

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id. SAW-2012-00291County: PenderU.S.G.S. Quad: Topsail

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner: Pender County Public Utilities
attn: Michael Mack
Address: P.O. Box 1047
Burgaw, NC 28425

Agent: Hampstead Properties, LLC
attn: Cynthia M. Roberts
Address: 4721 Emperor Boulevard, Suite 300
Durham, NC 27703

Property description:

Size (acres)	<u>16.86</u>	Nearest Town	<u>Hampstead</u>
Nearest Waterway	<u>UT to Old Topsail Creek</u>	River Basin	<u>White Oak</u>
USGS HUC	<u>03020302</u>	Coordinates	<u>34.690034 N -77.516326 W</u>

Location description: The property is located at 248 Transfer Station Road, approximately 0.3 mi. south of its intersection with US 17, in Hampstead, Pender County, North Carolina. PIN: 4203-17-8616-0000.

Indicate Which of the Following Apply:

A. Preliminary Determination

- Based on preliminary information, there may be wetlands on the above described property. We strongly suggest you have this property inspected to determine the extent of Department of the Army (DA) jurisdiction. To be considered final, a jurisdictional determination must be verified by the Corps. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331).

B. Approved Determination

- There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- There are wetlands on the above described property subject to the permit requirements of Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

We strongly suggest you have the wetlands on your property delineated. Due to the size of your property and/or our present workload, the Corps may not be able to accomplish this wetland delineation in a timely manner. For a more timely delineation, you may wish to obtain a consultant. To be considered final, any delineation must be verified by the Corps.

The waters of the U.S. including wetlands on your property have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.

The wetlands have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on 11/1/2012. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- There are no waters of the U.S., to include wetlands, present on the above described project area which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Wilmington, NC, at (910) 395-3900 to determine their requirements.

Placement of dredged or fill material within waters of the US and/or wetlands without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). If you have any questions regarding this determination and/or the Corps regulatory program, please contact Mr. David E. Bailey at (910) 251-4469 / David.E.Bailey2@usace.army.mil.

C. Basis For Determination

The site exhibits wetland criteria as defined in the 1987 Corps Wetland Delineation Manual and applicable Regional Supplements. The wetlands on-site are adjacent to an unnamed tributary (UT) to Old Topsail Creek, a Relatively Permanent Water (RPW) which flows into another UT to Old Topsail Creek (RPW) that becomes a Traditionally Navigable Water. This determination is based on a site verification by David E. Bailey of the U.S. Army Corps of Engineers on 2/1/2012.

D. Remarks

Wetlands and other Waters of the US on the subject property were delineated by Brent Ashley with changes made in the field by David E. Bailey (USACE)

E. Attention USDA Program Participants

This delineation/determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

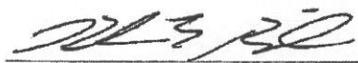
F. Appeals Information (This information applies only to approved jurisdictional determinations as indicated in B. above)

This correspondence constitutes an approved jurisdictional determination for the above described site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and request for appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

US Army Corps of Engineers
South Atlantic Division
Attn: Jason Steele, Review Officer
60 Forsyth Street SW, Room 10M15
Atlanta, Georgia 30303-8801

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the District Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by **December 31, 2012.**

****It is not necessary to submit an RFA form to the District Office if you do not object to the determination in this correspondence.****

Corps Regulatory Official: 

Date **November 1, 2012**

Expiration Date **November 1, 2017**

Copy furnished:

Joanne Steenhuis, NCDENR-DWQ, 127 Cardinal Drive Extension, Wilmington, NC 28405
Robert Sessoms & Associates, PLLC, 4033 Chandler Drive, Wilmington, NC 28405
Brent Ashley, 1461 Final Landing Drive, Wilmington, NC 28411

