

DEPARTMENT OF THE ARMY  
Wilmington District, Corps of Engineers  
Post Office Box 1890  
Wilmington, North Carolina 28402-1890

ACTION ID 200301099 and 200301101

January 23, 2004

PUBLIC NOTICE

Eastern North Carolina Natural Gas (ENCNG), a Division of Piedmont Natural Gas, c/o Mr. John M. Monaghan, 5625 Dillard Drive, Suite 101, Cary, North Carolina 27511, and the Albemarle-Pamlico Economic Development Corporation (APEC), c/o Mr. John F. Hughes, 112 West Water Street, Edenton, NC 27932 have applied for a Department of the Army (DA) individual permit TO TEMPORARILY IMPACT APPROXIMATELY 26.8 ACRES OF DA JURISDICTIONAL WETLANDS, APPROXIMATELY 408 LINEAR FEET OF STREAM CHANNELS, AND 241 SQUARE FEET OF OPEN WATERS TO FACILITATE THE INSTALLATION OF 59.3 MILES OF NATURAL GAS TRANSMISSION LINE AND FIBER OPTIC CABLE CONDUIT WITHIN THE CAPE FEAR AND WHITE OAK RIVER BASINS, NORTH CAROLINA. The proposed project is located within existing Progress Energy powerline easements and within maintained North Carolina Department of Transportation (NCDOT) right-of-ways in Pender, Duplin and Onslow Counties.

This project represents Phase 4B of a multiphased project that began in 2001. Previous Phases (Phases 1, 2 and 7) were authorized under the authority of Nationwide Permit 12. Authorized wetland impacts for those phases total 2.63 acres, of which 1.43 acres resulted in a change in plant community (forest to herbaceous) and compensatory mitigation was required and completed. Phases 3A and 4A were authorized under the authority of Individual Permits. No permanent impacts were associated with those phases; however, temporary impacts included 30 acres of wetland and 580 linear feet of stream channels. Phase 3B is presently being reviewed through the individual permit process. Proposed impacts for Phase 3B include temporary impacts to approximately 0.729 acres of wetland and 170 linear feet of stream channels.

The following description of this project is taken from data provided by the applicant and from observations made during onsite inspections by representatives of the Corps of Engineers. ENCNG proposes to install an additional 59.3 miles of natural gas transmission line utilizing horizontal directional drilling (HDD) and excavated trench methodologies. The Phase 4B project will begin in an existing Progress Energy powerline easement located east of the New River, northwest of Jacksonville, NC in Onslow County and will terminate on SR 1632, just south of the intersection of NC Highway 210 and Interstate 40 in Pender County. The applicant is also proposing an extension of Phase 4A to begin at US Highway 421 and terminate at NC Highway 210 in Pender County. The transmission system will consist of 12-inch and 10-inch diameter

mainline. The gas line is being installed primarily to serve residential, commercial and industrial customers. APEC will install the fiber optic conduit concurrently with the natural gas pipeline construction. The construction corridor is approximately 20 feet wide.

The project crosses a total of 67 waterbodies. A total of 14 perennial streams and one pond will be directionally bored using HDD techniques. Other streams (29 perennial and 20 intermittent) and 3 ponds will be crossed using open-cut techniques.

The project will cross 183 separate wetland areas located within NCDOT right-of-ways and Progress Energy powerline easements. One hundred seventy two (172) wetlands to be crossed are typed as successional and emergent wetlands. Eleven (11) wetlands along the project corridor are typed as palustrine forest. Larger wetland areas will be directionally bored. Open trench methodology will be utilized in smaller wetland crossings.

The applicant proposes to utilize HDD methods to avoid impacts to Areas of Environmental Concern as designated by the North Carolina Division of Coastal Management. The applicant also agrees to avoid or minimize impacts to streams containing anadromous fish spawning and rearing habitat. The applicant is proposing to convert 1.1 acre of forested wetland to herbaceous wetland. The applicant's compensatory mitigation proposal is to make payment to the North Carolina Wetlands Restoration Program, at a 2:1 ratio, for the conversion impacts to 1.1 acres of riparian and non-riparian wetlands.

Plans showing the work are included with this public notice. The plans and additional information provided by the applicant detailing avoidance and minimization efforts can also be reviewed at the Wilmington Regulatory Field Office, U. S. Army Corps of Engineers Wilmington District, 69 Darlington Avenue, Wilmington, North Carolina 28403.

This proposal shall be reviewed for the applicability of other actions by North Carolina agencies such as:

- a. The issuance of a Water Quality Certification under Section 401 of the Clean Water Act by the North Carolina Division of Water Quality (NCDWQ).
- b. The issuance of a permit to dredge and/or fill under North Carolina General Statute 113-229 by the North Carolina Division of Coastal Management (NCDCM).
- c. The issuance of a permit under the North Carolina Coastal Area Management Act (CAMA) by the North Carolina Division of Coastal Management (NCDCM) or their delegates.
- d. The issuance of an easement to fill or otherwise occupy State-Owned submerged land under North Carolina General Statute 143-341(4), 146-6, 146-11, and 146-12 by

the North Carolina Department of Administration (NCDA) and the North Carolina Council of State.

e. The approval of an Erosion and Sedimentation control Plan by the Land Quality Section, North Carolina Division of Land Resources (NCDLR), pursuant to the State Sedimentation Pollution Control Act of 1973 (NC G.S. 113 a-50-66).

The State of North Carolina will review this public notice to determine the need for the applicant to obtain any required State authorization. No Department of the Army (DA) permit will be issued until the coordinated State viewpoint on the proposal has been received and reviewed by this agency, nor will a DA permit be issued until the North Carolina Division of Water Quality (NCDWQ) has determined the applicability of a Water Quality Certificate as required by PL 92-500.

This application is being considered pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344) and Section 10 of the Rivers and Harbors Act of 1899. Any person may request, in writing within the comment period specified in the notice, that a public hearing be held to consider this application. Requests for public hearing shall state, with particularity, the reasons for holding a public hearing.

The District Engineer has consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this site is not registered property or property listed as being eligible for inclusion in the Register. Consultation of the National Register constitutes the extent of cultural resource investigations by the District Engineer, and he is otherwise unaware of the presence of such resources. Presently, unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by work under the requested permit.

The proposed activity will be constructed in an area where potential habitat exists for Cooley's meadowrue (*Thalictrum cooleyi*), golden sedge (*Carex lutea*), and rough-leaved loosestrife (*Lysimachia asperulaefolia*). These species are federally listed as endangered or threatened pursuant to the Endangered Species Act of 1973. The District Engineer, based upon available information, has determined that the proposed activity is not likely to adversely affect these species.

