



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

May 1, 2013

Addendum No. 1

RE: Contract ID C203332

WBS # 34416.3.3, 34416.3.4

State Funded

Cumberland, Sampson Counties (R-2303 A & B) (Proposal No. 3 Cluster)

NC-24 From West Of SR-1006 (Maxwell Road/Clinton Road) To

SR-1404 (Dowdy Road) In Sampson County

May 21, 2013 Letting

To Whom It May Concern:

Reference is made to the proposal form furnished to you on this project.

The first page of the Table of Contents has been revised to reflect the below noted provisions being added. Please void the first page of the Table of Contents in your proposal and staple the revised page thereto.

On Page No. 31 and on New Page Nos. 31A thru 31C the project special provisions entitled "Delay in Right of Entry", "Field Office (Lump Sum)" and "State Owned Borrow Source" have been added. Please void Page No. 31 in your proposal and staple the revised Page No. 31 and new Page Nos. 31A thru 31C thereto.

Page Nos. 90 thru 92 has been revised to add a statement concerning stockpiling meters and hydrants to the project special provisions for "Utility Construction". Please void Page Nos. 90 thru 92 in your proposal and staple the revised Page Nos. 90 thru 92 thereto.

On Page No. R-22 an asterisk has been added to the heading "Stipulations" which indicates that this is the responsibility of the NCDOT. On Page No. R-32 an asterisk has been added to condition #10 of the permit to also indicate that this is the responsibility of the NCDOT. Please void Page Nos. R-22 and R-32 in your proposal and staple the revised Page Nos. R-22 and R-32 thereto.

New Page Nos. R-156 thru R-165 has been added to include the 404 and 401 permit modifications to authorize utility installation for the R-2303A portion of this project. Please staple New Page Nos. R-156 thru R-165 after Page No. R-155 in your proposal.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

TELEPHONE: 919-707-6900
FAX: 919-250-4119

WEBSITE: www.NCDOT.GOV

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

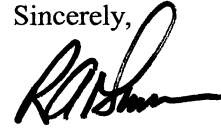
On the item sheets the following pay item quantities have been revised, added or deleted:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
059-111000000-E-510 317-0000700000-N-SP	Stabilizer Aggregate Field Office	35,000 TON NEW ITEM	2,000 TON LUMP SUM
307-836500000-E-450	HP 12X53 Galvanized Steel Piles	14,990 LF	DELETED
307-838420000-E-450	HP 14X73 Galvanized Steel Piles	NEW ITEM	14,990 LF

The Contractor's bid must be based on these revised pay item quantities and new pay items. The contract will be prepared accordingly.

The Expedite File has been updated to reflect these revisions. Please download the Expedite Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

Sincerely,



R. A. Garris, PE
Contract Officer

RAG/jag

Attachments

cc:	Mr. Ron Hancock, PE	Mr. Ray Arnold, PE
	Mr. Greg Burns, PE	Ms. Natalie Roskam, PE
	Ms. Karen Fussell, PE	Ms. Penny Higgins
	Ms. D. M. Barbour, PE	Ms. Jaci Kincaid
	Mr. J. V. Barbour, PE	Mr. Ronnie Higgins
	Mr. R.E. Davenport, PE	Mr. Larry Strickland
	Mr. John Pilipchuk, PE	Ms. Marsha Sample
	Ms. Lori Strickland	Project File (2)

TABLE OF CONTENTS

**COVER SHEET
PROPOSAL SHEET**

PROJECT SPECIAL PROVISIONS

NOTICE TO BIDDERS (2 projects): 1
 CONTRACT TIME AND LIQUIDATED DAMAGES:.....2
 INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:2
 INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES:3
 INTERMEDIATE CONTRACT TIME NUMBER 3 AND LIQUIDATED DAMAGES:4
 INTERMEDIATE CONTRACT TIME NUMBER 4 AND LIQUIDATED DAMAGES:4
 PERMANENT VEGETATION ESTABLISHMENT:4
 MAJOR CONTRACT ITEMS:.....5
 SPECIALTY ITEMS:5
 FUEL PRICE ADJUSTMENT:6
 PAYOUT SCHEDULE:.....6
 SCHEDULE OF ESTIMATED COMPLETION PROGRESS:7
 MINORITY BUSINESS ENTERPRISE AND WOMEN BUSINESS ENTERPRISE:.....7
 CONTRACTOR'S LICENSE REQUIREMENTS:21
 SUBSURFACE INFORMATION:.....21
 LOCATING EXISTING UNDERGROUND UTILITIES:21
 DOMESTIC STEEL:21
 REMOVABLE PAVEMENT MARKINGS - (Partial Payments for Materials):22
 MAINTENANCE OF THE PROJECT:.....22
 TWELVE MONTH GUARANTEE:23
 OUTSOURCING OUTSIDE THE USA:23
 GIFTS FROM VENDORS AND CONTRACTORS:.....24
 EROSION AND SEDIMENT CONTROL/STORMWATER CERTIFICATION:.....24
 PROCEDURE FOR MONITORING BORROW PIT DISCHARGE:29
 EMPLOYMENT:.....31
 STATE HIGHWAY ADMINISTRATOR TITLE CHANGE:31
 DELAY IN RIGHT OF ENTRY:31
 FIELD OFFICE (Lump Sum):31
 STATE OWNED BORROW SOURCE: 31C
 ROADWAY32
 GEOTECHNICAL75
 GEOENVIRONMENTAL77
 TRAFFIC CONTROL86
 UTILITY CONSTRUCTION87
 UTILITIES BY OTHERS93
 EROSION CONTROL99
 SIGNALS AND INTELLIGENT TRANSPORTATION SYSTEMS140
 PROJECT SPECIAL PROVISIONS STRUCTURE / CULVERTS173

PERMITS R-1

STANDARD SPECIAL PROVISIONS

AVAILABILITY OF FUNDS – TERMINATION OF CONTRACTS 1
 NCDOT GENERAL SEED SPECIFICATION FOR SEED QUALITY2
 ERRATA5
 PLANT AND PEST QUARANTINES7
 MINIMUM WAGES8
 ON-THE-JOB TRAINING9

The Contractor may use cation exchange capacity (CEC) values from proposed site borings to plan and develop the bid for the project. CEC values exceeding 15 milliequivalents per 100 grams of soil may indicate a high potential for turbidity and should be avoided when dewatering into surface water is proposed.

No additional compensation for monitoring borrow pit discharge will be paid.

EMPLOYMENT:

(11-15-11) (Rev. 1-17-12)

108, 102

SPI G184

Revise the *2012 Standard Specifications* as follows:

Page 1-20, Subarticle 102-15(O), delete and replace with the following:

(O) Failure to restrict a former Department employee as prohibited by Article 108-5.

Page 1-65, Article 108-5 Character of Workmen, Methods, and Equipment, line 32, delete all of line 32, the first sentence of the second paragraph and the first word of the second sentence of the second paragraph.

