list)	
a. In which NC river basin is the project located? Roanoke			b. Name of body of water nearest to proposed project Cashie 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. Roanoke River	
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. Town of Windsor	

4. Site Description	
a. Total length of shoreline on the tract (ft.) 417	b. Size of entire tract (sq.ft.) 210,852
c. Size of individual lot(s) <i>(If many lot sizes, please attach additional page with a list)</i>	d. Approximate elevation of tract above NHW (normal high water) or NWL (normal water level) 16 <input type="checkbox"/> NHW or <input checked="" type="checkbox"/> NWL
e. Vegetation on tract Riverine Swamp Forest, Wetlands, Grass (US 13 Shoulders and yards)	
f. Man-made features and uses now on tract Existing US 13 road facility	
g. Identify and describe the existing land uses adjacent to the proposed project site. Existing US 13 road facility; Residence	
h. How does local government zone the tract? residential	i. Is the proposed project consistent with the applicable zoning? (Attach zoning compliance certificate, if applicable) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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?	
l. Is the proposed project located in a National Registered Historic District or does it involve a National Register listed or eligible property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	

<Form continues on next page>

m. (i) Are there wetlands on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(ii) Are there coastal wetlands on the site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(iii) If yes to either (i) or (ii) above, has a delineation been conducted? <i>(Attach documentation, if available)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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. None

5. Activities and Impacts	
a. Will the project be for commercial, public, or private use?	<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Public/Government <input type="checkbox"/> Private/Community
b. Give a brief description of purpose, use, and daily operations of the project when complete. Replace bridge due to low sufficiency rating. Lengthen bridge and improve road facility and safety with widening and guardrail.	
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. Propose work bridge with temporary causeway(s). Typical construction equipment includes Crane, Bulldozer, Dump Trucks, Motorgrader, etc.	
d. List all development activities you propose. Replace/Lengthen Bridge. Remove portion existing road fill/ causeway to improve bridge hydraulic conveyance. Addition of fill due to widening facility and raising of the existing road grade.	
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?	2.0 <input type="checkbox"/> Sq.Ft or <input checked="" type="checkbox"/> Acres
g. Will the proposed project encroach on any public easement, public accessway or other area that the public has established use of?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
h. Describe location and type of existing and proposed discharges to waters of the state. No direct discharge. Existing Bridge has deck drains with direct discharge to river. Proposed Bridge will not have deck drains.	
i. Will wastewater or stormwater be discharged into a wetland?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
If yes, will this discharged water be of the same salinity as the receiving water?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
j. Is there any mitigation proposed? If yes, attach a mitigation proposal.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

<Form continues on back>

6. Additional Information	
<i>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.</i>	
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. <i>(Must be signed by property owner)</i>
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 4.3.13 Print Name Gregory J. Thayer PhD
Signature E. L. Lusk for

- 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



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Division of Highways

DEC 16 2008

Section
Development and
Analysis Branch

North Carolina Department of Cultural Resources
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor
Lisbeth C. Evans, Secretary
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History
Division of Historical Resources
David Brook, Director

December 11, 2008

MEMORANDUM

TO: Tracy Walter
Project Development and Environmental Analysis Branch
NCDOT Bridge Unit

FROM: Peter Sandbeck *RSB for Peter Sandbeck*

SUBJECT: Bridge 51 on US 13 over Cashie Creek, B-5122, Bertie County, ER 08-2887

We have conducted a review of the proposed undertaking and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the undertaking as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-807-6579. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Mary Pope Furr, NCDOT
Matt Wilkerson, NCDOT

EXCAVATION and FILL

(Except for bridges and culverts)

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

Describe below the purpose of proposed excavation and/or fill activities. All values should be given in feet.