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts, which the proposed activity may have on the public interest, requires a careful weighing of all those factors that become relevant in each particular case. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. The decision whether to authorize a proposal, and if so the conditions under which it will be allowed to occur, are therefore determined by the outcome of the general balancing process. That decision should reflect the

national concern for both protection and utilization of important resources. All factors, which may be relevant to the proposal, must be considered including the cumulative effects thereof. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards and flood plain values (in accordance with Executive Order 11988), land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving the placement of dredged or fill materials in waters of the United States, a permit will be denied if the discharge that would be authorized by such permit would not comply with the Environmental Protection Agencies' 404(b)(1) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria, a permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

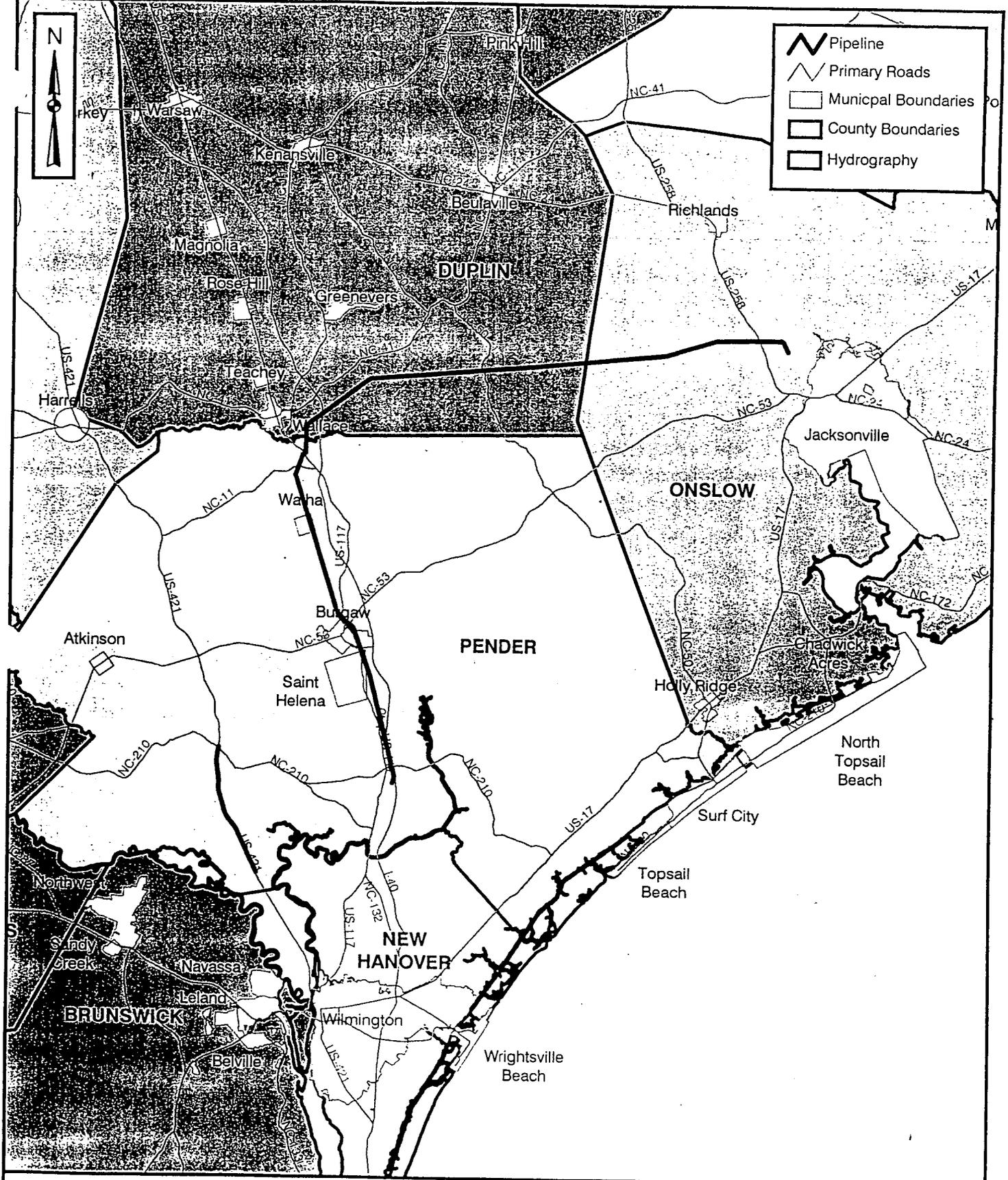
The Corps of Engineers is soliciting comments from the public; Federal, State and local agencies and officials; Indian Tribes and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Generally, the decision whether to issue this Department of the Army (DA) permit will not be made until the North Carolina Division of Water Quality (NCDWQ) issues, denies, or waives State certification required by Section 401 of the Clean Water Act. The NCDWQ considers whether or not the proposed activity will comply with Sections 301, 302, 306, and 307 of the Clean Water Act. The application and this public notice for the Department of the Army (DA) permit serves as application to the NCDWQ for certification.

Additional information regarding the Clean Water Act certification may be reviewed at the offices of the Wetlands/401 Unit, NCDWQ, 2321 Crabtree Boulevard, Raleigh, North Carolina 27604-2260. Copies of such materials will be furnished to any person requesting copies upon payment of reproduction cost.

All persons desiring to make comments regarding the application for Clean Water Act certification should do so in writing delivered to the North Carolina Division of Water Quality (NCDWQ), 1621 Mail Service Center, Raleigh, NC 27699-1621, on or before February 16, 2004, Attn: Mr. John Dorney.

Written comments pertinent to the proposed work, as outlined above, will be received in the Corps of Engineers, Wilmington District, Wilmington Regulatory Field Office, Attn: Ms. Jennifer Frye, Post Office Box 1890, Wilmington, North Carolina, 28402-1890, until 4:15 p.m., February 23, 2004, at telephone (910) 251-4923.

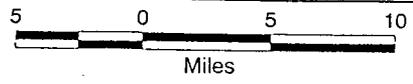


**Legend**

- Pipeline
- Primary Roads
- Municipal Boundaries
- County Boundaries
- Hydrography



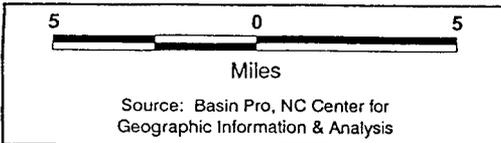
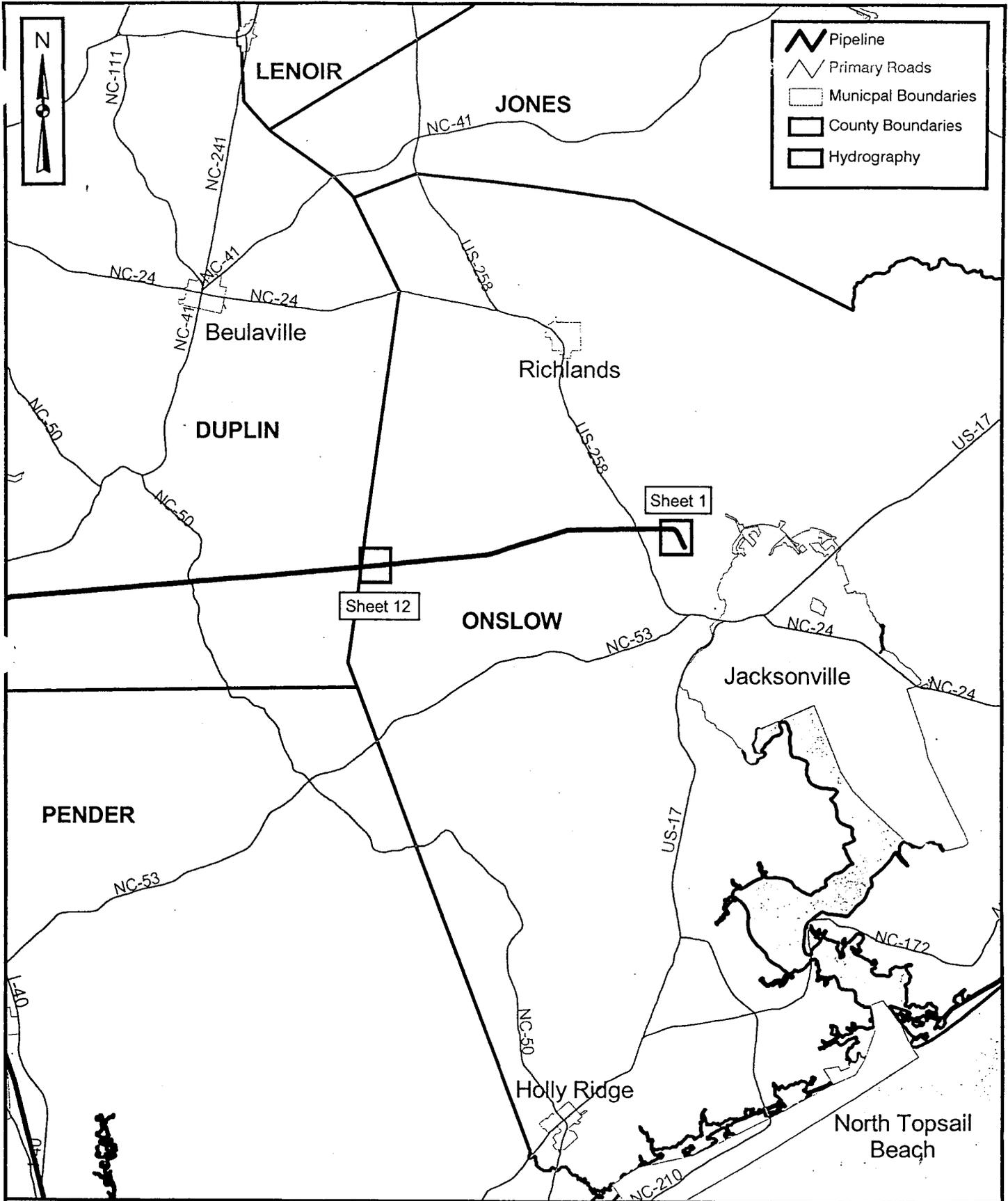
Environmental Services, Inc.