STATE HIGHWAY ADMINISTRATOR TITLE CHANGE:

(9-18-12)

SPI G185

Revise the *2012 Standard Specifications* as follows:

Replace all references to “State Highway Administrator” with “Chief Engineer”.

DELAY IN RIGHT OF ENTRY:

(7-1-95)

108

SPI G22 A

The Contractor will not be allowed right of entry to the parcels listed below before May 15, 2013 unless otherwise permitted by the Engineer.

<u>Parcel No.</u>	<u>Property Owner</u>
158	City of Fayetteville

FIELD OFFICE (Lump Sum):

(6-1-07)

SPI 8-1

Description

This work consists of furnishing, erecting, equipping, and maintaining a field office for the exclusive use of Department Engineers and Inspectors at a location on the project approved by the Engineer. Provide a field office that complies with the current ADA Design and Accessibility Standards, the National Electric Code, local, state, and federal regulations, and the following requirements.

Procedures

The field office and equipment will remain the property of the Contractor upon completion of the contract. The field office shall be separated from buildings and trailers used by the Contractor and shall be erected and functional as an initial operation. Failure to have the field office

functional when work first begins on the project will result in withholding payment of the Contractor's monthly progress estimate. The field office shall be operational throughout the duration of the project and shall be removed upon completion and final acceptance of the project.

Provide a field office that is weatherproof, tightly floored and roofed, constructed with an air space above the ceiling for ventilation, supported above the ground, has a width of at least 10 feet, and the floor-to-ceiling height that is at least 7 feet 6 inches. Provide inside walls and a ceiling constructed of plywood, masonite, gypsum board, or other suitable materials. Have the exterior walls, ceiling, and floor insulated.

Provide a field office with at least 500 square feet of floor space and that is equipped with the following:

<u>Number</u>	<u>Item</u>
1	Double-pedestal desk (approximately 60 by 34 inches, at least 2,000 square inches).
1	Plan and drafting table (approximately 30 by 96 inches) with adjustable stool.
1	Computer table at least 48 by 30 by 29 inches.
1	Plan rack for 24 by 36 inch drawings with 6 plan clamps.
1	Printing calculator.
2	2-drawer fire protection file, 15 inch drawer width, minimum UL rating of Class 350.
6	Office chairs with at least two chairs having casters.
2	Wastebaskets.
1	Pencil sharpener.
1	Copy machine (8 inch x 11 inch copies)
1	Telephone.
1	Fax Machine.
1	Answering machine.

Windows and Doors

Provide a field office with at least three windows with blinds, each having an area of at least 540 square inches, capable of being easily opened and secured from the inside and having at least two exterior passage doors. Provide doors at least 30 inches in width and 78 inches in height. Provide screens for windows and doors. Equip exterior passage doors with locks, and furnish at least two keys to the Engineer.

Steps

Provide accessibility in compliance with the current ADA Design and Accessibility Standards, and the State Building Code and maintain them free from obstructions.

Storage Facility For Nuclear Gage

Furnish the field office with an outside storage facility for the Department's nuclear gage. The storage facility shall not be located within 10 feet of any other structure including the field office.

Lighting, Heating, and Air Conditioning

The field office shall have satisfactory lighting, electrical outlets, heating equipment, an exhaust fan, and an air conditioner connected to an operational power source. Provide at least one of the light fixtures that is a fluorescent light situated over the plan and drafting table. Furnish electrical current and fuel for heating equipment.

Fire Extinguishers

Furnish and maintain one fire extinguisher for each required exterior passage door. Fire extinguisher may be chemical or dry powder. UL Classification 10-B:C (minimum), suitable for Type A:B:C: fires. Mount and maintain fire extinguishers in accordance with OSHA Safety and Health Standards.

Toilets

Provide a toilet conforming to the requirements of the state and local boards of health or other bodies or courts having jurisdiction in the area. When separate facilities for men and women are not available, place a sign with the words "Rest Room" (with letters at least 1 inch in height) over the doorway, and provide an adequate positive locking system on the inside of the doorway. Maintain responsibility for the water and sewer connections or the installation and connection of a water well and septic tank and drain field. These facilities shall conform to all local and state permits.

Utilities

Except for telephone service, make necessary utility connections, maintain utilities, pay utility service fees and bills, and handle final disconnection of utilities. Furnish a telephone in each field office and permit the work necessary to install it.

Storage Facility for Test Equipment

Provide the field office with a storage facility, separate from the office for storage of test equipment, other than the nuclear gage. Provide a facility that has at least 64 square feet of floor space, is weatherproof, tightly floored and roofed, and has a tamper resistant key operated lock.

Miscellaneous Items

The field office shall also include the following:

1. A certification that the office is free of asbestos and other hazardous materials.
2. A broom, dust pan, mop and bucket, and general cleaning supplies.
3. Provide and maintain an all weather parking area for six vehicles, including graveled access to the paved surface.

Measurement and Payment

Payment at the contract lump sum bid price for *Field Office* will be full compensation for all work covered by this provision including but not limited to furnishing, erecting, maintaining, and removing the field office as outlined in this provision.

Installation and service fees for the telephone will be paid for by the Department.

Payment will be made under:

Pay Item	Pay Unit
Field Office	Lump Sum

STATE OWNED BORROW SOURCE:

The Contractor's attention is called to the fact that a state owned potential borrow source is available approximately 1 mile from this project located on SR 1006 (Maxwell Road) (see map located on the DOT website). The property is approximately 20 to 25 acres in size. The material will be made available upon request and at no cost to the Contractor.

The Contractor will be responsible for determining the suitability of the material prior to placing his bid and shall have no claims regarding the amount or suitability of the material at the site. The Contractor shall provide his own labor and loading equipment at the state furnished source.

Leave the State Furnished borrow sources in a neat and presentable condition after use. The perimeter shall be secured with a 6 ft. chain link fence with extension arms and 3 strand barbed wire. Payment for the fence will be by supplemental agreement. Smooth, round and construct all slopes no steeper than 3:1. Seed and mulch the area in accordance with the *Standard Specifications*. The Contractor shall be responsible for the maintenance of the existing haul road and shall leave the haul road in an acceptable condition.

A reclamation plan **will** be required for this state furnished borrow source. Comply with Article 230-4 of the Specifications concerning Reclamation Plan, Buffer Zones, Evaluation of Wetlands and Endangered Species, and approvals.

Measurement and Payment

Borrow Excavation will be measured in accordance with Article 230-5(A) of the Specifications, and will be paid for in cubic yards.

