

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

Action ID No. 200530510

December 6, 2004

**PUBLIC NOTICE**

The North Carolina Department of Transportation, ATTN: Dr. Gregory J. Thorpe, Director, Project Development and Environmental Analysis Branch, 1548 Mail Service Center, Raleigh, North Carolina 27699-1548 has applied for a Department of the Army (DA) permit TO DISCHARGE DREDGED OR FILL MATERIAL INTO .29 ACRES OF WETLAND AND 3136 LINEAR FEET OF STREAM CHANNEL IN THE WATERS AND ADJACENT WETLANDS OF UNNAMED TRIBUTARIES TO LITHIA BRANCH AND MUDDY CREEK TO FACILITATE THE RELOCATION OF 2.2 MILES OF NC HIGHWAY 150 BETWEEN US HIGHWAY 321 BUSINESS AND US HIGHWAY 321 BYPASS SOUTH OF LINCOLNTON, LINCOLN COUNTY, NORTH CAROLINA (TIP NO. R-0617 C, STATE PROJECT NO. 8.1830402).

The following description of the work is taken from data provided by the applicant and from observations made during an onsite visit by a representative of the Corps of Engineers. Plans submitted with the application show the proposed construction of a new, controlled access, four-lane road with a 46-foot grassed median from a point west of the intersection of NC Highway 150 and US Highway 321 Business to US Highway 321 Bypass between SR 1300 (Smith Farm Road) and SR 1301 (Janice Road). The proposed right-of-way width varies with the terrain but averages between 220 to 240 feet. The proposed roadway crosses one unnamed tributary to Lithia Branch as well as three unnamed tributaries to Muddy Creek. Both of these streams flow into South Fork Catawba River. A total of .29 acres of riverine wetland and 3136 linear feet of stream channel would be impacted by culvert installation, channel realignment and road fill at the five crossings on Section C. Streams are both intermittent (Sites 2 and 3) and perennial (Sites 1, 4 and 5), are first order channels and range from approximately 2 feet to 6 feet in width. Individual channel impacts range from 269 feet at Site 3 on an intermittent, unnamed tributary to Muddy Creek where a 30-inch diameter concrete pipe would be installed to 2,096 feet at Site 1 on a perennial, unnamed tributary to Lithia Branch where approximately 580 feet of 60-inch diameter concrete pipe would be installed and 1516 feet of channel would be relocated to the north of the new roadway. The relocated channel would be constructed utilizing natural stream channel design techniques and would have a permanent stream buffer of approximately 160 to 170 feet wide. Four small riverine wetlands totaling 0.29 acres in size would also be impacted by road fill at Site 1. These are forested and scrub shrub wetlands vegetated with sweet gum, tulip poplar, black willow, alder, swamp dogwood and Chinese privet. A diamond-type interchange with US Highway 321 Bypass would be constructed at the east end of the project. Impacts to Muddy Creek and adjacent wetlands from this interchange would be avoided by the construction of three bridges over the creek.

The project as a whole would impact .29 acres of wetland, 387 linear feet of intermittent stream channel without important biological function and 2,749 linear feet of perennial stream channel. Onsite channel relocations are proposed at Sites 1 and 4 totaling 1605 linear feet. The applicant is proposing to mitigate for the remaining 1144 linear feet of stream loss and all wetland impacts by utilizing the North Carolina Ecosystem Enhancement Program (EEP). Wetland mitigation would occur within the Southern Piedmont Eco-region with stream mitigation occurring in the South Fork Catawba River Basin, Hydrologic Unit 03050102. A Federal Environmental Assessment (EA) for the proposed work was approved by the Federal Highway Administration (FHWA) on July 12, 1993. A Finding of No Significant Impact was signed by the FHWA on January 31, 1994. An Indirect and Cumulative Effect Assessment was completed for this project on February 6, 2003. The purpose of the proposed work is to improve safety and traffic capacity, correct roadway deficiencies and provide an improved transportation corridor between Cherryville in northwest Gaston County and the Lincolnton Area. A previous Department of the Army permit, Action ID 200231330, was issued on October 1, 2003 and authorized construction of Section BA of this project (R-0617). Plans showing the proposed work are included with this public notice.

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 Department of Environment and Natural Resources (NCDENR) 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). Any person may request, in writing within the comment period specified in this 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 worksite 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, prehistorical, or historical data may be lost or destroyed by work under the requested permit.

The applicant has prepared a Biological Assessment (BA) under Section 7 of the Endangered Species Act of 1973 which determined that the proposed work is likely to adversely affect a population of dwarf-flowered heartleaf found along the road alignment. The FHWA has provided this BA to the US Fish and Wildlife Service requesting formal consultation. The District Engineer, based on available information, is not aware that the proposed activity will affect any other species, or their critical habitat, designated as endangered or threatened pursuant to the Endangered Species Act of 1973.

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 that 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 that 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 that 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 Agency's 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, including secondary and cumulative 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.

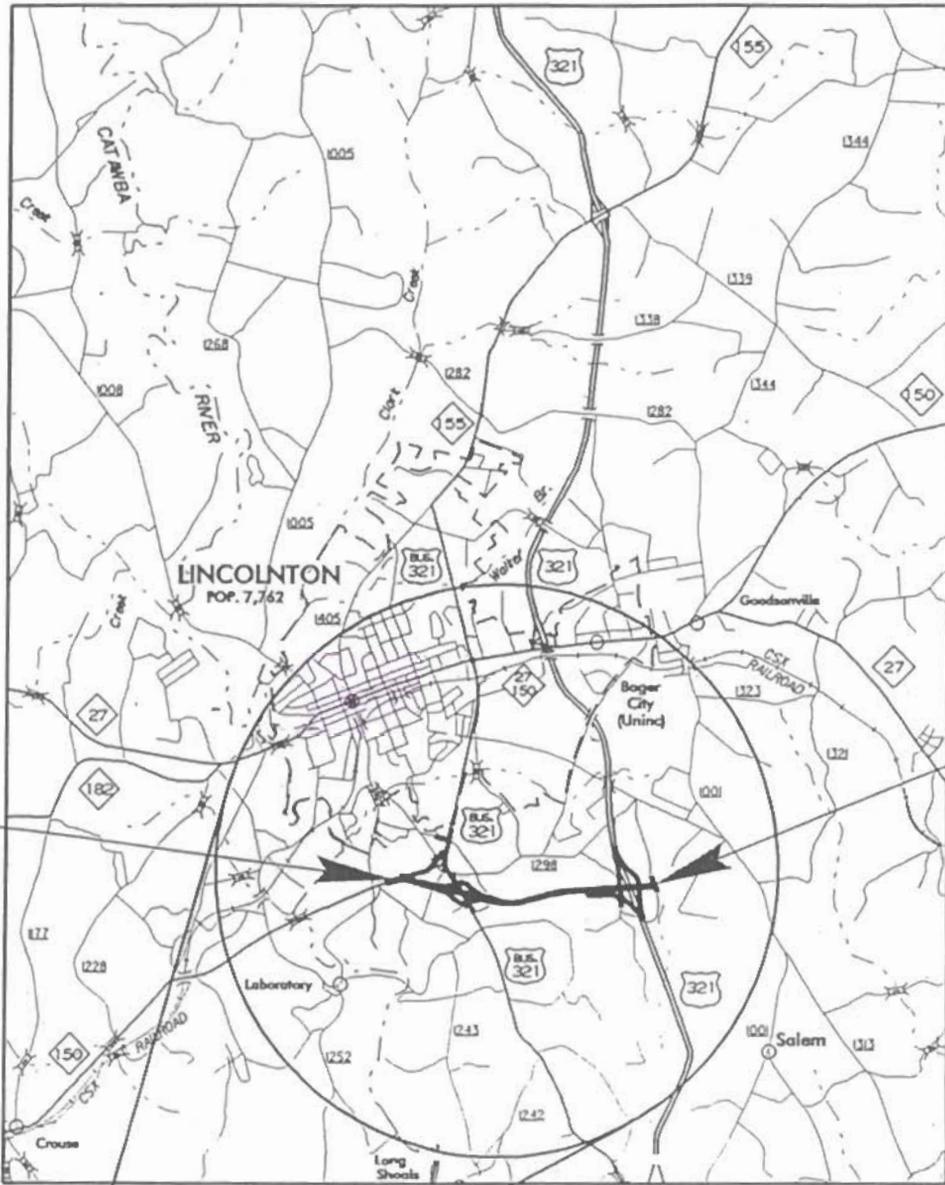
Generally, the decision whether to issue this Department of the Army (DA) permit will not be made until the North Carolina Division of Water Quality (NCDWQ) issues, denies, or waives State certification required by Section 401 of the Clean Water Act. The NCDWQ considers whether or not the proposed activity will comply with Sections 301, 302, 306 and 307 of the Clean Water Act. The application and this public notice for the 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 401 Wetlands Certification Unit, North Carolina Division of Water Quality (NCDWQ), 2321 Crabtree Blvd., Raleigh, North Carolina 27604. Copies of such materials will be furnished to any person requesting copies upon payment of reproduction costs.