Source: Basin Pro, NC Center for Geographic Information & Analysis

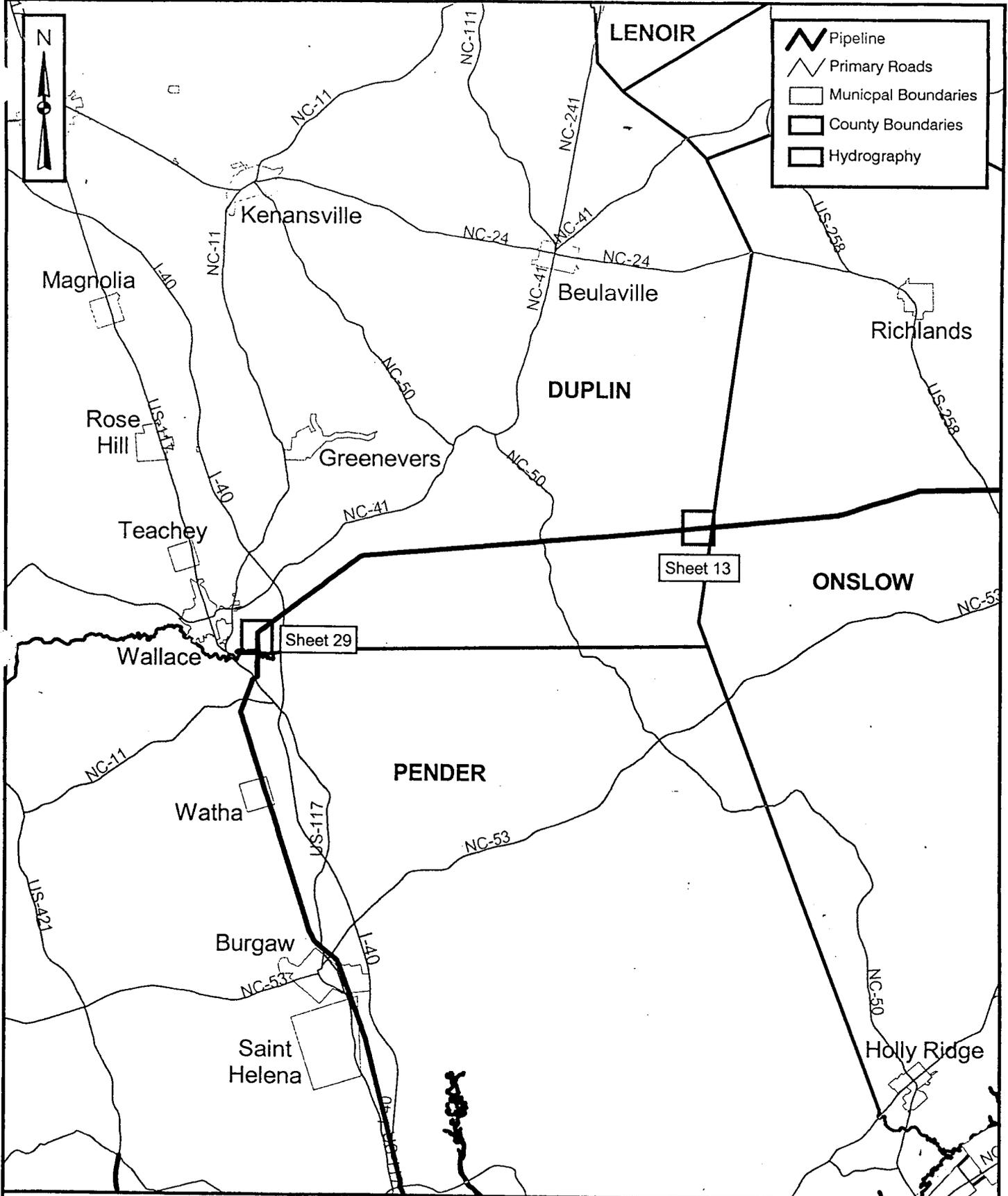
Project Location Map  
Eastern NC Natural Gas  
Pipeline- Phase IVB