Pay Item	Pay Unit
Borrow Excavation	Cubic Yard

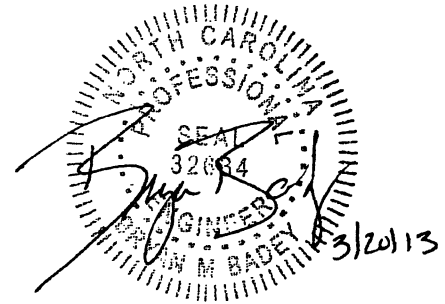
Revised 5-1-13

Project: R-2303B
County: Sampson

90

Prepared by:

Rummel, Klepper & Kahl, LLP
Consulting Engineers
900 Ridgefield Drive, Suite 350
Raleigh, NC 27609
Phone: (919) 878-9560
Fax: (919) 790-8382



FINAL PROJECT SPECIAL PROVISIONS

Sampson County; Water Line Construction
February 27,2013 - Revised March 20,2013

GENERAL CONSTRUCTION REQUIREMENTS:

Specifications:

The proposed utility construction shall meet the applicable requirements of the NC Department of Transportation "Standard Specifications for Roads and Structures" dated January 2012, Sampson County standard specifications and the provisions outlined below.

Contractor shall meet the installation standards of the AWWA or ASTM for water line construction.

Owner and Owner's Requirements:

The existing water mains are owned by Sampson County. The primary contact person for the County is Mr. Lee Cannady; office phone: (910) 592-0188. The contractor shall provide access for the owner's representatives to all phases of construction. The owner shall also be notified two (2) weeks prior to commencement of any work and one (1) week prior to service interruption. Interruption of water service on main lines shall be limited to a maximum of 4 hours during regular working hours unless approved otherwise by Sampson County Water Department.

It shall be the Contractor's responsibility to notify customers affected by necessary shut downs of the existing water system at least 24 hours in advance.

Only Sampson County Water Department personnel shall operate valves and hydrants except in the case of an emergency. Notify the County immediately of an emergency requiring valve or hydrant operation.

All removed water meters and fire hydrants shall be stockpiled by the Contractor in one area accessible for the owner to pick up.

Any cracked, damaged, or defective pipe, fittings, or other attachments discovered as a result of the pressure test, shall be removed and replaced with sound material. The tests shall be repeated until test results are satisfactory.

Revise the NCDOT 2012 "Standard Specifications for Roads and Structures" as follows:

Page 15-6, Sub article 1510-3 (A) Construction Requirements:

Follow the allowable leakage formula from the most current versions of AWWA C600 (for ductile iron pipe) or AWWA C605 (for PVC pipe). The allowable leakage formula is:

$$W=LD(P)Y^2 /148,000$$

For disinfection, use the "Continuous-Feed Method" as described in the most current version of AWWA C651, Section 4.4.3 and as directed in NCDENR "The Rules of Governing Public Water Systems", Section .1003. This method requires a solution of at least 50ppm chlorine to be introduced into the new pipe line and held for at least 24 hours. During this time, the residual concentration of chlorine shall remain at least 10ppm. If the chlorine concentration drops below 10ppm, the test shall be repeated. Collected samples shall be analyzed at a state approved laboratory and the result provided to the utility owner.

The testing, cleaning and sterilization shall be performed consecutively.

Utility Locations Shown on the Plans:

The locations, sizes, and type material of the existing utilities shown on the plans are from the best available information. The contractor will be responsible for determining the exact location, size, and type of material of the existing facilities necessary for the construction of the proposed utilities and to avoid damage to existing facilities. All water and sanitary sewer services disturbed during construction shall be reconnected, even if not shown on the plans. Contractor is to make the Engineer aware of any plan discrepancies.

Water line location in relation to sewers shall conform to NCDOT's 2012 "Standard Specifications for Roads and Structures" Section 1500-5 and NCDENR's "The Rules of Governing Public Water Systems" Section .0906.

Open Cut Installation:

All water line construction performed using open cut installation within or adjacent to traffic shall have the final approved traffic control measures in place prior to beginning any open cut installation.

Material Specifications:

When brand names of materials have been determined, the Contractor shall obtain approval, through the engineer and the owner prior to their use and/or installation.

Then Contractor shall furnish, but is not limited to furnishing, catalog cuts and/or shop drawings of the materials. Thirty days shall be allowed for the Engineer's review of each submittal. Eight copies of each catalog cut and/or shop drawing (signed and sealed) shall be submitted.

COMPENSATION:

No direct payment will be made for utility construction work required by the preceding provisions which are general requirements applying to utility construction, and all of the requirements stated will be considered incidental work, paid for at the previously agreed upon lump sum price.

1. Relocation of Water Booster Pump Station:

Contractor shall relocate the existing water booster pump station, portable generator and above ground propane storage tank. Prior to relocating the booster pump station the contractor shall clear and grub the new site than grade the site allowing a level area to place the relocated water booster pump station. The contractor shall construct a new concrete pad at least 4 inches thick with 4 inch of No. 67 stone as a base. The concrete pad shall match the dimension of the existing pad in length and width. The concrete shall be 3,000 psi concrete and the openings for the water line connections shall be formed prior to pouring the concrete. All water line connections to the booster pump station shall be preliminarily fitted together, making sure all connections are sizes properly and aligned to match up with the booster pump station pipes and fittings. All electrical work shall be performed by a licensed electrician in the State of North Carolina. Contractor shall coordinate with the power company to provide a new service pole with area light and a connection to the relocated meter box. Contractor shall reconnect all require electrical connection to the booster pump station and generator. Finally the contractor shall fence the new boost pump station site with galvanized chain link fence and a gate for access which matches the existing fence around the water booster pump station site.

Relocation of Water Booster Pump Station installed in accordance with the plans and provisions herein and accepted, will be measured and paid for at the contract lump sum price for "Relocation of Water Booster Pump Station". Such prices and payments will be full compensation for all materials, labor, equipment, excavation and incidentals necessary to complete the work as required.

*** Stipulations:**

FHwA will ensure that the following measures are carried out:

- I. The NCDOT will develop separate Data Recovery Plans (DRP) for sites 31SP331 and 31DP226/226**, the sites that will be affected by the subject Undertaking, in consultation with the HPO.
- II. The NCDOT will ensure that the DRP will be implemented after Right of Way is acquired or once Right of Entry is secured from the property owners and prior to construction activities within the site locations as shown in the DRP.
- III. Upon completion of each Data Recovery effort, the NCDOT will prepare and forward a Management Summary to HPO detailing the results of the Data Recovery field investigations. The Management Summaries will contain sufficient information to demonstrate that the field investigation portions of the DRP have been implemented.
- IV. Upon receipt of each Management Summary HPO will respond within ten (10) days to the recommendations contained within the document.
- V. Upon acceptance of the recommendations contained in each Management Summary HPO will issue the NCDOT documentation that the Data Recovery field investigations have been completed.
- VI. The analyses and reports detailing sites 31SP331 and 31SP226/226** will be completed by the NCDOT or their consultants within twelve (12) months after completion of the fieldwork.
- VII. If historic properties are discovered or unanticipated effects on historic properties are found after FHwA approves the Undertaking and construction has commenced, FHwA will consult with HPO and the property owner(s) in accordance with 36 CFR 800.13(b). Inadvertent or accidental discovery of human remains will be handled in accordance with North Carolina General Statutes 65 and 70.
- VIII. Any Signatory may terminate this MOA by providing notice to the other party(ies) provided that the party(ies) will consult during the period prior to termination to seek agreement on amendments or other actions that would avoid termination. Termination of this MOA will require compliance with 36 CFR 800. This MOA may be terminated by the execution of a subsequent MOA that explicitly terminates or supersedes its terms.

