



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT L. MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

June 11, 2014

Washington Regulatory Field Office
US Army Corps of Engineers
2407 West 5th St.
Washington, North Carolina 27889

ATTN: Mr. Tom Steffens
NCDOT Coordinator

Dear Sir:

Subject: **Application for a Section 10 and a Section 404 Nationwide Permit No. 23, Section 401 Water Quality Certification and Neuse River Riparian Buffer Authorization** for the proposed replacement of Bridges 42 & 43 over Neuse River and Bridges 26 and 28 over Neuse River Overflow, Lenoir County. TIP No. B-4565; Federal Aid Project No. BRSTP-70B(5); Debit \$240 from WBS No. 33773.1.1

The North Carolina Department of Transportation (NCDOT) proposes to replace Bridge Nos. 42 and 43, a pair of 426-foot, 4-span bridges with 485-foot, 4-span bridges and Bridge Nos. 26 and 28, 211-foot, a pair of 3-span bridges with 261-foot 3-span bridges on the existing alignment. These bridges will be replaced on the existing alignment while traffic will be shifted to an off-site detour. Permanent impacts to riparian wetlands include 0.19 acre of fill.

Please see enclosed copies of the Pre-Construction Notification (PCN), Crescent Road Mitigation Site debit ledger, permit drawings, stormwater management plan, utility drawings, and design plans for the above referenced project. The Programmatic Categorical Exclusion (PCE) was completed in October 2013 and distributed shortly thereafter.

This project calls for a letting date of January 20, 2014 and a review date of December 2, 2014. The project schedule may be advanced if funding becomes available.

Regulatory Approvals

Section 404 Permit: All aspects of this project are being processed by the Federal Highway Administration as a "Categorical Exclusion" in accordance with 23 CFR 771.115(b). The NCDOT requests that the project be authorized by NW 23 for bridge construction.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1548 MAIL SERVICE CENTER
RALEIGH NC 27699-1548

TELEPHONE: 919-707-6000
FAX: 919-250-4224

WEBSITE: WWW.NCDOT.GOV/DOH/PRECONSTRUCT/PE/

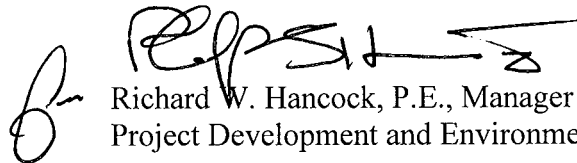
LOCATION:
CENTURY CENTER, BUILDING A
1000 BIRCH RIDGE DRIVE
RALEIGH NC 27610

Section 401 Permit: We anticipate 401 General Certification number 3891 will apply to this project. NCDOT is requesting written concurrence from the North Carolina Department of Environmental and Natural Resources, Division of Water Resources.

Neuse River Buffer Authorization: NCDOT requests that the NC Division of Water Resources review this application and issue a written approval for a Neuse River Riparian Buffer Authorization.

A copy of this permit application will be posted on the NCDOT Website at <https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx>, under *Quick Links > Permit Applications*. A copy of the PCE is also available at the above website address under *Quick Links > Environmental Documents*. Thank you for your assistance with this project. If you have any questions or need additional information, please contact John Merritt at jsmerritt@ncdot.gov or (919) 707-6140.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Hancock', is written over a printed name and title.

Richard W. Hancock, P.E., Manager
Project Development and Environmental Analysis Unit

cc: NCDOT Permit Application Standard Distribution List



Office Use Only:
 Corps action ID no. _____
 DWQ project no. _____
 Form Version 1.3 Dec 10 2008

Pre-Construction Notification (PCN) Form

A. Applicant Information

1. Processing

1a. Type(s) of approval sought from the Corps:	<input checked="" type="checkbox"/> Section 404 Permit	<input checked="" type="checkbox"/> Section 10 Permit
1b. Specify Nationwide Permit (NWP) number: 23 or General Permit (GP) number:		
1c. Has the NWP or GP number been verified by the Corps?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1d. Type(s) of approval sought from the DWQ (check all that apply):		
<input checked="" type="checkbox"/> 401 Water Quality Certification – Regular <input type="checkbox"/> Non-404 Jurisdictional General Permit <input type="checkbox"/> 401 Water Quality Certification – Express <input checked="" type="checkbox"/> Riparian Buffer Authorization		
1e. Is this notification solely for the record because written approval is not required?	For the record only for DWQ 401 Certification: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	For the record only for Corps Permit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1f. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts? If so, attach the acceptance letter from mitigation bank or in-lieu fee program.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
1g. Is the project located in any of NC's twenty coastal counties. If yes, answer 1h below.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
1h. Is the project located within a NC DCM Area of Environmental Concern (AEC)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

2. Project Information

2a. Name of project:	Replacement of Bridges 42, 43, 26 and 28 over the Neuse River and Overflow US 70/258 Business
2b. County:	Lenoir
2c. Nearest municipality / town:	Kinston
2d. Subdivision name:	<i>not applicable</i>
2e. NCDOT only, T.I.P. or state project no.:	B-4565

3. Owner Information

3a. Name(s) on Recorded Deed:	North Carolina Department of Transportation
3b. Deed Book and Page No.	<i>not applicable</i>
3c. Responsible Party (for LLC if applicable):	<i>not applicable</i>
3d. Street address:	1598 Mail Service Center
3e. City, state, zip:	Raleigh, NC 27699-1598
3f. Telephone no.:	(919) 707-6140
3g. Fax no.:	(919) 250-4224
3h. Email address:	jsmeritt@ncdot.gov

4. Applicant Information (if different from owner)	
4a. Applicant is:	<input type="checkbox"/> Agent <input type="checkbox"/> Other, specify:
4b. Name:	<i>not applicable</i>
4c. Business name (if applicable):	
4d. Street address:	
4e. City, state, zip:	
4f. Telephone no.:	
4g. Fax no.:	
4h. Email address:	
5. Agent/Consultant Information (if applicable)	
5a. Name:	<i>not applicable</i>
5b. Business name (if applicable):	
5c. Street address:	
5d. City, state, zip:	
5e. Telephone no.:	
5f. Fax no.:	
5g. Email address:	

B. Project Information and Prior Project History	
1. Property Identification	
1a. Property identification no. (tax PIN or parcel ID):	<i>not applicable</i>
1b. Site coordinates (in decimal degrees):	Latitude: 35.246519 (DD.DDDDDD) Longitude: - 77.582978 (-DD.DDDDDD)
1c. Property size:	20 acres
2. Surface Waters	
2a. Name of nearest body of water (stream, river, etc.) to proposed project:	Neuse River
2b. Water Quality Classification of nearest receiving water:	C;NSW
2c. River basin:	Neuse
3. Project Description	
3a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: Existing conditions at the site include maintained/disturbed roadside shoulder and forested areas. Land use in the project vicinity is predominantly commercial.	
3b. List the total estimated acreage of all existing wetlands on the property: 4.77	
3c. List the total estimated linear feet of all existing streams (intermittent and perennial) on the property: 200	
3d. Explain the purpose of the proposed project: To replace bridges 42, 43, 26 and 28	
3e. Describe the overall project in detail, including the type of equipment to be used: The project involves replacing bridges 42, 43, 26, and 28 on the existing alignment. Traffic will follow an offsite detour during construction. Standard road building equipment, such as trucks, dozers, and cranes will be used.	
4. Jurisdictional Determinations	
4a. Have jurisdictional wetland or stream determinations by the Corps or State been requested or obtained for this property / project (including all prior phases) in the past? Comments:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
4b. If the Corps made the jurisdictional determination, what type of determination was made?	<input type="checkbox"/> Preliminary <input checked="" type="checkbox"/> Final
4c. If yes, who delineated the jurisdictional areas? Name (if known): Chris Underwood	Agency/Consultant Company: NCDOT Other:
4d. If yes, list the dates of the Corps jurisdictional determinations or State determinations and attach documentation. May 8, 2006	
5. Project History	
5a. Have permits or certifications been requested or obtained for this project (including all prior phases) in the past?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
5b. If yes, explain in detail according to "help file" instructions.	
6. Future Project Plans	
6a. Is this a phased project?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6b. If yes, explain.	

C. Proposed Impacts Inventory						
1. Impacts Summary						
1a. Which sections were completed below for your project (check all that apply):						
<input checked="" type="checkbox"/> Wetlands		<input checked="" type="checkbox"/> Streams - tributaries		<input checked="" type="checkbox"/> Buffers		
<input type="checkbox"/> Open Waters		<input type="checkbox"/> Pond Construction				
2. Wetland Impacts						
If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.						
2a. Wetland impact number – Permanent (P) or Temporary (T)	2b. Type of impact	2c. Type of wetland (if known)	2d. Forested	2e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	2f. Area of impact (acres)	
Site 1 <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Excavation/mechanized clearing	Riverine	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ	0.02	
Site 2 <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Fill/mechanized clearing	Riverine	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ	0.12	
Site 2 <input type="checkbox"/> P <input checked="" type="checkbox"/> T	Temp. fill	Riverine	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ	0.02	
Site 3 <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Fill/mechanized clearing	Riverine	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ	0.04	
Site 4* <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Power Pole	Riverine	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ	<0.01	
Site 6* <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Power Pole	Riverine	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ	<0.01	
2g. Total wetland impacts					0.19 Permanent 0.02 Temporary	
2h. Comments: - *Utility impacts; Impacts due to overflow bent pile <0.01 acre. There will also be 1.52 acres of hand clearing due to utility relocations.						
3. Stream Impacts						
If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted.						
3a. Stream impact number - Permanent (P) or Temporary (T)	3b. Type of impact	3c. Stream name	3d. Perennial (PER) or intermittent (INT)?	3e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	3f. Average stream width (feet)	3g. Impact length (linear feet)
Site 1 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
Site 2 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
Site 3 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
Site 4 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
3h. Total stream and tributary impacts						0 Perm 0 Temp
3i. Comments: Impact due to interior bent pile is < 0.01 acre						

4. Open Water Impacts

If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.

4a. Open water impact number – Permanent (P) or Temporary (T)	4b. Name of waterbody (if applicable)	4c. Type of impact	4d. Waterbody type	4e. Area of impact (acres)
O1 <input type="checkbox"/> P <input type="checkbox"/> T				
O1 <input type="checkbox"/> P <input type="checkbox"/> T				
O2 <input type="checkbox"/> P <input type="checkbox"/> T				
O3 <input type="checkbox"/> P <input type="checkbox"/> T				
4f. Total open water impacts				X Permanent X Temporary

4g. Comments:

5. Pond or Lake Construction

If pond or lake construction proposed, then complete the chart below.

5a. Pond ID number	5b. Proposed use or purpose of pond	5c. Wetland Impacts (acres)			5d. Stream Impacts (feet)			5e. Upland (acres)
		Flooded	Filled	Excavated	Flooded	Filled	Excavated	Flooded
P1								
P2								
5f. Total								

5g. Comments:

5h. Is a dam high hazard permit required?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, permit ID no:
5i. Expected pond surface area (acres):	
5j. Size of pond watershed (acres):	
5k. Method of construction:	

6. Buffer Impacts (for DWQ)

If project will impact a protected riparian buffer, then complete the chart below. If yes, then individually list all buffer impacts below. If any impacts require mitigation, then you **MUST** fill out Section D of this form.

6a. Project is in which protected basin?		<input checked="" type="checkbox"/> Neuse <input type="checkbox"/> Catawba		<input type="checkbox"/> Tar-Pamlico <input type="checkbox"/> Randleman	<input type="checkbox"/> Other:
6b. Buffer impact number – Permanent (P) or Temporary (T)	6c. Reason for impact	6d. Stream name	6e. Buffer mitigation required?	6f. Zone 1 impact (square feet)	6g. Zone 2 impact (square feet)
B1* <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Phone line	Neuse	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5,928	
B2* <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Phone line	Neuse	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3,783
B1 <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Roadway	Neuse	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10	624
B1 <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Bridge	Neuse	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4,359	1,459
B2 <input checked="" type="checkbox"/> P <input type="checkbox"/> T	Bridge	Neuse	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3,365	969
6h. Total buffer impacts				13,662	6,835
6i. Comments: *Utility impacts					

D. Impact Justification and Mitigation		
1. Avoidance and Minimization		
1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing project. The proposed bridges No. 42 & 43 are 59 feet longer and bridges No. 26 & 28 are 50 feet longer than the existing bridges. The existing causeway is utilized to minimize jurisdictional impacts. A moratorium on in-water construction will be in place from February 15 to June 15 of any given year for anadromous fish.		
1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques. Construction will be top-down. Best Management Practices for the Protection of Surface Waters, as well as, Best Management Practices for Construction and Maintenance Activities will be implemented.		
2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State		
2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, explain:	
2b. If yes, mitigation is required by (check all that apply):	<input type="checkbox"/> DWQ <input checked="" type="checkbox"/> Corps	
2c. If yes, which mitigation option will be used for this project?	<input type="checkbox"/> Mitigation bank <input type="checkbox"/> Payment to in-lieu fee program <input checked="" type="checkbox"/> Permittee Responsible Mitigation	
3. Complete if Using a Mitigation Bank		
3a. Name of Mitigation Bank:		
3b. Credits Purchased (attach receipt and letter)	Type	Quantity
3c. Comments:		
4. Complete if Making a Payment to In-lieu Fee Program		
4a. Approval letter from in-lieu fee program is attached.	<input type="checkbox"/> Yes	
4b. Stream mitigation requested:	linear feet	
4c. If using stream mitigation, stream temperature:	<input type="checkbox"/> warm <input type="checkbox"/> cool <input type="checkbox"/> cold	
4d. Buffer mitigation requested (DWQ only):	square feet	
4e. Riparian wetland mitigation requested:	0.36 acres	
4f. Non-riparian wetland mitigation requested:	acres	
4g. Coastal (tidal) wetland mitigation requested:	acres	
4h. Comments: The Crescent Road Mitigation Site will be debited.		
5. Complete if Using a Permittee Responsible Mitigation Plan		
5a. If using a permittee responsible mitigation plan, provide a description of the proposed mitigation plan. See attached Crescent Road Mitigation Site debit ledger		

6. Buffer Mitigation (State Regulated Riparian Buffer Rules) – required by DWQ

6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation?