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 Wetlands Section, 1621 Mail Service Center, Raleigh, North Carolina 27626-0621, on or before December 23, 2004, Attention: Mr. John Hennessy.

Written comments pertinent to the proposed work, as outlined above, will be received in this office, Attention: Mr. Steven Lund, until 4:15 p.m., January 6, 2005, or telephone (828) 271-7980.

# VICINITY MAP



BEGIN PROJECT

END PROJECT

SITE

PUBLIC NOTICE SHEET 1 OF 19

NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.1830402 (R-0617C)  
NC 150 FROM US 321  
IN LINCOLNTON  
TO US 321 BYPASS



DATE: 04-07-04

NOT TO SCALE

SHEET 1 OF 35



# LEGEND

—WLB— WETLAND BOUNDARY

 WETLAND

 DENOTES FILL IN WETLAND

 DENOTES FILL IN SURFACE WATER

 DENOTES FILL IN SURFACE WATER (POND)

 DENOTES TEMPORARY FILL IN WETLAND

 DENOTES EXCAVATION IN WETLAND

 DENOTES TEMPORARY FILL IN SURFACE WATER

 DENOTES MECHANIZED CLEARING

— FLOW DIRECTION

—TB— TOP OF BANK

—WE— EDGE OF WATER

—C— PROP. LIMIT OF CUT

—F— PROP. LIMIT OF FILL

▲ PROP. RIGHT OF WAY

—NG— NATURAL GROUND

—PL— PROPERTY LINE

—TDE— TEMP. DRAINAGE EASEMENT

—PDE— PERMANENT DRAINAGE EASEMENT

—EAB— EXIST. ENDANGERED ANIMAL BOUNDARY

—EPB— EXIST. ENDANGERED PLANT BOUNDARY

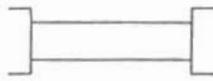
— WATER SURFACE

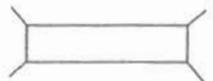
 LIVE STAKES

 BOULDER

— — — COIR FIBER ROLLS

 ADJACENT PROPERTY OWNER OR PARCEL NUMBER

 PROPOSED BRIDGE

 PROPOSED BOX CULVERT

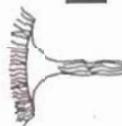
— — — PROPOSED PIPE CULVERT

(DASHED LINES DENOTE EXISTING STRUCTURES)

 SINGLE TREE

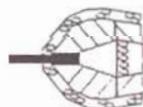
 WOODS LINE

 DRAINAGE INLET

 ROOTWAD

 VANE

 RIP RAP

 RIP RAP ENERGY DISSIPATOR BASIN

— — — BUFFER ZONE

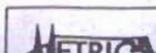
PUBLIC NOTICE SHEET 3 OF 19

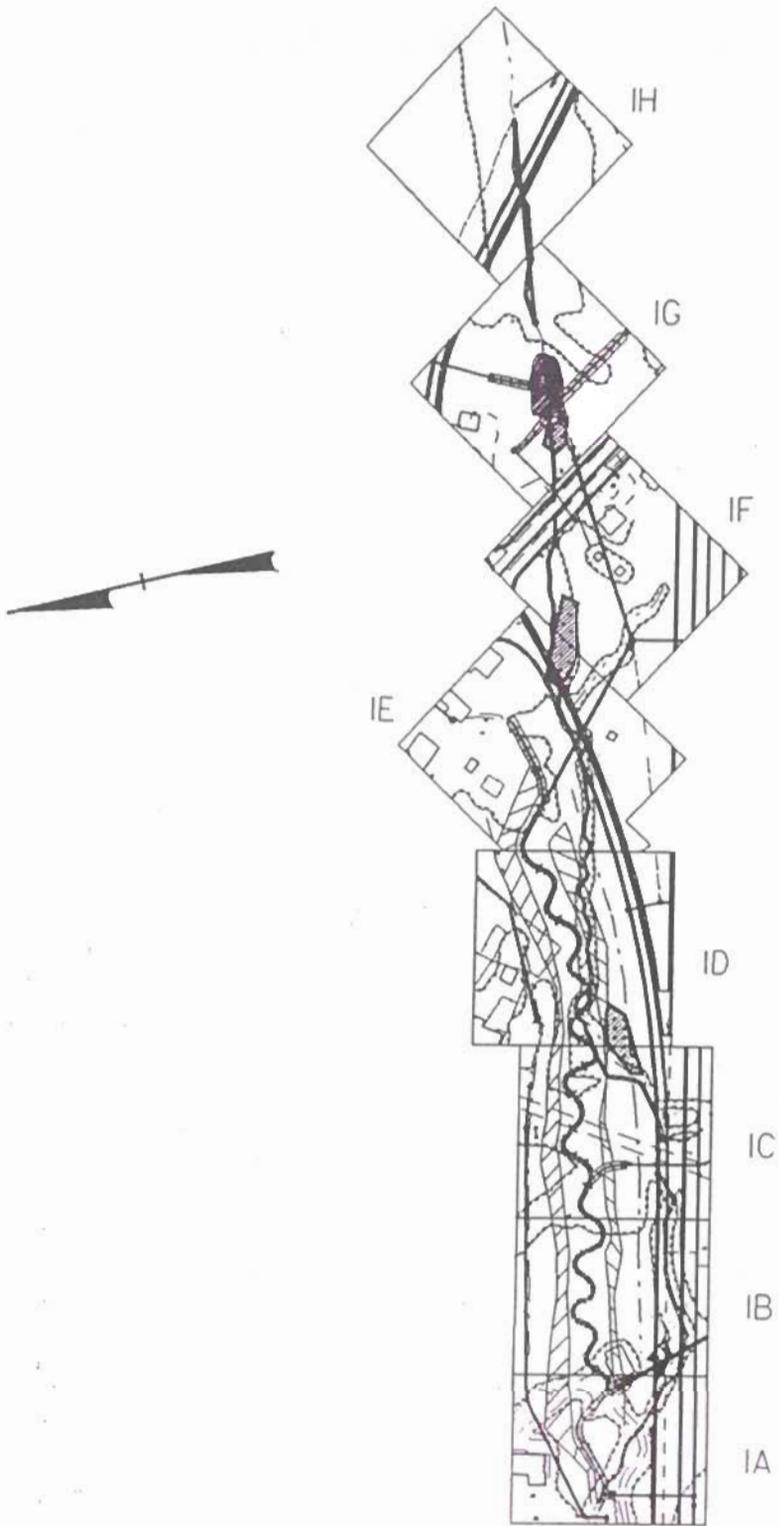
NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.1830402 (R-0617C)

NC 150 FROM US 321  
IN LINCOLNTON

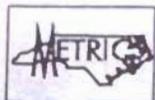
TO US 321 BYPASS 3 of 35





SHEET LAYOUT  
SITE 1

TRIB. TO LITHIA BRANCH



PUBLIC NOTICE SHEET 4 OF 19

NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.1830402 (R-0617C)

NC 150 FROM US 321  
IN LINCOLNTON  
TO US 321 BYPASS

NOT TO SCALE

HOWARD LEE SUMMITT  
AND WIFE  
JEWELL L. SUMMITT

INVERT  
BURIED  
0.30m

SITE 2, SEE SHEET 2A  
FOR IMPACTS

MATCHLINE 1B

2

STREAM-  
STA 10+56

CL 'I' RIP RAP

ROCK  
CROSS  
VANE

TRIB. TO LITHIA  
BRANCH

15+40

THOMAS HOOVER DEAL  
AND WIFE  
CHERRY WATSON DEAL

3

15+00



STREAM-  
STA 10+00

1

THOMAS ANDREW DEAL  
AND WIFE  
VIRGINIA HOOVER DEAL

'V' DITCH W/  
CL. 'B' RIP RAP

400 CSP  
W/2 ELBS

375

375

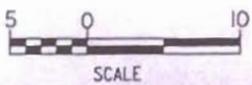
CL. 'B' RIP RAP

# PLAN VIEW SITE 1 (SHEET 1A)

NATURAL CHANNEL  
74m @ Savg = 1.86%  
1.37m BASE W/ BANKS  
STABILIZED THROUGH  
USE OF LIVE STAKES

### LEGEND

 DENOTES FILL IN  
SURFACE WATER



SCALE



NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.J830402 (R-0617C)