3. All channel relocations will be constructed in a dry work area and stabilized before stream flows are diverted. Channel relocations will be completed and stabilized, and must be approved on site by NCDWQ staff, prior to diverting water into the new channel. Whenever possible, channel relocations shall be allowed to stabilize for an entire growing season. Vegetation used for bank stabilization shall be limited to native woody species, and should include establishment of a 30 foot wide wooded and an adjacent 20 foot wide vegetated buffer on both sides of the relocated channel to the maximum extent practical. All stream banks shall be matted with coir fiber matting. Also, rip-rap may be allowed if it is necessary to maintain the physical integrity of the stream, but the applicant must provide written justification and any calculations used to determine the extent of rip-rap coverage requested. Once the stream has been turned into the new channel, it may be necessary to relocate stranded fish to the new channel to prevent fish kills.
4. Riprap shall not be placed in the active thalweg channel or placed in the streambed in a manner that precludes aquatic life passage. Bioengineering boulders or structures should be properly designed, sized and installed.
5. For streams being impacted due to site dewatering activities, the site shall be graded to its preconstruction contours and revegetated with appropriate native species.
6. The stream channel shall be excavated no deeper than the natural bed material of the stream, to the maximum extent practicable. Efforts must be made to minimize impacts to the stream banks, as well as to vegetation responsible for maintaining the stream bank stability. Any applicable riparian buffer impact for access to stream channel shall be temporary and be revegetated with native riparian species.
7. Pipes and culverts used exclusively to maintain equilibrium in wetlands, where aquatic life passage is not a concern, shall not be buried. These pipes shall be installed at natural ground elevation.
- * 8. Compensatory mitigation for 278 linear feet of impact to streams is required. We understand that you have chosen to perform compensatory mitigation for impacts to streams through the North Carolina Ecosystem Enhancement Program (EEP), and that the EEP has agreed to implement the mitigation for the project. EEP has indicated in a letter dated July 26, 2012 that they will assume responsibility for satisfying the federal Clean Water Act compensatory mitigation requirements for the above-referenced project, in accordance with the EEP Mitigation Banking Instrument signed July 28, 2010.
- * 9. Compensatory mitigation for impacts to 5.22 acres of non-riparian wetlands is required. We understand that you have chosen to perform compensatory mitigation for impacts to non-riparian wetlands through the North Carolina Ecosystem Enhancement Program (EEP), and that the EEP has agreed to implement the mitigation for the project. EEP has indicated in a letter dated July 26, 2012 that they will assume responsibility for satisfying the federal Clean Water Act compensatory mitigation requirements for the above-referenced project, in accordance with the EEP Mitigation Banking Instrument signed July 28, 2010.
- * 10. Compensatory mitigation for the 2.46 acres of riparian wetland impacts is required. We understand that you have chosen to debit mitigation from Privateer Farm Mitigation Bank. Privateer Farm Mitigation Bank is located in Cumberland and Bladen County in HUC 03030005; adjacent to Section A of the project HUC (03030006). Since there are no available credits existing in HUC 03030006, it is DWQ's policy to debit adjacent HUCs at a 3:1 ratio. This certification gives you approval to debit 7.38 acres of riparian wetland mitigation from the Privateer Farm Mitigation Bank to satisfy the mitigation requirements of this permit.
11. When final design plans are completed for R-2303 Section(s) B through F, a modification to the 401 Water Quality Certification shall be submitted with five copies and fees to the NC Division of Water Quality. Final designs shall reflect all appropriate avoidance, minimization, and mitigation for impacts to wetlands, streams, and other surface waters, and buffers. No construction activities that impact any wetlands, streams, surface waters, or buffers located in R-2303 Section(s) B through F shall begin until after the permittee applies for, and receives a written modification of the 401 Water Quality Certification and the from the NC Division of Water Quality.

General Conditions

12. Unless otherwise approved in this certification, placement of culverts and other structures in open waters and streams shall be placed below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other

Addendum No. 1



REPLY TO
ATTENTION OF:

R-156

DEPARTMENT OF THE ARMY
WILMINGTON DISTRICT, CORPS OF ENGINEERS
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA 28403-1343

NEW 5-1-13

RECEIVED

MAR 27 2013

DIVISION OF HIGHWAYS
PDEA-OFFICE OF NATURAL ENVIRONMENT

March 22, 2013

Regulatory Division

Action ID No. SAW-1992-03237

Note - Pages 156-165 are
modifications applicable
to R-2303A Permit.

Dr. Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Dear Dr. Thorpe:

Reference the Department of the Army (DA) permit issued on December 12, 2012, for the discharge of fill material into waters and wetlands adjacent to various Creeks, and their tributaries in order to construct Section A of TIP# R-2303 (NC 24), Cumberland County, North Carolina. Reference is also made to your Section A permit modification request dated March 13, 2013 with revision to work plan drawings dated March 18, 2013. This information was submitted to request authorization to complete utility installation which will result in hand clearing within jurisdictional areas. Specifically, the request is to impact an additional 0.19 acre of wetland that will be cut and maintained in a different vegetative state under overhead power lines.

I have determined that the proposed project modifications described above are not contrary to the public interest and consistent with the 404 (B)(1) and therefore, the DA permit is hereby modified.

This modification approval will be utilized for future compliance of the project. If you have questions, please contact Brad Shaver of the Wilmington Regulatory Field Office, at telephone (910) 251-4611.

Sincerely,

A handwritten signature in black ink, appearing to read "S. A. Baker".

FM Steven A. Baker
Colonel, U. S. Army
District Commander

Copies Furnished (electronic):

Mr. Mason Herndon, NCDWQ
Mr. Stoney Mathis, NCDOT
Mr. Chris Rivenbark, NCDOT
Mr. Chris Manley, NCDOT



North Carolina Department of Environment and Natural Resources

Division of Water Quality
Charles Wakild, P. E.
Director

Pat McCrory
Governor

John E. Skvarla, III
Secretary

March 18, 2013

Dr. Greg Thorpe, PhD., Manager
Project Development and Environmental Analysis
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina, 27699-1598

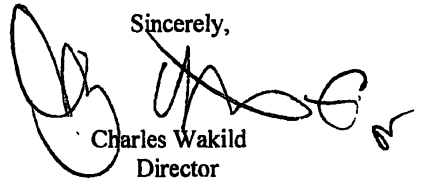
Subject: Modification to the 401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water with ADDITIONAL CONDITIONS for Proposed improvements to NC 24 from 2.8 miles east of I-95 in Cumberland County to I-40 in Sampson County, Federal Aid Project No. STPNHF-F-8-2(17), WBS No. 34416.1.1, TIP R-2303A

NCDWQ Project No. 20120240 v.4

Dear Dr. Thorpe:

Attached hereto is a modification of Certification No. 3942 issued to The North Carolina Department of Transportation (NCDOT) dated September 24, 2012 and modification issued February 25, 2013.