Yes No

6b. If yes, then identify the square feet of impact to each zone of the riparian buffer that requires mitigation. Calculate the amount of mitigation required.


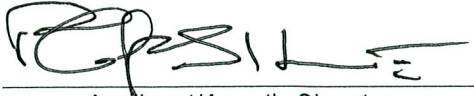
Zone	6c. Reason for impact	6d. Total impact (square feet)	Multiplier	6e. Required mitigation (square feet)
Zone 1			3 (2 for Catawba)	
Zone 2			1.5	
6f. Total buffer mitigation required:				

6g. If buffer mitigation is required, discuss what type of mitigation is proposed (e.g., payment to private mitigation bank, permittee responsible riparian buffer restoration, payment into an approved in-lieu fee fund).

6h. Comments:

E. Stormwater Management and Diffuse Flow Plan (required by DWQ)	
1. Diffuse Flow Plan	
1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b. If yes, then is a diffuse flow plan included? If not, explain why. Comments:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Stormwater Management Plan	
2a. What is the overall percent imperviousness of this project?	N/A
2b. Does this project require a Stormwater Management Plan?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2c. If this project DOES NOT require a Stormwater Management Plan, explain why:	
2d. If this project DOES require a Stormwater Management Plan, then provide a brief, narrative description of the plan: See attached permit drawings and stormwater management plan.	
2e. Who will be responsible for the review of the Stormwater Management Plan?	<input type="checkbox"/> Certified Local Government <input type="checkbox"/> DWQ Stormwater Program <input checked="" type="checkbox"/> DWQ 401 Unit
3. Certified Local Government Stormwater Review	
3a. In which local government's jurisdiction is this project?	not applicable
3b. Which of the following locally-implemented stormwater management programs apply (check all that apply):	<input type="checkbox"/> Phase II <input type="checkbox"/> NSW <input type="checkbox"/> USMP <input type="checkbox"/> Water Supply Watershed <input type="checkbox"/> Other:
3c. Has the approved Stormwater Management Plan with proof of approval been attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. DWQ Stormwater Program Review	
4a. Which of the following state-implemented stormwater management programs apply (check all that apply):	<input type="checkbox"/> Coastal counties <input type="checkbox"/> HQW <input type="checkbox"/> ORW <input type="checkbox"/> Session Law 2006-246 <input type="checkbox"/> Other:
4b. Has the approved Stormwater Management Plan with proof of approval been attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A
5. DWQ 401 Unit Stormwater Review	
5a. Does the Stormwater Management Plan meet the appropriate requirements?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No N/A
5b. Have all of the 401 Unit submittal requirements been met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No N/A

F. Supplementary Information	
1. Environmental Documentation (DWQ Requirement)	
1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) Comments:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Violations (DWQ Requirement)	
2a. Is the site in violation of DWQ Wetland Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), DWQ Surface Water or Wetland Standards, or Riparian Buffer Rules (15A NCAC 2B .0200)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2b. Is this an after-the-fact permit application?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2c. If you answered "yes" to one or both of the above questions, provide an explanation of the violation(s):	
3. Cumulative Impacts (DWQ Requirement)	
3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3b. If you answered "yes" to the above, submit a qualitative or quantitative cumulative impact analysis in accordance with the most recent DWQ policy. If you answered "no," provide a short narrative description. Due to the minimal transportation impact resulting from this bridge replacement, this project will neither influence nearby land uses nor stimulate growth. Therefore, a detailed indirect or cumulative effects study will not be necessary.	
4. Sewage Disposal (DWQ Requirement)	
4a. Clearly detail the ultimate treatment methods and disposition (non-discharge or discharge) of wastewater generated from the proposed project, or available capacity of the subject facility. not applicable	

5. Endangered Species and Designated Critical Habitat (Corps Requirement)		
5a. Will this project occur in or near an area with federally protected species or habitat?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5b. Have you checked with the USFWS concerning Endangered Species Act impacts?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5c. If yes, indicate the USFWS Field Office you have contacted.	<input type="checkbox"/> Raleigh <input type="checkbox"/> Asheville	
5d. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? NCNHP, USFWS website, field surveys		
6. Essential Fish Habitat (Corps Requirement)		
6a. Will this project occur in or near an area designated as essential fish habitat?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
6b. What data sources did you use to determine whether your site would impact Essential Fish Habitat? NMFS County Index		
7. Historic or Prehistoric Cultural Resources (Corps Requirement)		
7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
7b. What data sources did you use to determine whether your site would impact historic or archeological resources? NEPA Documentation		
8. Flood Zone Designation (Corps Requirement)		
8a. Will this project occur in a FEMA-designated 100-year floodplain?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
8b. If yes, explain how project meets FEMA requirements: NCDOT Hydraulics Unit coordination with FEMA		
8c. What source(s) did you use to make the floodplain determination? FEMA Maps		
 Richard W. Hancock, P.E. Applicant/Agent's Printed Name	 Applicant/Agent's Signature (Agent's signature is valid only if an authorization letter from the applicant is provided.)	06/11/14 Date

Compensatory Mitigation

The Crescent Road Mitigation Site is located in Lenoir County approximately 2 miles northwest of Kinston. The site is situated immediately south and adjacent to C.F. Harvey Road (Crescent Road). The site was originally constructed as an on-site mitigation project to provide mitigation for stream impacts associated with (T.I.P. R-2719) Crescent Road. The site has completed its monitoring period and has met all prescribed hydrologic and vegetative success criteria.

To offset the 0.19 acres of unavoidable stream impacts associated with TIP B-4565, the Crescent Road Mitigation Site will be debited .19 acres of riparian wetland restoration. This debit is reflected in the following table.

Site name	Site TIP	HUC	River Basin	Division	County
Crescent Road	R-2719WM	3020202	Neuse	2	Lenoir

HUC	Mitigation Type	Starting Amount	Notes
3020202	Stream Restoration (Feet)	2009	
3020202	Riparian Wetland Restoration Acres)	3.35	
3020202	Buffer Restoration (Square Feet)	200376	

Mitigation Type	Debit Amount (Ft)	Site Tip	Notes
Stream Restoration	1706	R-2719	
Stream Restoration	134.7	Bridge 59 Craven County	

Mitigation Type	Debit Amount (Ac)	Site Tip	Notes
Riparian Wetland Restoration	2.02	R-2719A	
Riparian Wetland Restoration	0.07	Div 2 Proj SR 1547 2C.054057	
Riparian Wetland Restoration	0.15	Div 2 Proj SR 1340 2c.054015	
Riparian Wetland Restoration	0.19	B-4565	

B-4565 NEU ENVIRONMENTAL PERMIT NARRATIVE

City of Kinston Public Services (Power) – : The power aerial distribution line on the southwest side of the project from L-Sta. 11+00 to L-Sta. 15+13 will be relocated approximately 10 ft. from the edge of the proposed travel way in order to meet the required clear zone for this project. This line crosses US 70 Bus. to the east side and will connect to an existing pole at approximately L-Sta. 17+30 on the south east side of the project. There is a proposed distribution pole at L-Sta. 17+08 on the east side of US 70 Bus. congruent with this line. This pole will be installed inside buffer zone 2. There is a proposed distribution line that will be taken down prior to construction of the work bridges and the proposed bridges and will be reinstalled after the proposed construction of the bridges is completed. It traverses along the east side of the proposed bridges from L-Sta. 17+12 to the next pole at L-Sta. 22+37. It connects to 4 proposed poles along the route before it ties back in to an existing pole at L-Sta. 33+97. There will be hand clearing for a guy wire at L-Sta. 25+20. This will cause less than 0.01 acres of wetland impacts. There will be hand clearing for this line from L-Sta. 28+17 to L-Sta. 30+56 inside the wetlands. This will produce approximately 0.13 acres of impacts. There will be a small area of hand clearing for the aerial crossing at L-Sta. 31+73 to L-Sta. 31+97. These will produce less than 0.01 acres of wetland impacts. There are proposed underground phone lines to be installed on the west side of the Neuse River bridges by bore. The proposed aerial power line and underground telephone will produce allowable impacts of 5927.5 sq. ft on Buffer Zone 1 and 3782.6 sq. ft. on Buffer Zone 2.

There is a power transmission line which will traverse from L-Sta. 30+05 on the northeast side of the project to L-Sta. 32+82 on the northwest side of the project. There are 2 poles in between both of the outer poles that are proposed for installation. Only the 2 outer poles will be installed inside the wetland. On the northeast side the transmission line and proposed pole will cause 1.04 acres of hand clearing, less than 0.01 acres of excavation in the wetland and less than 0.01 acres of fill in the wetland from L-Sta. 29+71 to L-Sta. 33+83. On the northwest side of the project the transmission pole and line will cause 0.05 acres of hand clearing at site 5 from L-Sta. 33+41 to L-Sta. 33+97. On the northwest side at site 6, there are 0.29 acres of hand clearing, less than .01 acres of excavation in the wetland and less than 0.01 acres of fill in the wetland from L-Sta. 32+21 to L-Sta. 33+36. The transmission line required a 50 ft. easement on both sides of the line. All stations are approximate in this report. Contact: Mr. Earl Botkin; City of Kinston Public Services P.O. Box 339 Kinston, N.C. 28502; Phone 252 939-3279.

City of Kinston Public Services (Water Resources): There is a 6 inch water line on the project on the project on the northwest side of the overflow bridges. It will be plugged at L-Sta. 32+66. This will not cause any impacts to the wetland. Contact: Stephen Miller P.E. City of Kinston Public Services Water Resources; P.O. Box 339 Kinston, N.C. 28504; Phone 252 939-3287.

Century Link Telephone: The existing aerial telephone poles and lines on the west side of the bridges will be removed from L-Sta. 28+94 to L-Sta. 17+65. Two of these poles are in buffer zone 1 with 1 pole to be removed on each side of the Neuse River. The removal of these poles will not impact the wetland. There were conduits that ran from a hand hole at L-Sta. 26+29 to L-Sta. 14+43 under the existing bridges. These will be replaced by 9 conduits placed by directional bore from L-Sta. 26+29 to L-Sta. 16+69. This bore will produce no impacts to the wetlands. There will be another bore from L-Sta. 16+69 to a hand hole in the median at L-Sta. 14+43. A second bore will be done for 2 conduits from L-Sta. 16+69 across the L-line over to an existing pole inside buffer zone 1 at L-Sta. 17+29. There will be a small area of impact to the buffer zone due to this directional bore. The proposed aerial power line and underground telephone will produce allowable impacts of 5927.5 sq. ft. on Buffer Zone 1 and 3782.6 sq. ft. on Buffer Zone 2. Contact: Mr. Richard McCarter, Centurylink; 1202 Cunningham Rd. Kinston, N.C. 28501; Phone 252 756-4239.



North Carolina Department of Transportation
Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
 FOR LINEAR ROADWAY PROJECTS



(Version 1.2; Released September 2011)

Project/TIP No.: B-4565 **County(ies):** Lenoir **Page** 1 **of** 2

General Project Information

Project No.:	B-4565	Project Type:	Bridge Replacement	Date:	1/24/2014
NCDOT Contact:	Paul Atkinson, PE	Contractor / Designer:	Brook Anderson, PE		
Address:		Address:			
Phone:	(919)707-6707	Phone:	(919)707-6706		
Email:	patkinson@ncdot.gov	Email:	beanderson@ncdot.gov		
City/Town:	Kinston	County(ies):	Lenoir		
River Basin(s):	Neuse	CAMA County?	No		
Primary Receiving Water:	Neuse River	NCDWQ Stream Index No.:			
NCDWQ Surface Water Classification for Primary Receiving Water	Primary:	Class C			
	Supplemental:	Nutrient Sensitive Waters (NSW)			
Other Stream Classification:					
303(d) Impairments:					
Buffer Rules in Effect	Neuse Buffer Rules apply through out the entire project				

Project Description

Project Length (lin. Miles or feet):	0.443 miles	Surrounding Land Use:			
	Proposed Project		Existing Site		
Project Built-Up Area (ac.)	ac.		ac.		
Typical Cross Section Description:	TWO 12'-14' TRAVEL LANES IN EACH DIRECTION WITH A 6' OUTSIDE SHOULDER. TOTAL PAVEMNET WIDTH IS 66.9'.		DUAL BRIDGES EACH HAVING APPROXIMATE PAVEMENT WIDTH OF 28'		
Average Daily Traffic (veh/hr/day):	Design/Future:	44000 (ADT 2035)	Existing:	21600 (ADT 2015)	

General Project Narrative: REPLACEMENT OF DUAL BRIDGES 42 AND 43 WITH ONE BRIDGE OVER THE NEUSE RIVER. THE RECOMMENDED STRUCTURE IS 1 @ 115', 2 @ 125', 1 @ 120' WITH 72" MODIFIED BULB TEE. IN ADDITION, REPLACEMENT OF DUAL OVERFLOW BRIDGES 26 AND 28 WITH ONE BRIDGE OVER THE OVERFLOW ON US 70/28 BUISNESS (SOUTH QUEEN STREET). THE RECOMMENDED OVERFLOW STRUCTURE IS 1 @ 90', 1 @ 80', 1 @ 90' WITH 54" PRESTRESSED CONCRETE GIRDER. THIS PROJECT HAS STORM DRAINAGE SYSTEMS COLLECTING BRIDGE/ROAD DISCHARGE WHICH WILL BE DISSIPATED BY RIP RAP PADS. THIS PROJECT ALSO HAS A STORM DRAINAGE SYSTEM COLLECTING BRIDGE/ROAD DISCHARGE WHICH IS TREATED IN A GRASS LINED SWALE BEFORE DISCHARGING IN THE NEUSE RIVER.

