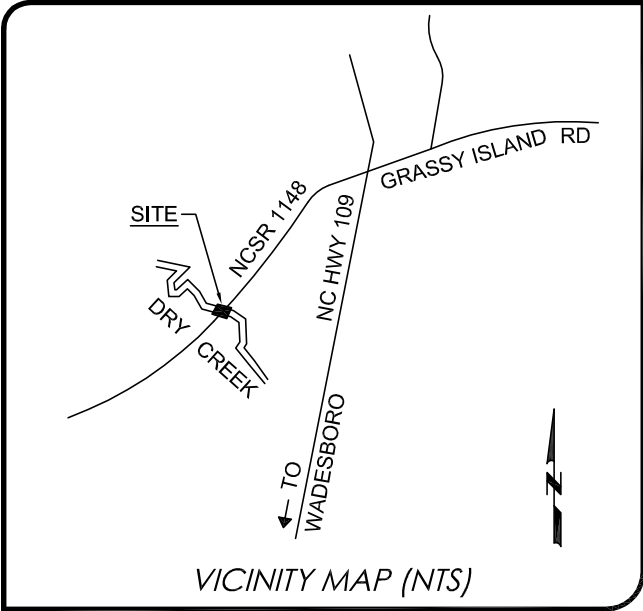




VICINITY MAP (NTS)

TOTAL JURISDICTIONAL WETLAND AREAS	
JURISDICTIONAL WETLAND AREAS	ACREAGE (ACRES)
1	0.24
2	0.04
2	0.35
2	0.41
TOTAL	1.04

TOTAL JURISDICTIONAL STREAM AREAS			
JURISDICTIONAL STREAM AREAS	ACREAGE (ACRES)	LINEAR FEET	STREAM WIDTH
1	0.13	231.39	18'-38'
TOTAL	0.13	231.39	

EXISTING BRIDGE AT GRASSY ISLAND ROAD (APRIL 09, 2012)



SURVEYOR'S CERTIFICATION(S):

SURVEYOR'S DISCLAIMER: NO ATTEMPT WAS MADE TO LOCATE NY CEMETERIES, WETLANDS, HAZARDOUS MATERIAL SITES, UNDERGROUND UTILITIES OR ANY OTHER FEATURES ABOVE, OR BELOW GROUND OTHER THAN THOSE SHOWN.

I CERTIFY THAT THE SURVEY IS ON ANOTHER CATEGORY (JURISDICTIONAL WETLAND AND STREAM LINES OF DESCRIPTION), SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF A SUBDIVISION.

I CERTIFY THAT THIS PLAT DOES NOT MEET G.S. 47-30 AS AMENDED.

I CERTIFY THAT ALL JURISDICTIONAL WETLANDS AND STREAMS WERE FIELD LOCATED BY K2 DESIGN GROUP, PA AFTER BEING MARKED BY ATKINS NORTH CAROLINA, INC.

I, JOHN A. RUDOLPH, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL CLASS C LIS/GIS SURVEY MADE UNDER MY SUPERVISION ON 4/25/12; THAT GPS, WITH A TRIMBLE 6000 SERIES GEO XT HANDHELD WITH A TRIMBLE TEMPEST EXTERNAL ANTENNA WAS USED IN THIS SURVEY; THAT THE METHOD OF ACCURACY EVALUATION WAS CODE AND CARRIER PHASE POST-PROCESSING CORRECTIONS WITH A 95% CERTAINTY (SEE GENERAL NOTE 4); THAT ALL WETLAND BOUNDARY LINES WERE SURVEYED AND ARE CLEARLY INDICATED; THAT THE HORIZONTAL DATUM FOR THIS SURVEY IS NAD '83 (CORS96).

WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 25TH DAY OF APRIL, A.D., 2012.

SEAL OR STAMP

Surveyor L-4194

**"PRELIMINARY PLAT"
NOT FOR RECORDATION,
CONVEYANCES OR SALES**

JURISDICTIONAL BOUNDARY CERTIFICATION:

THIS CERTIFIES THAT THIS COPY OF THIS PLAT ACCURATELY DEPICTS THE BOUNDARY OF THE JURISDICTION OF SECTION 404 OF THE CLEAN WATER ACT WITHIN THE DESIGNATED INSET AREA, AS DETERMINED BY THE UNDERSIGNED ON THIS DATE. OTHER AREAS OF JURISDICTION MAY BE PRESENT ON THE SITE BUT HAVE NOT BEEN DELINEATED. UNLESS THERE IS A CHANGE IN THE LAW OR OUR PUBLISHED REGULATIONS, THIS DETERMINATION OF SECTION 404 JURISDICTION MAY BE RELIED UPON FOR A PERIOD NOT TO EXCEED FIVE YEARS FROM THIS DATE. THIS DETERMINATION WAS MADE UTILIZING THE APPROPRIATE REGIONAL SUPPLEMENT TO THE 1987 CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL.

