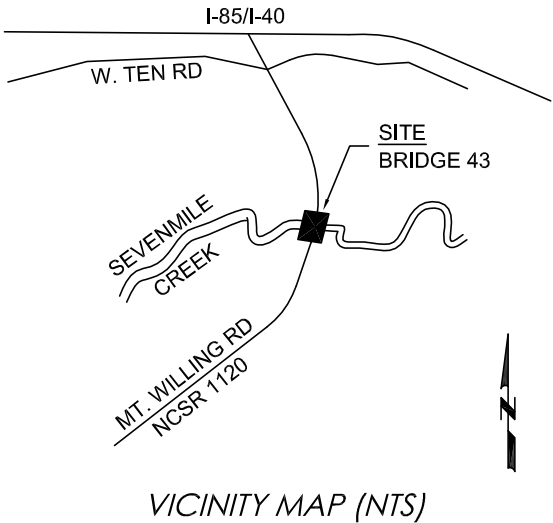




EXISTING BRIDGE AT
MT. WILLING ROAD
(APRIL 09, 2012)



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
- 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

DEED REFERENCE(S):

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

- D.B. 2037, PG. 91
- D.B. 2431, PG. 827
- D.B. 2346, PG. 291

TOTAL WATERS
OF THE UNITED STATES

THE TOTAL JURISDICTIONAL
STREAM AREA IS 0.21 ACRES±
AND IS 178.40 LINEAR FEET BY
COORDINATE COMPUTATION

TOTAL JURISDICTIONAL
STREAM AREAS

JURISDICTIONAL STREAM AREAS	ACREAGE (ACRES)	LINEAR FEET	STREAM WIDTH
1	0.21	178.40	9'-60'
TOTAL	0.21	178.40	

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 30TH DAY OF APRIL, A.D., 2012.

SEAL OR STAMP

Surveyor L-4194

"PRELIMINARY PLAT"
NOT FOR RECORDATION,
CONVEYANCES OR SALES

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) 3710985400J, ZONE(S): AE, DATED: FEBRUARY 2, 2007.

ATKINS

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

SHEET 1 OF 2

WETLAND BOUNDARY

FOR

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION



MT. WILLING ROAD

BRIDGE LABEL 670043
NEUSE RIVER BASIN

CHEEKS TOWNSHIP ORANGE COUNTY NORTH CAROLINA

DRAWN BY: FGR

DATE: 04/30/12

DWG. NO.: BRIDGE 43

SURVEYED BY: J.A.R.