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: Pender County	File Number: SAW-2012-00291	Date: November 1, 2012
Attached is:		See Section below
<input type="checkbox"/> INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)		A
<input type="checkbox"/> PROFFERED PERMIT (Standard Permit or Letter of permission)		B
<input type="checkbox"/> PERMIT DENIAL		C
<input checked="" type="checkbox"/> APPROVED JURISDICTIONAL DETERMINATION		D
<input type="checkbox"/> PRELIMINARY JURISDICTIONAL DETERMINATION		E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <http://www.usace.army.mil/inet/functions/cw/cecwo/reg> or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the district engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

**District Engineer, Wilmington Regulatory Division,
attn: David E. Bailey, Regulatory Specialist
Wilmington Regulatory Field Office
69 Darlington Avenue
Wilmington, North Carolina 28403**

If you only have questions regarding the appeal process you may also contact:

**Mr. Jason Steele, Administrative Appeal Review Officer
CESAD-PDO
U.S. Army Corps of Engineers, South Atlantic Division
60 Forsyth Street, Room 10M15
Atlanta, Georgia 30303-8801
Phone: (404) 562-5137**

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.

Date:

Telephone number:

For appeals on Initial Proffered Permits send this form to:

District Engineer, Wilmington Regulatory Division, attn: David E. Bailey, Regulatory Specialist, 69 Darlington Avenue, Wilmington, North Carolina 28403

For Permit denials, Proffered Permits and approved Jurisdictional Determinations send this form to:

**Division Engineer, Commander, U.S. Army Engineer Division, South Atlantic, Attn: Mr. Jason Steele, Administrative Appeal Officer, CESAD-PDO, 60 Forsyth Street, Room 10M15, Atlanta, Georgia 30303-8801
Phone: (404) 562-5137**

MAP OF
EXISTING WETLANDS FOR
HAMPSTEAD PROPERTIES, LLC
ON PENDER COUNTY PROPERTY
& SANITATION SITE
TOPSAIL TOWNSHIP
PENDER COUNTY, NORTH CAROLINA

CERTIFICATE OF THE
U.S. ARMY CORPS OF ENGINEERS:

THIS CERTIFICATE THAT THIS COPY OF THIS PLAT ACCURATELY DEPICTS THE BOUNDARY OF THE JURISDICTION OF SECTION 404 OF THE CLEAN WATER ACT AS DETERMINED BY THE UNDERSIGNED ON THIS DATE, 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.

SIGNATURE, U.S. ARMY CORPS OF ENGINEERS OFFICIAL TITLE DATE
David E. Baier *Regulating Specialist* *11/1/2012*

EXPIRATION DATE OF DELINEATION: *11/1/2017*
USACE ACTION ID: *SAL-2012-00291*
Availability for sheets 1-3

NOTES

1. SURVEY WAS PERFORMED FEBRUARY 2012 AND WETLANDS SHOWN WERE FIELD LOCATED DURING THAT TIME
2. ALL AREAS CALCULATED BY COORDINATE METHOD.
3. THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A CERTIFIED TITLE REPORT.
4. NO PORTION OF THIS PARCEL IS WITHIN AN AREA OF SPECIAL FLOOD HAZARD AS DETERMINED BY DFRM MAP NUMBER 37204203000, EFFECTIVE FEBRUARY 16, 2006.
5. WETLANDS AS SHOWN WERE DELINEATED BY OTHERS AND WERE VERIFIED BY US ARMY CORPS OF ENGINEERS ON FEBRUARY 2, 2012.
6. THIS MAP IS SOLELY FOR THE PURPOSE OF SHOWING THE EXISTING WETLANDS ON THE SUBJECT PROPERTY. NO ACTUAL BOUNDARY SURVEY WAS PERFORMED FOR THIS MAP. BOUNDARY INFORMATION AND AREAS SHOWN WAS INPUT FROM RECORD INFORMATION AND EXISTING CORNERS SHOWN WERE LOCATED WITHOUT A CLOSED TRAVERSE. THIS MAP SHOULD NOT BE USED FOR ANY REAL ESTATE SALES, RECORDATION OR CONVEYANCE. A FULL BOUNDARY SURVEY SHOULD BE COMPLETED PRIOR TO ANY TRANSFER OF TITLE.