If we can be of further assistance, do not hesitate to contact us.

Sincerely,

Charles Wakild
Director

Attachments

cc: Brad Shaver, US Army Corps of Engineers, Wilmington Field Office (electronic copy only)
Greg Burns, PE, Division 6 Engineer
Jim Rerko, Division 6 Environmental Officer
Chris Militscher, Environmental Protection Agency (electronic copy only)
Gary Jordan, US Fish and Wildlife Service (electronic copy only)
Travis Wilson, NC Wildlife Resources Commission
Jason Elliott, NCDOT, Roadside Environmental Unit
Jim Stanfill, Ecosystem Enhancement Program
Sonia Carrillo, NCDWQ Central Office
File Copy

Transportation and Permitting Unit
1650 Mail Service Center, Raleigh, North Carolina 27699-1617
Location: 512 N. Salisbury St. Raleigh, North Carolina 27604
Phone: 919-807-6300 \ FAX: 919-807-6488
Internet: www.ncwaterquality.org

An Equal Opportunity \ Affirmative Action Employer

One
North Carolina
Naturally

**Modification to the 401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act
with ADDITIONAL CONDITIONS**

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (NCDWQ) Regulations in 15 NCAC 2H .0500. This certification authorizes the NCDOT to impact an additional 0.19 acres of jurisdictional wetlands in Cumberland County. The project shall be constructed pursuant to the modification dated received March 13, 2013 and revisions received on March 18, 2013. The authorized impacts are as described below:

Wetland Impacts in the Cape Fear River Basin

Site	Station	Wetland Type*	Fill (ac)	Fill (temporary) (ac)	Excavation (ac)	Mechanized Clearing (ac)	Hand Clearing (ac)	Total Wetland Impact (ac)
R-2303A Utilities								
U-21	168+00-L-RT	NR	0	0	0	0	0.11	0.11
U-34	322+00-L-LT	R	0	0	0	0	0.01	0.01
U-35	322+50-L-RT	R	0	0	0	0	0.05	0.05
U-36	348+75-L-RT	NR	0	0	0	0	0.02	0.02
Total			0	0	0	0	0.19	0.19

The application provides adequate assurance that the discharge of fill material into the waters of the Cape Fear River Basin in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your modified application dated received March 13, 2013 and revisions received on March 18, 2013. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated September 24, 2012 and modification issued February 25, 2013 still apply except where superceded by this certification. Should your project change, you are required to notify NCDWQ and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If any additional wetland impacts, or stream impacts, for this project (now or in the future) exceed one acre or 150 linear feet, respectively, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations. This Certification shall expire on the same day as the expiration date of the corresponding Corps of Engineers Permit.

Condition(s) of Certification:

1. This modification is applicable only to the additional proposed utility relocation activities. All of the authorized activities and conditions of certification associated with the original Water Quality Certification dated September, 24, 2012 and subsequent modification dated February 15, 2013 still apply except where superceded by this certification.

Violations of any condition herein set forth may result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or Coastal Area Management Act Permit. This Certification shall expire upon the expiration of the 404 or CAMA permit.

If you wish to contest any statement in the attached Certification you must file a petition for an administrative hearing. You may obtain the petition form from the office of Administrative hearings. You must file the petition with the office of Administrative Hearings within sixty (60) days of receipt of this notice. A petition is considered filed when it is received in the office of Administrative Hearings during normal office hours. The Office of

Addendum No. 1

R-160

NEW 5-1-13

Administrative Hearings accepts filings Monday through Friday between the hours of 8:00am and 5:00pm, except for official state holidays. The original and one (1) copy of the petition must be filed with the Office of Administrative Hearings.

The petition may be faxed-provided the original and one copy of the document is received by the Office of Administrative Hearings within five (5) business days following the faxed transmission. The mailing address for the Office of Administrative Hearings is:

Office of Administrative Hearings
6714 Mail Service Center
Raleigh, NC 27699-6714
Telephone: (919)-431-3000, Facsimile: (919)-431-3100

A copy of the petition must also be served on DENR as follows:

Mr. Lacy Presnell, General Counsel
Department of Environment and Natural Resources
1601 Mail Service Center

This the 18th day of March 2013

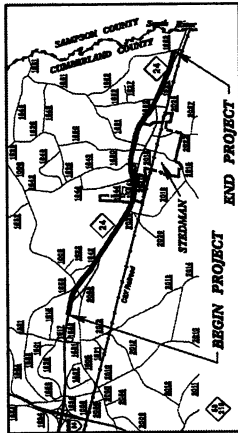
DIVISION OF WATER QUALITY



Charles Wakild
Director

WQC No. 3942

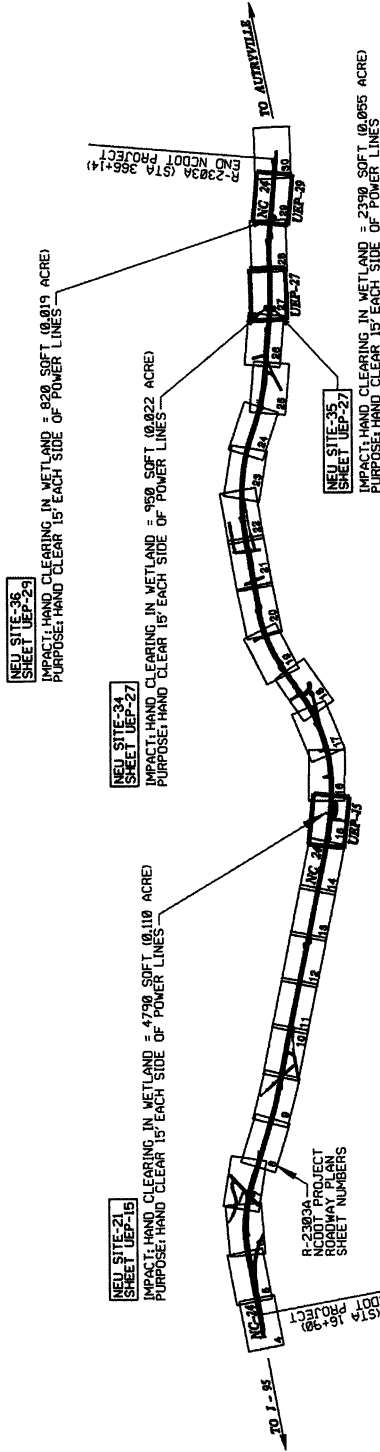
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 UTILITY ENVIRONMENTAL PERMIT PLAN
 CUMBERLAND COUNTY