	Access Channel (NLW or NWL)	Canal	Boat Basin	Boat Ramp	Rock Groin	Rock Breakwater	Other (excluding shoreline stabilization)
Length							820
Width							51
Avg. Existing Depth					NA	NA	13
Final Project Depth					NA	NA	15

1. EXCAVATION

This section not applicable

- a. Amount of material to be excavated from below NHW or NWL in cubic yards.
0
- b. Type of material to be excavated.
Dirt
- c. (i) Does the area to be excavated include coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL 405 None
- (ii) Describe the purpose of the excavation in these areas:
Utility relocations (see Utility Drawings and Narrative)
- d. High-ground excavation in cubic yards.
305

2. DISPOSAL OF EXCAVATED MATERIAL

This section not applicable

- a. Location of disposal area.
Temporarily adjacent to the trench, then put back in.
- b. Dimensions of disposal area.
- c. (i) Do you claim title to disposal area?
 Yes No NA
- (ii) If no, attach a letter granting permission from the owner.
- d. (i) Will a disposal area be available for future maintenance?
 Yes No NA
- (ii) If yes, where?
- e. (i) Does the disposal area include any coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None
- (ii) Describe the purpose of disposal in these areas:
- f. (i) Does the disposal include any area in the water?
 Yes No NA
- (ii) If yes, how much water area is affected?

3. SHORELINE STABILIZATION

(If development is a wood groin, use MP-4 – Structures)

This section not applicable

- a. Type of shoreline stabilization:
 Bulkhead Riprap Breakwater/Sill Other: N/A
- b. Length: _____
 Width: _____
- c. Average distance waterward of NHW or NWL:

- d. Maximum distance waterward of NHW or NWL:

- e. Type of stabilization material:

- f. (i) Has there been shoreline erosion during preceding 12 months?
 Yes No NA
 (ii) If yes, state amount of erosion and source of erosion amount information.

- g. Number of square feet of fill to be placed below water level.
 Bulkhead backfill _____ Riprap _____
 Breakwater/Sill _____ Other _____
- h. Type of fill material.
 N/A
- i. Source of fill material.

4. OTHER FILL ACTIVITIES This section not applicable
 (Excluding Shoreline Stabilization)

- a. (i) Will fill material be brought to the site? Yes No NA
 If yes,
 (ii) Amount of material to be placed in the water 0
 (iii) Dimensions of fill area _____
 (iv) Purpose of fill

- b. (i) Will fill material be placed in coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL 29,500 None
 (ii) Describe the purpose of the fill in these areas:
 Facility/ Shoulder widening; Construction access

5. GENERAL

- a. How will excavated or fill material be kept on site and erosion controlled?
 The amount is too small and temporary to propose erosion control.

- b. What type of construction equipment will be used (e.g., dragline, backhoe, or hydraulic dredge)?
 Something like a backhoe.

- c. (i) Will navigational aids be required as a result of the project?
 Yes No NA
 (ii) If yes, explain what type and how they will be implemented.

- d. (i) Will wetlands be crossed in transporting equipment to project site? Yes No NA
 (ii) If yes, explain steps that will be taken to avoid or minimize environmental impacts.

4.3.13
 Date

B-5122
 Project Name

Gregory J. Thorpe, PhD NCDOT
 Applicant Name

E. J. Lusk
 Applicant Signature

BRIDGES and CULVERTS

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

1. BRIDGES

This section not applicable

a. Is the proposed bridge:
 Commercial Public/Government Private/Community

c. Type of bridge (construction material):
3@ 60'; 36" Prestressed Girders w/ Vertical Abutments

e. (i) Will proposed bridge replace an existing bridge? Yes No
If yes,
(ii) Length of existing bridge: 149'
(iii) Width of existing bridge: 26'
(iv) Navigation clearance underneath existing bridge: 16.8'
(v) Will all, or a part of, the existing bridge be removed?
(Explain) All of the existing bridge will be removed and a portion of the road fill will be removed as well. Remnant pipes will be cut at the mudline if not pulled out.

