



US Army Corps
Of Engineers
Wilmington District

PUBLIC NOTICE

Issue Date: 13 December 2007
Comment Deadline: 14 January 2008
Corps Action ID #: SAW-2006-33046

The Wilmington District, Corps of Engineers (Corps) has received an application from The City of Raleigh seeking Department of the Army authorization to fill 1.049 linear feet of perennial streams associated with the construction of extensions of TW Alexander Drive and ACC Boulevard, and an associated turn lane on U. S. Highway 70 in Raleigh, Wake County, North Carolina.

Specific plans and location information are described below and shown on the attached plans. This Public Notice and all attached plans are also available on the Wilmington District Web Site at www.saw.usace.army.mil/wetlands

Applicant: City of Raleigh, Division of Public Works
Attn: Lynn Raynor
222 Hargett Street.
Raleigh, NC 27602

Agent: Withers and Ravenel
Attn: Mr. Todd Preuninger
117 MacKenan Drive
Cary, NC 27511

Authority

The Corps will evaluate this application and decide whether to issue, conditionally issue, or deny the proposed work pursuant to applicable procedures of Section 404 of the Clean Water Act.

Location

The project consists of extending both TW Alexander Drive and ACC Boulevard, and constructing a turn lane on U. S. Highway 70, in Wake County, North Carolina (35.9180516 N, -78.7862981 W). The property contains tributaries to Little Brier Creek, which flows into the Neuse River.

Existing Site Conditions

The corridor consists predominantly of mixed pine hardwood forest. The wooded upland areas are vegetated by sweet gum (*Liquidambar styraciflua*), red cedar (*Juniperus virginiana*), white oak (*Quercus alba*), black oak (*Quercus velutina*), dogwood (*Cornus florida*), sweetgum (*Liquidambar styraciflua*), loblolly pine (*Pinus taeda*), and Christmas fern (*Polystichum acrostichoides*). The forests are underlain by upland Creedmoor soils between the streams and alluvial Chewacla soils next to the streams.

Applicant's Stated Purpose

The project purpose is to alleviate congestion at the intersection of Highway 70 and Briar Creek Parkway and provide a second access point to Highway 70.

Project Description

The project involves the installation of a single culvert in each of two separate tributaries of Little Briar Creek. As proposed the two new culverts in the TW Alexander Drive extension would result in 811 linear feet of stream fill, the new culvert in the ACC Boulevard extension would result in 180 linear feet of stream fill, and the culvert extension for the new turn lane on US 70 would result in 58 linear feet of stream fill, as proposed in the application. Overall, the project would involve the piping or fill of 1,049 linear feet of jurisdictional channels. The applicant proposes to mitigate their requested stream impacts through payment to the North Carolina Ecosystem Enhancement Program.

Other Required Authorizations

This notice and all applicable application materials are being forwarded to the appropriate State agencies for review. The Corps will generally not make a final permit decision until the North Carolina Division of Water Quality (NCDWQ) issues, denies, or waives State certification required by Section 401 of the Clean Water Act (PL 92-500). The receipt of the application and this public notice in the NCDWQ Central Office in Raleigh serves as application to the NCDWQ for certification. A waiver will be deemed to occur if the NCDWQ fails to act on this request for certification within sixty days of the date of the receipt of this notice in the NCDWQ Central Office. Additional information regarding the Clean Water Act certification may be reviewed at the NCDWQ Central Office, 401 Oversight and Express Permits Unit (for NCDOT projects, the Transportation Permitting Unit), 2321 Crabtree Boulevard, Raleigh, North Carolina 27604-2260. All persons desiring to make comments regarding the application for certification under Section 401 of the Clean Water Act should do so in writing delivered to the North Carolina Division of Water Quality (NCDWQ), 1650 Mail Service Center, Raleigh, North Carolina 27699-1650 Attention: Ms Cyndi Karoly by January 3, 2008.

Cultural Resources

The Corps has consulted the latest published version of the National Register of Historic Places and is not aware that any registered properties, or properties listed as being eligible for inclusion therein are located within the project area or will be affected by the proposed work. Presently, unknown archeological, scientific, prehistoric, or historical data may be located within the project area and/or could be affected by the proposed work.

Endangered Species

The Corps has reviewed the project area, examined all information provided by the applicant and consulted the latest North Carolina Natural Heritage Database. Based on available information, the Corps has determined pursuant to the Endangered Species Act of 1973, that the proposed project will have no effect on federally listed endangered or threatened species or their formally designated critical habitat.

Evaluation

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values (in accordance with Executive Order 11988), land use, navigation, shoreline 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 discharge of dredged or fill materials in waters of the United States, the evaluation of the impact of the activity on the public interest will include application of the Environmental Protection Agency's 404(b)(1) guidelines.