NC 150 FROM US 321  
IN LINCOLNTON  
TO US 321 BYPASS

PUBLIC NOTICE SHEET 5 OF 19

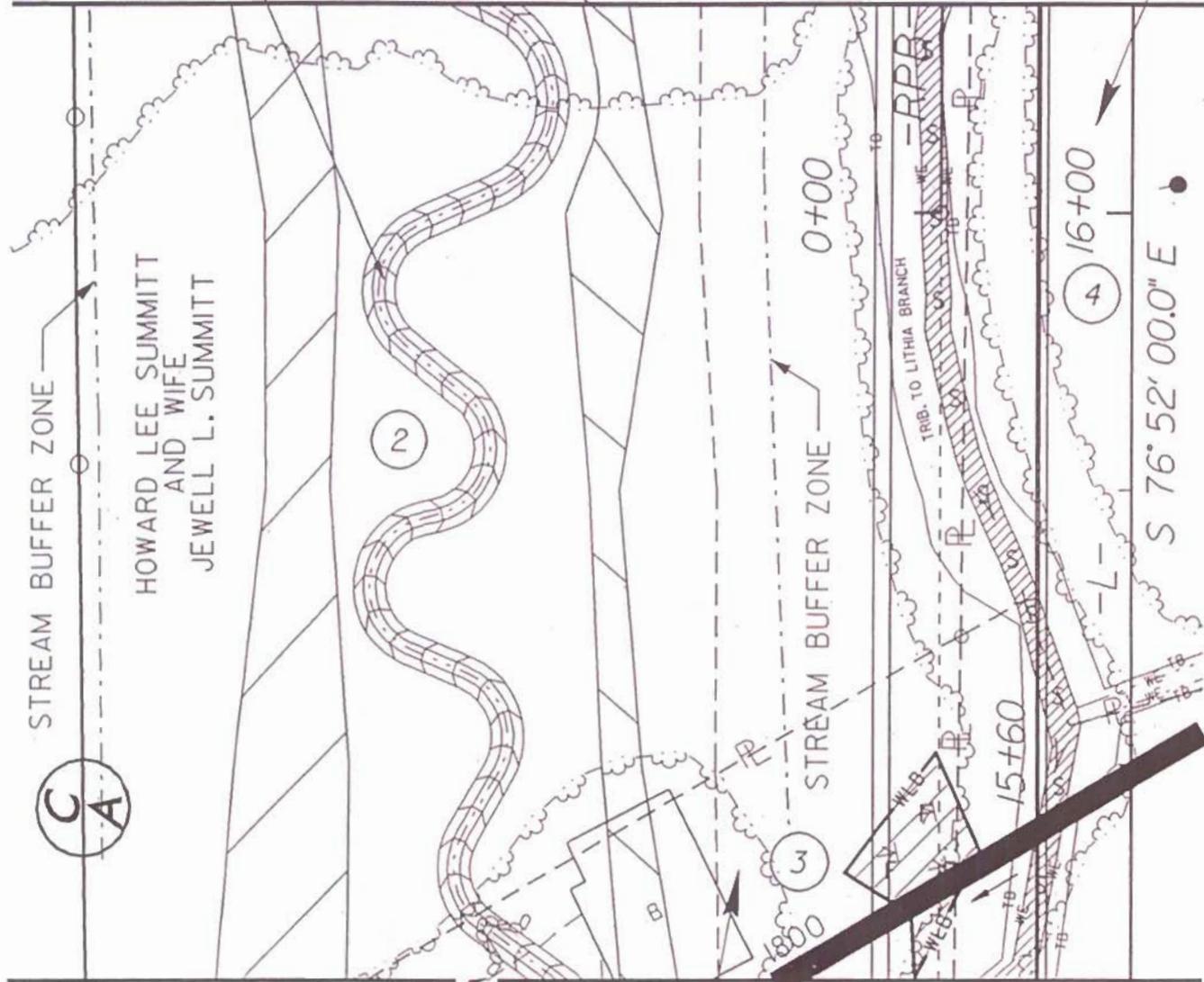
DATE: 09-16-04

SHEET 5 OF 35

NATURAL CHANNEL  
 388m @ Savg = 1.91%  
 0.9m BASE W/ BANKS STABILIZED  
 THROUGH USE OF LIVE STAKES

FRANK HELMS JR. AND WIFE,  
 GERLENE C. HELMS

MATCHLINE IC



SITE 2, SEE SHEET 2A

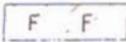
ROCK  
 CROSS  
 VANE

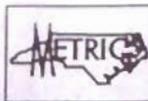
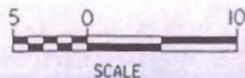
MATCHLINE IA

PLAN VIEW  
 SITE I  
 (SHEET IB)

THOMAS HOOVER DEAL  
 AND WIFE  
 CHERRY WATSON DEAL

LEGEND

- WLB— WETLAND
-  DENOTES FILL IN WETLAND
-  DENOTES SURFACE WATER LOSS



NORTH CAROLINA  
 DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
 8.1830402 (R-0617C)  
 NC 150 FROM US 321  
 IN LINCOLNTON  
 TO US 321 BYPASS