Figure: 1
ER01-150.04
June 2003

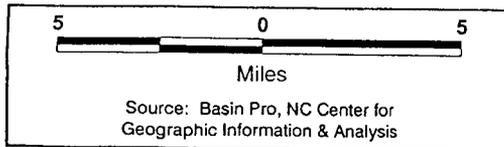


Sheets 1 through 12  
Phase 4B Main Line  
Onslow County

Key
ER01-150.04
July 2003

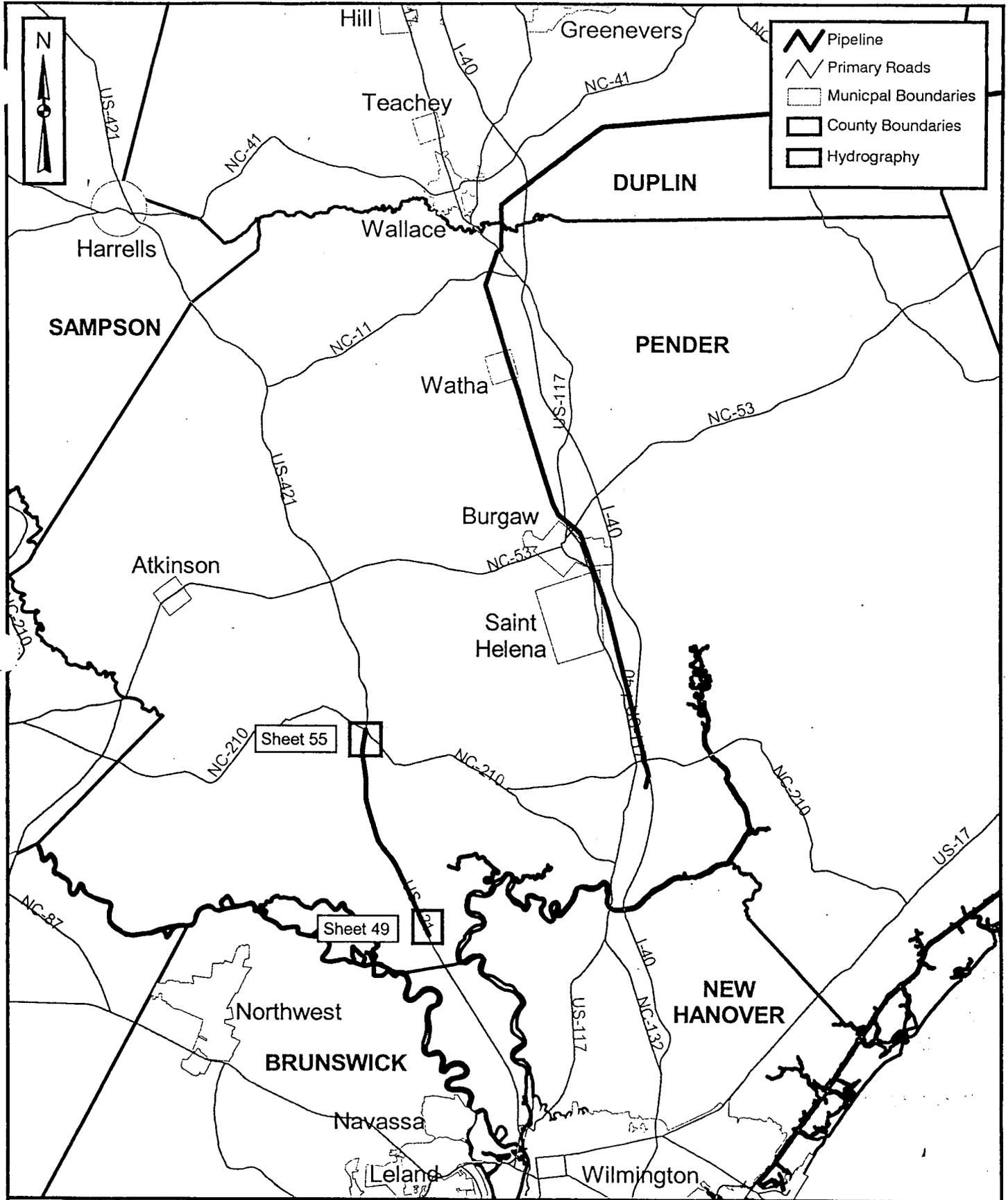


	Pipeline
	Primary Roads
	Municipal Boundaries
	County Boundaries
	Hydrography



Sheets 12 through 30  
Phase 4B Main Line  
Duplin County

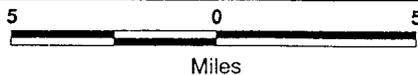
Key
ER01-150.04
July 2003



	Pipeline
	Primary Roads
	Municipal Boundaries
	County Boundaries
	Hydrography



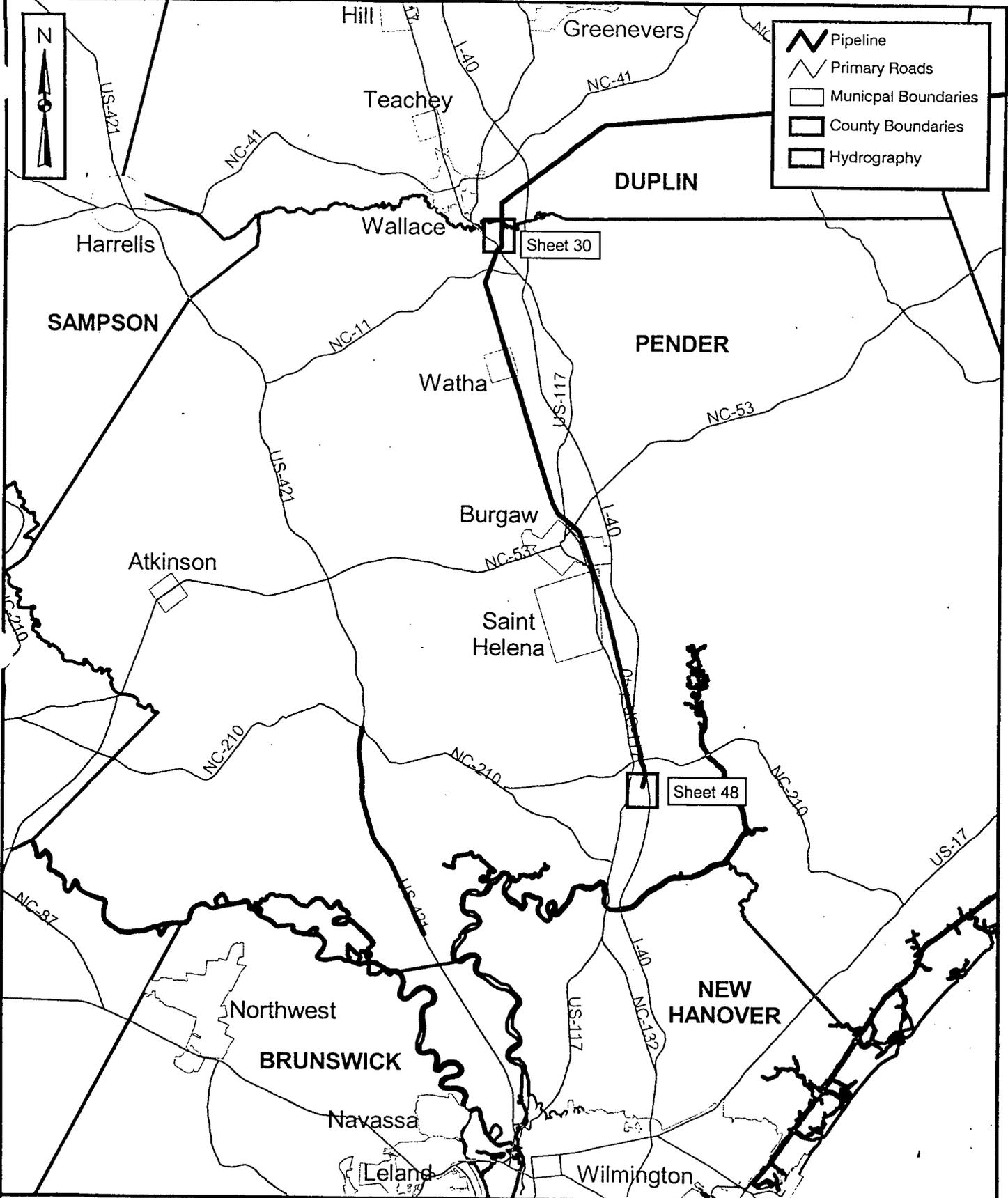
Environmental Services, Inc.



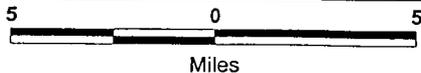
Source: Basin Pro, NC Center for Geographic Information & Analysis

Sheets 49 through 55  
Phase 4B Extension  
10 Inch Pipeline  
Pender County

Key
ER01-150.04
July 2003



Environmental  
Services, Inc.