REGULATORY OFFICIAL _____

TITLE _____

DATE _____

USACE ACTION ID _____

(THE ABOVE U.S.A.C.E. SIGNATURE APPLIES TO THE FOLLOWING SHEETS: SHEET 1, AND SHEET 2)

DEED REFERENCE(S):

BEING A PORTION OF THE FOLLOWING PROPERTIES RECORDED IN THE RICHMOND COUNTY REGISTER OF DEEDS:

- D.B. 754, PG. 414
- D.B. 1582, PG. 66

LEGEND:

- ISS - IRON STAKE SET
- ECM - EXISTING CONCRETE MARKER
- EIP - EXISTING IRON PIPE
- EN - EXISTING NAIL
- NMC - NON-MONUMENTED CORNER
- R/W - RIGHT OF WAY
- UP - UTILITY POLE
- SP - SERVICE POLE
- MBL - MINIMUM BUILDING LINE
- ▲ - Flag Along Jurisdictional Wetlands, Streams and Open Water Pond
- - Non-Monumented Corner (Unless Otherwise Noted)
- Flagged Jurisdictional Wetland Line
- Flagged Jurisdictional Stream Line
- ▲ U.S.A.C.E. Data Point
- U.S.A.C.E. U.S. Army Corps of Engineers
- — — Limits of Delineation

**TOTAL WATERS
OF THE UNITED STATES**

THE TOTAL JURISDICTIONAL WETLAND AREA IS 1.04 ACRES± BY COORDINATE COMPUTATION

THE TOTAL JURISDICTIONAL STREAM AREA IS 0.13 ACRES± AND IS 231.39 LINEAR FEET BY COORDINATE COMPUTATION

GENERAL NOTES:

- NOTE: NO ABSTRACT TITLE, NOR TITLE COMMITMENT, NOR RESULTS OF TITLE SEARCH WERE FURNISHED TO THE SURVEYOR. ALL DOCUMENTS OF RECORD REVIEWED ARE NOTED HEREON (SEE REFERENCES). THERE MAY EXIST OTHER DOCUMENTS OF RECORD THAT MAY AFFECT THIS SURVEYED PARCEL.
- ALL JURISDICTIONAL WETLAND & JURISDICTIONAL STREAM AREAS DETERMINED AND FLAGGED BY ATKINS NORTH CAROLINA, INC. DURING APRIL 2012.
- A PORTION OF JURISDICTIONAL WETLAND & JURISDICTIONAL STREAM AREAS WERE FIELD LOCATED BY K2 DESIGN GROUP, P.A. AFTER BEING MARKED BY ATKINS NORTH AMERICA, INC. AREAS THAT WERE FIELD LOCATED BY ATKINS NORTH AMERICA, INC. WERE CHECKED AND VERIFIED BY K2 DESIGN GROUP, PA.
- ALL FLAGS WERE LOCATED WITH A TRIMBLE 6000 SERIES GEO XT HANDHELD WITH EXTERNAL ANTENNA, THEN ON A DIFFERENT DAY, SEVERAL POINTS (5 TO 10) WERE RELOCATED AGAIN WITH A TOPCON GMS 110 GPS UNIT USING DIFFERENTIAL CORRECTIONS (DGPS/COAST GUARD BEACONS) TO CONFIRM LOCATIONS.
- ALL HORIZONTAL DISTANCES SHOWN ARE GRID DISTANCES.

FEMA FLOOD STATEMENT:

ALL OF THE AREA REPRESENTED BY THIS PLAT IS LOCATED IN A FLOOD HAZARD BOUNDARY ACCORDING TO FEMA MAP NUMBER(S) 3710648800k, ZONE(S): AE, DATED: AUGUST 19, 2008.