PUBLIC NOTICE SHEET 6 OF 19

DATE: 04-07-04

SHEET 6 OF 35

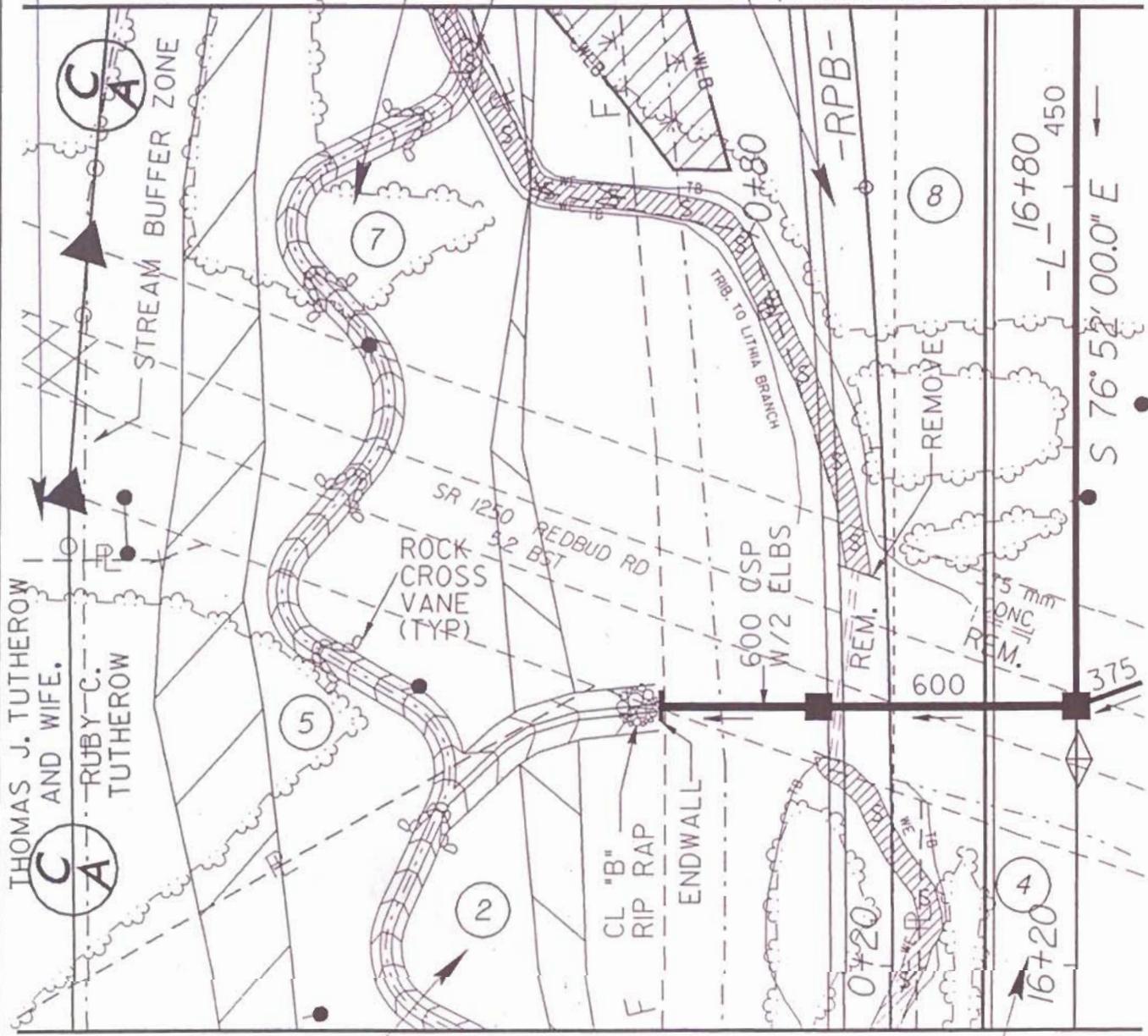
6 RUTHERFORD ELECTRIC MEMBERSHIP CORPORATION

DAVID B. CLARKE AND WIFE, LINDA S. CLARKE

NATURAL CHANNEL 388m @ Savg = 1.91%. 0.9m BASE W/ BANKS STABLIZED THROUGH USE OF LIVE STAKES

CLAUDE S. CARPENTER AND WIFE MINNIE C. CARPENTER

MATCHLINE ID



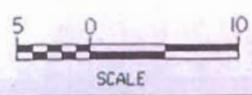
HOWARD LEE SUMMITT AND WIFE JEWELL L. SUMMITT

FRANK HELMS JR. AND WIFE GERLENE C. HELMS

### PLAN VIEW SITE 1 (SHEET 1C)

#### LEGEND

- WLB— WETLAND
- [ F F ] DENOTES FILL IN WETLAND
- [ S S ] DENOTES SURFACE WATER LOSS



NORTH CAROLINA DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY 8.1830402 (R-0617C) NC 150 FROM US 321 IN LINCOLNTON TO US 321 BYPASS

PUBLIC NOTICE SHEET 7 OF 19

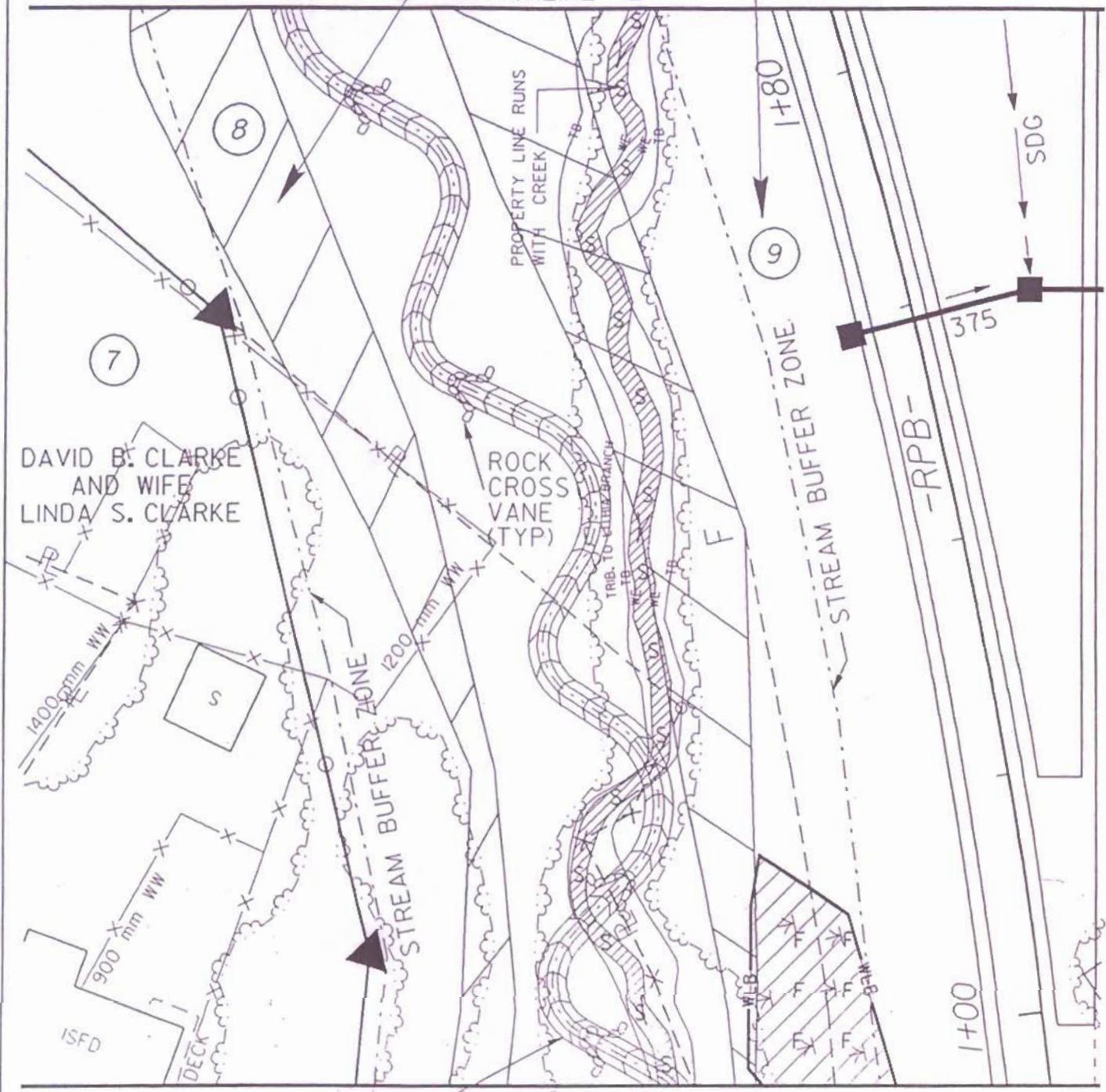
DATE: 04-07-04

SHEET 7 OF 35

CLAUDE S. CARPENTER  
AND WIFE  
MINNIE C. CARPENTER

E.A. HUFFSTETLER  
AND WIFE  
EVA HUFFSTETLER

MATCHLINE IE



NATURAL CHANNEL  
388m @ Savg = 1.91%  
0.9m BASE W/ BANKS STABLIZED  
THROUGH USE OF LIVE STAKES

MATCHLINE IC

LEGEND

- WLB — WETLAND
- [ F F ] DENOTES FILL IN WETLAND
- [ S S ] DENOTES SURFACE WATER LOSS

PLAN VIEW  
SITE I  
(SHEET ID)



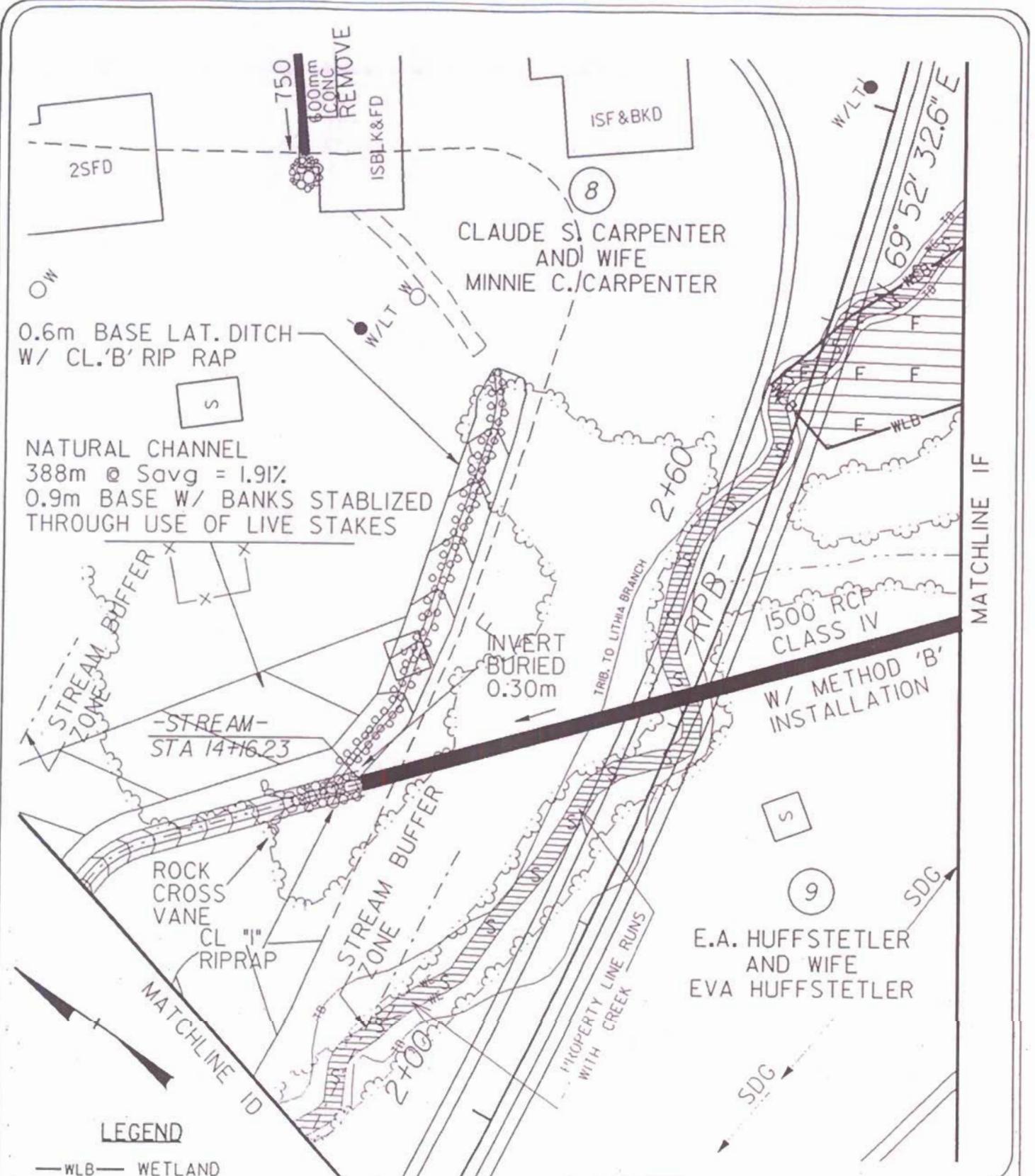
NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.1830402 (R-0617C)  
NC 150 FROM US 321  
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TO US 321 BYPASS