Source: Basin Pro, NC Center for  
Geographic Information & Analysis

Sheets 30 through 48  
Phase 4b Main Line  
Pender County

Key

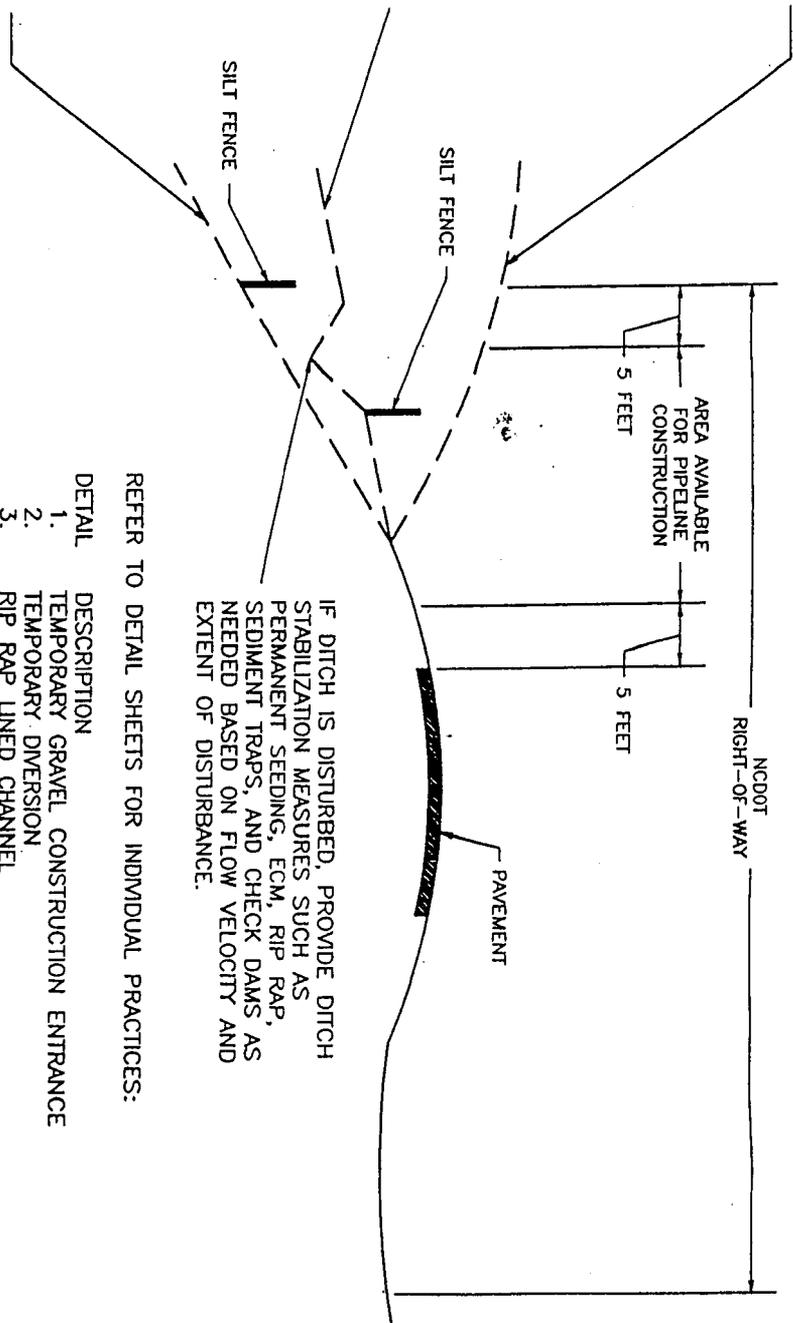
ER01-150.04

July 2003

IF GROUND SLOPES TOWARD ROADSIDE DITCH OR IS LEVEL, NO SILT FENCE IS NEEDED UNLESS ADJACENT TO A.E.C. PROVIDE CHECK DAMS OR SEDIMENT TRAPS IN DITCH. APPLY PERMANENT SEEDING TO ALL DISTURBED AREAS. IF SLOPE IS STEEPER THAN 2H:1V, PROVIDE ECM ON DISTURBED PORTION OF SLOPE.

IF GROUND SLOPES AWAY FROM ROAD, THERE IS A DITCH, AND CONSTRUCTION WILL TAKE PLACE BETWEEN ROAD AND DITCH, PROVIDE SILT FENCE AT EDGE OF DITCH OR AREA OF DISTURBANCE. IF IT IS NOT POSSIBLE TO INSTALL A SILT FENCE, PROVIDE CHECK DAMS OR SEDIMENT TRAPS IN DITCH. APPLY PERMANENT SEEDING TO ALL DISTURBED AREAS. IF SLOPE IS STEEPER THAN 2H:1V, PROVIDE ECM ON DISTURBED PORTION OF SLOPE.

IF GROUND SLOPES AWAY FROM ROAD AND THERE IS NO DITCH, PROVIDE SILT FENCE AT EDGE OF RIGHT-OF-WAY OR AREA OF DISTURBANCE. APPLY PERMANENT SEEDING TO ALL DISTURBED AREAS. IF SLOPE IS STEEPER THAN 2H:1V, PROVIDE ECM ON DISTURBED PORTION OF SLOPE.

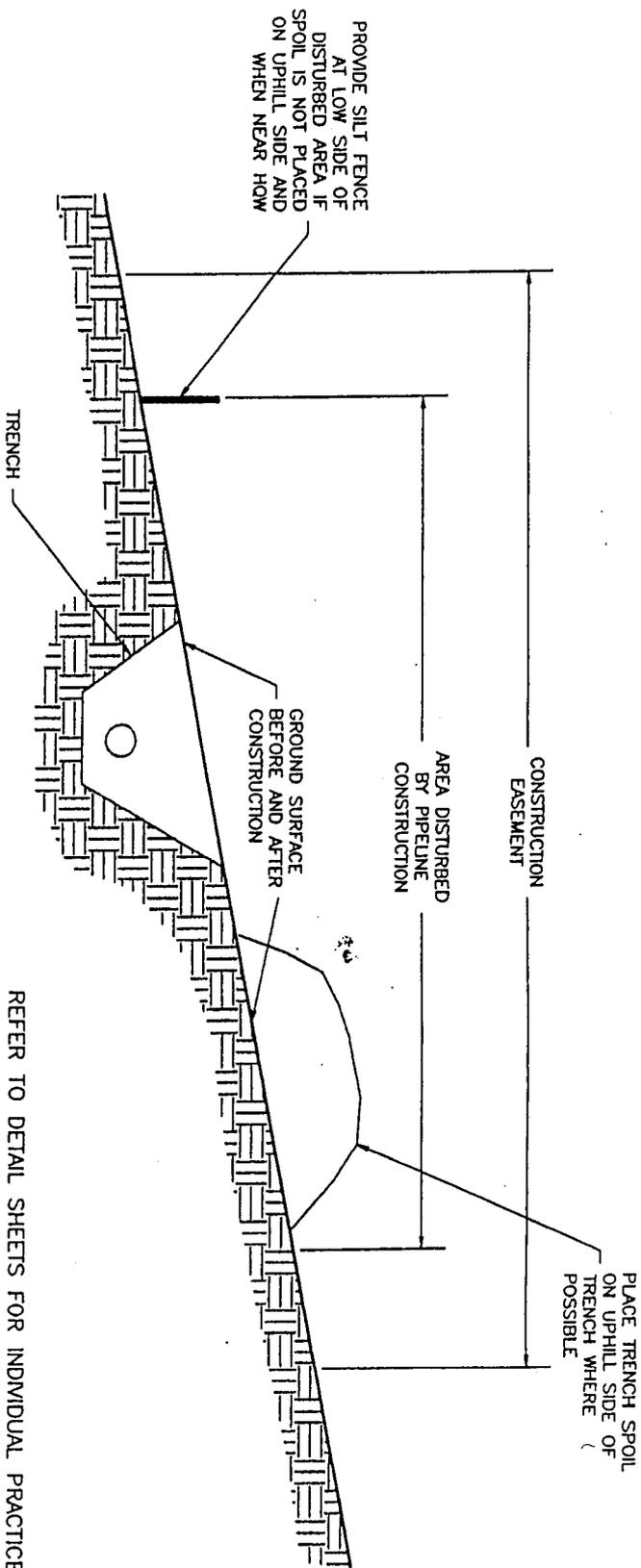


REFER TO DETAIL SHEETS FOR INDIVIDUAL PRACTICES:

- | DETAIL | DESCRIPTION                                     |
|--------|---|
| 1.     | TEMPORARY GRAVEL CONSTRUCTION ENTRANCE          |
| 2.     | TEMPORARY DIVERSION                             |
| 3.     | RIP RAP LINED CHANNEL                           |
| 4.     | GRASS AND EROSION CONTROL MATTING LINED CHANNEL |
| 5.     | EROSION CONTROL MATTING                         |
| 6.     | BLOCK AND GRAVEL DROP INLET PROTECTION          |
| 7.     | BLOCK AND GRAVEL CURB INLET PROTECTION          |
| 8.     | TEMPORARY SEDIMENT TRAP                         |
| 9.     | SILT FENCE                                      |
| 10.    | CHECK DAM                                       |

NOT TO SCALE

<b>Easternnc</b>	
EDDY ENGINEERING, P.C.	
100 N. PLANTATION LANE, STANFORD, NC 28080-1724, USA	
NATURAL GAS SYSTEM PROJECT	TYPICAL RIGHT-OF-WAY CROSS SECTION
EEPC PROJ. 2001-028-3A	NOV. 2002
	FIGURE 1

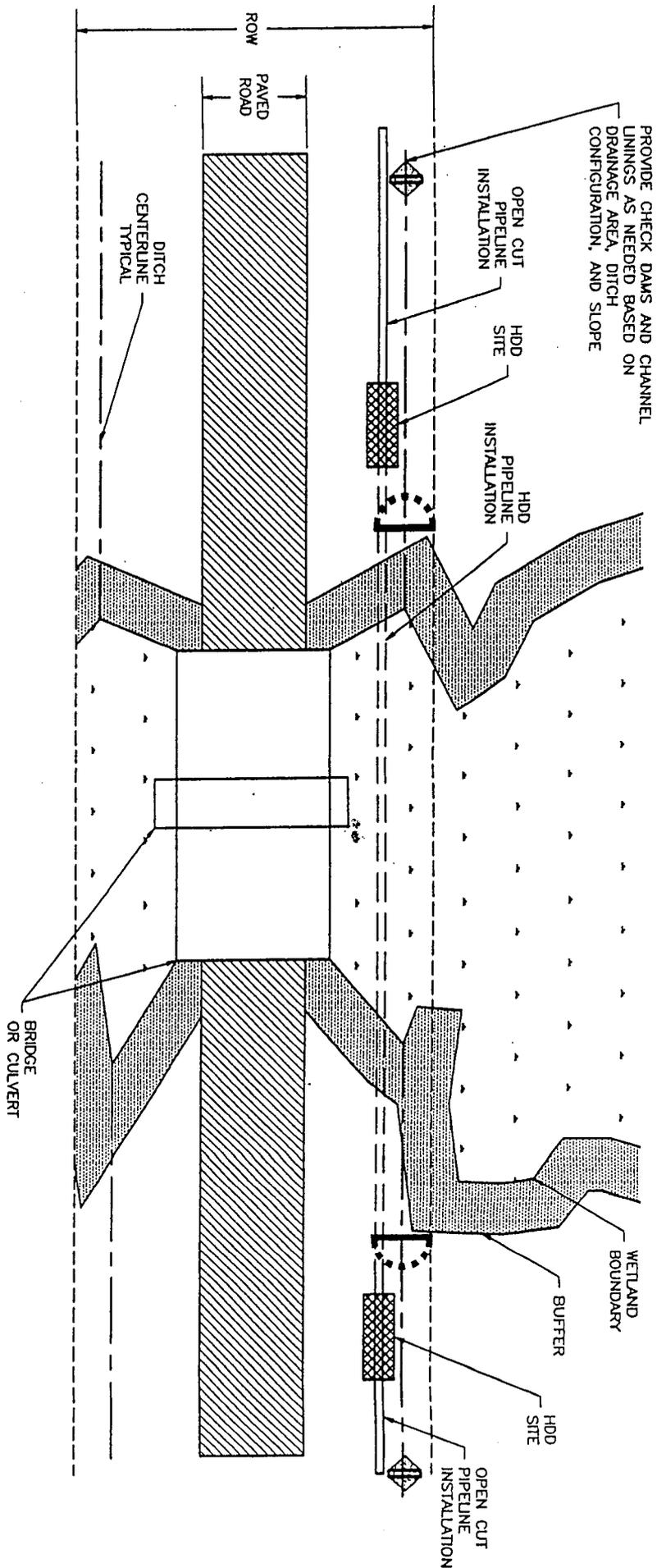


REFER TO DETAIL SHEETS FOR INDIVIDUAL PRACTICES:

- | DETAIL | DESCRIPTION                                     |
|--------|---|
| 1.     | TEMPORARY GRAVEL CONSTRUCTION ENTRANCE          |
| 2.     | TEMPORARY DIVERSION                             |
| 3.     | RIP RAP LINED CHANNEL                           |
| 4.     | GRASS AND EROSION CONTROL MATTING LINED CHANNEL |
| 5.     | EROSION CONTROL MATTING                         |
| 6.     | BLOCK AND GRAVEL DROP INLET PROTECTION          |
| 7.     | BLOCK AND GRAVEL CURB INLET PROTECTION          |
| 8.     | TEMPORARY SEDIMENT TRAP                         |
| 9.     | SILT FENCE                                      |
| 10.    | CHECK DAM                                       |

NOT TO SCALE

<b>EasternNC</b>		NATURAL GAS SYSTEM PROJECT	TYPICAL CROSS COUNTRY CROSS SECTION
<b>EDDY ENGINEERING, P.C.</b>		EEPC PROJ. 2001-028-3A	NOV. 2002
<small>202 N. PLANTATION LANE, STAMFORD, NC 28083-1181</small>			FIGURE 2



PROVIDE CHECK DAMS AND CHANNEL LININGS AS NEEDED BASED ON DRAINAGE AREA, DITCH CONFIGURATION, AND SLOPE

REFER TO DETAIL SHEETS FOR INDIVIDUAL PRACTICES:

- DETAIL DESCRIPTION**
1. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
  2. TEMPORARY DIVERSION
  3. RIP RAP LINED CHANNEL
  4. GRASS AND EROSION CONTROL MATTING LINED CHANNEL
  5. EROSION CONTROL MATTING
  6. BLOCK AND GRAVEL DROP INLET PROTECTION
  7. BLOCK AND GRAVEL CURB INLET PROTECTION
  8. TEMPORARY SEDIMENT TRAP
  9. SILT FENCE
  10. CHECK DAM