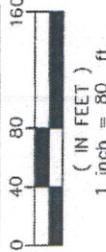
SURVEYORS CERTIFICATE

I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, BEING THE SAME PROPERTY DESCRIBED ON THE FACE OF THIS PLAT, AND THAT THE ERROR OF CLOSURE AS CALCULATED BY COMPUTER IS 1/10,000+, AND THAT THE BOUNDARIES NOT SURVEYED THAT ARE SHOWN WERE PLOTTED FROM THE REFERENCED RECORD INFORMATION;
THAT THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET;
THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA AND WITNESS BY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 15TH DAY OF OCTOBER, A.D., 2012.



Robert G. Sessoms
ROBERT G. SESSOMS
PROFESSIONAL LAND SURVEYOR
LICENSE NUMBER 4869

GRAPHIC SCALE



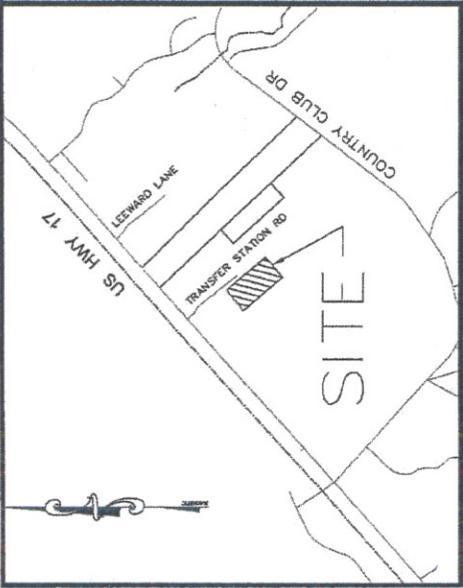
SHEET INDEX

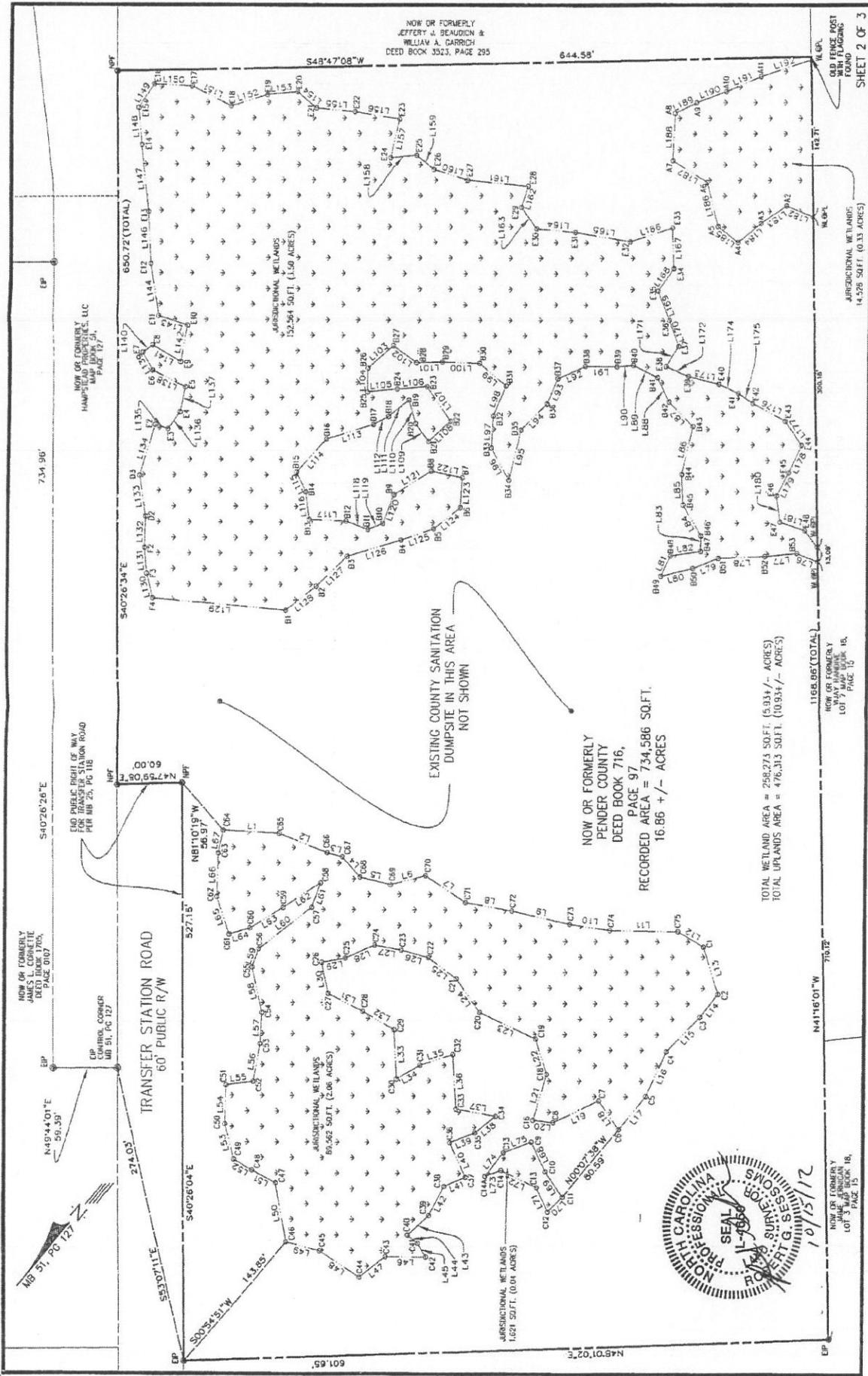
- 1 - COVER SHEET AND CERTIFICATES
- 2 - EXISTING WETLANDS
- 3 - LINE TABLE FOR WETLANDS