TEL. NO.	R-2303A
SHEET NO.	UEP-1

Utility Permit Drawing
 Sheet 1 of 5

UTILITY ENVIRONMENTAL PERMIT
 MARCH 12, 2013



NEU PERMIT DRAWING GENERAL NOTES:

- (1) HAND CLEARING IN WETLANDS IMPACT IS DELINEATED FOR INSTALLATION OF AERIAL POWER LINES WITH BOUNDARY SET AT 15' EACH SIDE OF POWER LINE
- (2) ALL UNDERGROUND WATER, SEWERS, TELEPHONE, FIBER OPTICS, AND CABLE LINES TO BE IDENTIFIED BY FIELD SURVEY. IF ANY UNDERGROUND UTILITIES ARE IDENTIFIED, IMPACTS TO WETLANDS WILL RESULT FROM INSTALLATION OF ANY UNDERGROUND UTILITIES

DESIGNED BY THE OFFICE OF
 DIVISION OF HIGHWAYS
 UTILITIES UNIT
 UTILITIES ENGINEERING
 100 MAIN STREET, SUITE 200
 RALEIGH, NC 27601
 FAX (919) 341-4149

FOR WETLANDS, P.E. UTILITIES SECTION MANAGER
 FOR WETLANDS, P.E. UTILITIES SIGNAL LEADER PROJECT MANAGER
 FOR WETLANDS, P.E. UTILITIES PROJECT MANAGER

PLAN SHEET NUMBERING NOTE:
 UTILITY ENVIRONMENTAL PERMIT PLAN SHEET NUMBERS
 MATCH ROADWAY CONSTRUCTION PLAN SHEET NUMBERS
 (I.E. UTILITY SHEET "UEP-10" = ROADWAY SHEET "10")

SHEET NO.	DESCRIPTION
UEP-1	TITLE SHEET
UEP-2	UEP-21
UEP-3	UEP-22
UEP-4	UEP-23
UEP-5	UEP-24
UEP-6	UEP-25
UEP-7	UEP-26
UEP-8	UEP-27
UEP-9	UEP-28
UEP-10	UEP-29
UEP-11	UEP-30
UEP-12	UEP-31
UEP-13	UEP-32
UEP-14	UEP-33
UEP-15	UEP-34
UEP-16	UEP-35
UEP-17	UEP-36
UEP-18	UEP-37
UEP-19	UEP-38
UEP-20	UEP-39
UEP-21	UEP-40
UEP-22	UEP-41
UEP-23	UEP-42
UEP-24	UEP-43
UEP-25	UEP-44
UEP-26	UEP-45
UEP-27	UEP-46
UEP-28	UEP-47
UEP-29	UEP-48
UEP-30	UEP-49
UEP-31	UEP-50
UEP-32	UEP-51
UEP-33	UEP-52
UEP-34	UEP-53
UEP-35	UEP-54
UEP-36	UEP-55
UEP-37	UEP-56
UEP-38	UEP-57
UEP-39	UEP-58
UEP-40	UEP-59
UEP-41	UEP-60
UEP-42	UEP-61
UEP-43	UEP-62
UEP-44	UEP-63
UEP-45	UEP-64
UEP-46	UEP-65
UEP-47	UEP-66
UEP-48	UEP-67
UEP-49	UEP-68
UEP-50	UEP-69
UEP-51	UEP-70
UEP-52	UEP-71
UEP-53	UEP-72
UEP-54	UEP-73
UEP-55	UEP-74
UEP-56	UEP-75
UEP-57	UEP-76
UEP-58	UEP-77
UEP-59	UEP-78
UEP-60	UEP-79
UEP-61	UEP-80
UEP-62	UEP-81
UEP-63	UEP-82
UEP-64	UEP-83
UEP-65	UEP-84
UEP-66	UEP-85
UEP-67	UEP-86
UEP-68	UEP-87
UEP-69	UEP-88
UEP-70	UEP-89
UEP-71	UEP-90
UEP-72	UEP-91
UEP-73	UEP-92
UEP-74	UEP-93
UEP-75	UEP-94
UEP-76	UEP-95
UEP-77	UEP-96
UEP-78	UEP-97
UEP-79	UEP-98
UEP-80	UEP-99
UEP-81	UEP-100

TIP PROJECT: R-2303A

03/08/2013

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PROJECT REFERENCE NO.	R-2303A	SHEET NO.	U-EPT-15
DESIGNED BY	REB	CHECKED BY	REB
APPROVED BY	REB	DATE	
REVIEWED FOR THE DEPARTMENT OF TRANSPORTATION UTILITIES CONSTRUCTION UNIT NO. 1117-1118-1119-1120 UNIT NO. 1121-1122-1123-1124			