**LEGEND**

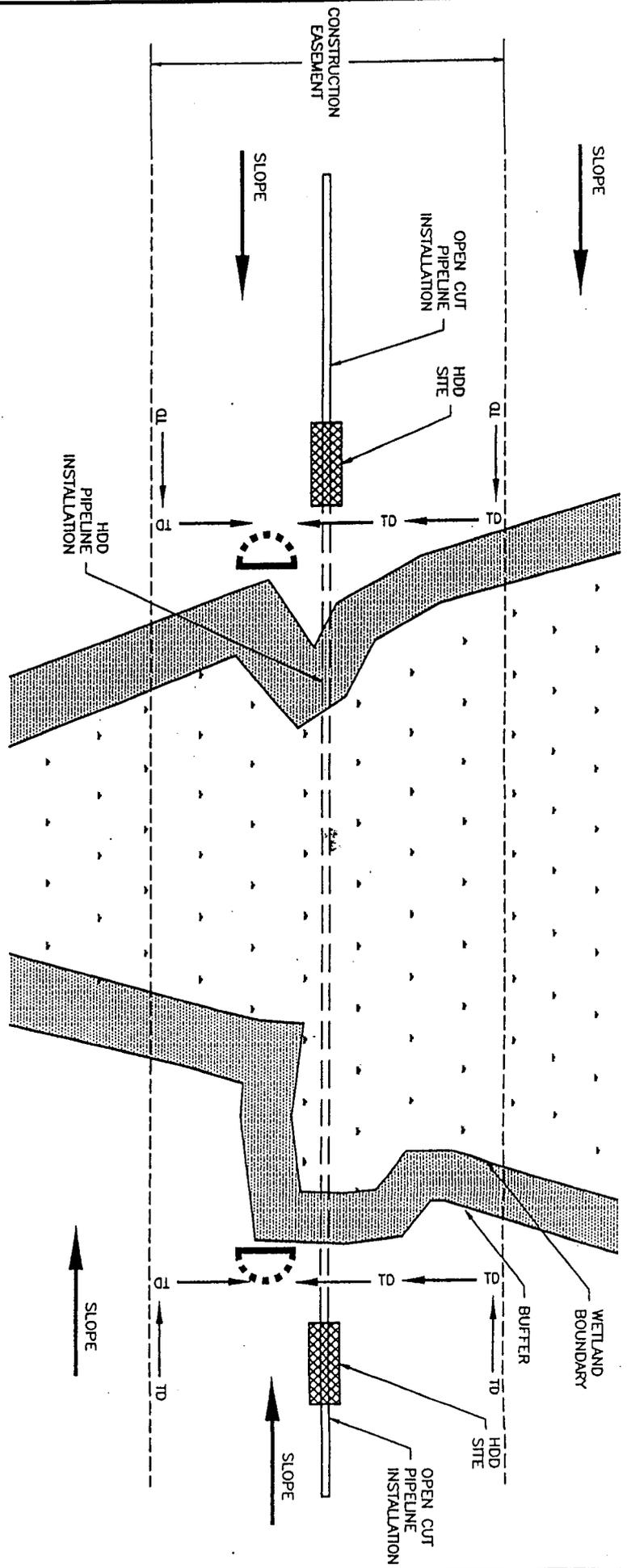


NOT TO SCALE

<b>Easternc</b> ENGINEERING, P.C. <small>281 N. ALANTOWN LANE, STANFORD, NC 28384 (719) 324-1181</small>	NATURAL GAS SYSTEM PROJECT	ROW STREAM OR WETLAND CROSSING
	EEPc PROJ. 2001-028-3A	NOV. 2002

REFER TO DETAIL SHEETS FOR INDIVIDUAL PRACTICES:

- DETAIL DESCRIPTION
1. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
  2. TEMPORARY DIVERSION
  3. RIP RAP LINED CHANNEL
  4. GRASS AND EROSION CONTROL MATTING LINED CHANNEL
  5. EROSION CONTROL MATTING
  6. BLOCK AND GRAVEL DROP INLET PROTECTION
  7. TEMPORARY SEDIMENT TRAP
  8. TEMPORARY CURB INLET PROTECTION
  9. SILT FENCE
  10. CHECK DAM



LEGEND

→ TD TEMPORARY DIVERSION

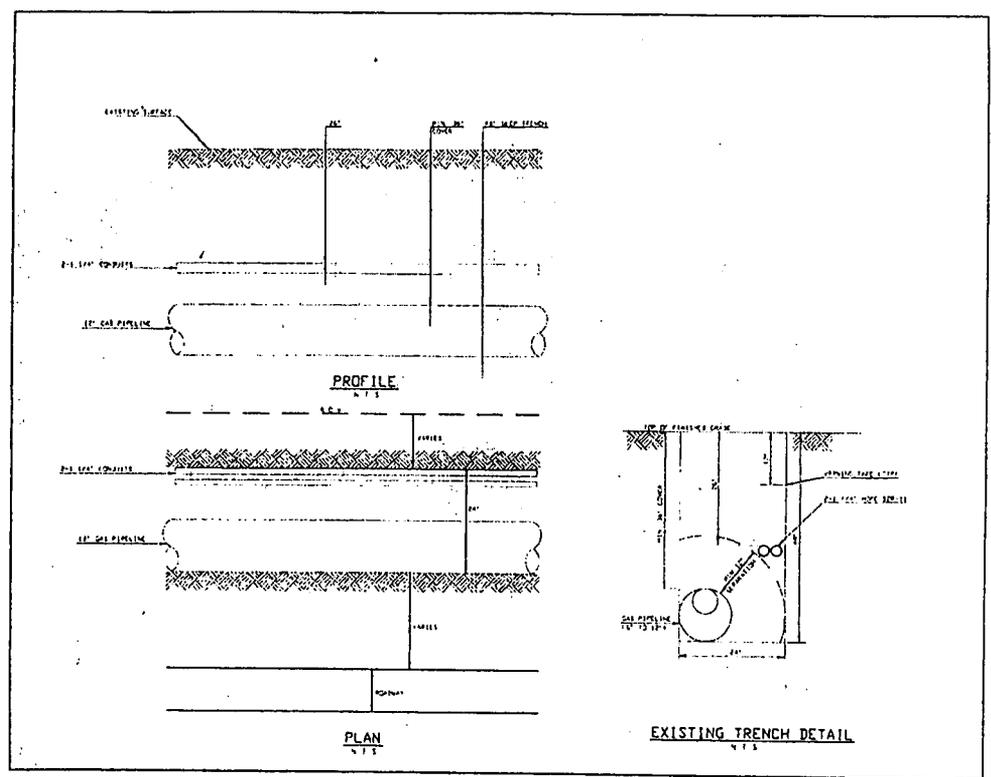
⌒ TEMPORARY SEDIMENT TRAP

NOT TO SCALE

<p><b>Esternc</b>  <small>Engineering and Construction Services</small>  <b>EDDY ENGINEERING, P.C.</b>  <small>301 N. PLANTATION LANE, STANFORD, NC 28080 (704) 725-1382</small></p>	NATURAL GAS SYSTEM PROJECT	CROSS COUNTRY STREAM OR WETLAND CROSSING
	EEPC PROJ. 2001-028-3A	NOV. 2002

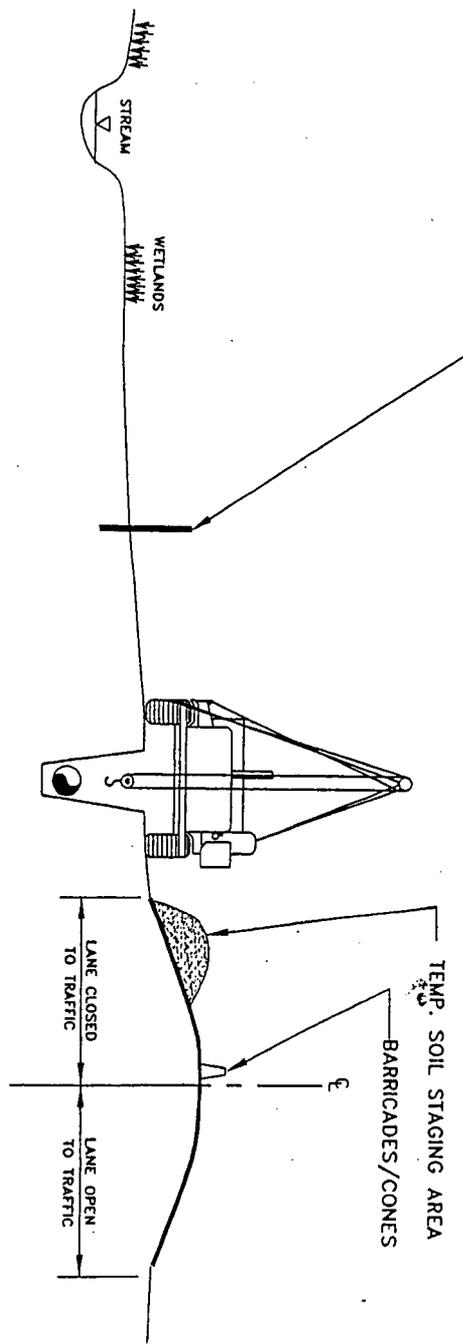
Eastern North Carolina Natural Gas Phase 4B  
 Pipeline and APEC Fiber Optic Conduit

Typical Plan and Profile of Attachment of Conduit to the Pipeline



THIS REPRESENTS THE WORST-CASE SCENARIO BASED ON NCDOT COMMENTS. TYPICALLY, THE PIPELINE WILL BE WITHIN FIVE (5) FEET OF THE OUTER RIGHT-OF-WAY BOUNDARY.