References

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR LINEAR ROADWAY PROJECTS

(Version 1.2; Released September 2011)

Project/TIP No.: B-4565

County(ies): Lenoir

Page 2 of 2

Swales

Sheet No.	Station (From / To)	Stream Crossing Station	Base Width (ft)	Front Slope (H:V)	Back Slope (H:V)	Drainage Area (ac)	Recommended Treatment Length (ft)	Actual Length (ft)	Longitudinal Slope (%)	Q2 (cfs)	V2 (fps)	Q10 (cfs)	V10 (fps)	Rock Checks Used
4	15+30		0.0	3	3	0.98	98	105	0.30%	4.5	1.4	5.6	1.5	No
	17+60													
							0							
							0							
							0							
							0							
							0							
							0							
							0							
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							0							

YES NO

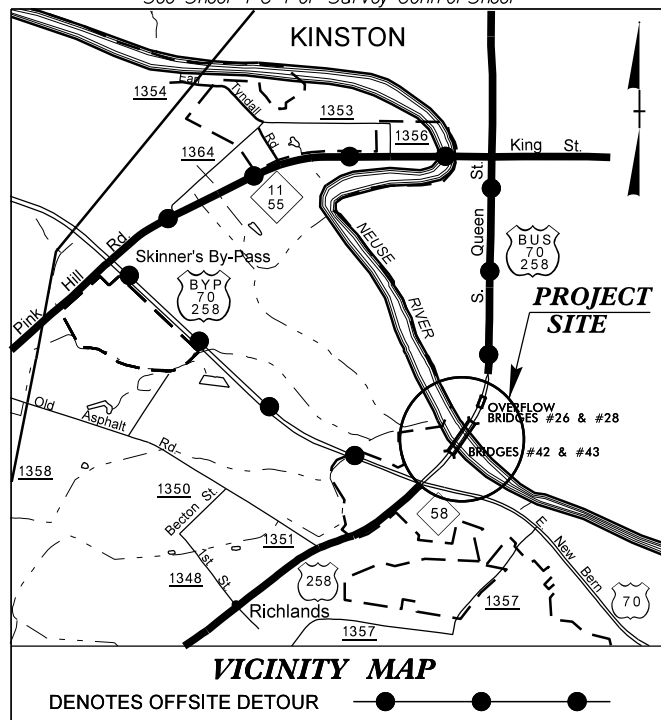
Have minimum design criteria, as presented in the NCDOT Best Management Practices Toolbox, Version 1 (March 2008), been met and verified? If No, provide further explanation of why design criteria was not met.

Additional Comments

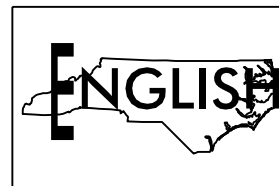
Large empty rectangular area for providing additional comments.

09/26/14

See Sheet 1-A For Index of Sheets
 See Sheet 1-B For Conventional Symbols
 See Sheet 1-C For Survey Control Sheet



STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
LENOIR COUNTY



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4565	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33773.1.1	BRSTP-70B(5)	P.E.	
33773.2.1	BRSTP-70B(5)	RW	

PERMIT DRAWING
 SHEET 1 OF 8

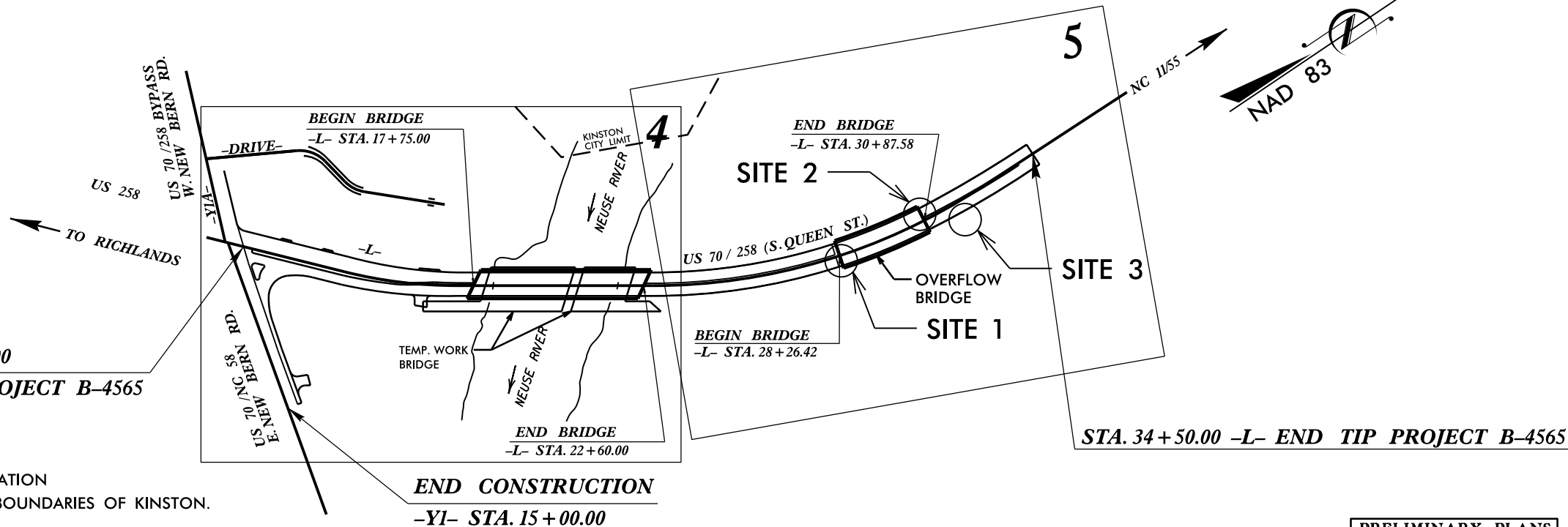
**LOCATION: BRIDGES 42, 43, 26 AND 28 OVER THE NEUSE RIVER
 AND OVERFLOW ON US 70/258 BUSINESS
 (SOUTH QUEEN STREET)**

TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES, AND SIGNALS

WETLAND AND SURFACE WATER IMPACTS PERMIT

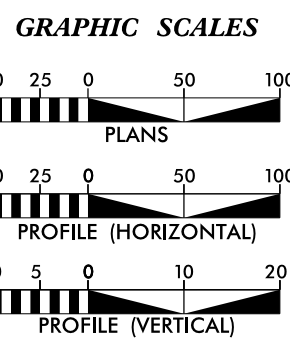


TIP PROJECT: B-4565



* DESIGN EXCEPTION REQUIRED FOR SUPERELEVATION
 NOTE: THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF KINSTON.
 NOTE: CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION



DESIGN DATA

ADT 2015 =	21,600
ADT 2035 =	44,000
K =	9 %
D =	65 %
T =	7 % *
V =	40 MPH
* TTST 4% DUAL 3%	
FUNC CLASS =	URBAN ARTERIAL

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT B-4565 =	0.302 MILES
LENGTH OF STRUCTURES TIP PROJECT B-4565 =	0.141 MILES
TOTAL LENGTH OF TIP PROJECT B-4565 =	0.443 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
 1000 Birch Ridge Dr., Raleigh NC, 27610

2012 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: APRIL 18, 2014	GARY LOVERING, PE PROJECT ENGINEER
LETTING DATE: JANUARY 20, 2015	CHRISTOPHER H. LEE PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

STATE HIGHWAY DESIGN ENGINEER

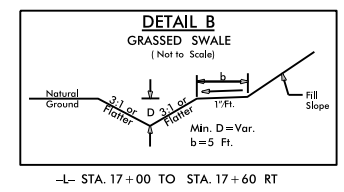
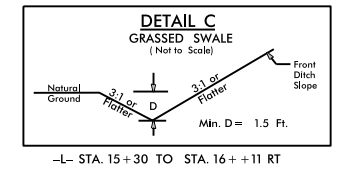
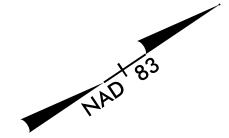
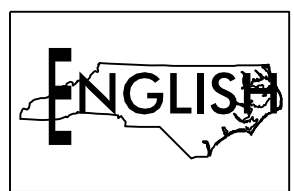
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 \$\$\$USERNAME\$\$\$\$\$

CONTRACT:

PROJECT REFERENCE NO.	SHEET NO.
B-4565	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING
SHEET 2 OF 8

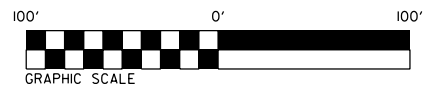
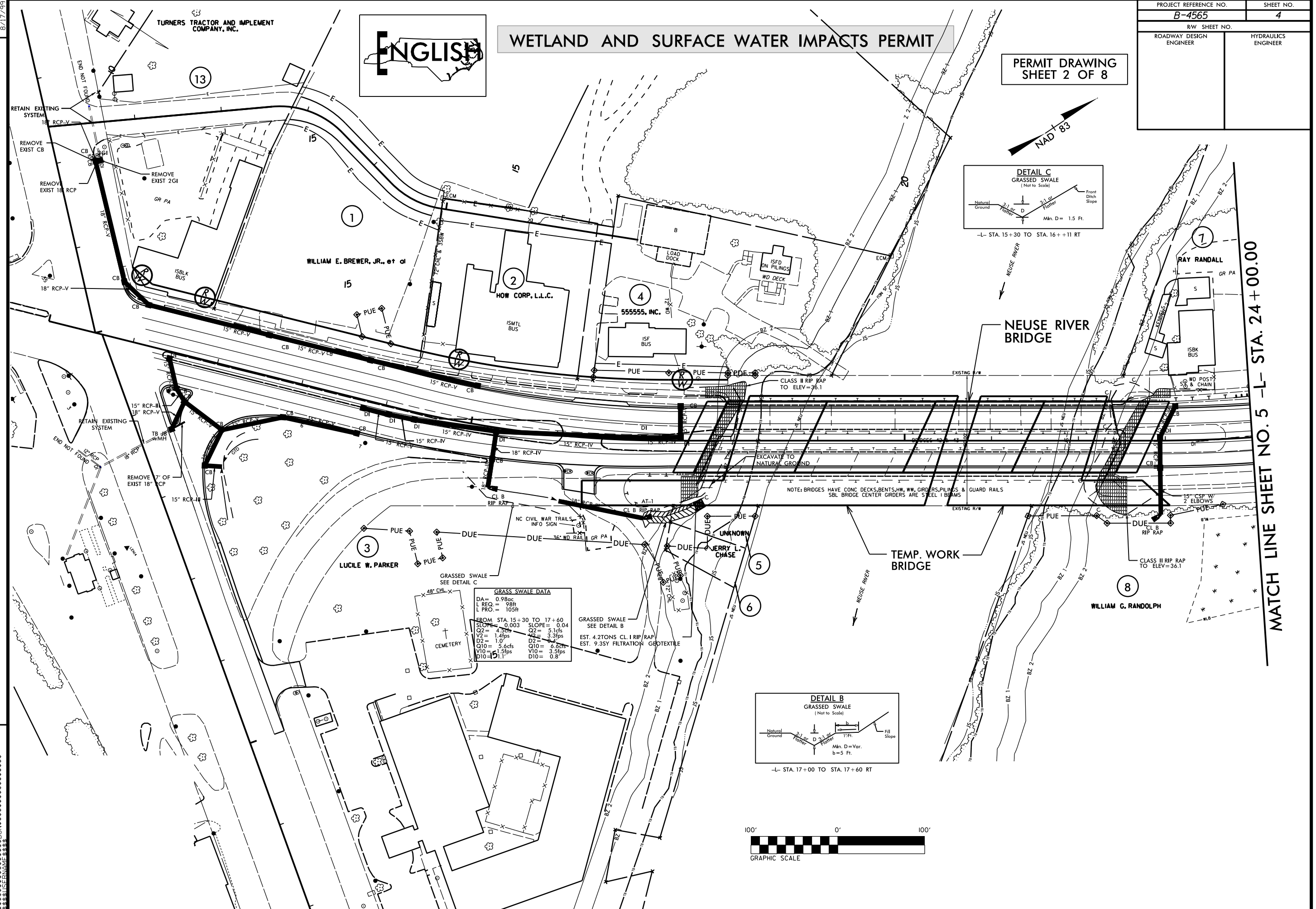


GRASS SWALE DATA

DA = 0.98ac	
L REQ. = 98ft	
L PRO. = 105ft	
FROM STA. 15+30 TO 17+60	
SLOPE = 0.003	SLOPE = 0.04
Q2 = 4.3cfs	Q2 = 5.1cfs
V2 = 1.4fps	V2 = 3.3fps
D2 = 1.0'	D2 = 0.7'
Q10 = 5.6cfs	Q10 = 6.6cfs
V10 = 1.5fps	V10 = 3.5fps
D10 = 1.1'	D10 = 0.8'

11/18/13 DESIGN REVISION (TLS) - ENLARGED PORK CHOP ISLAND AT US 70/US 70B TO ACCOMMODATE A MAST ARM SIGNAL POLE.

MATCH LINE SHEET NO. 5 -L- STA. 24+00.00



B.17/99

TURNERS TRACTOR AND IMPLEMENT COMPANY, INC.

WILLIAM E. BREWER, JR., et al

HOW CORP, L.L.C.

55555, INC.