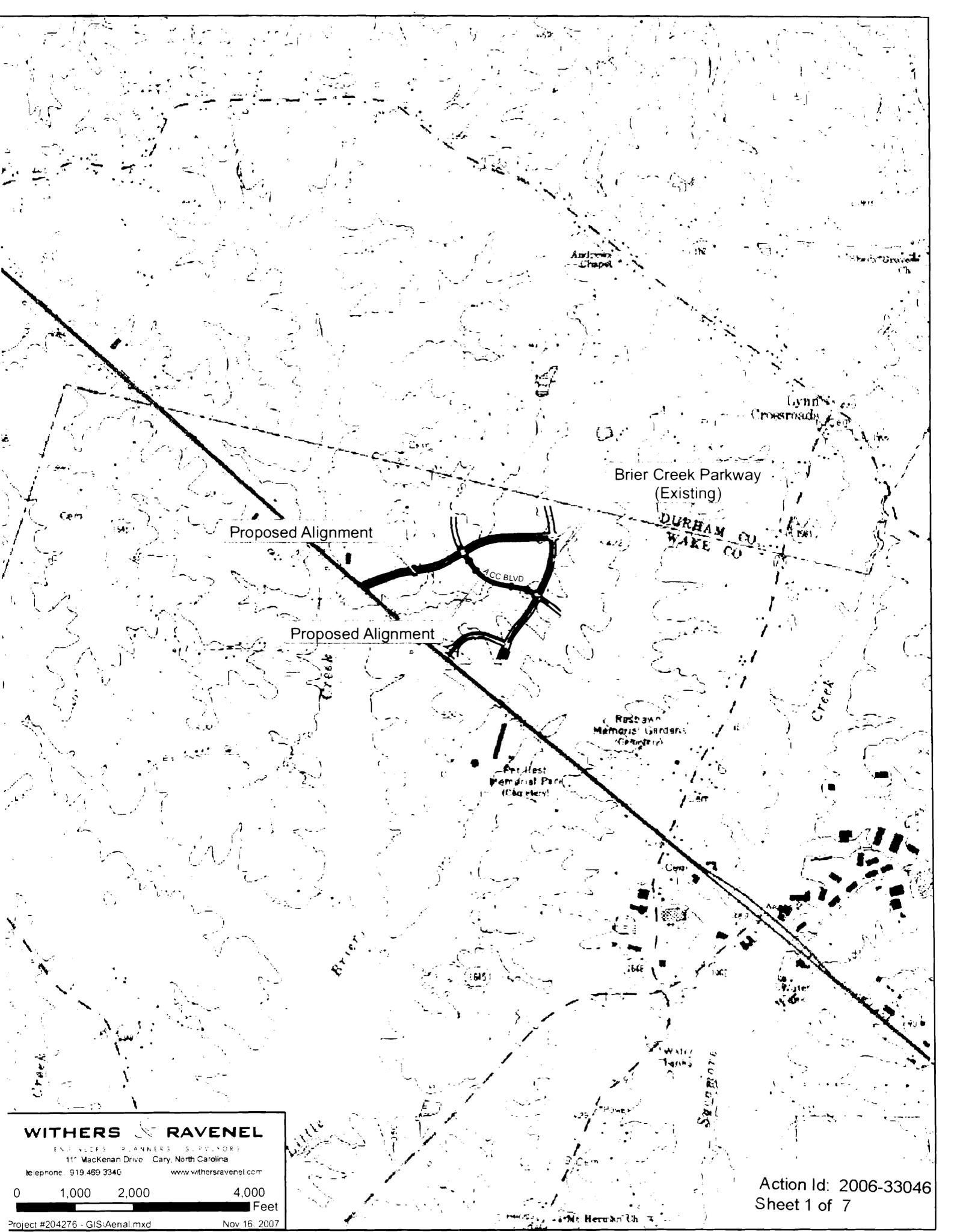
Commenting Information

The Corps 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 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.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing shall be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.

Written comments pertinent to the proposed work, as outlined above, will be received by the Corps of Engineers, Wilmington District, until 5pm, January 14, 2008. Comments should be submitted to Mr. Jamie Shern at 6508 Falls of Neuse Road, Suite 120, Raleigh, North Carolina 27615.