PUBLIC NOTICE SHEET 8 OF 19

DATE: 04-07-04

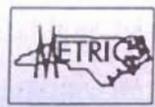
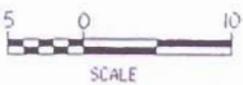
SHEET 8 OF 35



PLAN VIEW  
 SITE I  
 (SHEET 1E)

LEGEND

- WLB — WETLAND
- [ F F ] DENOTES FILL IN WETLAND
- [ S S ] DENOTES SURFACE WATER LOSS



NORTH CAROLINA  
 DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
 8.1830402 (R-0617C)  
 NC 150 FROM US 321  
 IN LINCOLNTON  
 TO US 321 BYPASS

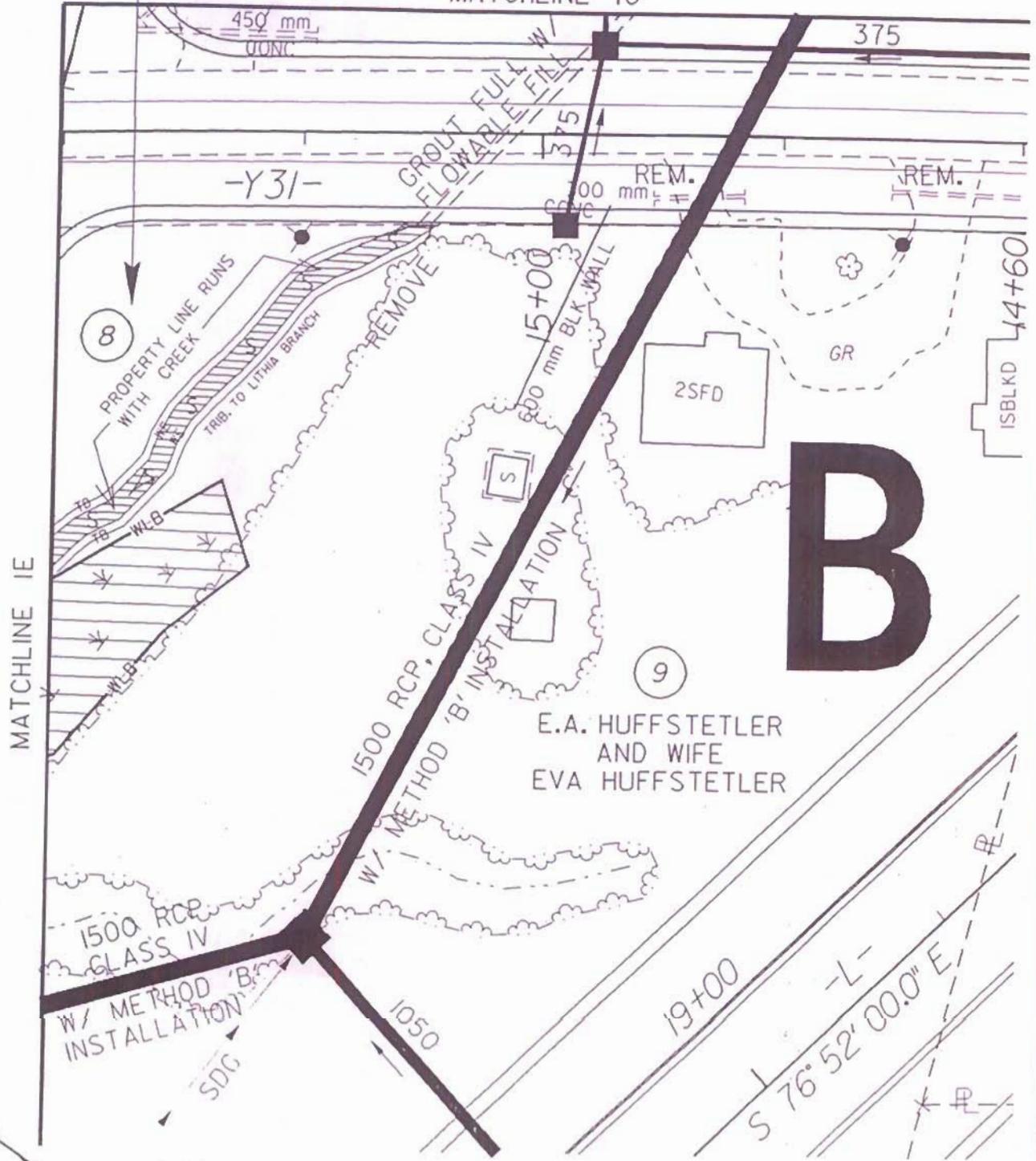
PUBLIC NOTICE SHEET 9 OF 19

DATE: 04-07-04

SHEET 9 OF 35

CLAUDE S. CARPENTER  
AND WIFE  
MINNIE C. CARPENTER

MATCHLINE 1G



MATCHLINE 1E

ISBLKD 14+60

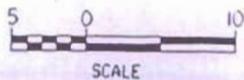
**B**

E.A. HUFFSTETLER  
AND WIFE  
EVA HUFFSTETLER

PLAN VIEW  
SITE 1  
(SHEET 1F)

