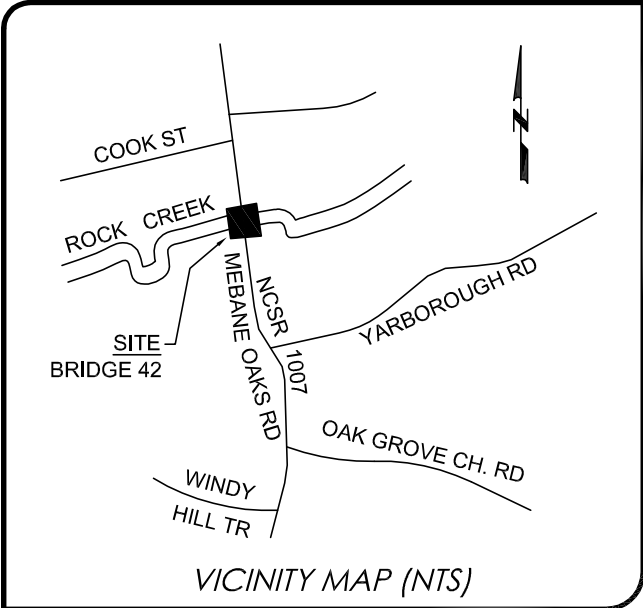




JURISDICTIONAL BOUNDARY CERTIFICATION:

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)

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
- N/F - NOW OR FORMERLY
- 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

TOTAL JURISDICTIONAL WETLAND AREAS	
JURISDICTIONAL WETLAND AREAS	ACREAGE (ACRES)
1	0.03
2	0.01
TOTAL	0.04

TOTAL JURISDICTIONAL STREAM AREAS			
JURISDICTIONAL STREAM AREAS	ACREAGE (ACRES)	LINEAR FEET	STREAM WIDTH
1	0.07	218.18	6.5'-21'
TOTAL	0.07	218.18	

EXISTING BRIDGE AT
MEBANE OAKS ROAD
(APRIL 16, 2012)



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 25TH DAY OF APRIL, A.D., 2012.

SEAL OR STAMP

Surveyor L-4194

"PRELIMINARY PLAT"
NOT FOR RECORDATION,
CONVEYANCES OR SALES

TOTAL WATERS
OF THE UNITED STATES

THE TOTAL JURISDICTIONAL WETLAND AREA IS 0.04 ACRES± BY COORDINATE COMPUTATION

THE TOTAL JURISDICTIONAL STREAM AREA IS 0.07 ACRES± AND IS 218.18 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 UNMAPPED ACCORDING TO FEMA MAP NUMBER(S) 3710982300J, ZONE(S): AE, DATED: SEPTEMBER 6, 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



MEBANE OAKS ROAD

BRIDGE LABEL 670042
CAPE FEAR RIVER BASIN

BINGHAM TOWNSHIP
CHEEKS TOWNSHIP

ORANGE COUNTY

NORTH CAROLINA

DRAWN BY: FGR

DATE: 04/30/12

DWG. NO.: BRIDGE 42

SURVEYED BY: J.A.R.