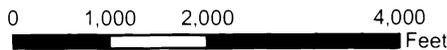


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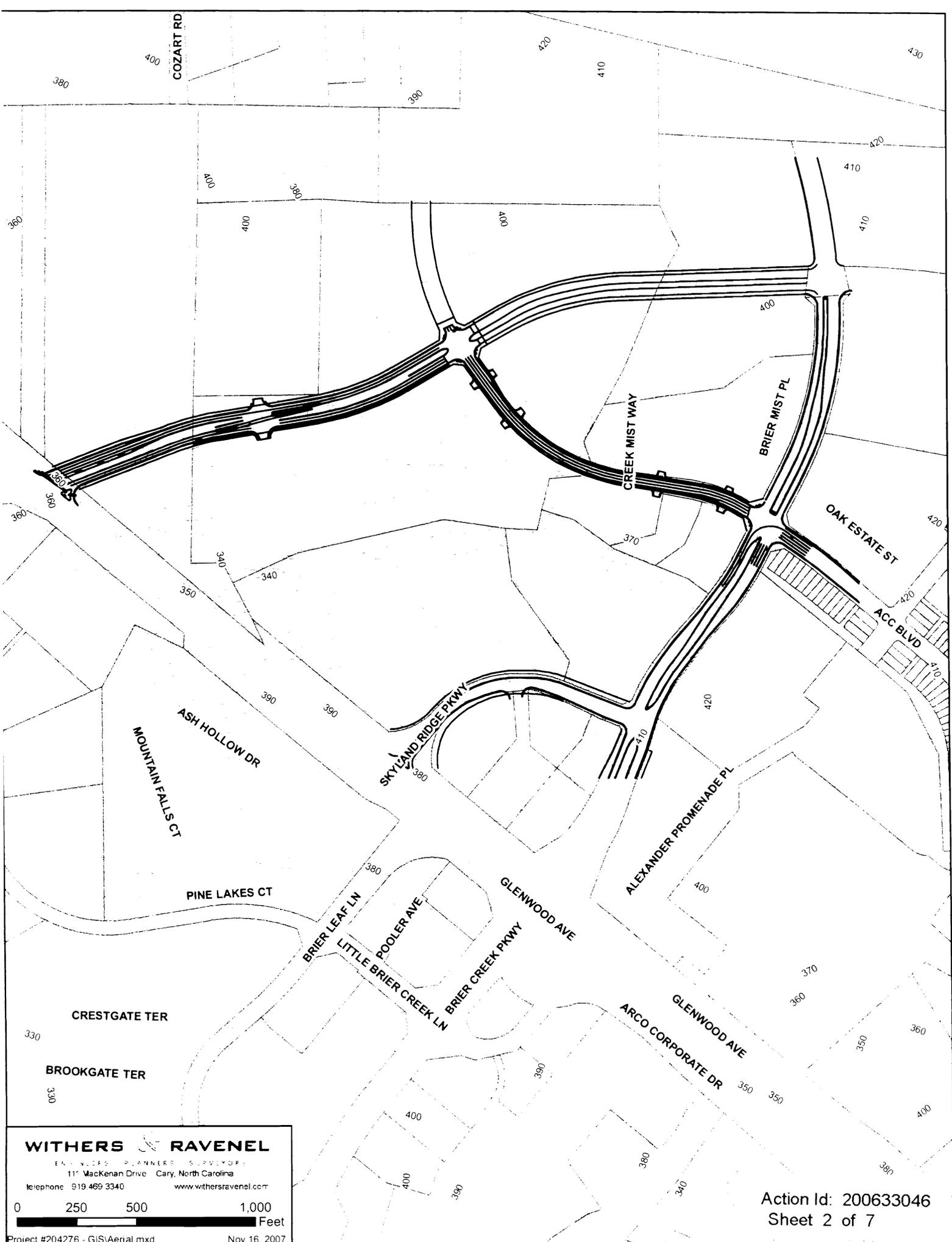
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111 MacKenan Drive Cary, North Carolina