b. Water body to be crossed by bridge:
Cashie River

d. Water depth at the proposed crossing at NLW or NWL:
NWL- 3.5'

f. (i) Will proposed bridge replace an existing culvert? Yes No
If yes,
(ii) Length of existing culvert: _____
(iii) Width of existing culvert: _____
(iv) Height of the top of the existing culvert above the NHW or NWL: _____
(v) Will all, or a part of, the existing culvert be removed?
(Explain) _____

g. Length of proposed bridge: 180'

i. Will the proposed bridge affect existing water flow? Yes No
If yes, explain: Longer Bridge and removed fill will improve bridge conveyance and reduce velocities.

h. Width of proposed bridge: 36'

j. Will the proposed bridge affect navigation by reducing or increasing the existing navigable opening? Yes No
If yes, explain: Bridge opening will increase in width by 39 ft. and the vertical clearance will decrease by less than 1 ft.

k. Navigation clearance underneath proposed bridge: 16'

l. Have you contacted the U.S. Coast Guard concerning their approval? Yes No
If yes, explain: NCDOT's letter to FHWA concerning the USCG responsibility was forwarded to the USCG by FHWA.

m. Will the proposed bridge cross wetlands containing no navigable waters? Yes No

If yes, explain:

n. Height of proposed bridge above wetlands: 12'

2. CULVERTS

This section not applicable

a. Number of culverts proposed: _____

b. Water body in which the culvert is to be placed:

< Form continues on back >

c. Type of culvert (construction material):

- d. (i) Will proposed culvert replace an existing bridge? Yes No
- If yes,
- (ii) Length of existing bridge: _____
- (iii) Width of existing bridge: _____
- (iv) Navigation clearance underneath existing bridge: _____
- (v) Will all, or a part of, the existing bridge be removed? (Explain)
- _____
- _____
- _____

- f. Length of proposed culvert: _____
- h. Height of the top of the proposed culvert above the NHW or NWL.
- _____
- j. Will the proposed culvert affect navigation by reducing or increasing the existing navigable opening? Yes No
- If yes, explain:
- _____
- _____
- _____

- e. (i) Will proposed culvert replace an existing culvert? Yes No
- If yes,
- (ii) Length of existing culvert(s): _____
- (iii) Width of existing culvert(s): _____
- (iv) Height of the top of the existing culvert above the NHW or NWL: _____
- (v) Will all, or a part of, the existing culvert be removed? (Explain)
- _____
- _____
- _____

- g. Width of proposed culvert: _____
- i. Depth of culvert to be buried below existing bottom contour.
- _____
- k. Will the proposed culvert affect existing water flow? Yes No
- If yes, explain:
- _____
- _____
- _____

3. EXCAVATION and FILL

This section not applicable

- a. (i) Will the placement of the proposed bridge or culvert require any excavation below the NHW or NWL? Yes No
- If yes,
- (ii) Avg. length of area to be excavated: _____
- (iii) Avg. width of area to be excavated: _____
- (iv) Avg. depth of area to be excavated: _____
- (v) Amount of material to be excavated in cubic yards: _____
- c. (i) Will the placement of the proposed bridge or culvert require any high-ground excavation? Yes No
- If yes,
- (ii) Avg. length of area to be excavated: 18'
- (iii) Avg. width of area to be excavated: 68'
- (iv) Avg. depth of area to be excavated: 5'
- (v) Amount of material to be excavated in cubic yards: 227

- b. (i) Will the placement of the proposed bridge or culvert require any excavation within coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
- CW _____ SAV _____ SB _____
- WL _____ None
- (ii) Describe the purpose of the excavation in these areas:
- _____
- _____
- _____

d. If the placement of the bridge or culvert involves any excavation, please complete the following:

(i) Location of the spoil disposal area: Approved DOT Site

(ii) Dimensions of the spoil disposal area: To be determined

(iii) Do you claim title to the disposal area? Yes No (If no, attach a letter granting permission from the owner.)