LUCILE W. PARKER

JERRY L. CHASE

WILLIAM G. RANDOLPH

TEMP. WORK BRIDGE

NEUSE RIVER BRIDGE

RAY RANDALL

NOTE: BRIDGES HAVE CONC DECKS, BENTS, HW, WW, GIRDERS, PILINGS & GUARD RAILS
SBL BRIDGE CENTER GIRDERS ARE STEEL I BEAMS

EXCAVATE TO NATURAL GROUND

CLASS II RIP RAP TO ELEV=36.1

CLASS II RIP RAP TO ELEV=36.1

RETAIN EXISTING SYSTEM

REMOVE EXIST CB

REMOVE EXIST 2GI

REMOVE EXIST 18" RCP

REMOVE EXIST 18" RCP

REMOVE EXIST 18" RCP

REMOVE EXIST 18" RCP

REMOVE EXIST 18" RCP

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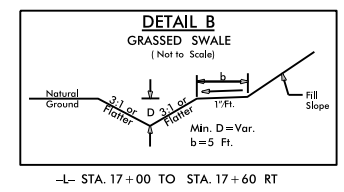
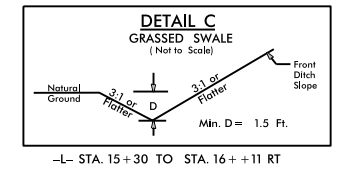
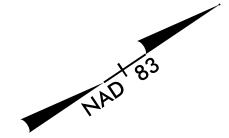
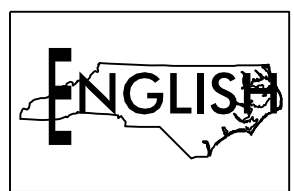
REMOVE EXIST 18" RCP

REMOVE EXIST 18" RCP

PROJECT REFERENCE NO.	SHEET NO.
B-4565	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

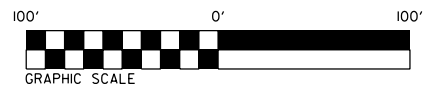
WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING
SHEET 3 OF 8



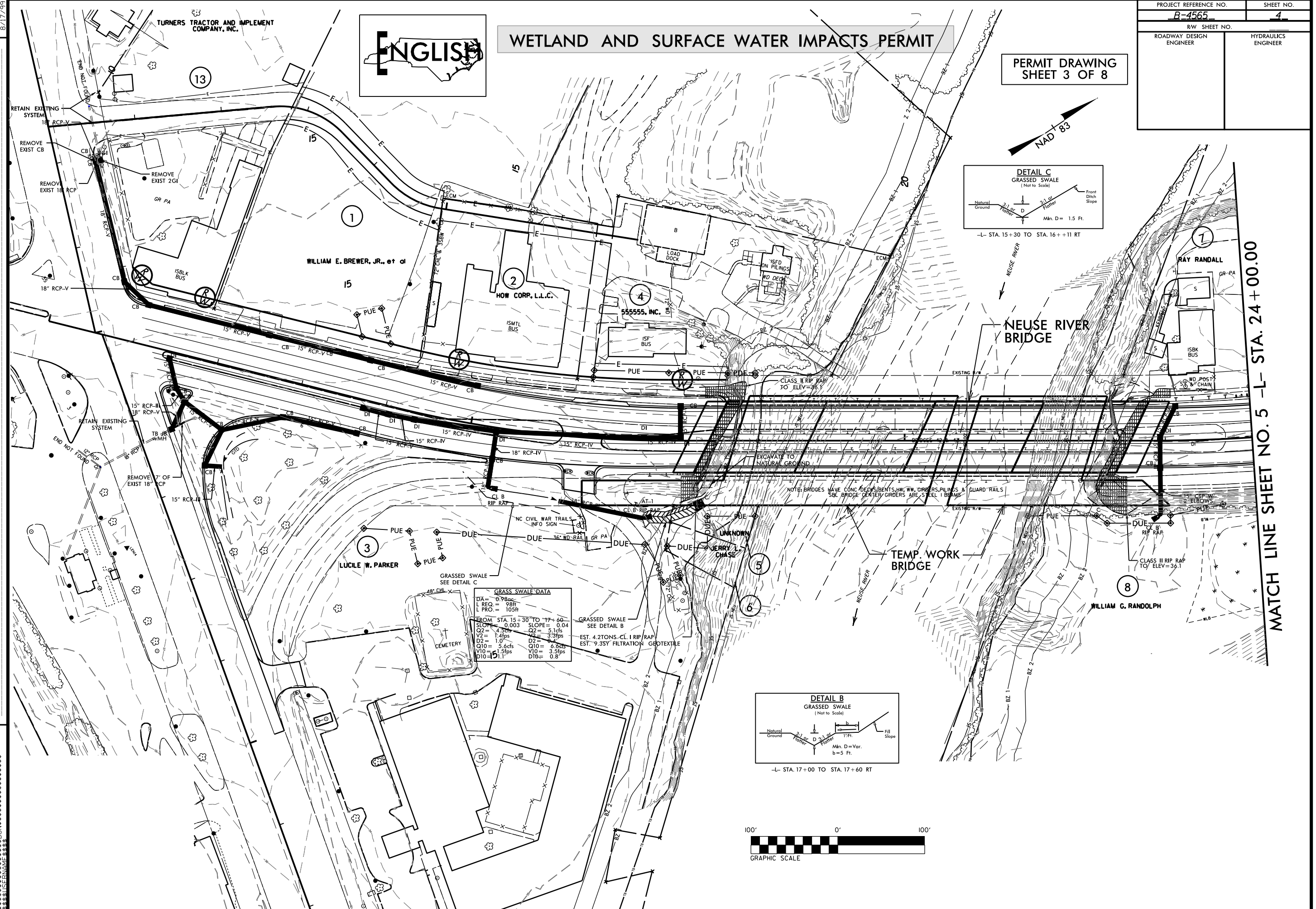
GRASS SWALE DATA

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L REQ. = 98ft	
L PRO. = 105ft	
FROM STA. 15+30 TO 17+60	
SLOPE = 0.003	SLOPE = 0.04
Q2 = 4.3cfs	Q2 = 5.1cfs
V2 = 1.4fps	V2 = 3.3fps
D2 = 1.0'	D2 = 0.8'
Q10 = 5.6cfs	Q10 = 6.6cfs
V10 = 1.5fps	V10 = 3.5fps
D10 = 0.8'	D10 = 0.8'



11/18/13 DESIGN REVISION (T.L.S.) - ENLARGED PORK CHOP ISLAND AT US TOXUS JOB TO ACCOMMODATE A MAST ARM SIGNAL POLE.

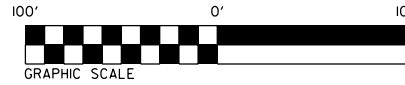
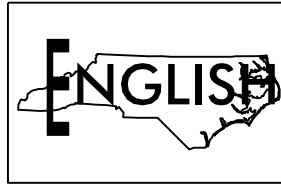
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8/17/99

REVISIONS

SYTIME
DESIGN
L.A.



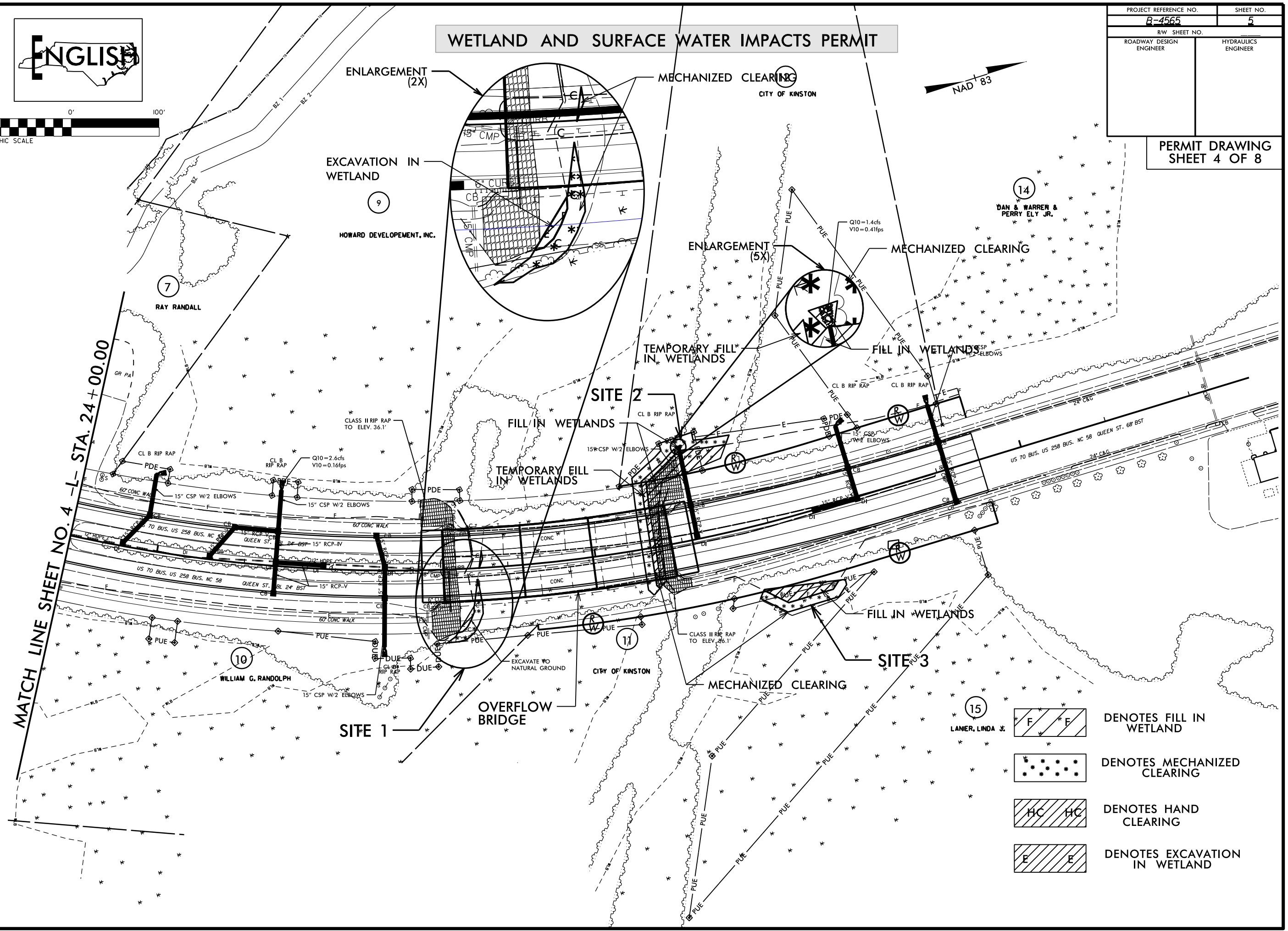
WETLAND AND SURFACE WATER IMPACTS PERMIT

PROJECT REFERENCE NO. B-4565	SHEET NO. 5
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PERMIT DRAWING
SHEET 4 OF 8



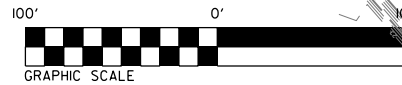
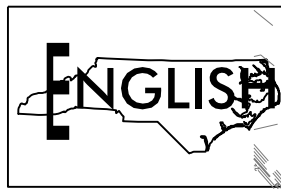
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REVISIONS

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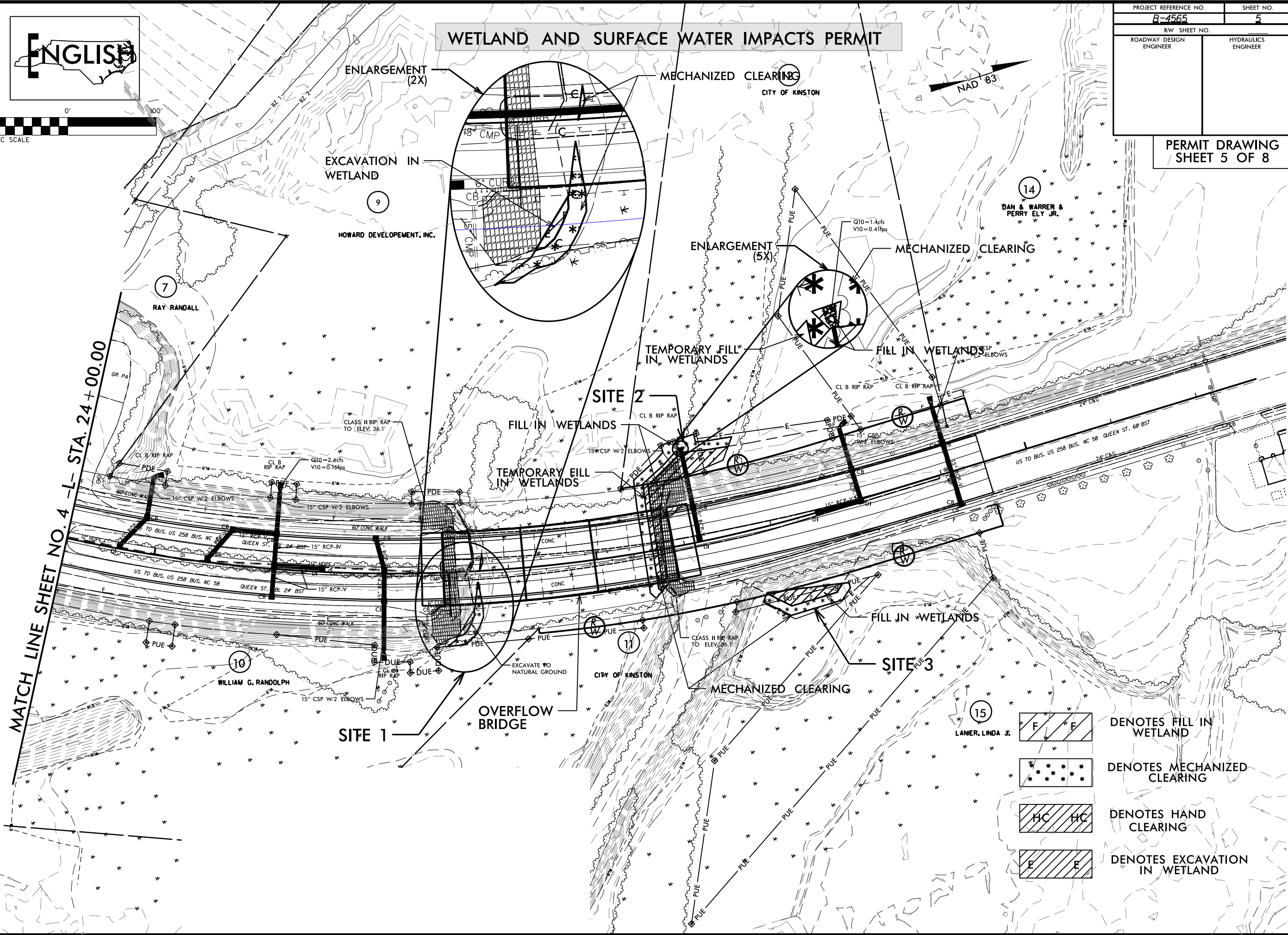
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- DENOTES MECHANIZED CLEARING
- DENOTES HAND CLEARING
- DENOTES EXCAVATION IN WETLAND