LEGEND

- NPF - NO POINT FOUND
- EIP - EXISTING IRON PIPE
- WF - WETLAND FLAG
- WL - WETLAND LINE
- PL - PROPERTY LINE
- R/W - RIGHT OF WAY
- ⊙ - EXISTING IRON PIPE
- - LOCATED WETLAND FLAG

SCALE 1" = 80'	DATE 10/15/2012		Robert Sessoms & Associates, PLLC Professional Land Surveyors NC LICENSE # P-0884 4099 CANDLER DRIVE WILMINGTON, NC 28405 PH - 910-962-8946 EMAIL - RSSESSOM@RSSESSURVING.COM
DRAWN BY RCS	RSA PROJECT #11.112		
SHEET 1 OF 3			





NOW OR FORMERLY
JEFFERY J. BEAUDICH &
WILLIAM A. GARRICH
DEED BOOK 3523, PAGE 295

SHEET 2 OF 3

NOW OR FORMERLY
HAMPTON PROPERTIES, LLC
MAP BOOK 21,
PAGE 17

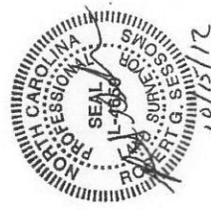
NOW OR FORMERLY
JAMES L. CORNETTE
DEED BOOK 0107/00A,
PAGE 0107/00A

TRANSFER STATION ROAD
60' PUBLIC R/W

EXISTING COUNTY SANITATION
DUMPSITE IN THIS AREA
NOT SHOWN

NOW OR FORMERLY
PENDER COUNTY
DEED BOOK 716,
PAGE 97
RECORDED AREA = 734.586 SQ.FT.
16.86 +/- ACRES

TOTAL WETLAND AREA = 258,274 SQ.FT. (5.934 +/- ACRES)
TOTAL UPLANDS AREA = 476,313 SQ.FT. (10.934 +/- ACRES)



NOW OR FORMERLY
WAYMAN, JR.,
MAP BOOK 18,
PAGE 10

NOW OR FORMERLY
LOT 3, MAP BOOK 18,
PAGE 15

JURISDICTIONAL WETLANDS
14,526 SQ.FT. (0.33 ACRES)

1168.06 (TOTAL)

734.96'

S40°26'26"E

N49°44'01"E
59.39'

S40°26'04"E

527.15'

500°24'51"W

143.89'