(iv) Will the disposal area be available for future maintenance? Yes No

(v) Does the disposal area include any coastal wetlands/marsh (CW), submerged aquatic vegetation (SAVs), other wetlands (WL), or shell bottom (SB)?

CW SAV WL SB None

If any boxes are checked, give dimensions if different from (ii) above.

(vi) Does the disposal area include any area below the NHW or NWL? Yes No

If yes, give dimensions if different from (ii) above.

e. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed below NHW or NWL? Yes No

If yes,

(ii) Avg. length of area to be filled: _____

(iii) Avg. width of area to be filled: _____

(iv) Purpose of fill: _____

f. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed within coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.

CW _____ SAV _____ SB _____

WL 29,500 None

(ii) Describe the purpose of the excavation in these areas:

The purpose of the FILL is for the roadway shoulders.

g. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d above) to be placed on high-ground? Yes No

If yes,

(ii) Avg. length of area to be filled: 760'

(iii) Avg. width of area to be filled: 50'

(iv) Purpose of fill: Road facility improvement/ Lane and shoulder widening

4. GENERAL

a. Will the proposed project require the relocation of any existing utility lines? Yes No

If yes, explain: See Utility Drawings and Narrative.

b. Will the proposed project require the construction of any temporary detour structures? Yes No

If yes, explain:

If this portion of the proposed project has already received approval from local authorities, please attach a copy of the approval or certification.

< Form continues on back >

c. Will the proposed project require any work channels? Yes No

If yes, complete Form DCM-MP-2.

d. How will excavated or fill material be kept on site and erosion controlled?

Using NCDOT Best Management Practices for Sediment and Erosion Control.

e. What type of construction equipment will be used (for example, dragline, backhoe, or hydraulic dredge)?
Crane, Bulldozer, Dump Truck, Motor Grader

f. Will wetlands be crossed in transporting equipment to project site?
 Yes No

If yes, explain steps that will be taken to avoid or minimize environmental impacts.

g. Will the placement of the proposed bridge or culvert require any shoreline stabilization?
 Yes No
If yes, complete form MP-2, Section 3 for Shoreline Stabilization only.