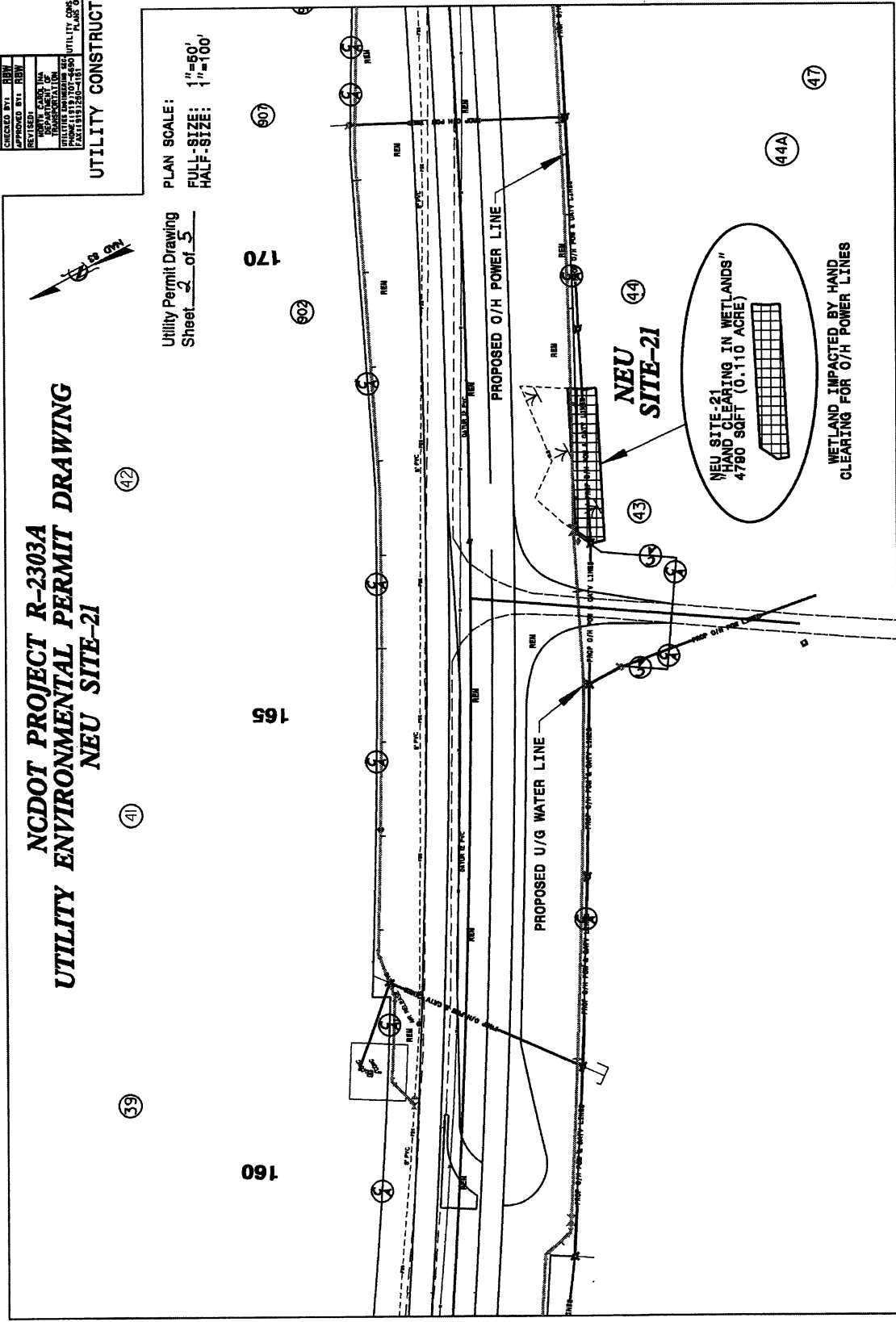
UTILITY CONSTRUCTION

NCDOT PROJECT R-2303A
UTILITY ENVIRONMENTAL PERMIT DRAWING
NEU SITE-21



Utility Permit Drawing
 Sheet 2 of 5

PLAN SCALE:
 FULL-SIZE: 1"=50'
 HALF-SIZE: 1"=100'



PROJECT REFERENCE NO.	R-2303A	SHEET NO.	UEP-27
DESIGNED BY	ENH	CHECKED BY	ENH
APPROVED BY	RHB	REVIEWED BY	RHB
REVISIONS: 1. AS SHOWN ON THE DRAWING, THE UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE N.C. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2009 EDITION, SECTION 1111.02, 1111.03, 1111.04, 1111.05, 1111.06, 1111.07, 1111.08, 1111.09, 1111.10, 1111.11, 1111.12, 1111.13, 1111.14, 1111.15, 1111.16, 1111.17, 1111.18, 1111.19, 1111.20, 1111.21, 1111.22, 1111.23, 1111.24, 1111.25, 1111.26, 1111.27, 1111.28, 1111.29, 1111.30, 1111.31, 1111.32, 1111.33, 1111.34, 1111.35, 1111.36, 1111.37, 1111.38, 1111.39, 1111.40, 1111.41, 1111.42, 1111.43, 1111.44, 1111.45, 1111.46, 1111.47, 1111.48, 1111.49, 1111.50, 1111.51, 1111.52, 1111.53, 1111.54, 1111.55, 1111.56, 1111.57, 1111.58, 1111.59, 1111.60, 1111.61, 1111.62, 1111.63, 1111.64, 1111.65, 1111.66, 1111.67, 1111.68, 1111.69, 1111.70, 1111.71, 1111.72, 1111.73, 1111.74, 1111.75, 1111.76, 1111.77, 1111.78, 1111.79, 1111.80, 1111.81, 1111.82, 1111.83, 1111.84, 1111.85, 1111.86, 1111.87, 1111.88, 1111.89, 1111.90, 1111.91, 1111.92, 1111.93, 1111.94, 1111.95, 1111.96, 1111.97, 1111.98, 1111.99, 1112.00.			

UTILITY CONSTRUCTION

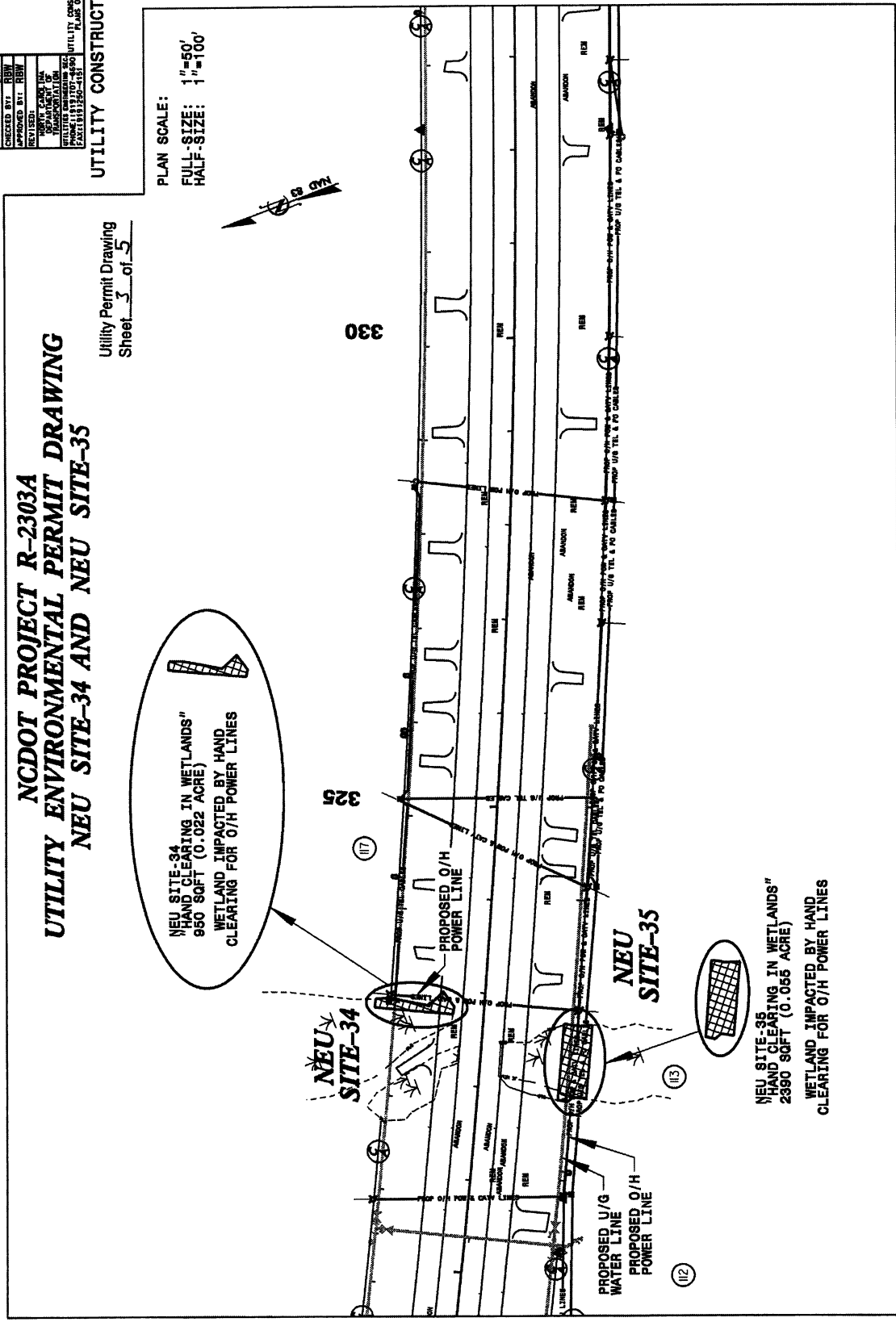
PLAN SCALE:
 FULL-SIZE: 1"=50'
 HALF-SIZE: 1"=100'