LEGEND

- WLB — WETLAND
- F F DENOTES FILL IN WETLAND
- S S DENOTES SURFACE WATER LOSS



NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

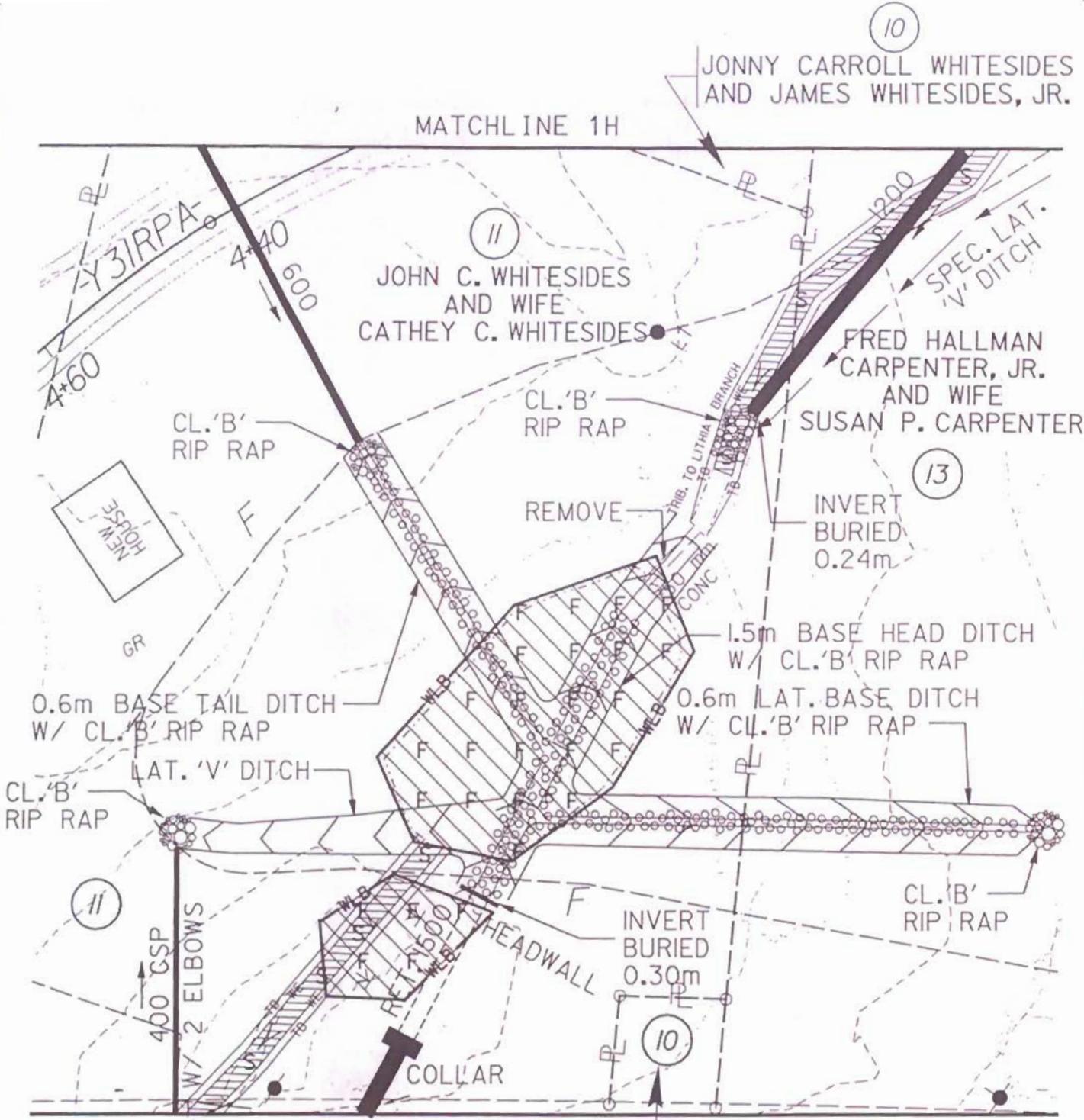
LINCOLN COUNTY  
8.1830402 (R-0617C)

NC 150 FROM US 321  
IN LINCOLNTON  
TO US 321 BYPASS

PUBLIC NOTICE SHEET 10 OF 19

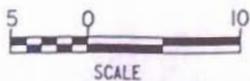
DATE: 04-07-04

SHEET 10 OF 35



**LEGEND**

- WLB— WETLAND
- DENOTES FILL IN WETLAND
- DENOTES SURFACE WATER LOSS



**PLAN VIEW  
SITE 1  
(SHEET 1G)**

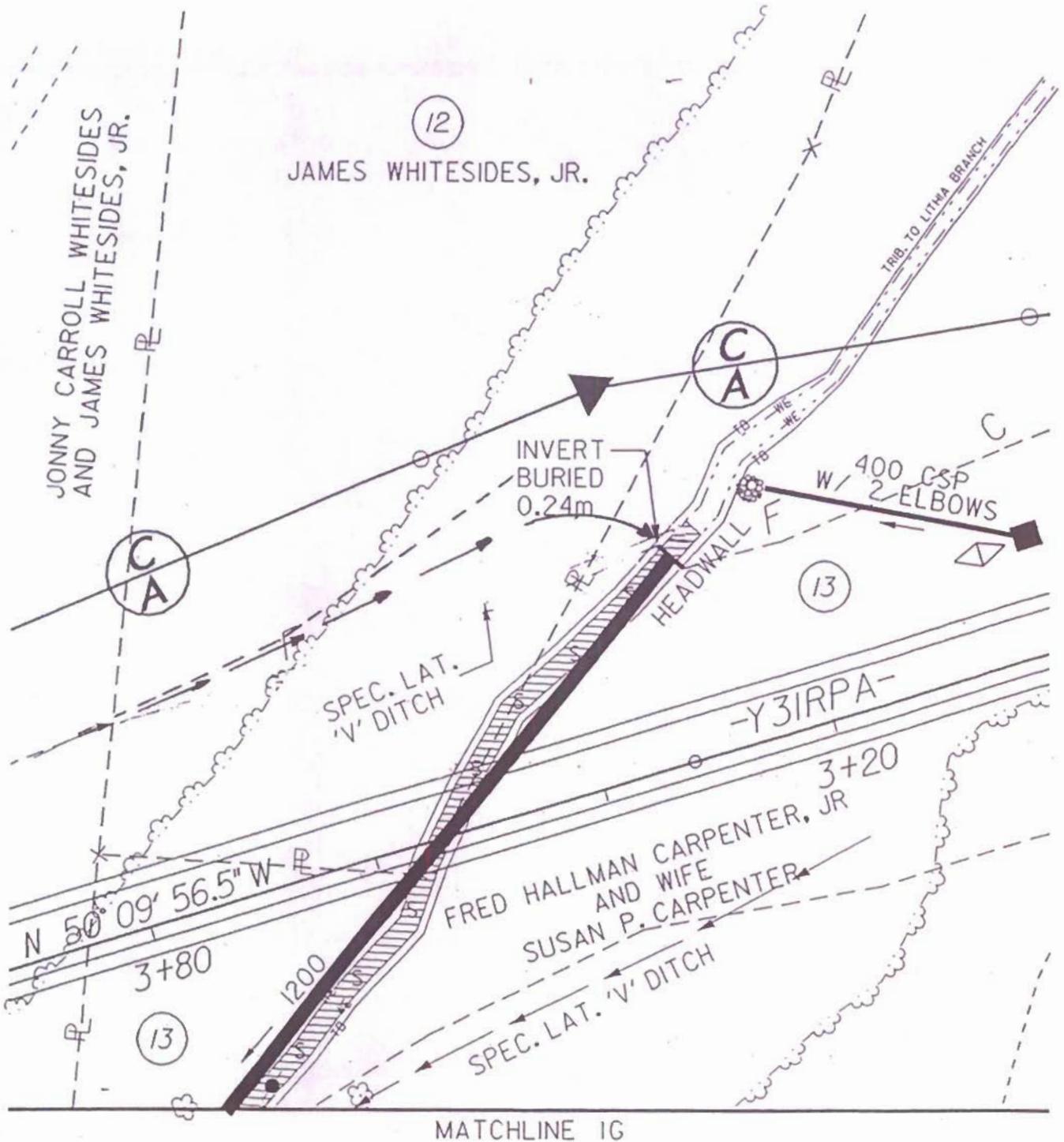
**NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS**

LINCOLN COUNTY  
8.1830402 (R-0617C)  
NC 150 FROM US 321  
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TO US 321 BYPASS

**PUBLIC NOTICE SHEET 11 OF 19**

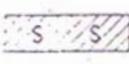
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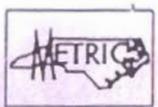
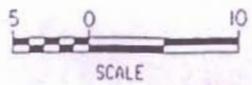
SHEET 11 OF 35



PLAN VIEW  
SITE I  
(SHEET 1H)

LEGEND

 DENOTES SURFACE WATER LOSS



NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.1830402 (R-0617C)