Date 4.3.13

Project Name B-5122

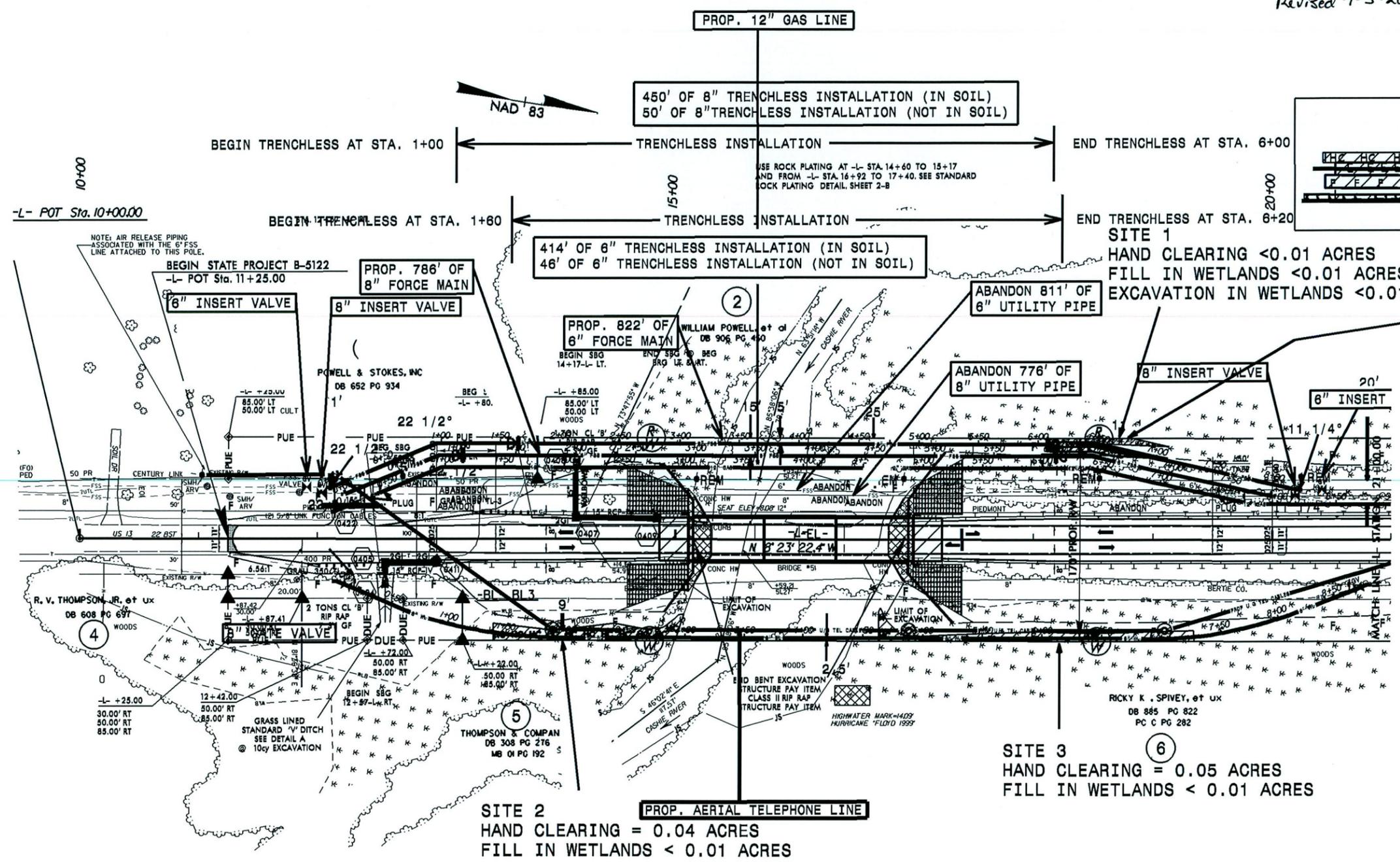
Applicant Name Gregory J. Thayer, PhD NCDOT

Applicant Signature E.L. Luck for

PROJECT REFERENCE NO.	SHEET NO.
B-5122	UC-2
DESIGNED BY: KSM	
DRAWN BY: KSM	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-8690	
UTILITY CONSTRUCTION PLANS ONLY	

Utility Permit Drawing
 Sheet 2 of 19
 Revised 4-3-2013

UTILITY CONSTRUCTION



NEU
 UTILITY RELOCATION
 PLANS



PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION

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 5/14/09

5/14/99

PROJECT REFERENCE NO. B-5122	SHEET NO. UC-3
DESIGNED BY: KSM	
DRAWN BY: KSM	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