Utility Permit Drawing
 Sheet 3 of 5

**NC DOT PROJECT R-2303A
 UTILITY ENVIRONMENTAL PERMIT DRAWING
 NEU SITE-34 AND NEU SITE-35**

NEU SITE-34
 HAND CLEARING IN WETLANDS"
 860 SQFT (0.022 ACRE)
 WETLAND IMPACTED BY HAND
 CLEARING FOR O/H POWER LINES

NEU SITE-35
 HAND CLEARING IN WETLANDS"
 2390 SQFT (0.055 ACRE)
 WETLAND IMPACTED BY HAND
 CLEARING FOR O/H POWER LINES

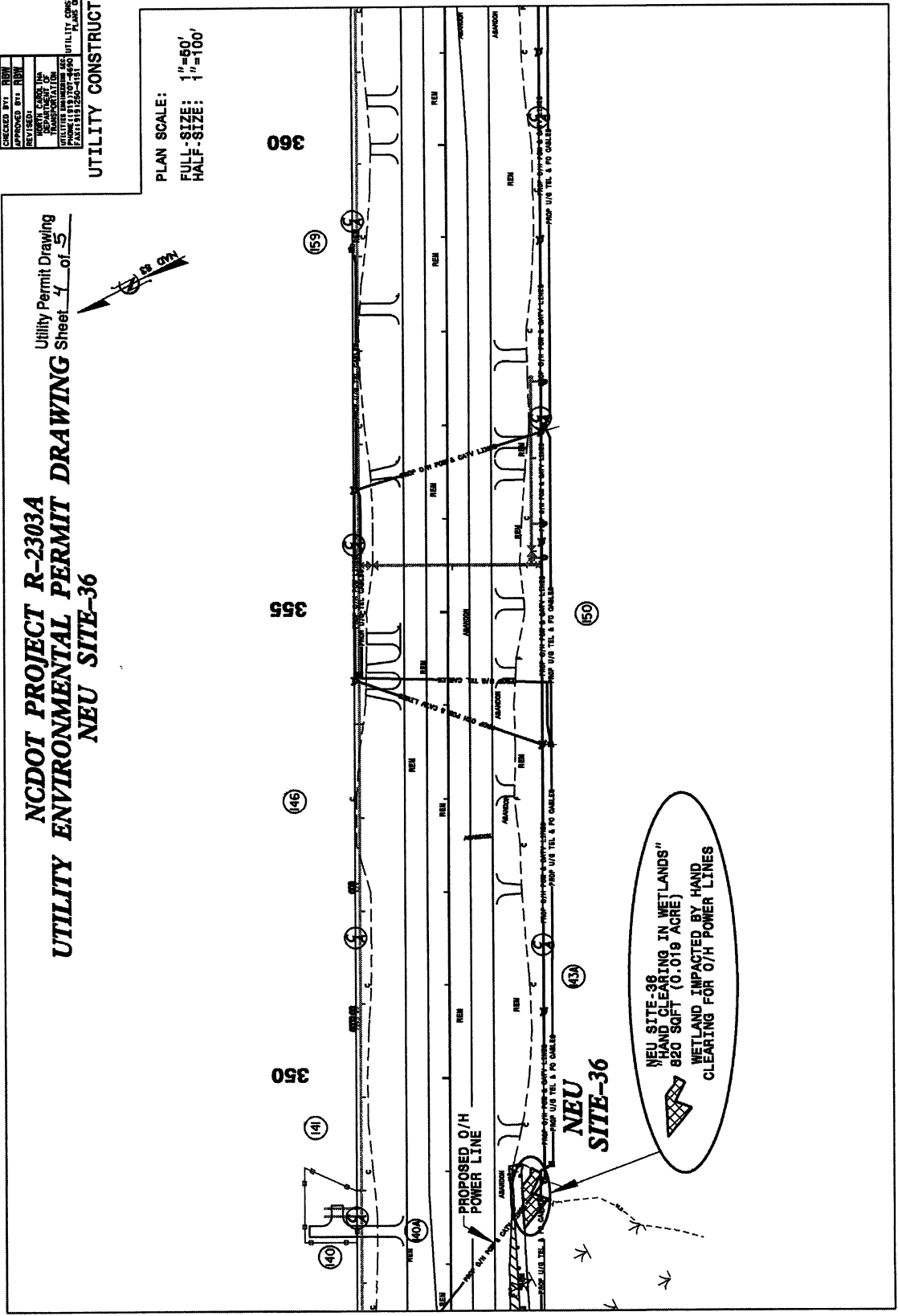


PROJECT REFERENCE NO.	R-2303A
SHEET NO.	UEP-29
DESIGNED BY	ENH
DRAWN BY	ENH
CHECKED BY	ENH
APPROVED BY	ENH
IN CHARGE	ENH
DEPARTMENT OF TRANSPORTATION	
UTILITY CONSTRUCTION	

PLAN SCALE: 1"=60'
 FULL-SIZE: 1"=100'
 HALF-SIZE: 1"=100'

NCDOT PROJECT R-2303A
UTILITY ENVIRONMENTAL PERMIT DRAWING Sheet 4 of 5
NEU SITE-36

Utility Permit Drawing
 Sheet 4 of 5



8/17/99
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WETLAND PERMIT IMPACT SUMMARY																
Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS									
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW Impacts (ac)	Temp. SW Impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)				
21	168+00 -R-	O/H POWER						0.11								
34	322+50 -L-	O/H POWER						0.02								
35	322+50 -R-	O/H POWER						0.06								
36	348+75 -R-	O/H POWER						0.02								
TOTALS:								0.21								

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 CUMBERLAND/SAMPSON COUNTY
 WBS - 34416.1.1 (R-2303A)
 SHEET 3/12/2013

Utility Permit Drawing
 Sheet 5 of 5

ATM Revised 3/31/05