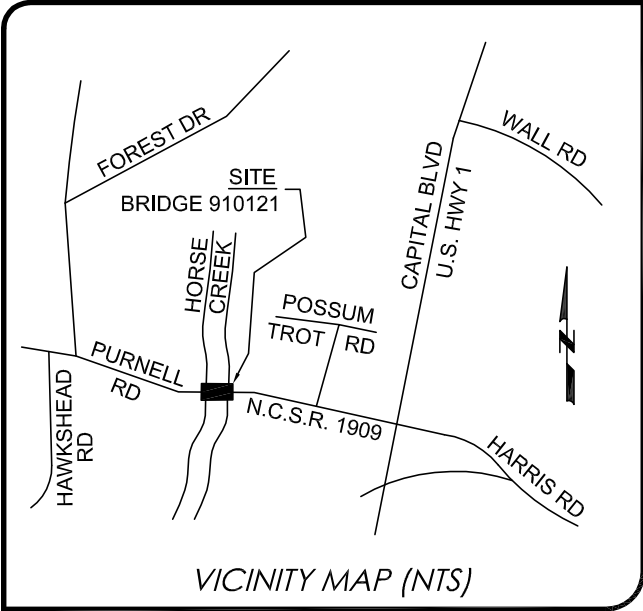




EXISTING BRIDGE AT
PURNELL ROAD
(APRIL 20, 2012)



TOTAL JURISDICTIONAL STREAM AREAS			
JURISDICTIONAL STREAM AREAS	ACREAGE (ACRES)	LINEAR FEET	STREAM WIDTH
1	0.10	235.08	12.5'-27'
TOTAL	0.10	235.08	

SURVEYOR'S CERTIFICATION(S):

SURVEYOR'S DISCLAIMER: NO ATTEMPT WAS MADE TO LOCATE ANY 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 7TH DAY OF MAY, A.D., 2012.

SEAL OR STAMP

Surveyor L-4194

This document originally issued and sealed by John A. Rudolph, license number L-4194, on May 07, 2012. This electronic media shall not be considered a certified document. See the project report for certificate and seal.

WETLAND BOUNDARY FOR NCDOT: NOT FOR RECORDATION

DRAWN BY: FGR

DATE: 05/07/12

DWG. NO.: BRIDGE 910121

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

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 WAKE COUNTY REGISTER OF DEEDS:

- D.B. 11811, PG. 373
- D.B. 3408, PG. 268
- N/F PATE
- D.B. 9543, PG. 1775

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
EOP - EDGE OF PAVEMENT

— — Adjoiner Line

▲ — Flag Along Jurisdictional
Wetlands and Streams

○ — 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
STREAM AREA IS 0.10 ACRES±
AND IS 235.08 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) 3720183200J. ZONE(S): AE, DATED: MAY 2, 2006.

ATKINS

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

SHEET 1 OF 2

WETLAND BOUNDARY
FOR

**NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION**



PURNELL ROAD

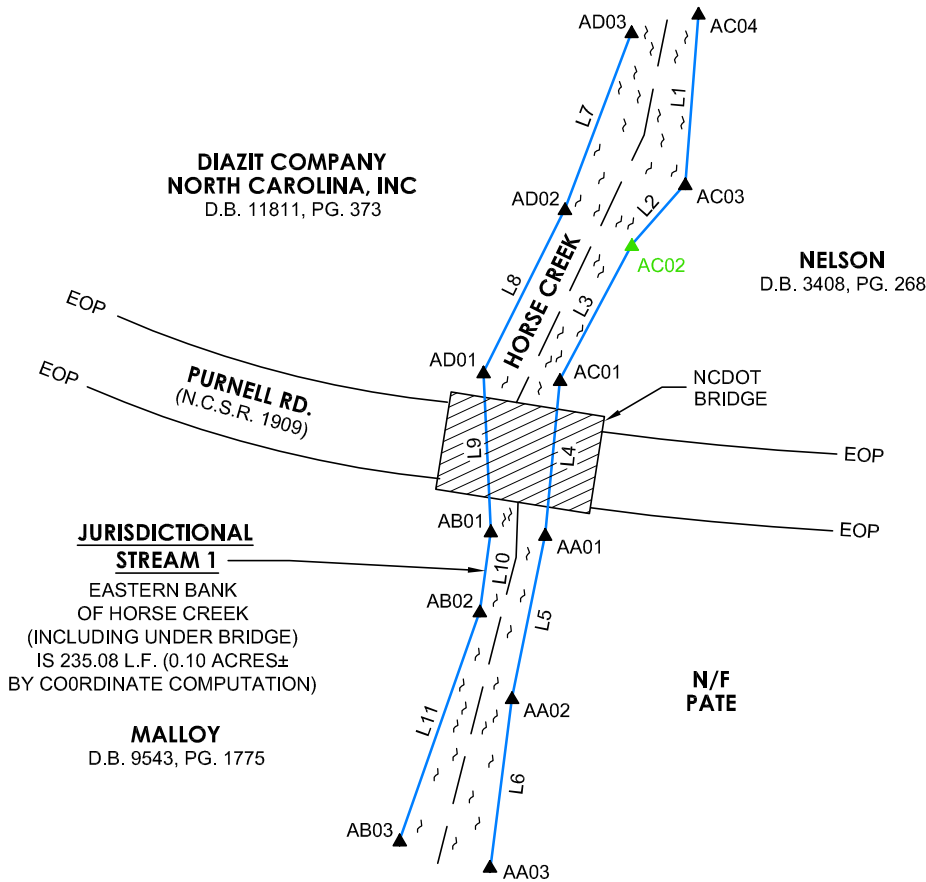
**BRIDGE LABEL 910121
NEUSE RIVER BASIN**

WAKE FOREST TOWNSHIP WAKE COUNTY NORTH CAROLINA

COORDINATES ALONG FLAGGED CORNERS OF JURISDICTIONAL STREAM		
NORTHING	EASTING	FLAG I.D.
821801.7330	2139290.6770	AD01
821844.2950	2139311.8720	AD02
821890.3130	2139329.2460	AD03
821799.7980	2139310.6120	AC01
821834.9370	2139329.2820	AC02 ▲
821850.7730	2139343.2060	AC03
821895.1680	2139346.6390	AC04
821759.4810	2139306.7220	AA01
821716.9390	2139298.1040	AA02
821671.5400	2139292.3630	AA03
821760.3960	2139292.5780	AB01
821739.5370	2139289.7090	AB02
821679.9090	2139268.8610	AB03
821780.7310	2139301.7950	BRIDGE CENTER

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

LINE DATA ALONG JURISDICTIONAL STREAM		
LINE	LENGTH	BEARING
L1	44.53'	S04°25'18"W
L2	21.09'	S41°19'26"W
L3	39.79'	S27°58'57"W
L4	40.50'	S05°30'40"W
L5	43.41'	S11°27'06"W
L6	45.76'	S07°12'26"W
L7	49.19'	S20°41'02"W
L8	47.55'	S26°28'20"W
L9	41.38'	S02°37'59"E
L10	21.06'	S07°49'53"W
L11	63.17'	S19°16'17"W



SHEET 2 OF 2

WETLAND BOUNDARY

FOR

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

PURNELL ROAD

BRIDGE LABEL 910121
NEUSE RIVER BASIN



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