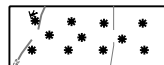
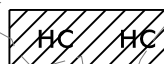



WETLAND AND SURFACE WATER IMPACTS PERMIT

PROJECT REFERENCE NO. B-4565	SHEET NO. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PERMIT DRAWING SHEET 5 OF 8	

MATCH LINE SHEET NO. 4 - L- STA. 24+00.00



-  DENOTES FILL IN WETLAND
-  DENOTES MECHANIZED CLEARING
-  DENOTES HAND CLEARING
-  DENOTES EXCAVATION IN WETLAND

REVISIONS

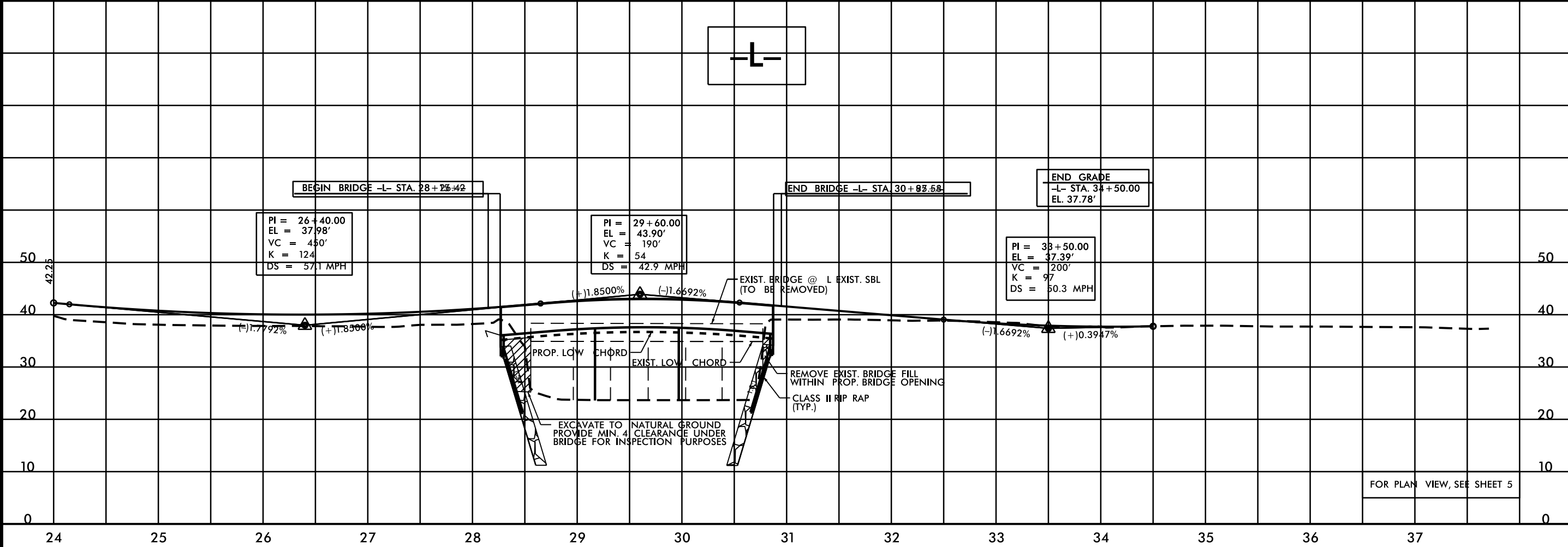
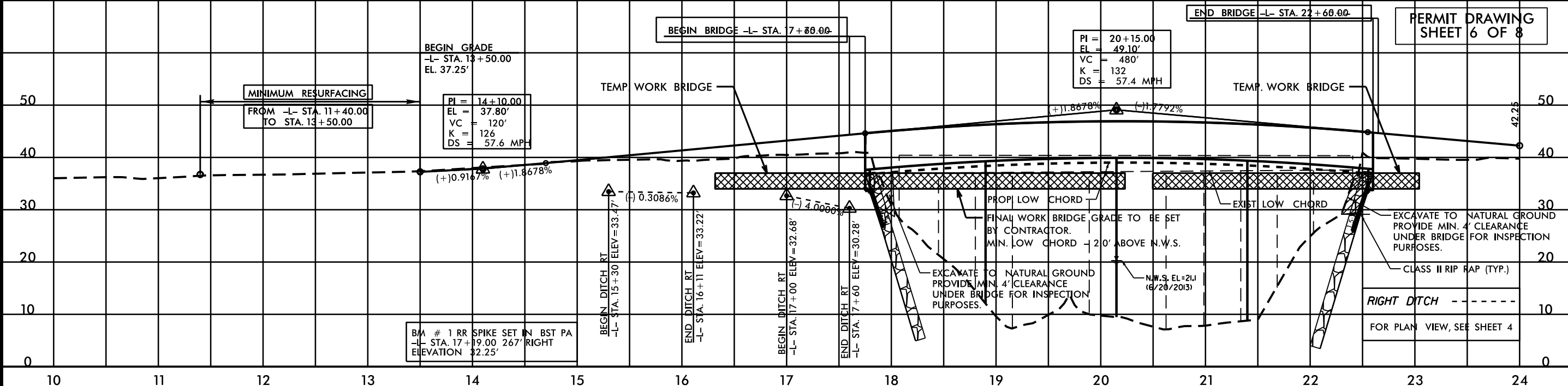
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PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

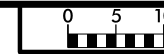
WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING SHEET 6 OF 8



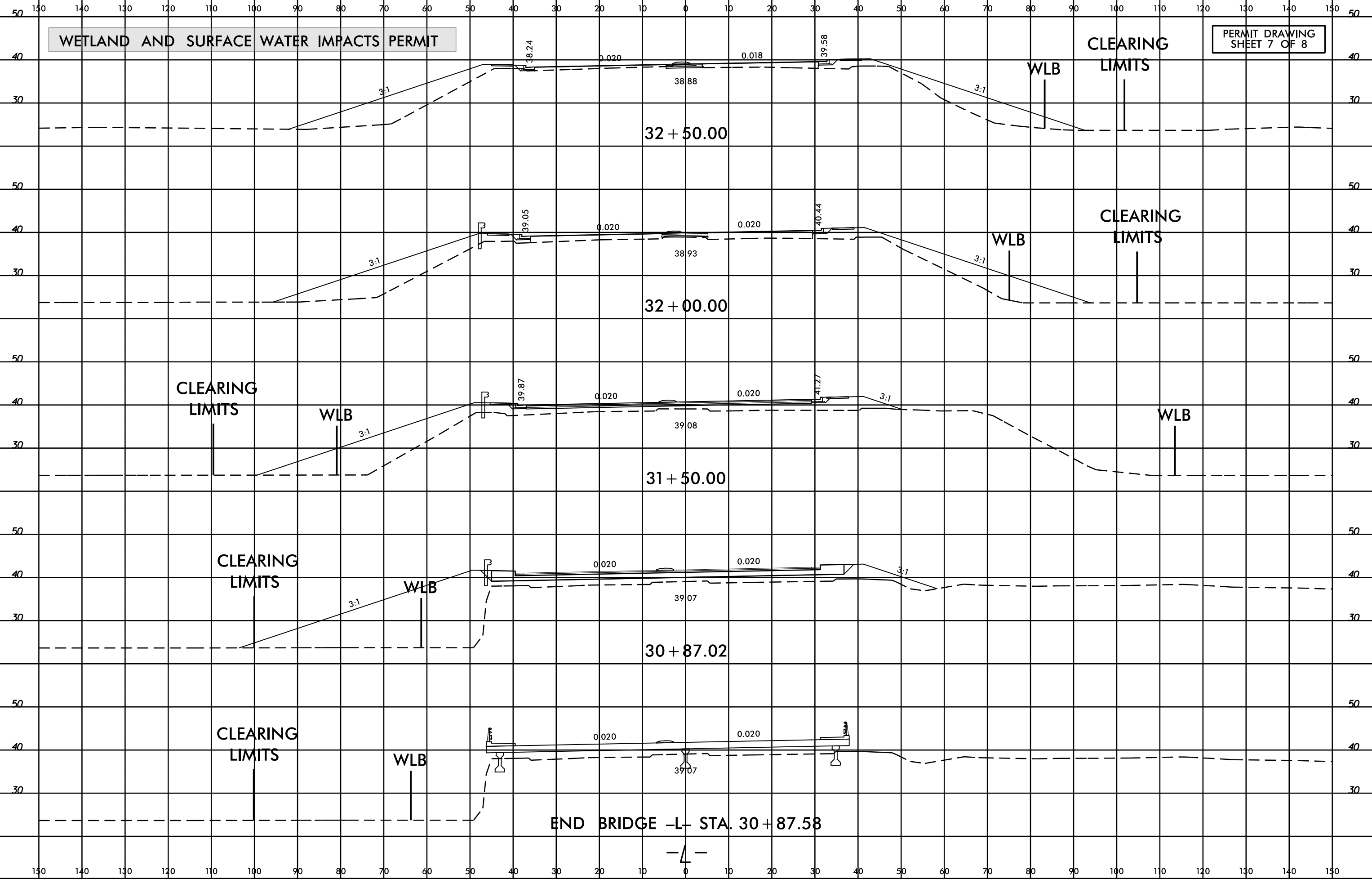
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8/23/99



WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING SHEET 7 OF 8



\$\$\$SYTIME\$\$\$
\$\$\$BY-DWG\$\$\$
\$\$\$CHK-DWG\$\$\$
\$\$\$APPR-DWG\$\$\$
\$\$\$USERNAME\$\$\$

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS						SURFACE WATER IMPACTS				
			CAMA Permanent Fill In Wetlands (ac)	404 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)
1	-L- STA 28+17 TO -L- STA 28+72	BRIDGE				<0.01	0.02						
2	-L- STA 30+55 TO -L- STA 31+81	BRIDGE		0.06	0.02		0.06						
3	-L- STA 31+71 RT TO -L- STA 32+66 RT	ROADWAY		0.02			0.02						
*TOTALS:			0.00	0.09	0.02	<0.01	0.10	0.00	0.00	0.00	0	0	0

NOTES:

* Totals may not match sum of individual impacts due to rounding.

Additional Impact Notes:

Neuse River Bridge:

Permanent impacts due to bents in water or wetlands: 170 sf (<0.01 acres).

Overflow Bridge:

Permanent impacts due to bents in water or wetlands: 57 sf <0.01 acres.

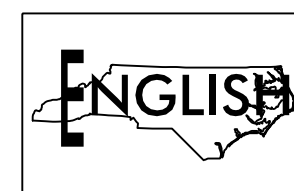
N.C.D.O.T.
 DIVISION OF HIGHWAYS
 LENOIR COUNTY
 WBS: 33773.1.1 (B-4565)

SHEET 8 OF 8 (06/06/2014)

09/08/2014

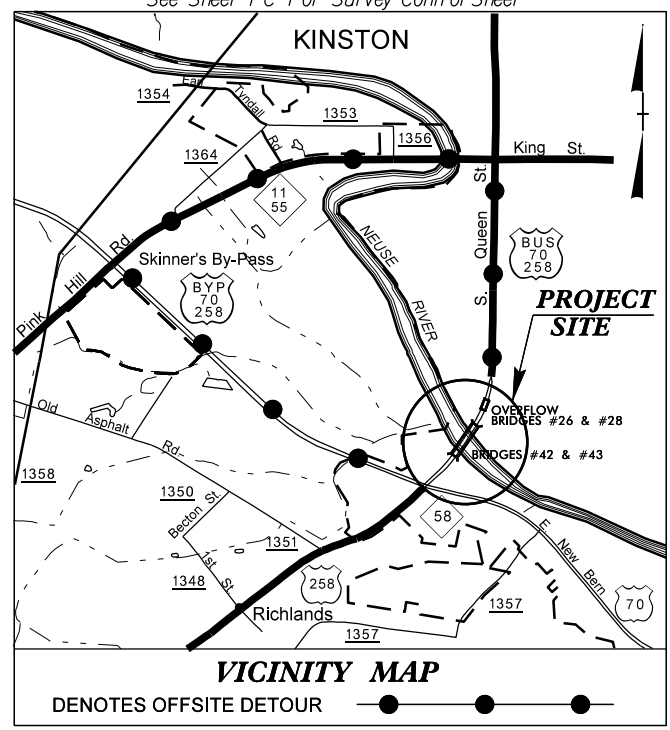
See Sheet 1-A For Index of Sheets
 See Sheet 1-B For Conventional Symbols
 See Sheet 1-C For Survey Control Sheet

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
LENOIR COUNTY



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4565	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33773.1.1	BRSTP-70B(5)	P.E.	
33773.2.1	BRSTP-70B(5)	RW	