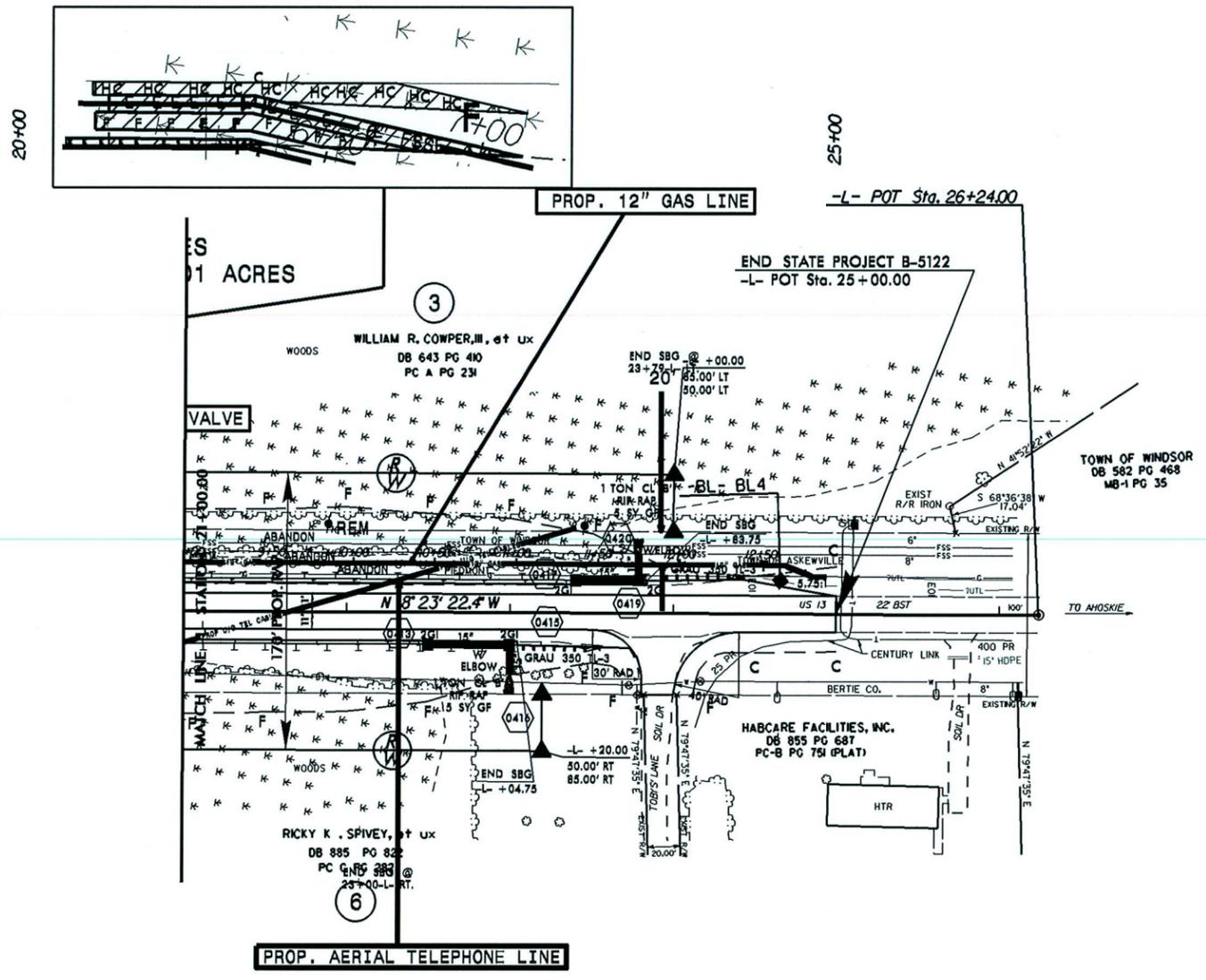
Utility Permit Drawing
Sheet 3 of 19
Revised 4-3-2013

NC GRID
NAD 83 (CORS 96)