527.15'

N81°10'15"W

246.91'

60.00'

N47°55'05"E

60.00'

S40°26'34"E

1130.13'

L130, L131, L132, L133, L134

650.72 (TOTAL)

S48°47'08"W

644.58'

L140, L141, L142, L143, L144, L145, L146, L147, L148, L149, L150, L151, L152, L153, L154, L155, L156, L157, L158, L159, L160, L161, L162, L163, L164, L165, L166, L167, L168, L169, L170, L171, L172, L173, L174, L175, L176, L177, L178, L179, L180, L181, L182, L183, L184, L185, L186, L187, L188, L189, L190, L191, L192, L193, L194, L195, L196, L197, L198, L199, L200, L201, L202, L203, L204, L205, L206, L207, L208, L209, L210, L211, L212, L213, L214, L215, L216, L217, L218, L219, L220, L221, L222, L223, L224, L225, L226, L227, L228, L229, L230, L231, L232, L233, L234, L235, L236, L237, L238, L239, L240, L241, L242, L243, L244, L245, L246, L247, L248, L249, L250, L251, L252, L253, L254, L255, L256, L257, L258, L259, L260, L261, L262, L263, L264, L265, L266, L267, L268, L269, L270, L271, L272, L273, L274, L275, L276, L277, L278, L279, L280, L281, L282, L283, L284, L285, L286, L287, L288, L289, L290, L291, L292, L293, L294, L295, L296, L297, L298, L299, L300, L301, L302, L303, L304, L305, 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L638, L639, L640, L641, L642, L643, L644, L645, L646, L647, L648, L649, L650, L651, L652, L653, L654, L655, L656, L657, L658, L659, L660, L661, L662, L663, L664, L665, L666, L667, L668, L669, L670, L671, L672, L673, L674, L675, L676, L677, L678, L679, L680, L681, L682, L683, L684, L685, L686, L687, L688, L689, L690, L691, L692, L693, L694, L695, L696, L697, L698, L699, L700, L701, L702, L703, L704, L705, L706, L707, L708, L709, L710, L711, L712, L713, L714, L715, L716, L717, L718, L719, L720, L721, L722, L723, L724, L725, L726, L727, L728, L729, L730, L731, L732, L733, L734, L735, L736, L737, L738, L739, L740, L741, L742, L743, L744, L745, L746, L747, L748, L749, L750, L751, L752, L753, L754, L755, L756, L757, L758, L759, L760, L761, L762, L763, L764, L765, L766, L767, L768, L769, L770, L771, L772, L773, L774, L775, L776, L777, L778, L779, L780, L781, L782, L783, L784, L785, L786, L787, L788, L789, L790, L791, L792, L793, L794, L795, L796, L797, L798, L799, L800, L801, L802, L803, L804, L805, L806, L807, L808, L809, L810, L811, L812, L813, L814, L815, L816, L817, L818, L819, L820, L821, L822, L823, L824, L825, L826, L827, L828, L829, L830, L831, L832, L833, L834, L835, L836, L837, L838, L839, L840, L841, L842, L843, L844, L845, L846, L847, L848, L849, L850, L851, L852, L853, L854, L855, L856, L857, L858, L859, L860, L861, L862, L863, L864, L865, L866, L867, L868, L869, L870, L871, L872, L873, L874, L875, L876, L877, L878, L879, L880, L881, L882, L883, L884, L885, L886, L887, L888, L889, L890, L891, L892, L893, L894, L895, L896, L897, L898, L899, L900, L901, L902, L903, L904, L905, L906, L907, L908, L909, L910, L911, L912, L913, L914, L915, L916, L917, L918, L919, L920, L921, L922, L923, L924, L925, L926, L927, L928, L929, L930, L931, L932, L933, L934, L935, L936, L937, L938, L939, L940, L941, L942, L943, L944, L945, L946, L947, L948, L949, L950, L951, L952, L953, L954, L955, L956, L957, L958, L959, L960, L961, L962, L963, L964, L965, L966, L967, L968, L969, L970, L971, L972, L973, L974, L975, L976, L977, L978, L979, L980, L981, L982, L983, L984, L985, L986, L987, L988, L989, L990, L991, L992, L993, L994, L995, L996, L997, L998, L999, L1000