TIP PROJECT: B-4565

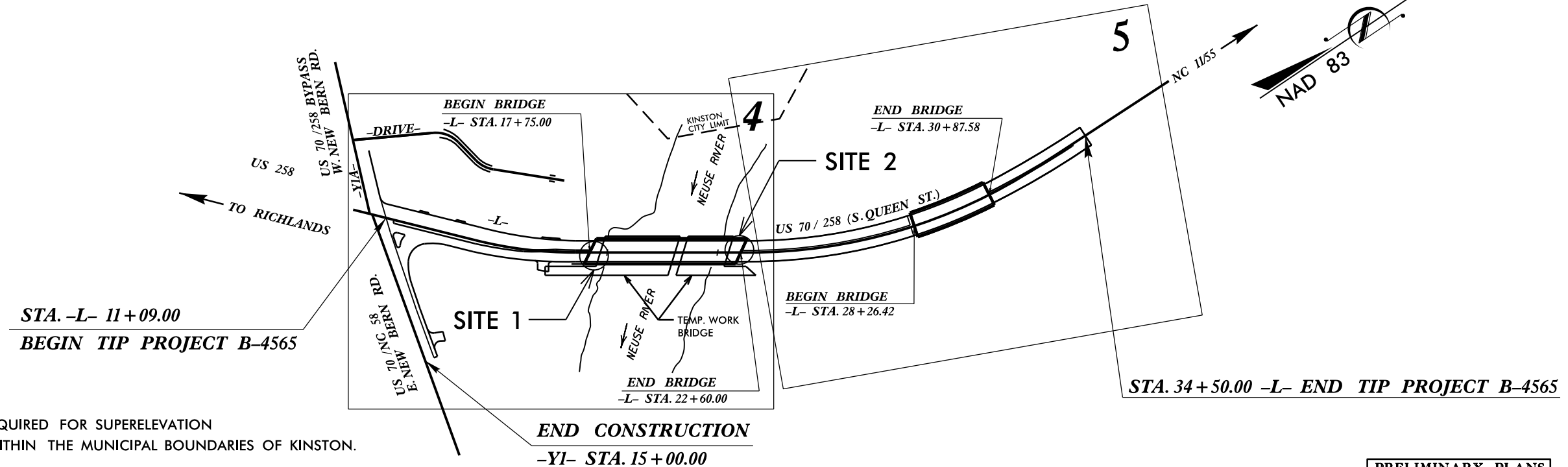
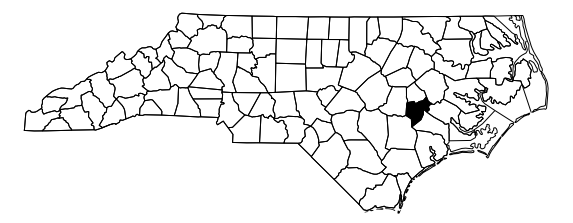


**LOCATION: BRIDGES 42, 43, 26 AND 28 OVER THE NEUSE RIVER
 AND OVERFLOW ON US 70/258 BUSINESS
 (SOUTH QUEEN STREET)**

TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES, AND SIGNALS

**BUFFER DRAWING
 SHEET 1 OF 3**

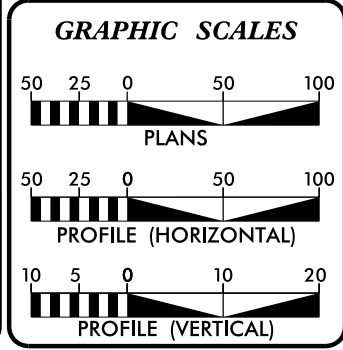
BUFFER IMPACTS PERMIT



* DESIGN EXCEPTION REQUIRED FOR SUPERELEVATION
 NOTE: THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF KINSTON.
 NOTE: CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

**PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION**

CONTRACT:



DESIGN DATA

ADT 2015 =	21,600
ADT 2035 =	44,000
K =	9 %
D =	65 %
T =	7 % *
V =	40 MPH
* TTST 4% DUAL 3%	
FUNC CLASS = URBAN ARTERIAL	

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT B-4565 =	0.302 MILES
LENGTH OF STRUCTURES TIP PROJECT B-4565 =	0.141 MILES
TOTAL LENGTH OF TIP PROJECT B-4565 =	0.443 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
 1000 Birch Ridge Dr., Raleigh NC, 27610

2012 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: APRIL 18, 2014	GARY LOVERING, PE PROJECT ENGINEER
LETTING DATE: JANUARY 20, 2015	CHRISTOPHER H. LEE PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.

**DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA**

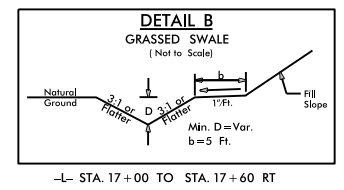
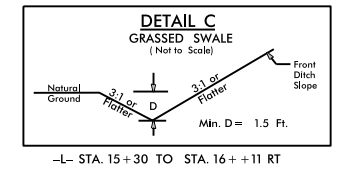
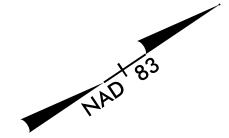
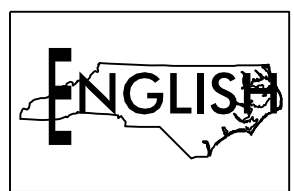
STATE HIGHWAY DESIGN ENGINEER P.E.

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DON\$\$\$\$\$
 \$\$\$SERNAME\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
B-4565	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

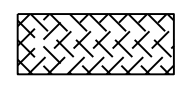
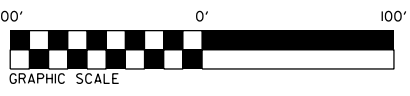
BUFFER IMPACTS PERMIT

BUFFER DRAWING SHEET 2 OF 3

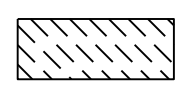


GRASS SWALE DATA

DA = 0.98ac	
L REQ. = 98ft	
L PRO. = 105ft	
FROM STA. 15+30 TO 17+60	
SLOPE = 0.003	SLOPE = 0.04
Q2 = 4.3cfs	Q2 = 5.1cfs
V2 = 1.4fps	V2 = 3.3fps
D2 = 1.0'	D2 = 0.7'
Q10 = 5.6cfs	Q10 = 6.6cfs
V10 = 1.5fps	V10 = 3.5fps
D10 = 1.1'	D10 = 0.8'



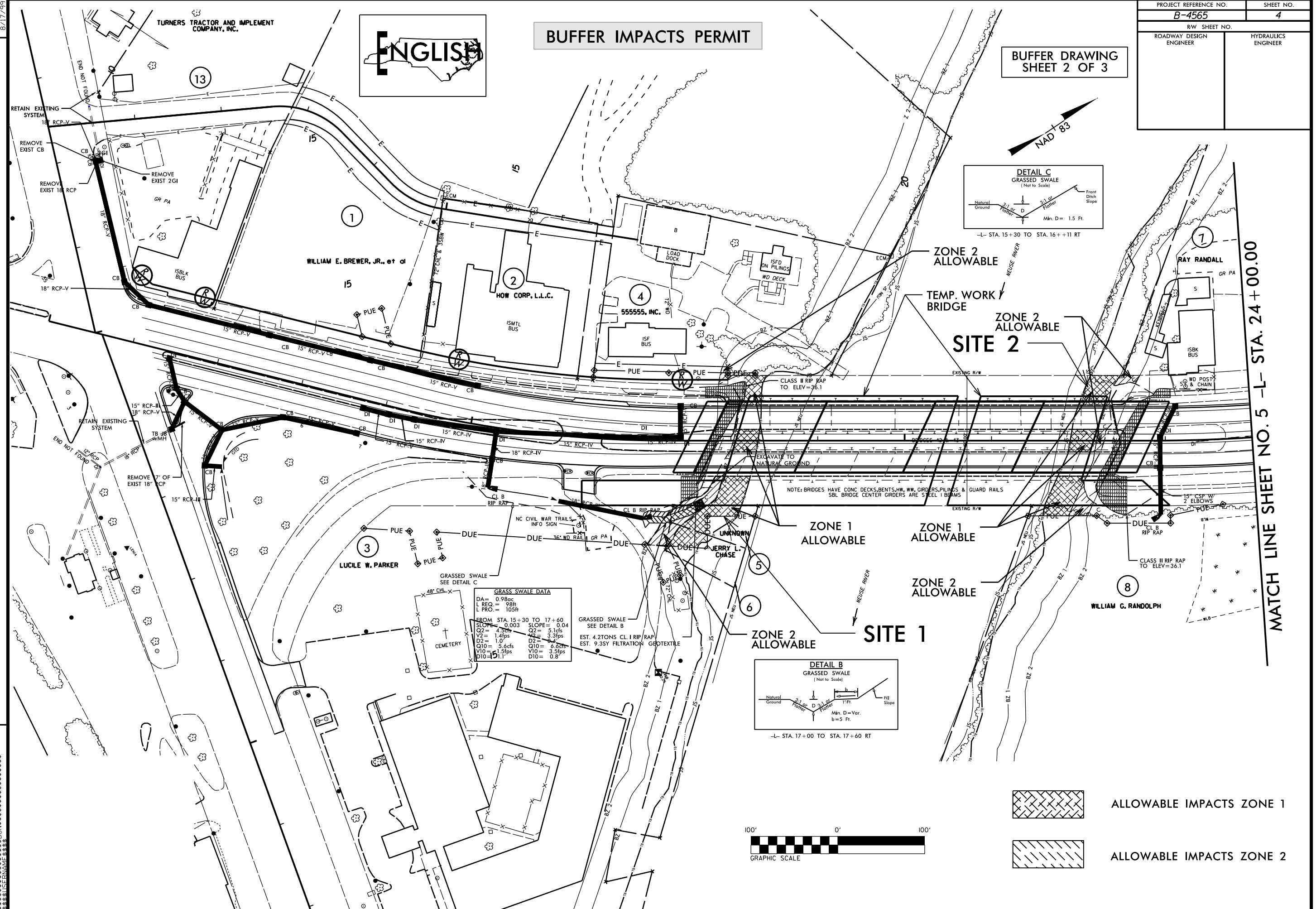
ALLOWABLE IMPACTS ZONE 1



ALLOWABLE IMPACTS ZONE 2

11/18/13 DESIGN REVISION (TLS) - ENLARGED PORK CHOP ISLAND AT US 70/US 70B TO ACCOMMODATE A MAST ARM SIGNAL POLE.

MATCH LINE SHEET NO. 5 -L- STA. 24+00.00



8/17/99

REVISIONS

TURNERS TRACTOR AND IMPLEMENT COMPANY, INC.

13

1

2

4

7

3

5

6

8

ZONE 2 ALLOWABLE

TEMP. WORK BRIDGE

ZONE 2 ALLOWABLE

SITE 2

ZONE 1 ALLOWABLE

ZONE 1 ALLOWABLE

ZONE 2 ALLOWABLE

ZONE 2 ALLOWABLE

SITE 1

NOTE: BRIDGES HAVE CONC DECKS, BENTS, HW, WW, GIRDERS, PILINGS & GUARD RAILS. SBL BRIDGE CENTER GIRDERS ARE STEEL I BEAMS.

CLASS II RIP RAP TO ELEV=36.1

CLASS II RIP RAP TO ELEV=36.1

EXCAVATE TO NATURAL GROUND

RETAIN EXISTING SYSTEM

REMOVE EXIST CB

REMOVE EXIST 2GI

REMOVE EXIST 18 RCP

REMOVE EXIST 18 RCP

REMOVE EXIST 18 RCP

REMOVE EXIST 18 RCP

REMOVE EXIST 18 RCP

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REMOVE EXIST 18 RCP

09/28/99

TIP PROJECT: B-4565

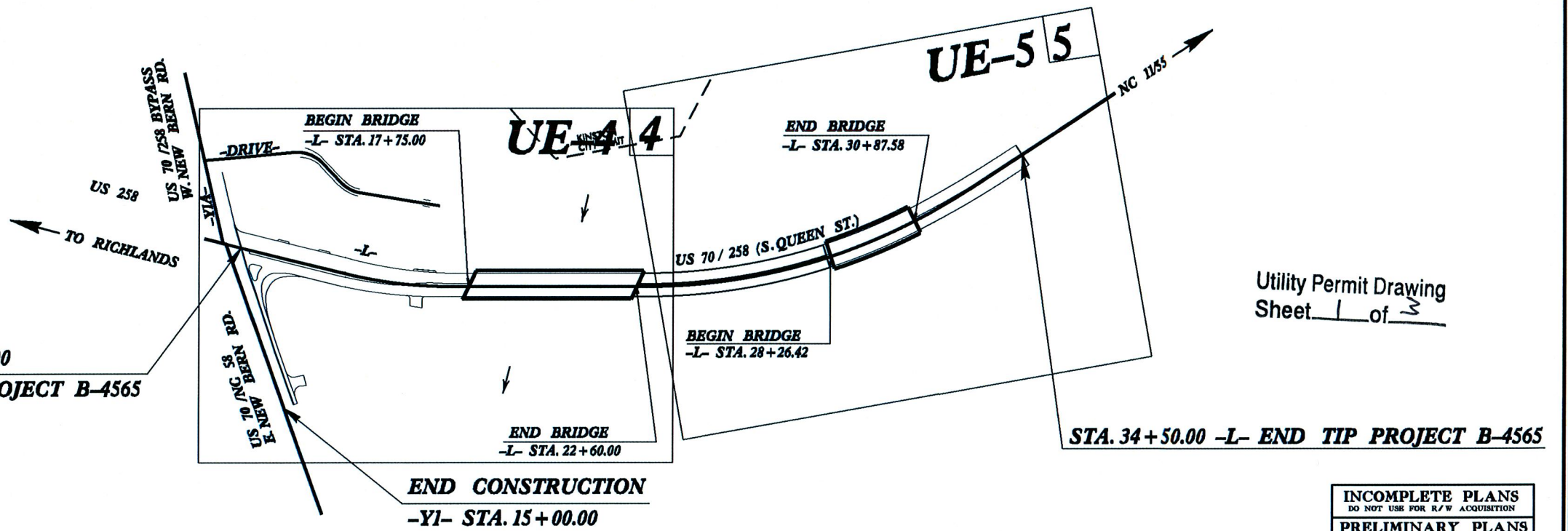
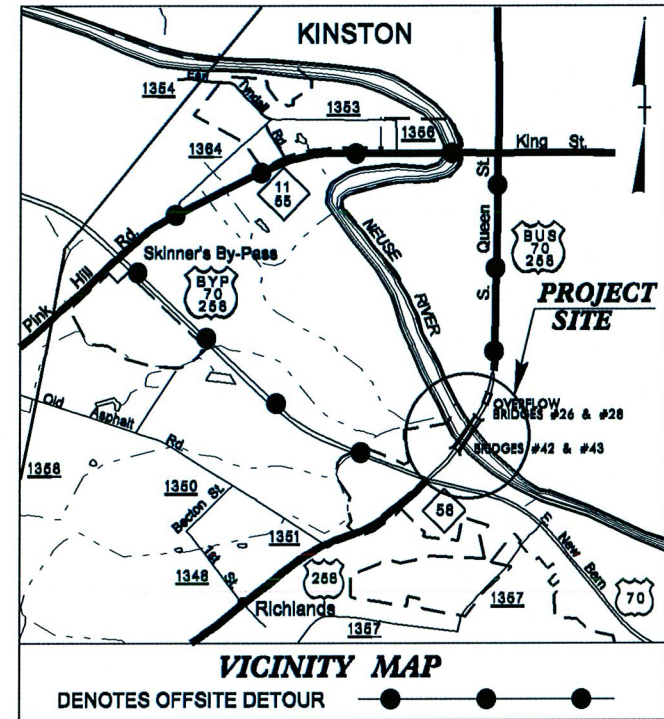
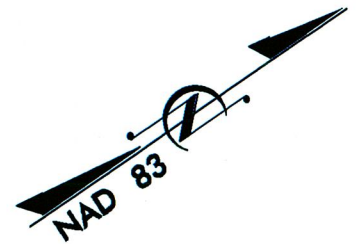
T.I.P. NO.	SHEET NO.
B-4565	UE-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