Telephone: 919.469.3340 www.wITHERSRAVENEL.com



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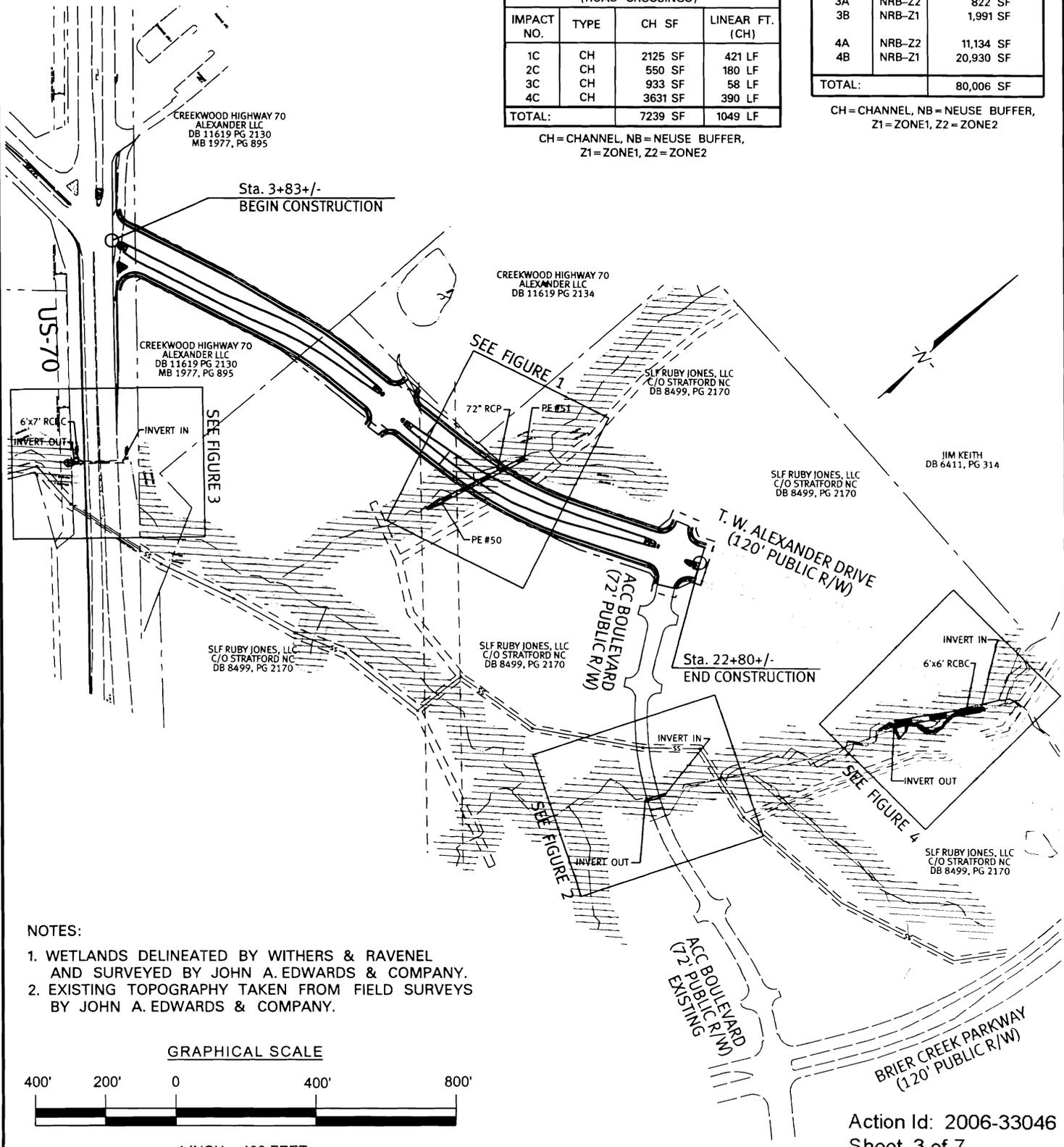
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FIG.	FROM	TO	LENGTH	UPSTREAM INVERT	UPSTREAM GROUND ELEVATION	DOWNSTREAM INVERT	DOWNSTREAM GROUND ELEVATION
1	PE #51	PE #50	263'	347.24'	348.24'	343.12'	344.12'
2	INV IN	INV OUT	199'	346.80'	347.80'	345.00'	346.00'
3	EX. HW	NEW HW	263'	337.17' (EX.)	337.2' (+/-)	335.17'	335.2' (+/-)
4	INV IN	INV OUT	253'	Preliminary	—	Preliminary	—

BUFFER IMPACT SUMMARY TABLE (ROAD CROSSINGS)		
IMPACT NO.	TYPE	IMPACT AREA (SF)
1A	NRB-Z2	10,636 SF
1B	NRB-Z1	20,556 SF
2A	NRB-Z2	5,225 SF
2B	NRB-Z1	8,712 SF
3A	NRB-Z2	822 SF
3B	NRB-Z1	1,991 SF
4A	NRB-Z2	11,134 SF
4B	NRB-Z1	20,930 SF
TOTAL:		80,006 SF

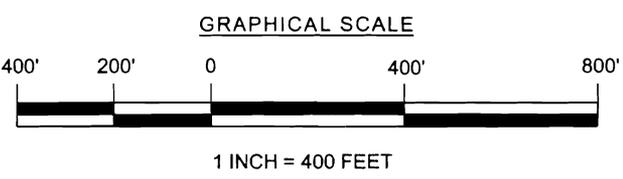
CHANNEL IMPACT SUMMARY TABLE (ROAD CROSSINGS)			
IMPACT NO.	TYPE	CH SF	LINEAR FT. (CH)
1C	CH	2125 SF	421 LF
2C	CH	550 SF	180 LF
3C	CH	933 SF	58 LF
4C	CH	3631 SF	390 LF
TOTAL:		7239 SF	1049 LF

CH = CHANNEL, NB = NEUSE BUFFER, Z1 = ZONE1, Z2 = ZONE2



NOTES:

1. WETLANDS DELINEATED BY WITHERS & RAVENEL AND SURVEYED BY JOHN A. EDWARDS & COMPANY.
2. EXISTING TOPOGRAPHY TAKEN FROM FIELD SURVEYS BY JOHN A. EDWARDS & COMPANY.