ATKINS

1616 East Millbrook Road,
Suite 310,
Raleigh, North Carolina,
27539-4968

SHEET 1 OF 2

WETLAND BOUNDARY

FOR

**NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION**



GRASSY ISLAND ROAD

**BRIDGE LABEL 760093
YADKIN RIVER BASIN**

STEELES TOWNSHIP RICHMOND COUNTY NORTH CAROLINA

DRAWN BY: FGR

DATE: 04/25/12

DWG. NO.: BRIDGE 93

SURVEYED BY: J.A.R.

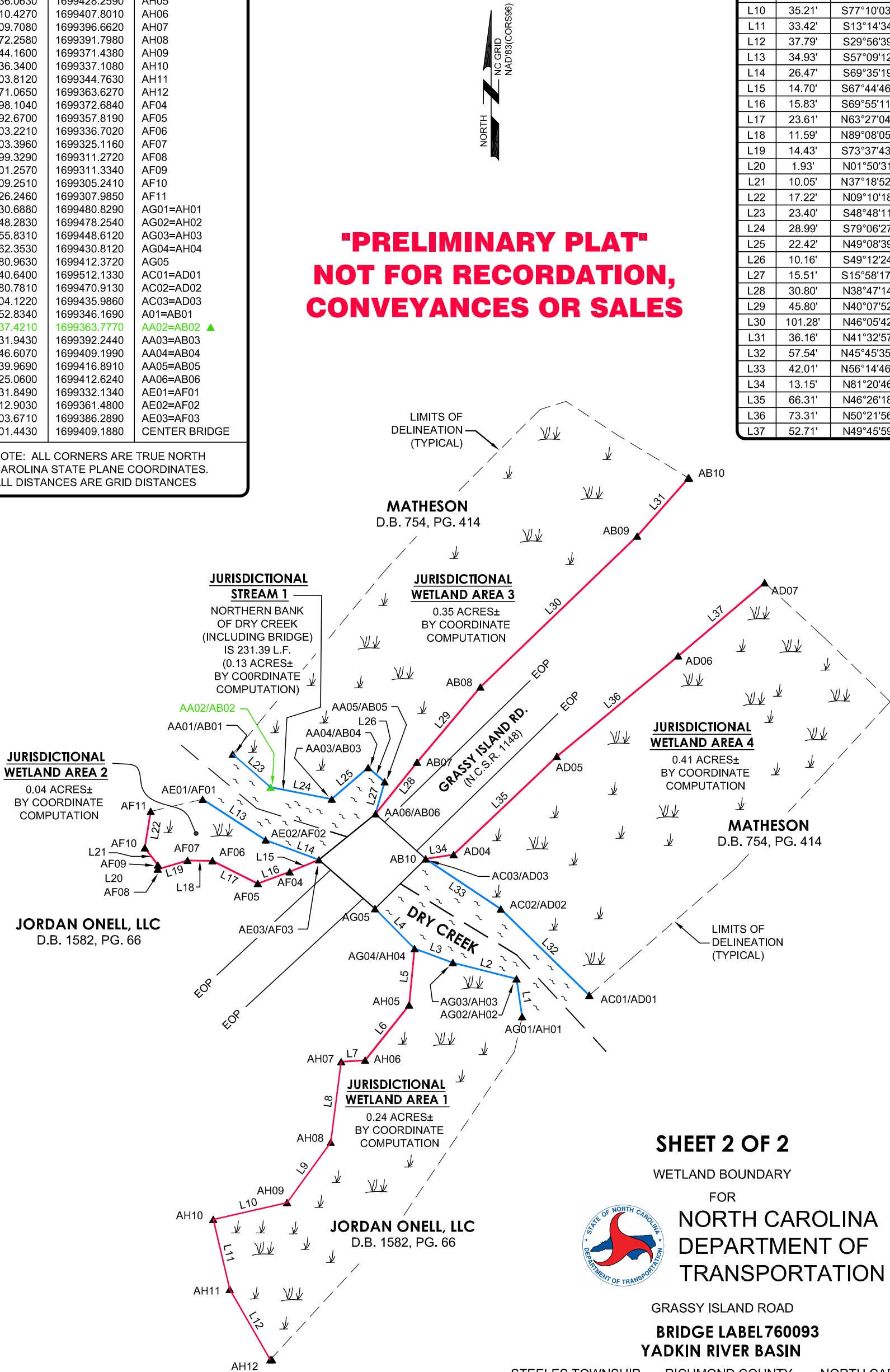


5688 U.S. Hwy. 70 East
Goldsboro, NC 27534
Tel.: (919) 751-0075
Fax: (919) 778-9087
k2design@suddenlink.net
Firm License No. C-2111