PHONE: (919)707-6690
FAX: (919)250-4151

UTILITY CONSTRUCTION

NEU
UTILITY RELOCATION
PLANS

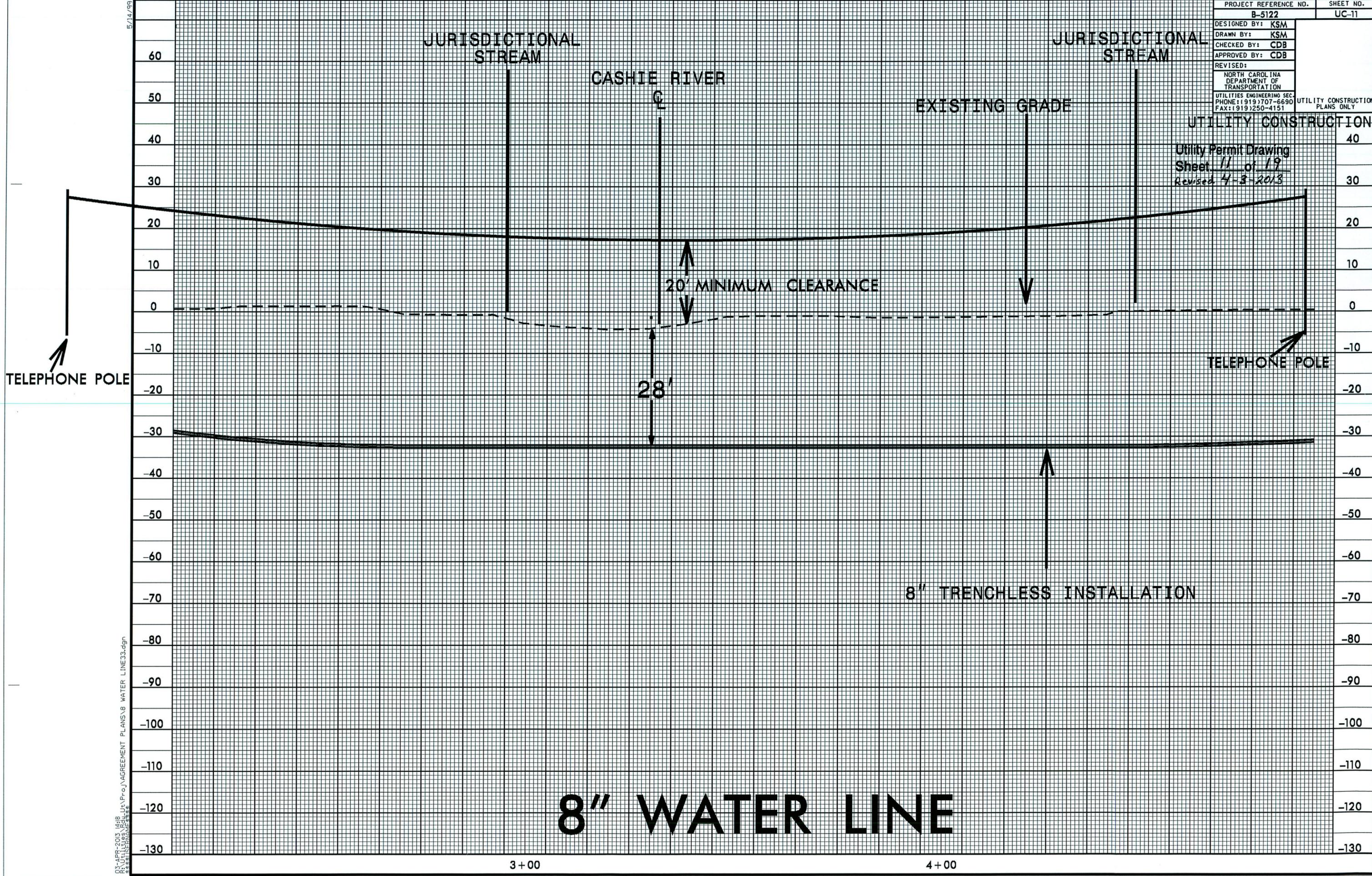


PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

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PROJECT REFERENCE NO.	SHEET NO.
B-5122	UC-11
DESIGNED BY: KSM	
DRAWN BY: KSM	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
	UTILITY CONSTRUCTION PLANS ONLY



TELEPHONE POLE

TELEPHONE POLE

JURISDICTIONAL STREAM

JURISDICTIONAL STREAM

CASHIE RIVER

EXISTING GRADE

UTILITY CONSTRUCTION

Utility Permit Drawing
Sheet 11 of 19
Revised 4-3-2013

20' MINIMUM CLEARANCE

28'

8" TRENCHLESS INSTALLATION

8" WATER LINE

3+00

4+00

03-APR-2013 14:18 P:\UTILITIES\AGREEMENT PLANS\8 WATER LINE33.dgn