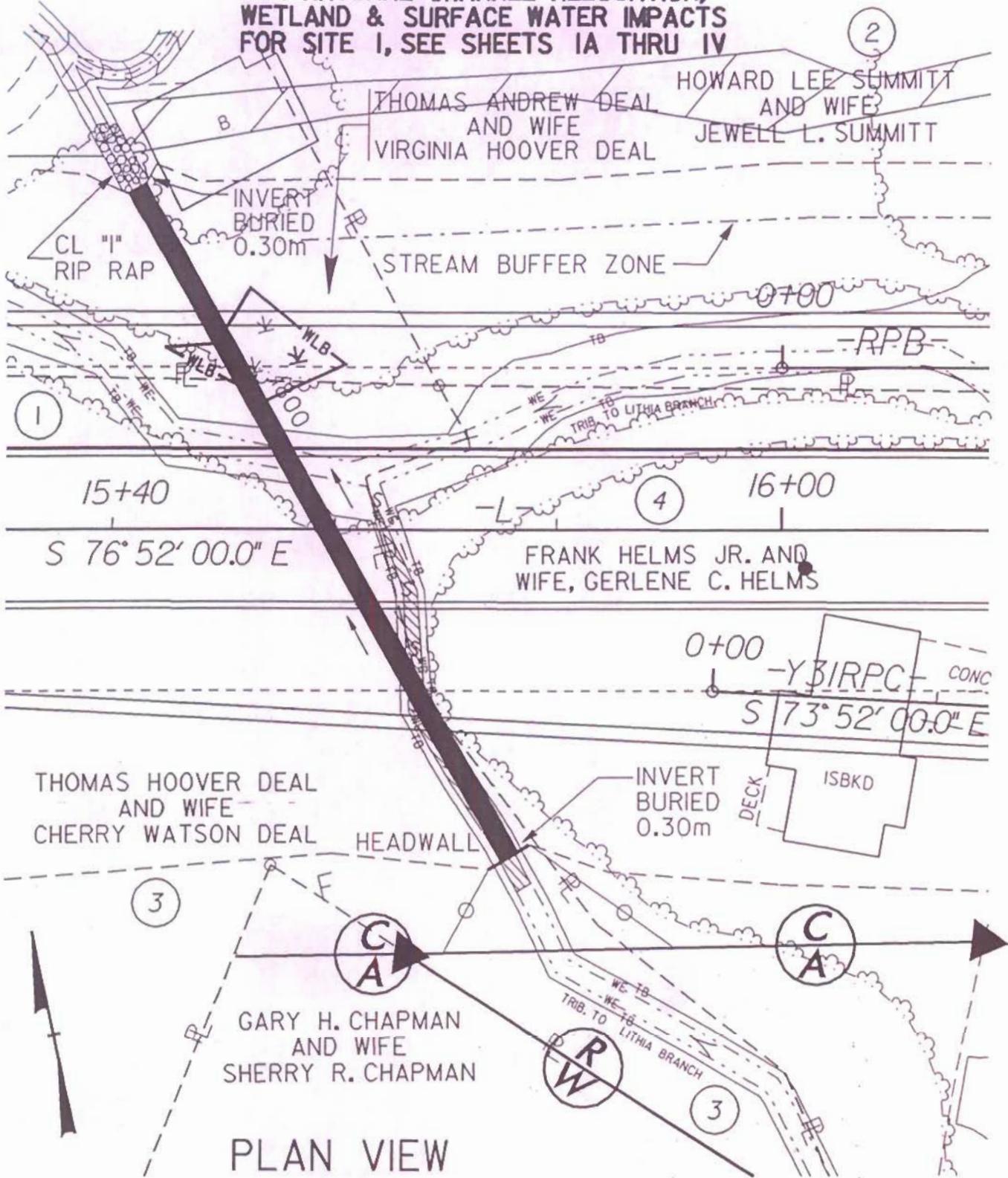
NC 150 FROM US 321  
IN LINCOLNTON  
TO US 321 BYPASS

PUBLIC NOTICE SHEET 12 OF 19

DATE: 04-07-04

SHEET 12 OF 35

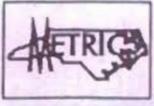
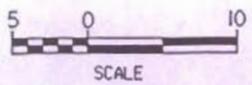
**FOR NATURAL CHANNEL RELOCATION,  
WETLAND & SURFACE WATER IMPACTS  
FOR SITE 1, SEE SHEETS IA THRU IV**



**PLAN VIEW  
SITE 2  
(SHEET 2A)**

**LEGEND**

- WLB— WETLAND
- DENOTES FILL IN WETLAND
- DENOTES SURFACE WATER LOSS



**NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS**

LINCOLN COUNTY  
8.1830402 (R-0617C)  
NC 150 FROM US 321  
IN LINCOLNTON  
TO US 321 BYPASS

**PUBLIC NOTICE SHEET 13 OF 19**

DATE: 04-07-04

SHEET 27 OF 35

MELVIN ROBERT WALTERS  
AND WIFE  
DEBBIE HOFFMAN WALTERS

16

0.6m BASE HEAD DITCH

SPEC. LATERAL 'V' DITCH  
W/ CL. 'B' RIP RAP

INVERT  
BURIED  
0.15m

SPEC. LAT.  
'V' DITCH

450

26+40 CARRIE REEP

14

MUDDY CREEK

750 CLASSIFIED

INVERT  
BURIED  
0.15m

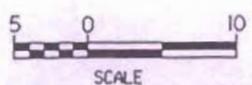
SCOTT T. HULL  
AND WIFE  
SHEILA C. HULL

15

PLAN VIEW  
SITE 3  
(SHEET 3A)

LEGEND

 DENOTES SURFACE WATER LOSS



NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.1830402 (R-0617C)

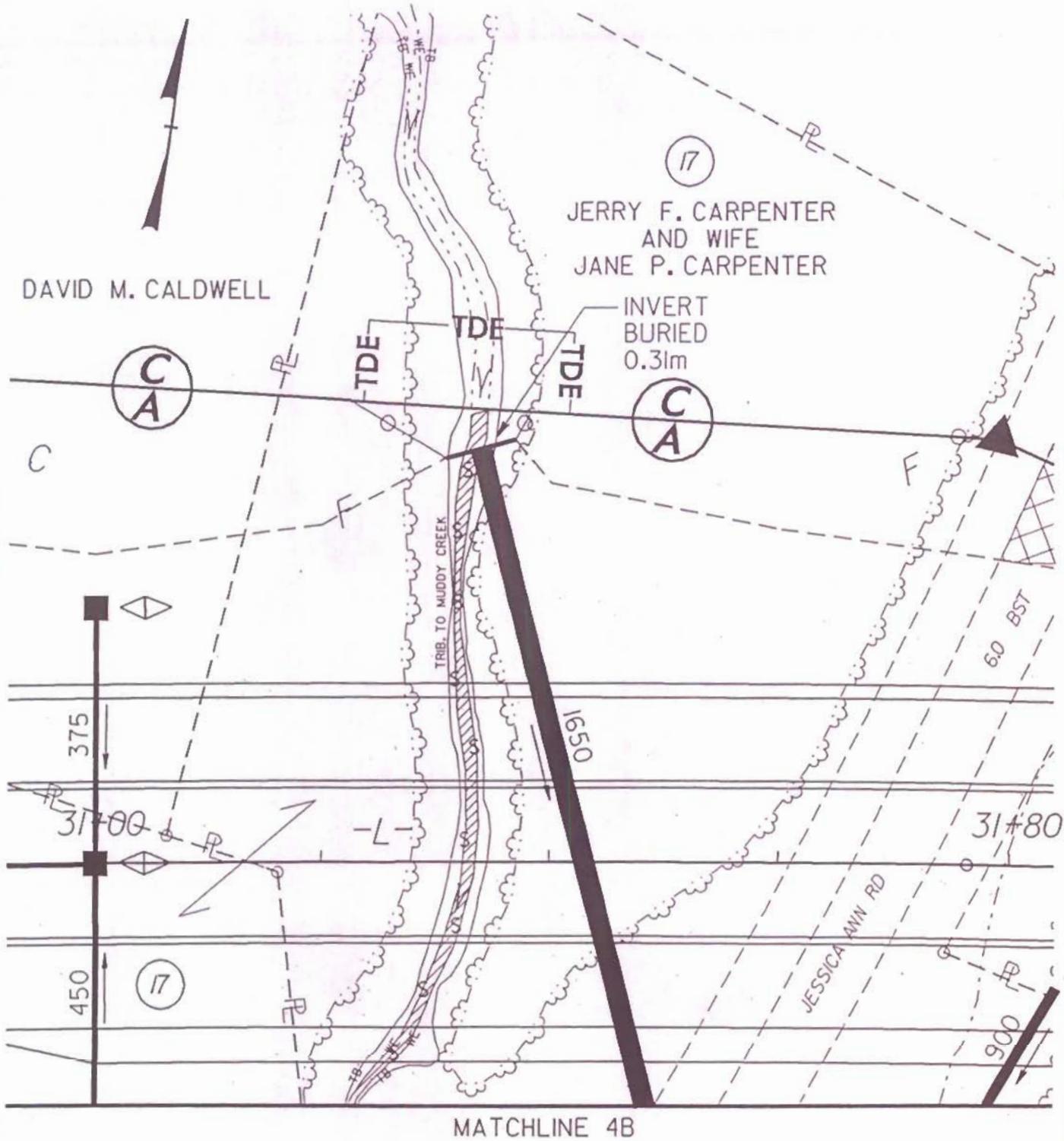
NC 150 FROM US 321  
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PUBLIC NOTICE SHEET 14 OF 19

DATE: 04-07-04

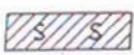
SHEET 28 OF 35

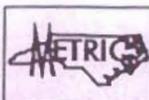
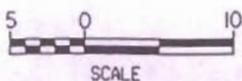
FILES



PLAN VIEW  
 SITE 4  
 (SHEET 4A)

LEGEND

 DENOTES SURFACE WATER LOSS



NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
 8.1830402 (R-0617C)