LINE TABLE

LINE	BEARING	LENGTH	LINE	BEARING	LENGTH									
L1	S52°54'35"W	52.38	L49	N64°11'05"E	32.40	L97	S37°04'26"E	28.99	L146	S42°51'27"E	47.11			
L2	S71°03'46"W	48.48	L50	S50°18'13"E	55.03	L98	S17°03'20"E	30.00	L147	S45°51'48"E	61.34			
L3	S64°48'26"W	14.47	L51	N76°53'41"E	25.54	L99	N88°34'07"E	32.26	L148	S45°11'09"E	34.00			
L4	N62°35'08"W	24.70	L52	N80°01'24"E	19.35	L100	N51°38'26"E	35.00	L149	S06°44'05"E	25.78			
L5	S63°46'20"W	29.32	L53	S54°12'29"E	33.61	L101	N48°36'11"E	23.81	L150	S52°39'32"W	34.87			
L6	S35°28'19"W	33.27	L54	S38°39'23"E	35.43	L102	N85°36'39"E	26.17	L151	S76°49'00"W	40.23			
L7	S83°10'52"W	44.63	L55	S42°35'39"W	25.02	L103	N08°45'18"E	31.12	L152	S32°50'14"W	35.31			
L8	S59°39'17"W	44.64	L56	S29°13'22"E	35.02	L104	N39°34'09"W	21.33	L153	S44°35'03"W	28.35			
L9	S62°33'26"W	55.47	L57	S36°50'39"E	28.49	L105	S44°27'44"W	27.72	L154	S89°34'03"W	23.18			
L10	S58°26'40"W	37.50	L58	S53°24'14"E	42.43	L106	S45°04'22"W	27.29	L155	S55°13'35"W	36.01			
L11	S50°55'29"W	62.95	L59	S19°35'38"E	17.76	L107	N74°50'31"W	38.34	L156	S58°57'18"W	42.00			
L12	S80°16'59"W	27.51	L60	S12°29'26"W	62.79	L108	N07°19'21"E	27.31	L157	N27°26'14"W	36.25			
L13	N57°33'20"W	45.13	L61	S19°56'29"E	23.98	L109	S76°25'48"E	20.18	L158	S44°14'47"W	23.82			
L14	N01°37'57"W	26.89	L62	N17°01'58"E	42.18	L110	S56°20'31"E	22.31	L159	S88°44'57"W	20.66			
L15	N04°29'59"E	44.00	L63	N18°46'45"E	36.36	L111	N11°05'56"E	24.06	L160	S67°09'43"W	32.91			
L16	N15°21'51"W	45.00	L64	N33°35'24"E	20.03	L112	N22°18'41"E	15.66	L161	S55°25'03"W	56.98			
L17	N01°05'51"W	39.00	L65	S58°41'37"E	35.99	L113	N33°08'16"E	45.62	L162	N22°42'36"W	20.09			
L18	S74°44'52"E	32.00	L66	S38°11'07"E	39.81	L114	N02°44'54"E	41.00	L163	N76°21'39"W	24.24			
L19	N24°55'14"E	47.13	L67	S27°53'46"E	21.43	L115	N66°11'26"W	20.00	L164	S54°57'57"W	35.79			
L20	N56°40'16"E	18.84	L68	N65°52'54"W	30.00	L116	N47°41'01"W	25.11	L165	S59°25'05"W	51.43			
L21	S23°09'17"E	43.63	L69	N74°58'09"W	28.43	L117	S52°15'11"W	34.57	L166	S32°17'30"W	41.00			
L22	S57°56'06"E	33.95	L70	N04°47'58"E	19.46	L118	S70°16'55"W	21.69	L167	N42°49'12"W	36.98			
L23	N74°18'23"E	58.73	L71	S64°57'19"E	24.73	L119	S27°59'04"W	14.95	L168	N04°11'35"W	25.00			
L24	S75°33'22"E	37.53	L72	N74°56'33"E	37.05	L120	S18°29'50"E	27.91	L169	N61°44'02"W	28.67			