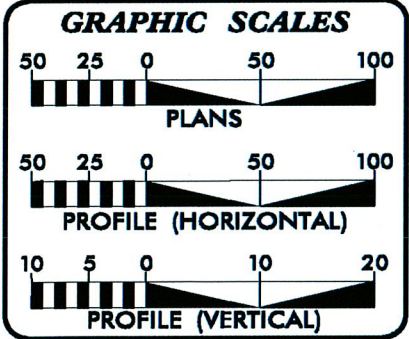
**NEU PERMIT PLANS
LENOIR COUNTY**

**LOCATION: BRIDGES 26, 28, 42, AND 43 OVER THE NEUSE RIVER
AND THE NEUSE RIVER OVERFLOW ON US 70 BUSINESS**

TYPE OF WORK: RELOCATION OF POWER AND TELEPHONE



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



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UE-1	TITLE SHEET
UE-2 THRU UE-3	PLAN SHEETS

UTILITY OWNERS ON PROJECT

- (A) CENTURYLINK TELEPHONE
- (B) CITY OF KINSTON POWER
- (C) CITY OF KINSTON WATER

PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES UNIT
UTILITIES ENGINEERING**

1555 MAIL SERVICES CENTER
RALEIGH, NC 27609-1555
PHONE (919) 707-4690
FAX (919) 259-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Kelvin Martin UTILITIES PROJECT DESIGNER

I:\JUN-2014 1401
 R:\Utilities\Engineering\NEU\Permit Plans and Narrative\B-4565_Ut_tsh_UE1_psh.dgn
 \$\$\$USERNAME\$\$\$

-  DENOTES EXCAVATION IN WETLAND
-  DENOTES FILL IN WETLAND
-  DENOTES HAND CLEARING

STA. 34 + 50.00 -L- END STATE PROJECT B-4565

12 CITY OF KINSTON
 SITE 6
 HANDCLEARING = 0.29 ACRES
 EXCAVATION IN WETLAND < 0.01 ACRES
 FILL IN WETLAND < 0.01 ACRES

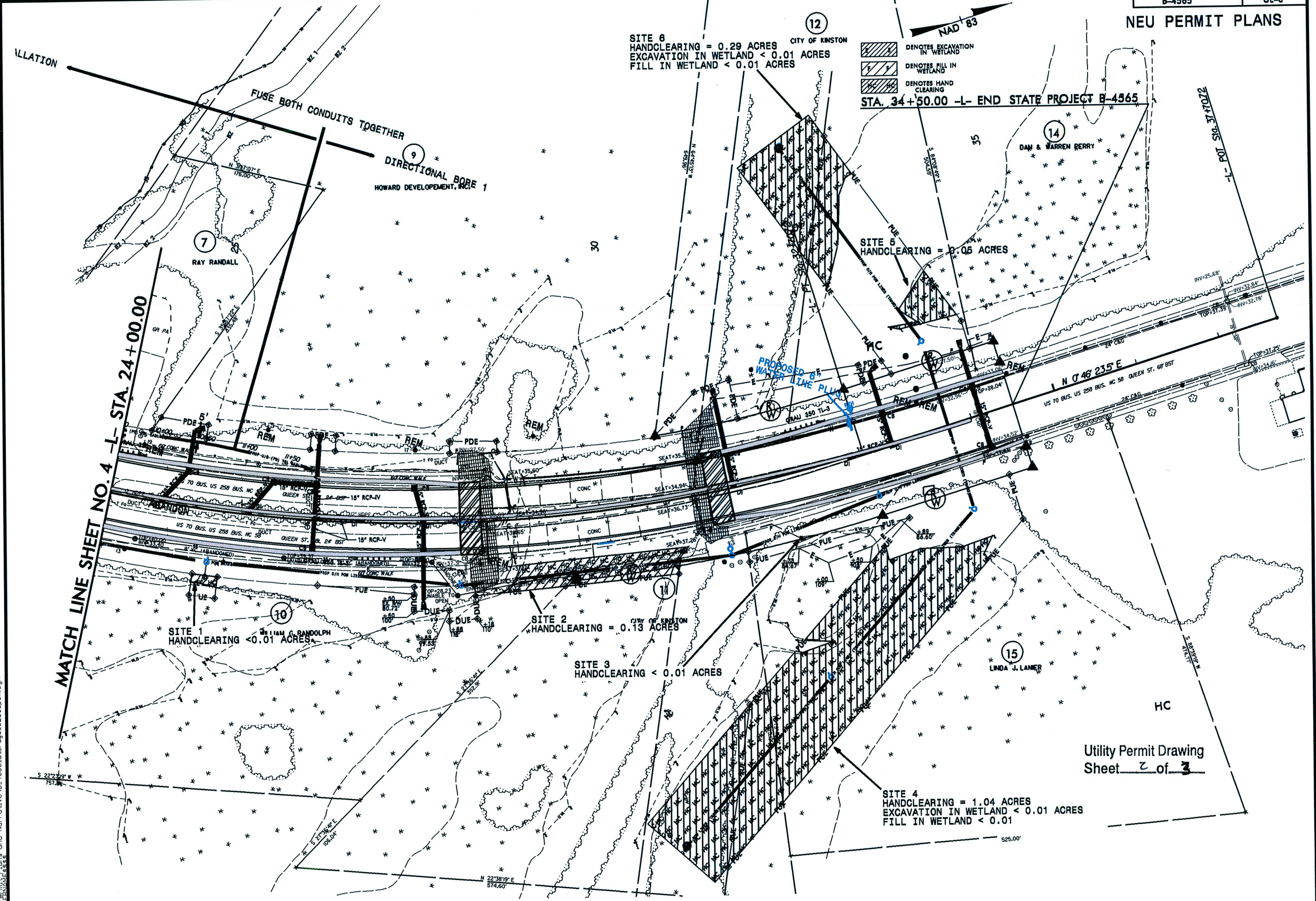
14 DAN & WARREN BERRY
 SITE 5
 HANDCLEARING = 0.05 ACRES

11 CITY OF KINSTON
 SITE 2
 HANDCLEARING = 0.13 ACRES

10 WILLIAM O. RANDOLPH
 SITE 1
 HANDCLEARING < 0.01 ACRES

11 CITY OF KINSTON
 SITE 3
 HANDCLEARING < 0.01 ACRES

15 LINDA J. LANER
 SITE 4
 HANDCLEARING = 1.04 ACRES
 EXCAVATION IN WETLAND < 0.01 ACRES
 FILL IN WETLAND < 0.01



Utility Permit Drawing Sheet 2 of 3

20-MAY-2014 08:57 and Narrative\B_4565_ut_rdlj5_UE05.psh.dgn
 5/14/99
 20-MAY-2014 08:57 and Narrative\B_4565_ut_rdlj5_UE05.psh.dgn

09/28/95

TIP PROJECT: B-4565

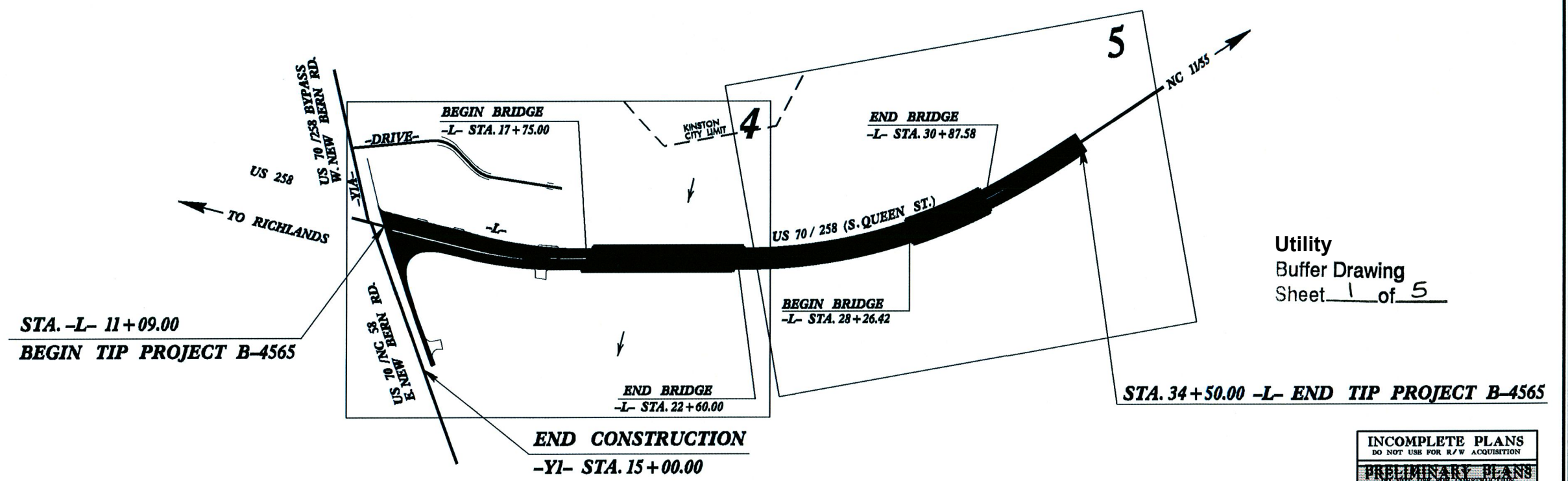
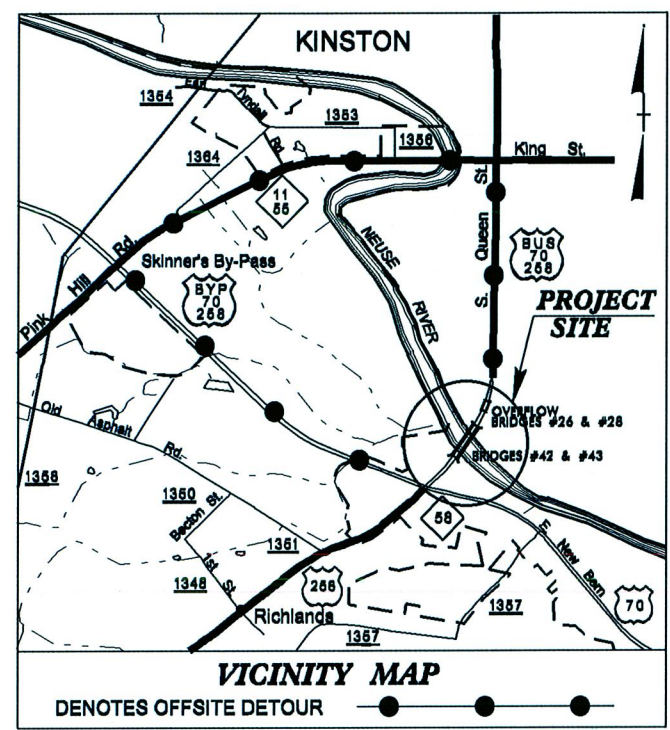
T.I.P. NO.	SHEET NO.
B-4565	UE-1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**NEU BUFFER PERMIT PLANS
LENOIR COUNTY**

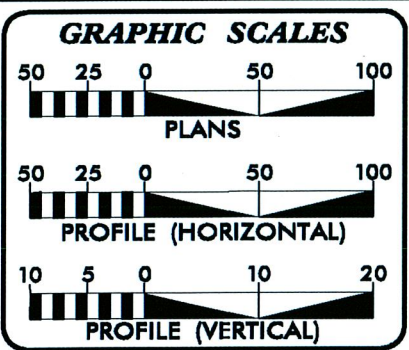
LOCATION: BRIDGES 26, 28, 42 AND 43 OVER THE NEUSE RIVER

TYPE OF WORK: RELOCATION OF POWER AND TELEPHONE LINES



Utility
Buffer Drawing
Sheet 1 of 5

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



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-X THRU UO-XX	UTILITY BY OTHERS PLAN SHEETS

UTILITY OWNERS ON PROJECT	
(A)	XXXXXX
(B)	XXXXXX
(C)	XXXXXX
(D)	XXXXXX
(E)	XXXXXX

PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES UNIT
UTILITIES ENGINEERING**