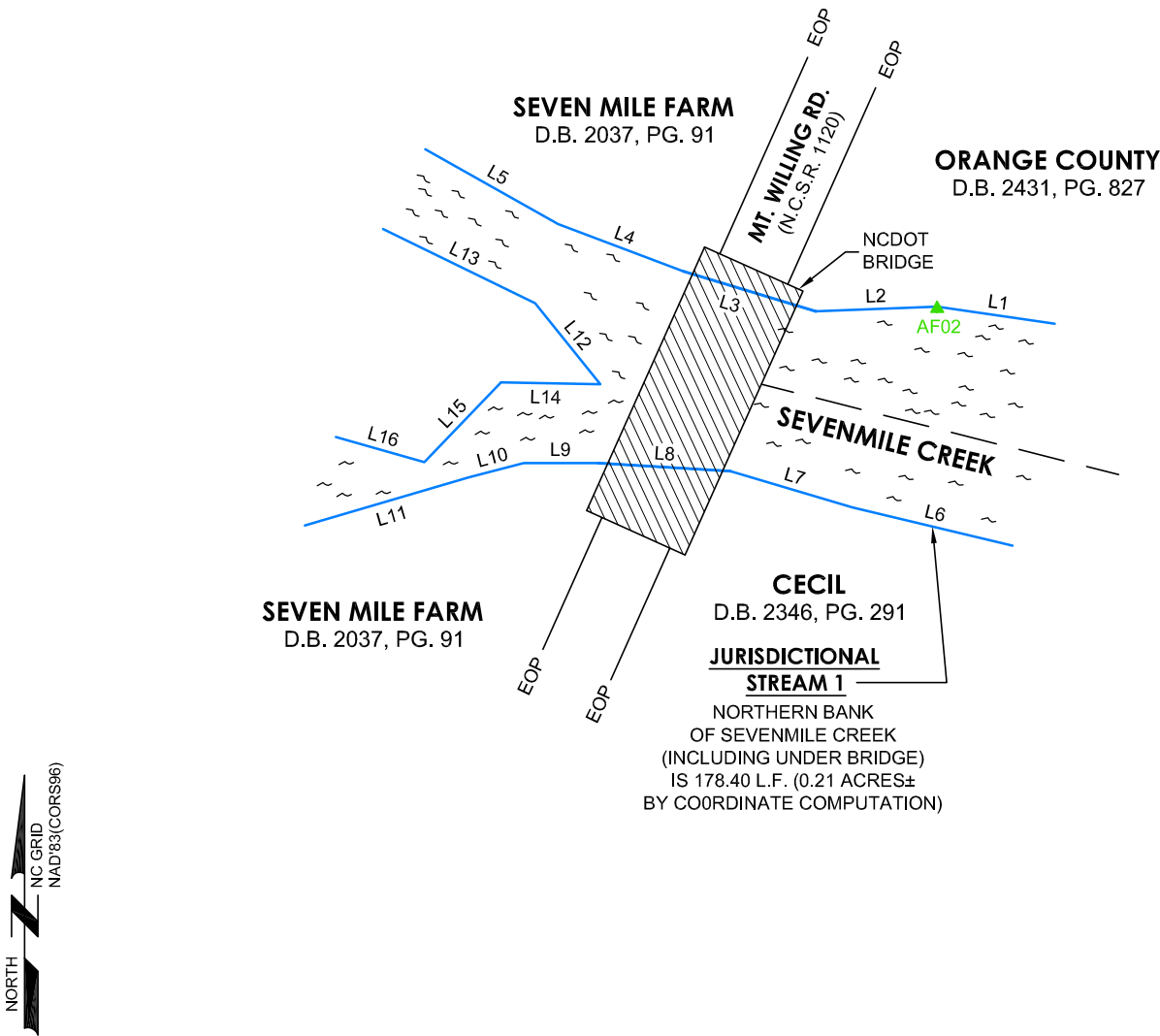


5688 U.S. Hwy. 70 East
Goldsboro, NC 27534
Tel.: (919) 751-0075
Fax: (919) 778-9087
k2design@suddenlink.net
Firm License No. C-2111

COORDINATES ALONG FLAGGED CORNERS OF JURISDICTIONAL STREAMS		
NORTHING	EASTING	FLAG I.D.
842958.4340	1950148.7420	AA01
842971.1050	1950115.1640	AA02
842991.1750	1950079.5640	AA03
842906.9630	1950125.9890	AD01
842906.9880	1950105.9050	AD02
842903.1500	1950091.2070	AD03
842890.2490	1950047.1580	AD04
842947.7320	1950184.3780	AF01
842948.9120	1950216.9480	AF02 ▲
842944.3670	1950248.4700	AF03
842904.8310	1950161.4100	AE01
842895.0850	1950194.2620	AE02
842884.8260	1950237.1400	AE03
842928.0860	1950126.5420	AB01=AC01
842949.8940	1950109.0220	AB02
842969.8030	1950068.2110	AB03
842928.5870	1950099.8580	AC02
842907.1860	1950079.2670	AC03
842913.9220	1950055.5470	AC04
842938.0991	1950156.7947	CENTER BRIDGE

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

LINE DATA ALONG JURISDICTIONAL STREAM		
LINE	LENGTH	BEARING
L1	31.85'	N81°47'43"W
L2	32.59'	S87°55'30"W
L3	37.21'	N73°17'03"W
L4	35.89'	N69°19'32"W
L5	40.87'	N60°35'14"W
L6	44.09'	N76°32'40"W
L7	34.27'	N73°28'35"W
L8	35.49'	N86°33'20"W
L9	20.08'	N89°55'43"W
L10	15.19'	S75°21'56"W
L11	45.90'	S73°40'33"W
L12	27.97'	N38°46'39"W
L13	45.41'	N63°59'43"W
L14	26.69'	N88°55'28"W
L15	29.70'	S43°53'42"W
L16	24.66'	N74°08'47"W



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SHEET 2 OF 2

WETLAND BOUNDARY

FOR



NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

MT. WILLING ROAD

BRIDGE LABEL 670043
NEUSE RIVER BASIN