NOTE: PROVIDE SILT FENCE ALONG TRENCH WHEN ADJACENT TO AREA OF ENVIRONMENTAL CONCERN



**TRENCH CROSS SECTION 'D'**  
NOT TO SCALE

**PRELIMINARY  
NOT FOR CONSTRUCTION  
DRAFT**

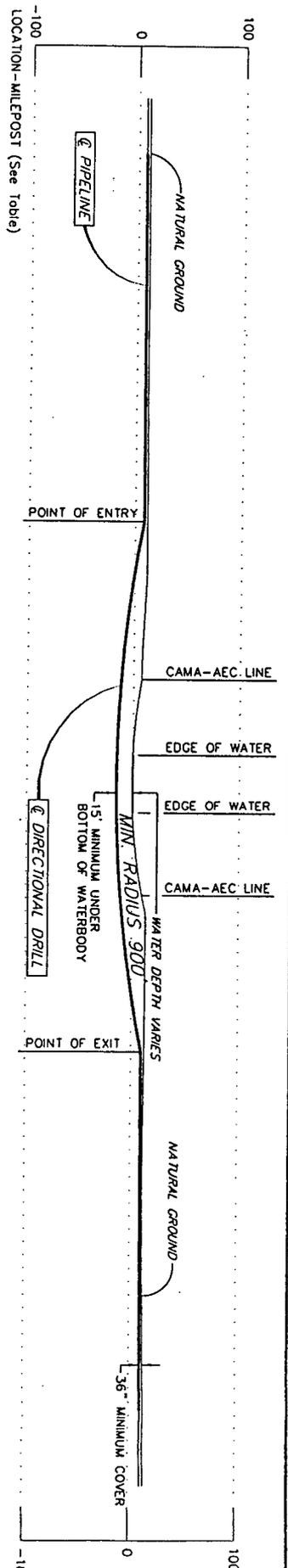
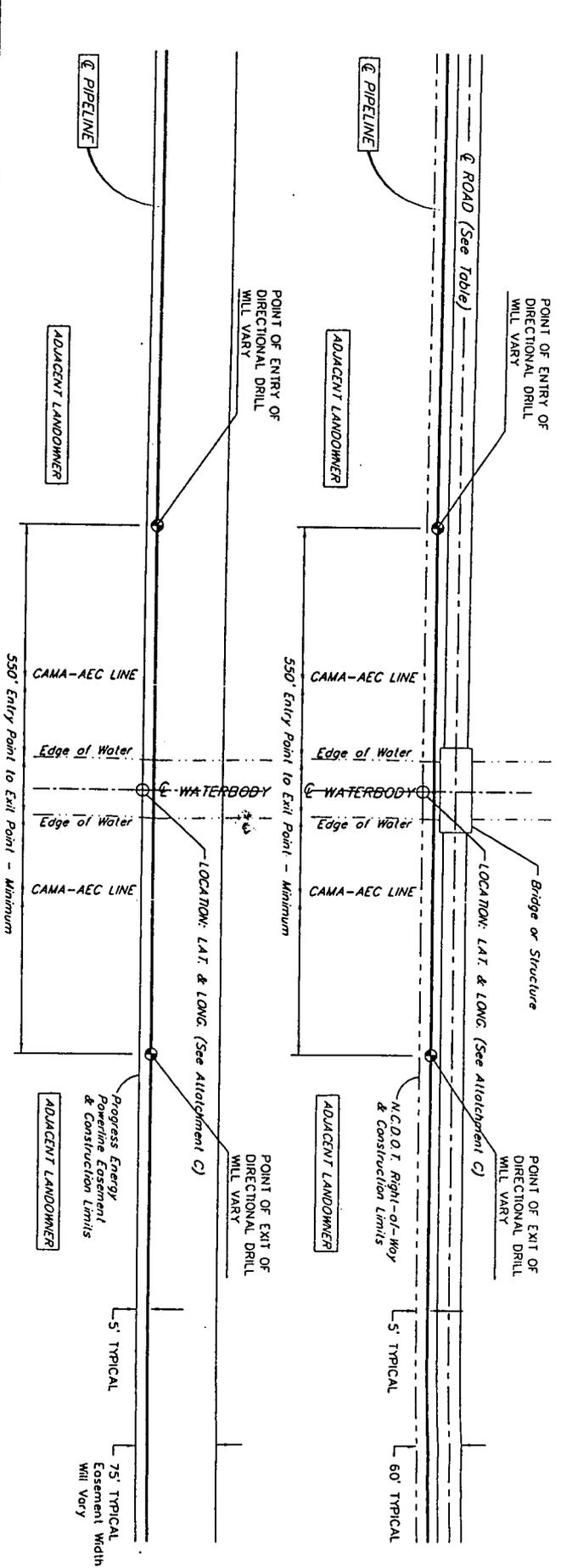
<b>ENSR</b>		7041 OLD WAKE FOREST ROAD SUITE 103	
CONSULTING AND ENGINEERING DIVISION, INC.		RALEIGH, NC 27616	
NCDOT TRENCH CROSS SECTION			
DATE:	06/28/01	SCALE:	NTS
DRAWN BY:	TDF	CHECKED BY:	
PROJECT NUMBER:	09417-232	DRAWING NO.:	G10152B
		SHEET NO.:	E-4

# ON SLOW COUNTY, NORTH CAROLINA

**NCDOT PLAN**  
SCALE: 1"=100'

**PROGRESS ENERGY PLAN**  
SCALE: 1"=100'

**PROFILE**  
SCALE: 1"=100' HORIZ. & VERT.



REFERENCE DRAWINGS		REVISIONS		SCALE: 1"=100'	
NO.	DESCRIPTION	NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR CAMA-AEC PERMIT	1	REVISED & ISSUED FOR CONSTRUCTION	02/23/02	...
MATERIAL SUMMARY		DATE: 02/23/02		DATE: 02/23/02	
DESCRIPTION		DATE: 02/23/02		DATE: 02/23/02	
NO.		DATE: 02/23/02		DATE: 02/23/02	
QTY.		DATE: 02/23/02		DATE: 02/23/02	

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR CAMA-AEC PERMIT	02/23/02	...
1	REVISED & ISSUED FOR CONSTRUCTION	02/23/02	...

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR CAMA-AEC PERMIT	02/23/02	...
1	REVISED & ISSUED FOR CONSTRUCTION	02/23/02	...

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR CAMA-AEC PERMIT	02/23/02	...
1	REVISED & ISSUED FOR CONSTRUCTION	02/23/02	...

**Eastern**

410 S. WASHINGTON STREET  
RALEIGH, NC 27602-1551  
TEL: (919) 546-4400 FAX: (919) 546-4400

WATER CROSSING DETAIL  
TYPICAL SECONDARY WATERBOD Y CROSSING  
ENCLOSING NATURAL GAS SYSTEM PROJECT  
PHASE IWB LINE EXTENSION & APC FIBER OPTIC PROJECT