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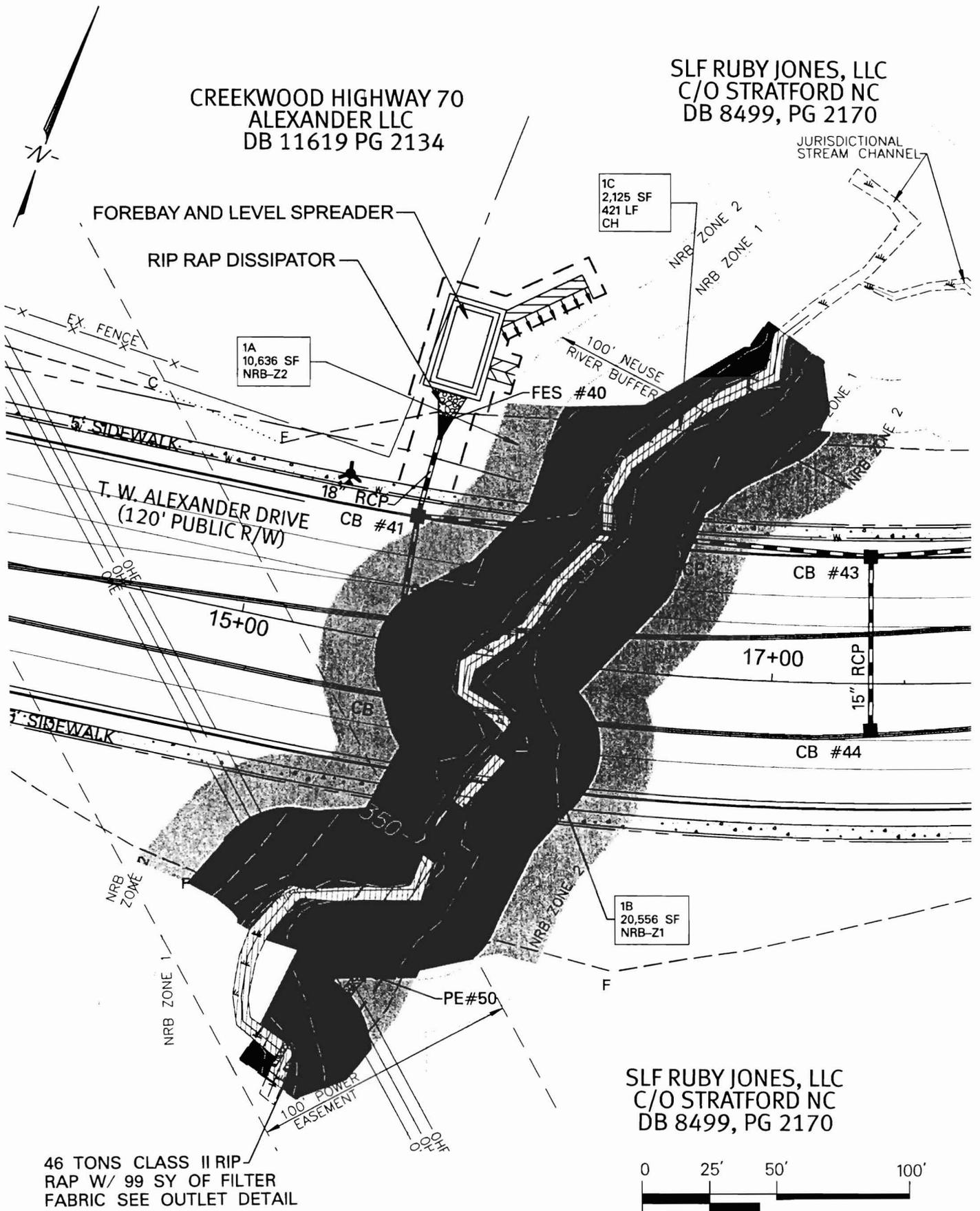
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ENGINEERS | PLANNERS | SURVEYORS
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WETLAND AND BUFFER IMPACTS
T.W. ALEXANDER AND U.S. HIGHWAY 70
RALEIGH, NORTH CAROLINA