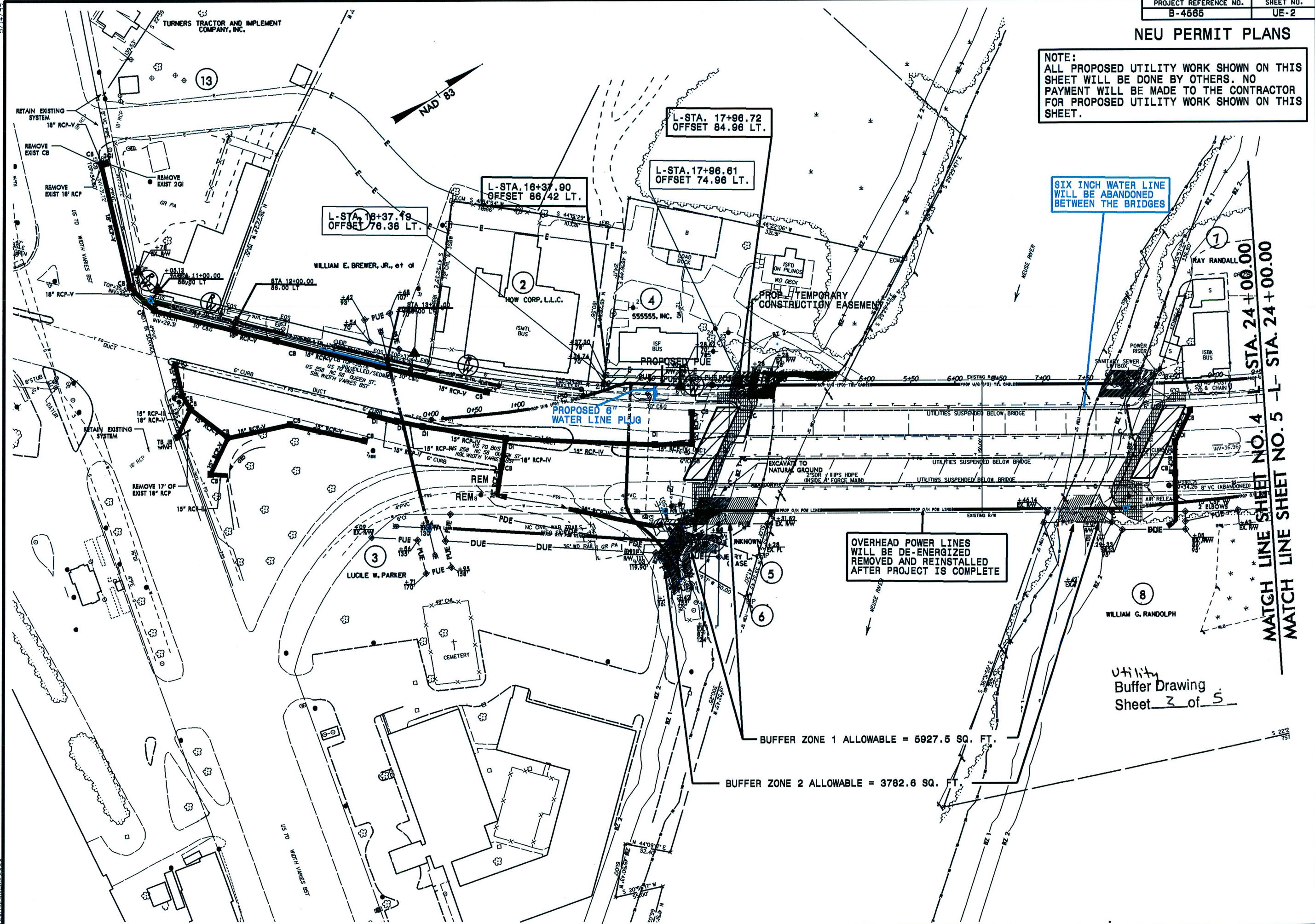
1555 MAIL SERVICES CENTER
RALEIGH NC 27695-1555
PHONE (919) 767-4490
FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
XXXXX XXXXX, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
XXXXX XXXXX UTILITIES PROJECT DESIGNER

11-JUN-2014 11:43
R:\Utilities\Engineering\NEU\Permit Plans and Narrative\B-4565_Ut_tsh_UCIBUFFRIMPACT_psh.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

NEU PERMIT PLANS

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



OVERHEAD POWER LINES WILL BE DE-ENERGIZED REMOVED AND REINSTALLED AFTER PROJECT IS COMPLETE

BUFFER ZONE 1 ALLOWABLE = 5927.5 SQ. FT.

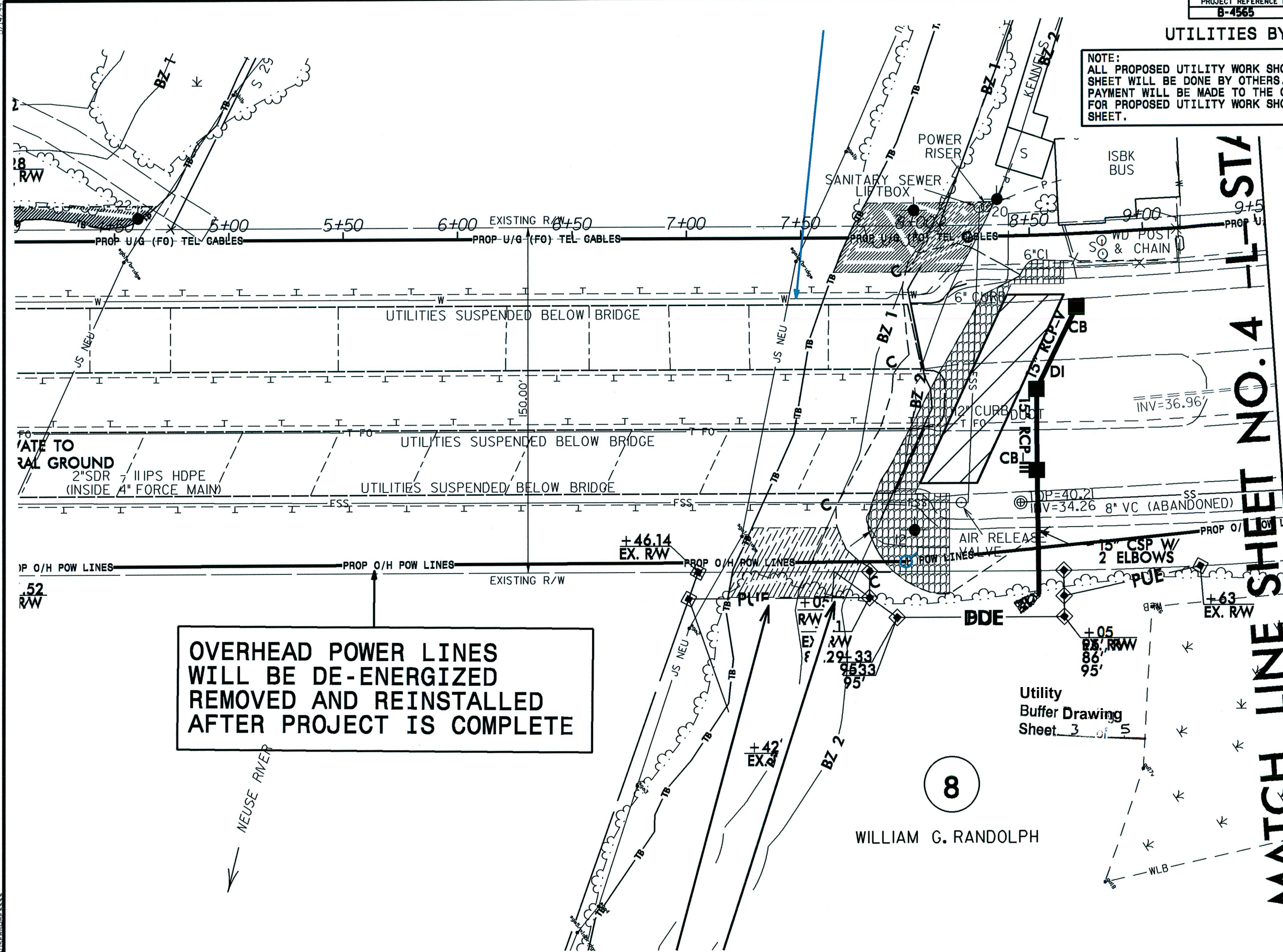
BUFFER ZONE 2 ALLOWABLE = 3782.6 SQ. FT.

Utility Buffer Drawing Sheet 2 of 5

20-MAY-2014 09:58
 9:58 AM
 Utility Buffer Drawing Sheet 2 of 5
 and Narrative B-4565.ut_rdy4 UE04_psh.dgn

UTILITIES BY OTHERS

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



OVERHEAD POWER LINES WILL BE DE-ENERGIZED REMOVED AND REINSTALLED AFTER PROJECT IS COMPLETE

8

WILLIAM G. RANDOLPH

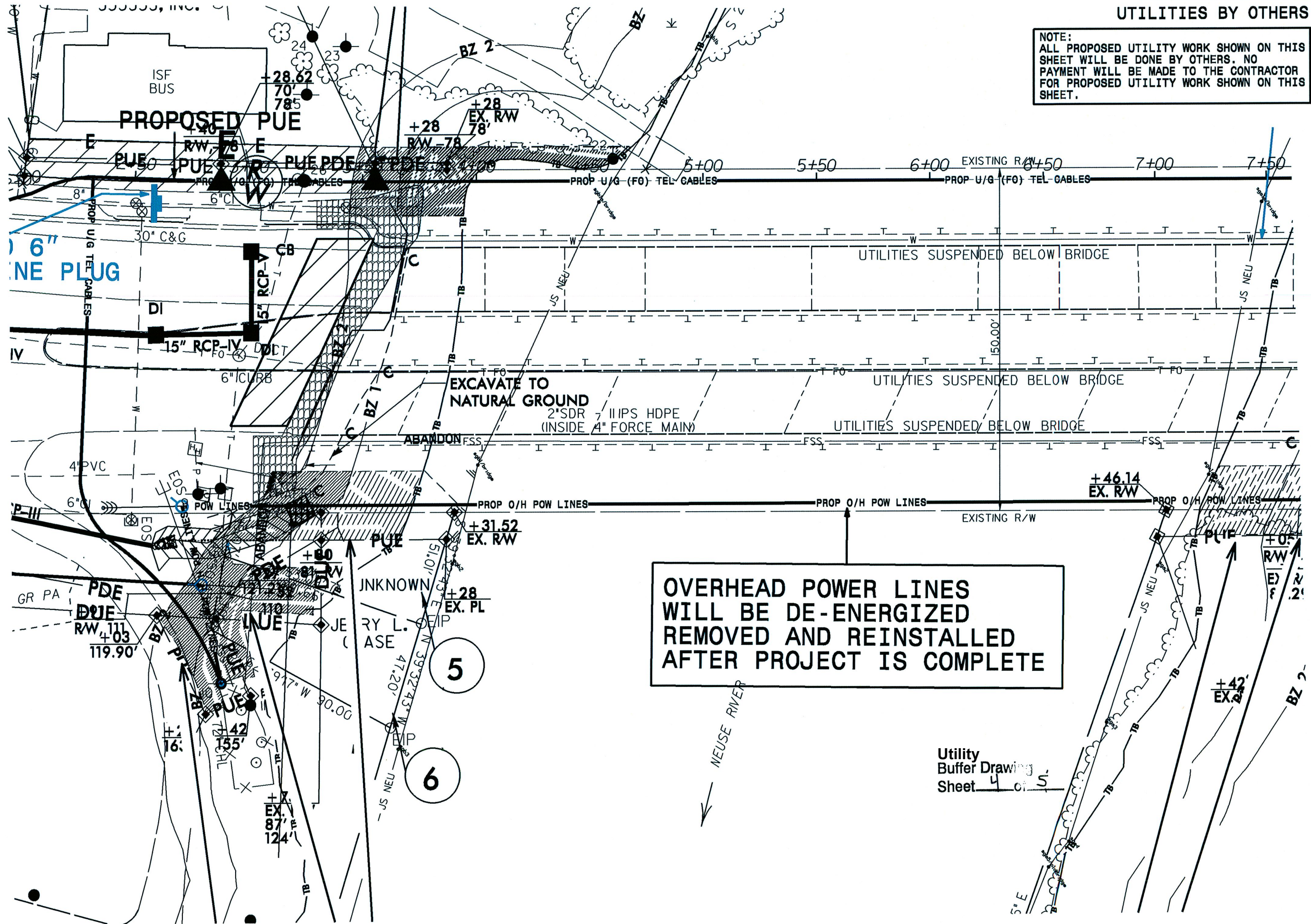
MATCH LINE SHEET NO. 4 - L - STA

Utility Buffer Drawing Sheet 3 of 5

5/14/99
10-JUN-2014 11:42
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UTILITIES BY OTHERS

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



OVERHEAD POWER LINES WILL BE DE-ENERGIZED REMOVED AND REINSTALLED AFTER PROJECT IS COMPLETE

Utility Buffer Drawing Sheet 4 of 5

5/14/99
10-JUN-2014 10:04
\\NEU\pccmt\plans and Narrative\B-4665_Ut_rdy4_UE04a_psh.dgn
*****USERNAME*****

BUFFER IMPACTS SUMMARY

SITE NO.	STRUCTURE SIZE / TYPE	STATION (FROM/TO)	IMPACT									BUFFER REPLACEMENT	
			TYPE			ALLOWABLE			MITIGABLE			ZONE 1 (ft ²)	ZONE 2 (ft ²)
			ROAD CROSSING	BRIDGE	PARALLEL IMPACT	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)	ZONE 1 (ft ²)	ZONE 2 (ft ²)	TOTAL (ft ²)		
1	Phone Line	17+56 to 18+41-L-21+49 to 22+03				5927.5							
2	Phone Line	17+251 to 17+86-L-21+89 to 22+23					3782.6						
TOTALS:						5927.5	3782.6						

Utility
Buffer Drawing
Sheet 5 of 5

N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS

LENIOR COUNTY
PROJECT: B-4561
Revised 03/19/2014

SHEET 1 OF 1