L25	N85°51'41"E	32.52	L73	N30°29'21"E	16.19	L121	S17°38'20"W	40.35	L170	N61°00'46"W	25.66			
L26	N65°09'07"E	25.64	L74	S01°26'50"E	27.76	L122	S61°53'26"W	29.45	L171	N07°22'51"W	21.70			
L27	N60°32'20"E	25.15	L75	S29°38'27"W	28.06	L123	N36°10'35"W	27.04	L172	S73°10'15"W	22.87			
L28	N26°08'56"E	29.92	L76	N71°05'51"E	20.72	L124	N11°40'07"E	31.24	L173	S63°32'38"W	29.15			
L29	N39°44'23"E	22.44	L77	N44°37'17"E	30.18	L125	N31°07'17"E	31.56	L174	S75°34'56"W	20.11			
L30	N52°28'25"W	28.81	L78	N48°03'12"E	43.58	L126	N33°14'00"E	52.19	L175	S83°17'30"W	16.37			
L31	S76°26'54"W	36.36	L79	N28°45'21"E	25.56	L127	N06°52'08"E	39.92	L176	S77°49'19"W	34.56			
L32	S79°47'59"W	33.79	L80	N36°40'39"E	30.48	L128	N12°08'35"E	35.72	L177	N75°12'54"W	26.85			
L33	N43°02'06"W	45.00	L81	S14°06'53"E	20.53	L129	N54°59'33"E	123.24	L178	N14°21'04"W	27.49			
L34	S19°08'51"W	25.00	L82	S41°37'19"W	28.21	L130	S54°09'59"E	23.09	L179	N11°41'35"W	24.00			
L35	S32°12'33"W	32.00	L83	S38°46'35"E	13.96	L131	S45°19'30"E	23.43	L180	N47°59'11"W	23.71			
L36	N43°54'10"W	49.63	L84	S70°49'09"E	32.70	L132	S38°38'24"E	28.42	L181	S68°15'06"W	25.00			
L37	S60°01'16"W	38.00	L85	S43°00'02"E	27.67	L133	S49°07'37"E	37.54	L182	N71°40'54"E	26.74			
L38	N12°34'39"E	25.00	L86	S27°10'53"E	44.69	L134	S23°00'13"E	48.22	L183	N16°32'37"E	28.68			
L39	N28°27'30"E	25.00	L87	S85°10'17"E	31.61	L135	S68°21'03"W	12.38	L184	N10°38'57"E	27.52			
L40	N64°50'51"W	34.71	L88	S66°03'01"E	24.60	L136	S04°35'22"E	18.75	L185	N87°46'39"E	23.83			
L41	N26°58'18"E	21.49	L89	N76°14'26"E	25.00	L137	S28°43'13"E	23.36	L186	S54°45'53"E	41.46			
L42	N12°36'34"W	30.44	L90	N44°49'28"E	15.00	L138	N76°15'09"E	33.80	L187	N81°34'14"E	37.76			
L43	N07°34'13"E	26.57	L91	N50°37'42"E	28.89	L139	S69°25'36"E	18.59	L188	S37°38'43"E	43.01			
L44	S07°51'15"W	12.02	L92	N26°33'11"E	28.00	L140	S13°37'29"W	11.21	L189	S23°59'13"W	22.24			
L45	N70°15'56"W	14.38	L93	N16°21'03"W	25.00	L141	S80°04'52"W	29.94	L190	S29°56'34"W	29.35			
L46	N50°06'03"E	37.19	L94	N05°03'41"E	33.79	L142	S29°27'07"E	33.98	L191	S27°11'07"W	35.12			
L47	N12°36'24"E	30.52	L95	N26°14'14"W	46.81	L143	N68°21'11"E	27.71	L192	S32°00'44"W	49.17			
L48	N82°23'03"E	44.37	L96	S69°12'29"E	33.46	L144	S50°01'12"E	48.19						



10/15/12