K:\04\04-270\04276 10-TV Alexander Dr Ext - US 70\CAD\Wetland\Battwetland-OverallMap.dgn 11/26/2007 M.Cary

CREEKWOOD HIGHWAY 70
ALEXANDER LLC
DB 11619 PG 2134

SLF RUBY JONES, LLC
C/O STRATFORD NC
DB 8499, PG 2170



46 TONS CLASS II RIP
RAP W/ 99 SY OF FILTER
FABRIC SEE OUTLET DETAIL

SLF RUBY JONES, LLC
C/O STRATFORD NC
DB 8499, PG 2170



1 inch

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NOTE: SEE OVERALL WETLAND

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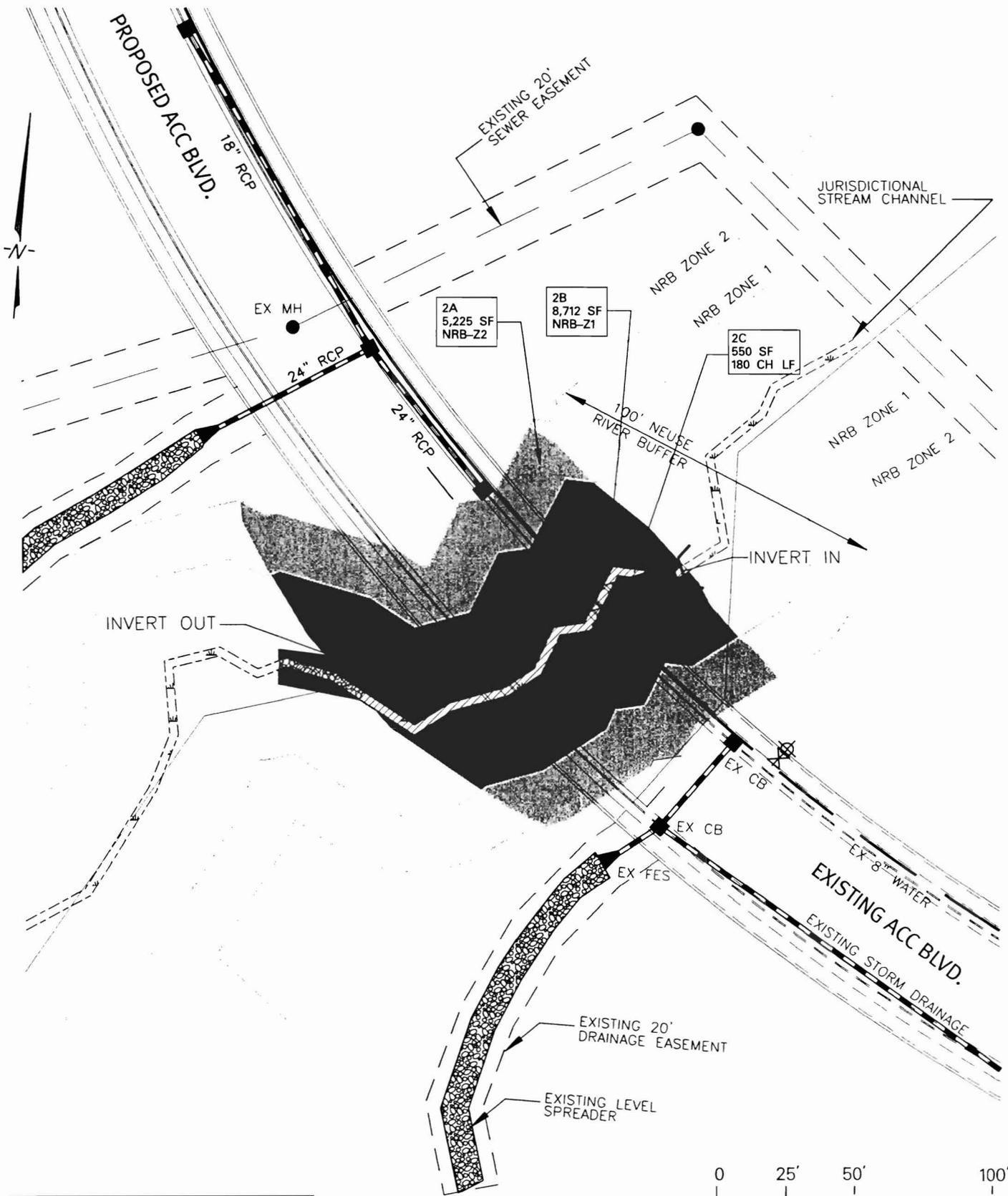
FIGURE 1 - WETLAND AND BUFFER IMPACTS
T.W. ALEXANDER AND U.S. HIGHWAY 70

RALEIGH, NORTH CAROLINA

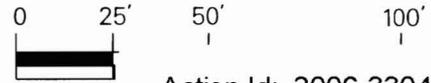
K:\04\04-270\04276 10-TW Alexander Dr Ext - US 70\CAD\Wetland\Batt\Wetland Figure 1.dgn

MCarry

11/6/2007



NOTE : IMPACT MAP AND AREAS PROVIDED BY JON CALLAHAN, PE, PLS WITH JOHN A. EDWARDS AND COMPANY.