NC 150 FROM US 321  
 IN LINCOLNTON  
 TO US 321 BYPASS

PUBLIC NOTICE SHEET 15 OF 19

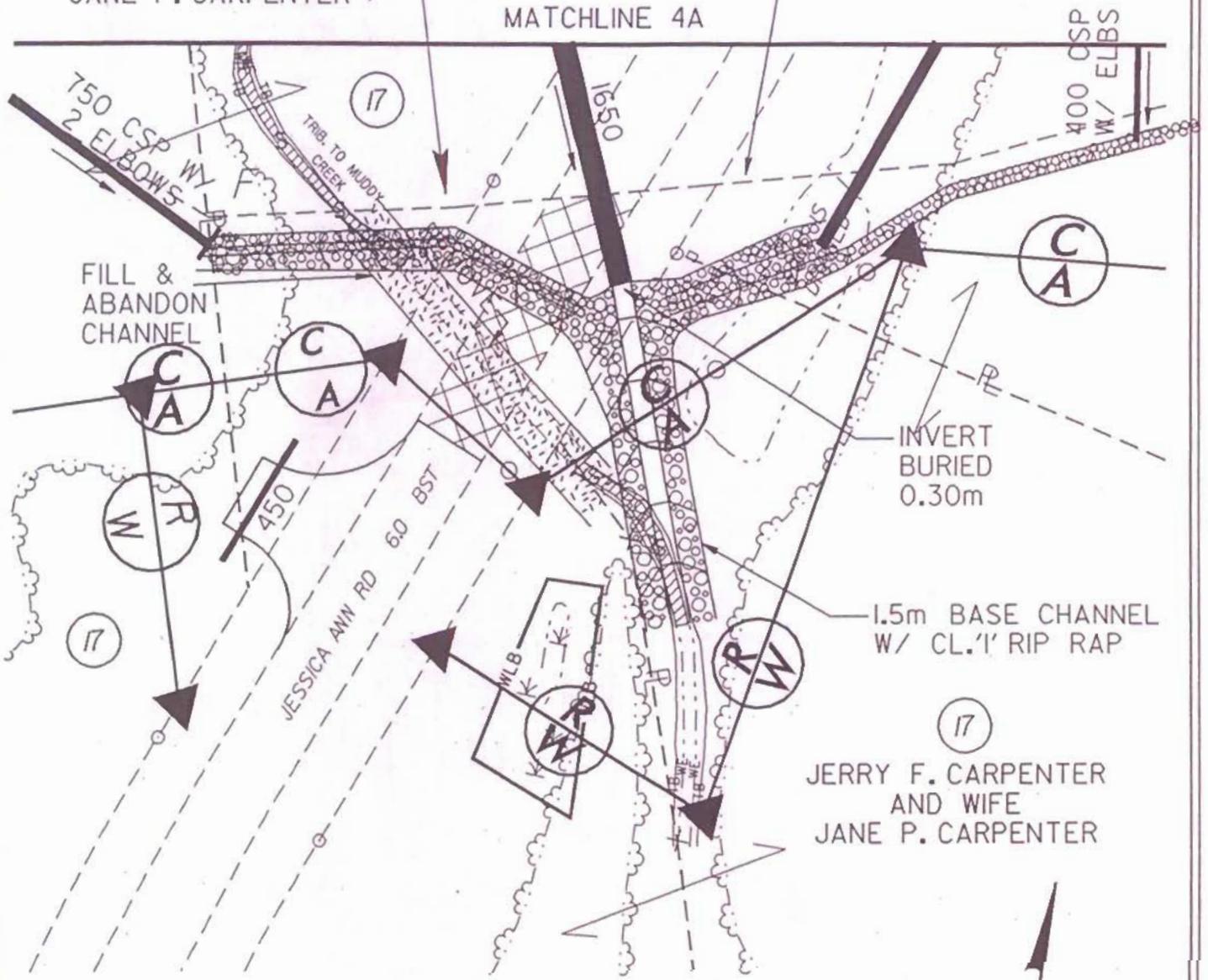
DATE: 04-07-04

SHEET 29 OF 35

JERRY F. CARPENTER  
AND WIFE  
JANE P. CARPENTER

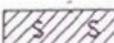
0.9m BASE TAIL DITCH  
W/ CL.'B' RIP RAP

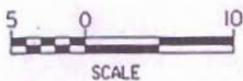
MATCHLINE 4A



PLAN VIEW  
SITE 4  
(SHEET 4B)

LEGEND

- WLB— WETLAND
-  DENOTES SURFACE WATER LOSS



**NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS**

LINCOLN COUNTY  
8.1830402 (R-0617C)

NC 150 FROM US 321  
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TO US 321 BYPASS

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SHEET **30** OF **35**

19

WADE S. WILLIAMS  
AND WIFE  
GLADYS MAE WILLIAMS

SWALE

0.9m BASE LAT. DITCH

TRIB. TO MUDDY CREEK

E  
INVERT  
BURIED  
0.30m

HEADWALL

C  
A

C  
A

375

35+20

-L-

35+80

1500 RCP CL. IV W/ METHOD 'B'

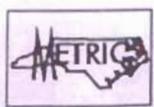
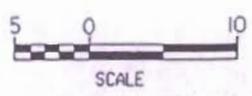
MOZELLE S. SCRONCE  
AND HUSBAND  
DAN SCRONCE

MATCHLINE 5B

PLAN VIEW  
SITE 5  
(SHEET 5A)

LEGEND

 DENOTES SURFACE WATER LOSS



NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS

LINCOLN COUNTY  
8.1830402 (R-0617C)

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IN LINCOLN  
TO US 321 BYPASS.

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DATE: 04-07-04

SHEET 31 OF 35

MOZELLE S. SCRONCE  
AND HUSBAND  
DAN SCRONCE

35+00

-L-

35+60

MATCHLINE 5A

375

375

19

WADE S. WILLIAMS  
AND WIFE  
GLADYS MAE WILLIAMS

TOE PROTECTION  
CL. 'B' RIP RAP

INVERT  
BURIED  
0.30m

1500 RCP

W/ METHOD 'B'

TRIB. TO MUDDY CREEK

TOE PROTECTION  
CL. 'B' RIP RAP

CL. '1' RIP RAP

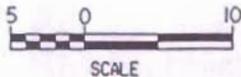
18

PHILIP CLYDE COLLINS, WIDOWER

### PLAN VIEW SITE 5 (SHEET 5B)

#### LEGEND

 DENOTES SURFACE  
WATER LOSS



**NORTH CAROLINA  
DEPARTMENT OF HIGHWAYS**

LINCOLN COUNTY  
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TO US 321 BYPASS

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SHEET **32** OF **35**

# WETLAND PERMIT IMPACT SUMMARY

| Site No.       | Station (From/To)      | Structure Size / Type | WETLAND IMPACTS       |                             |                             |                                       | SURFACE WATER IMPACTS     |                        |                       |                                |                            |
|----------------|------------------------|-----------------------|-----------------------|-----------------------------|-----------------------------|---------------------------------------|---------------------------|------------------------|-----------------------|--------------------------------|----------------------------|
|                |                        |                       | Fill In Wetlands (ac) | Temp. Fill In Wetlands (ac) | Excavation In Wetlands (ac) | Mechanized Clearing (Method III) (ac) | Fill In SW (Natural) (ac) | Fill In SW (Pond) (ac) | Temp. Fill In SW (ac) | Existing Channel Impacted (ft) | Natural Stream Design (ft) |
| 1              | 14+80 -L-<br>3+20 RP A | 1500 CL IV & 1200 RCP | 0.19                  | ---                         | ---                         | ---                                   | 0.26                      | 0.09                   | ---                   | 2096                           | 1516                       |
| 2              | 15+60 -L-              | 1800 RCP              | ---                   | ---                         | ---                         | ---                                   | 0.03                      | ---                    | ---                   | 118                            | 33                         |
| 3              | 27+00 -L-              | 750 RCP               | ---                   | ---                         | ---                         | ---                                   | 0.01                      | ---                    | ---                   | 269                            | 43                         |
| 4              | 31+40 -L-              | 1650 RCP              | ---                   | ---                         | ---                         | ---                                   | 0.02                      | ---                    | ---                   | 318                            | 89                         |
| 5              | 35+40 -L-              | 1500 RCP              | ---                   | ---                         | ---                         | ---                                   | 0.06                      | ---                    | ---                   | 335                            | ---                        |
| <b>TOTALS:</b> |                        |                       | 0.19                  | 0.00                        | 0.00                        | 0.00                                  | 0.38                      | 0.09                   | 0.00                  | 3136                           | 1680                       |

N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS

LINCOLN COUNTY

PROJECT: 8.1830402 (R-0617C)

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4/7/04

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