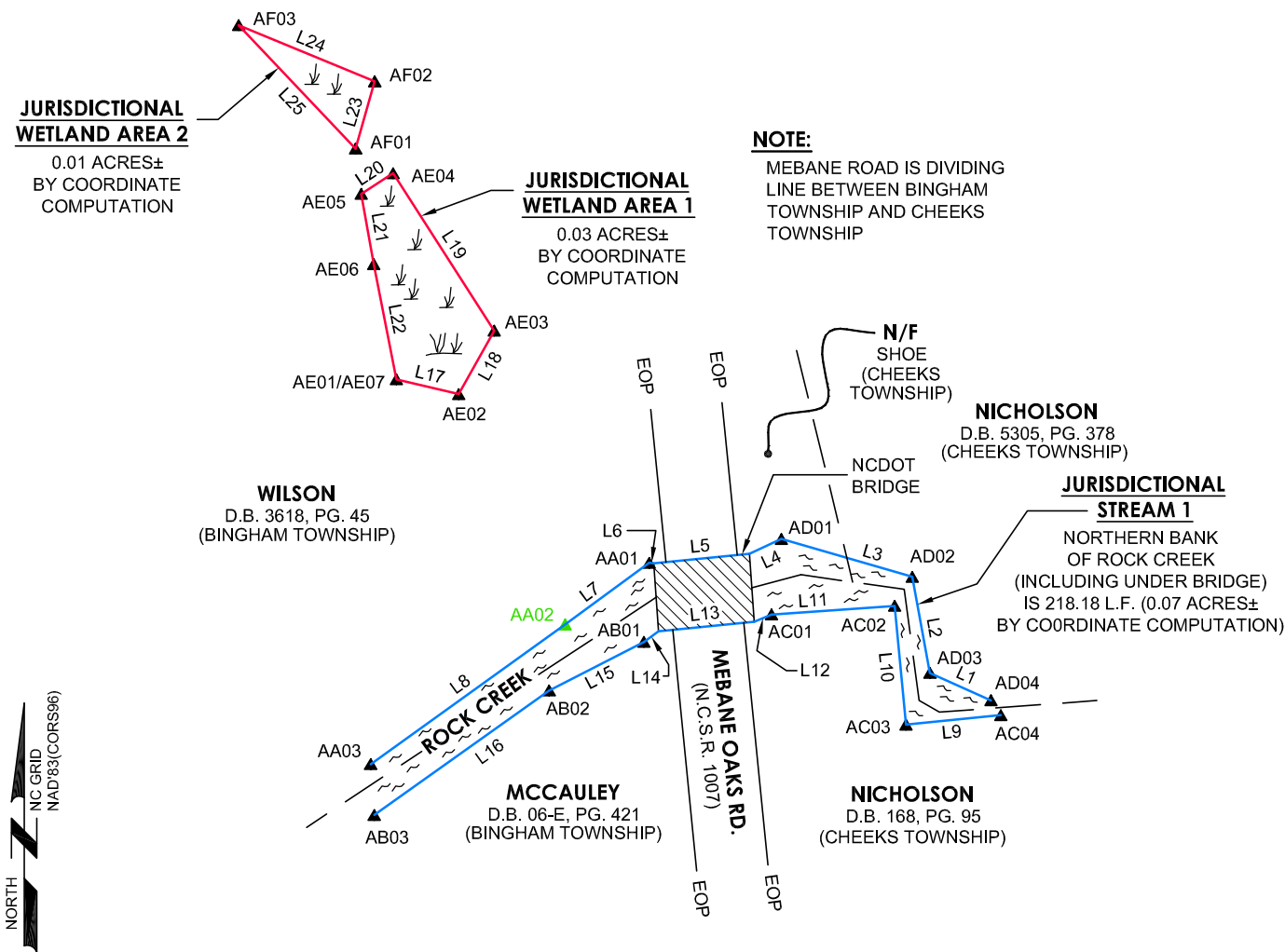


5688 U.S. Hwy. 70 East
Goldsboro, NC 27534
Tel.: (919) 751-0075
Fax: (919) 778-9087
k2design@suddenlink.net
Firm License No. C-2111

COORDINATES ALONG FLAGGED CORNERS OF JURISDICTIONAL STREAMS AND WETLANDS		
NORTHING	EASTING	FLAG I.D.
831284.9910	1923204.7760	AB01
831271.4100	1923178.3260	AB02
831236.6060	1923129.4300	AB03
831307.1240	1923206.2710	AA01
831289.8880	1923182.8070	AA02 ▲
831250.8470	1923128.4290	AA03
831292.6750	1923240.4590	AC01
831295.0890	1923274.8610	AC02
831261.8910	1923278.0280	AC03
831264.5280	1923304.5270	AC04
831313.7760	1923243.2100	AD01
831303.2030	1923279.7980	AD02
831276.3410	1923284.7160	AD03
831268.6500	1923301.7910	AD04
831358.3830	1923135.6180	AE01=AE07
831354.2700	1923153.0430	AE02
831371.9810	1923162.9570	AE03
831416.0220	1923134.7250	AE04
831410.2350	1923125.7850	AE05
831390.6160	1923129.3120	AE06
831422.8850	1923124.2400	AF01
831441.6940	1923129.5780	AF02
831457.3960	1923091.5440	AF03
831301.2360	1923222.8760	BRIDGE CENTER

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	18.73'	N65°45'07"W
L2	27.31'	N10°22'30"W
L3	38.09'	N73°52'55"W
L4	9.88'	S65°03'12"W
L5	26.82'	S84°18'36"W
L6	1.30'	N82°20'27"W
L7	29.11'	S53°42'00"W
L8	66.94'	S54°19'24"W
L9	26.63'	S84°19'01"W
L10	33.35'	N05°26'58"W
L11	34.49'	S85°59'10"W
L12	5.26'	S67°31'49"W
L13	26.82'	S84°18'36"W
L14	5.11'	S53°52'02"W
L15	29.73'	S62°49'17"W
L16	60.02'	S54°33'25"W
L17	17.90'	S76°43'08"E
L18	20.30'	N29°14'19"E
L19	52.31'	N32°39'41"W
L20	10.65'	S57°05'04"W
L21	19.93'	S10°11'29"E
L22	32.84'	S11°04'10"E
L23	19.55'	N15°50'38"E
L24	41.15'	N67°34'02"W
L25	47.54'	S43°27'11"E



NOTE:
MEBANE ROAD IS DIVIDING
LINE BETWEEN BINGHAM
TOWNSHIP AND CHEEKS
TOWNSHIP

SHEET 2 OF 2

WETLAND BOUNDARY

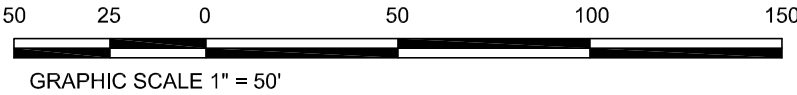
FOR

**NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION**

MEBANE OAKS ROAD

**BRIDGE LABEL 670042
CAPE FEAR RIVER BASIN**

BINGHAM TOWNSHIP ORANGE COUNTY NORTH CAROLINA
CHEEKS TOWNSHIP



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