Note: See Overs

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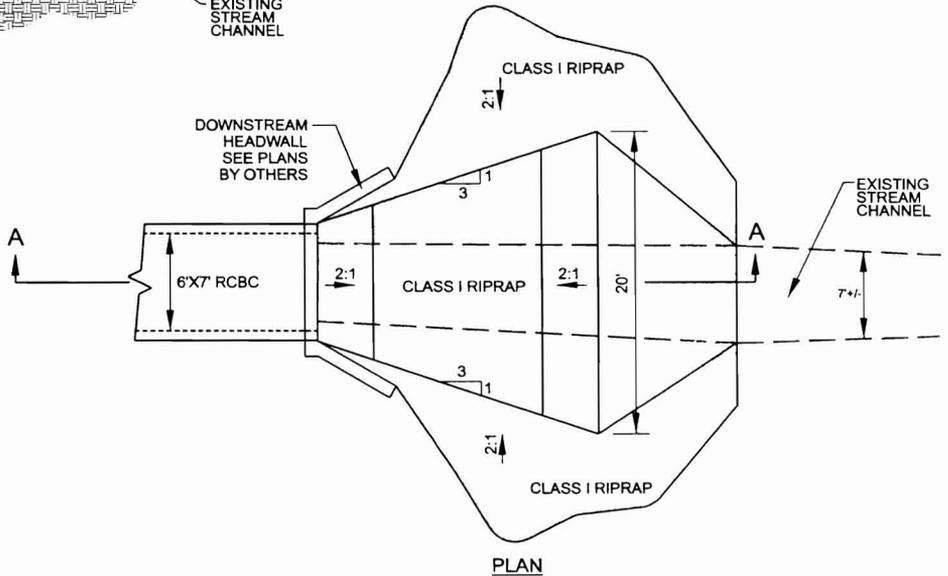
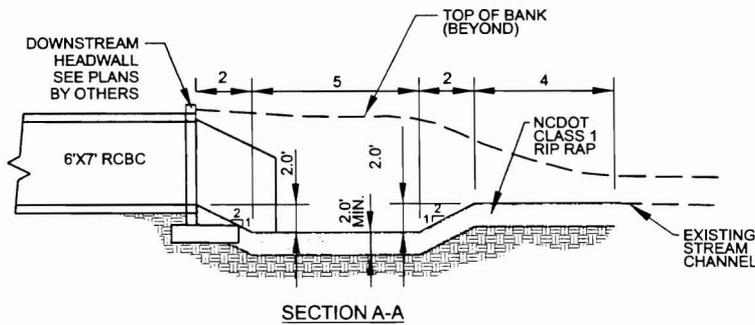
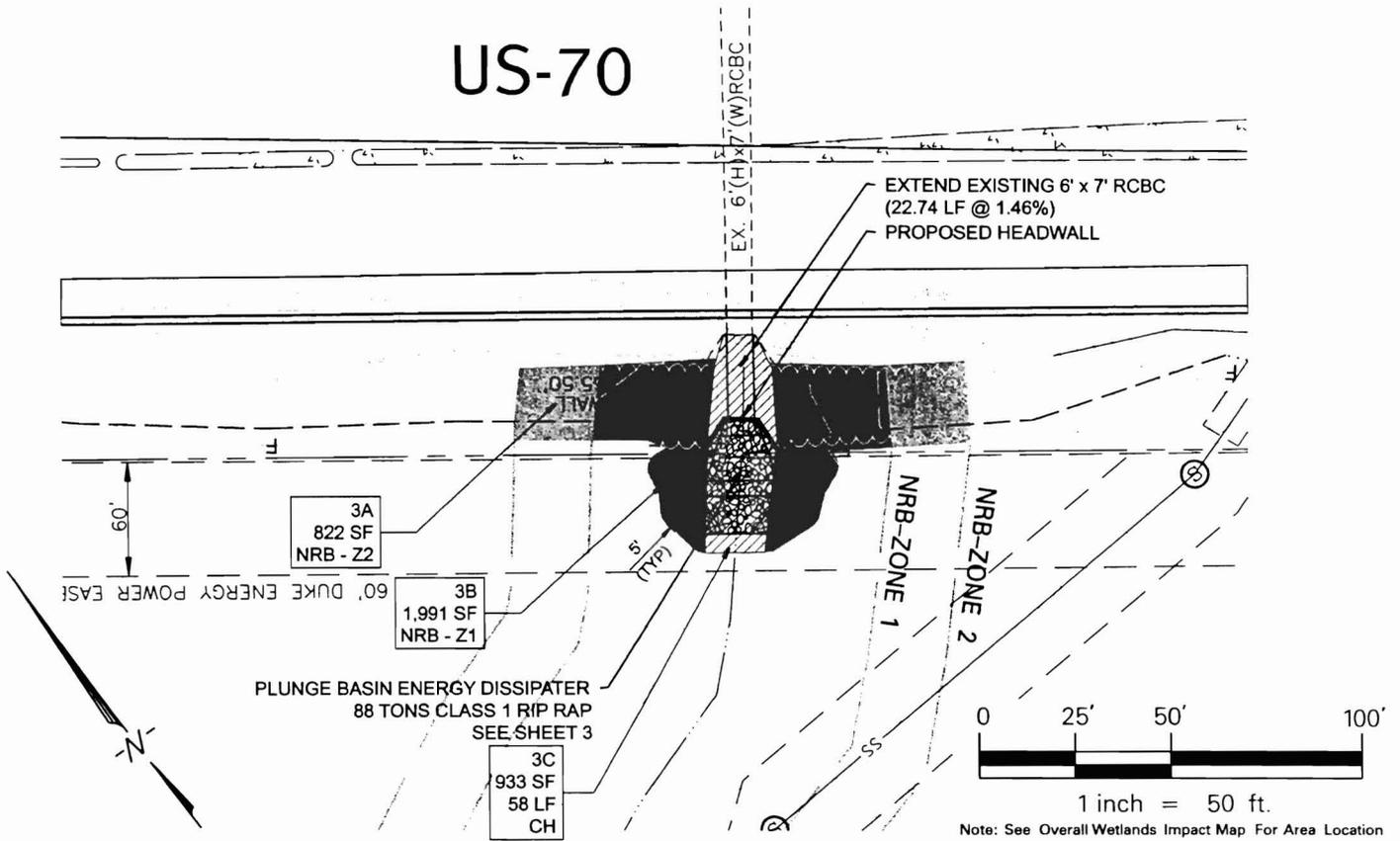
FIGURE 2 - WETLAND AND BUFFER IMPACTS
T.W. ALEXANDER AND U.S. HIGHWAY 70
RALEIGH, NORTH CAROLINA