COORDINATES ALONG FLAGGED CORNERS OF JURISDICTIONAL STREAMS AND WETLANDS		
NORTHING	EASTING	FLAG I.D.
498381.3860	1699558.3970	AB10
498354.3260	1699534.4150	AB09
498284.0890	1699461.4410	AB08
498332.6110	1699593.7420	AD07
498298.5650	1699553.5020	AD06
498251.8010	1699497.0430	AD05
498206.1010	1699448.9890	AD04
498249.0690	1699431.9190	AB07
498136.0630	1699428.2590	AH05
498110.4270	1699407.8010	AH06
498109.7080	1699396.6620	AH07
498072.2580	1699391.7980	AH08
498044.1600	1699371.4380	AH09
498036.3400	1699337.1080	AH10
498003.8120	1699344.7630	AH11
497971.0650	1699363.6270	AH12
498198.1040	1699372.6840	AF04
498192.6700	1699357.8190	AF05
498203.2210	1699336.7020	AF06
498203.3960	1699325.1160	AF07
498199.3290	1699311.2720	AF08
498201.2570	1699311.3340	AF09
498209.2510	1699305.2410	AF10
498226.2460	1699307.9850	AF11
498130.6880	1699480.8290	AG01=AH01
498148.2830	1699478.2540	AG02=AH02
498155.8310	1699448.6120	AG03=AH03
498162.3530	1699430.8120	AG04=AH04
498180.9630	1699412.3720	AG05
498140.6400	1699512.1330	AC01=AD01
498180.7810	1699470.9130	AC02=AD02
498204.1220	1699435.9860	AC03=AD03
498252.8340	1699346.1690	A01=AB01
498237.4210	1699363.7770	AA02=AB02 ▲
498231.9430	1699392.2440	AA03=AB03
498246.6070	1699409.1990	AA04=AB04
498239.9690	1699416.8910	AA05=AB05
498225.0600	1699412.6240	AA06=AB06
498231.8490	1699332.1340	AE01=AF01
498212.9030	1699361.4800	AE02=AF02
498203.6710	1699386.2890	AE03=AF03
498201.4430	1699409.1880	CENTER BRIDGE

NOTE: ALL CORNERS ARE TRUE NORTH CAROLINA STATE PLANE COORDINATES.
ALL DISTANCES ARE GRID DISTANCES

LINE DATA ALONG JURISDICTIONAL WETLANDS AND STREAMS		
LINE	LENGTH	BEARING
L1	17.78'	N08°19'34"W
L2	30.59'	N75°42'50"W
L3	18.96'	N69°52'37"W
L4	26.20'	N44°44'14"W
L5	26.41'	S05°32'48"W
L6	32.80'	S38°35'26"W
L7	11.16'	S86°18'24"W
L8	37.76'	S07°24'01"W
L9	34.70'	S35°55'38"W
L10	35.21'	S77°10'03"W
L11	33.42'	S13°14'34"E
L12	37.79'	S29°56'39"E
L13	34.93'	S57°09'12"E
L14	26.47'	S69°35'19"E
L15	14.70'	S67°44'46"W
L16	15.83'	S69°55'11"W
L17	23.61'	N63°27'04"W
L18	11.59'	N89°08'05"W
L19	14.43'	S73°37'43"W
L20	1.93'	N01°50'31"E
L21	10.05'	N37°18'52"W
L22	17.22'	N09°10'18"E
L23	23.40'	S48°48'11"E
L24	28.99'	S79°06'27"E
L25	22.42'	N49°08'39"E
L26	10.16'	S49°12'24"E
L27	15.51'	S15°58'17"W
L28	30.80'	N38°47'14"E
L29	45.80'	N40°07'52"E
L30	101.28'	N46°05'42"E
L31	36.16'	N41°32'57"E
L32	57.54'	N45°45'35"W
L33	42.01'	N56°14'46"W
L34	13.15'	N81°20'46"E
L35	66.31'	N46°26'18"E
L36	73.31'	N50°21'56"E
L37	52.71'	N49°45'59"E



SHEET 2 OF 2
WETLAND BOUNDARY
FOR
**NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION**



GRASSY ISLAND ROAD
BRIDGE LABEL 760093
YADKIN RIVER BASIN