K:\04\04-270\04276.10-TW Alexander Dr Ext - US 70\CAD\Wetland\Brt\Wetland Figure 2.dgn

McCarey

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US-70



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PLUNGE BASIN ENERGY DISSIPATE
NTS

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FIGURE 3 - WETLAND AND BUFFER IMPACTS
T.W. ALEXANDER AND U.S. HIGHWAY 70

RALEIGH, NORTH CAROLINA

SLF RUBY JONES, LLC
DB 8499 PG 2170

JURISDICTIONAL
STREAM CHANNEL

4B
20,930 SF
NRB-Z1

4A
11,134 SF
NRB-Z2

PRELIMINARY DESIGN FOR
STREAM CROSSING ONLY

NEUSE RIPARIAN BUFFER

NRB ZONE 1

NRB ZONE 2

INV IN

PROPOSED 6X6
BOX CULVERT

T. W. ALEXANDER DRIVE
(120' PUBLIC R/W)

4C
3,631 SF
390 CH LF

5' CONCRETE SIDEWALK

28'-B-B

40' MEDIAN

28'-B-B

5' CONCRETE SIDEWALK

JURISDICTIONAL
STREAM CHANNEL

NRB ZONE 2

NRB ZONE 1

NRB ZONE 1

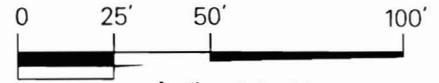
NRB ZONE 2

INV OUT

10'X30' RIP RAP
ENERGY DISSIPATOR

SLF RUBY JONES, LLC
DB 8499 PG 2170

NOTE : IMPACT MAP AND AREAS PROVIDED
BY JON CALLAHAN, PE, PLS WITH JOHN A.
EDWARDS AND COMPANY.



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Note: See Over:

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FIGURE 4 - WETLAND AND BUFFER IMPACTS
T.W. ALEXANDER AND U.S. HIGHWAY 70

RALEIGH, NORTH CAROLINA

K:\04\04-270\042716 00-TW Alexander Dr Ext - US 70\CAD\Wetland\Bart\Wetland Figure 4.dgn

11/16/2007 M.Carey