I, WILLIAM H. McCARTHY, JR. N.C.P.L.S.#3248, CERTIFY THAT THE N.C. GRID COORDINATES AND BEARINGS SHOWN ON THIS PLAT OR DOCUMENT WERE DETERMINED BY AN ACTUAL GPS SURVEY PERFORMED BY ME. THAT I USED VRS SURVEY FIELD PROCEDURES AND THAT THIS SURVEY WAS PERFORMED ON FEBRUARY 23, 2009 USING ONE TRIMBLE 5700 RECEIVER. ALL COORDINATES ARE BASED ON NAD 83/07, NAVD 88.

I HEREBY CERTIFY THAT THIS PLAT IS OF THE FOLLOWING TYPE:
G.S. 47-30 (7)(11)(C)(2). THIS SURVEY IS OF AN EXISTING BUILDING OR OTHER STRUCTURE, OR NATURAL FEATURE, SUCH AS A WATERCOURSE.

"I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (EXCEPT DESCRIPTION RECORDED IN BOOK/PAGE(AS NOTED HEREON) OR OTHER REFERENCE SOURCE(AS NOTED HEREON)); THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DRAWN FROM INFORMATION IN BOOK/PAGE(AS NOTED HEREON) OR OTHER REFERENCE SOURCE(AS NOTED HEREON); THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY IS 1/10000+; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56. 1600)."
THIS MAP WAS DRAWN IN ACCORDANCE WITH G.S. 47.30. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 15TH DAY OF JULY 2009.

NORTH CAROLINA PROFESSIONAL SEAL L-3248 LAND SURVEYOR WILLIAM H. McCARTHY, JR.

PROFESSIONAL LAND SURVEYOR — REG. NUMBER L-3248

SUMMIT CONSULTING-ENGINEERING, ARCHITECTURE AND SURVEYING, PLLC. — REG. NUMBER P-0339

NOTE "A"
ALL DISTANCES ARE HORIZONTAL GROUND AND AREA BY COORDINATE COMPUTATION, EXCEPT AS NOTED OTHERWISE.

NOTE "B"
THIS SURVEY WAS DONE WITHOUT A TITLE SEARCH AND IS BASED ON DOCUMENTED EASEMENTS OF RECORD. THERE MAY EXIST OTHER EASEMENTS OF RECORD WHICH COULD AFFECT THIS PROPERTY.

NOTE "C"
SEE PLAT "BUCK MOUNTAIN DEVELOPMENT PARTNERSHIP AND LESLIE A. HALTON" BY CHARLES R. BILLINGS, PLS, DATED NOVEMBER 22, 2005, AND RECORDED IN PB 99/37

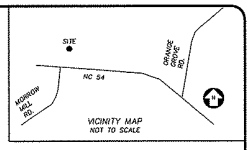
SEE PLAT "BUCK MOUNTAIN DEVELOPMENT PARTNERSHIP AND LESLIE A. HALTON" BY CHARLES R. BILLINGS, PLS, DATED JANUARY 4, 2006, AND RECORDED IN PB 99/40

NOTE "D"
REFERENCES: AS SHOWN HEREON

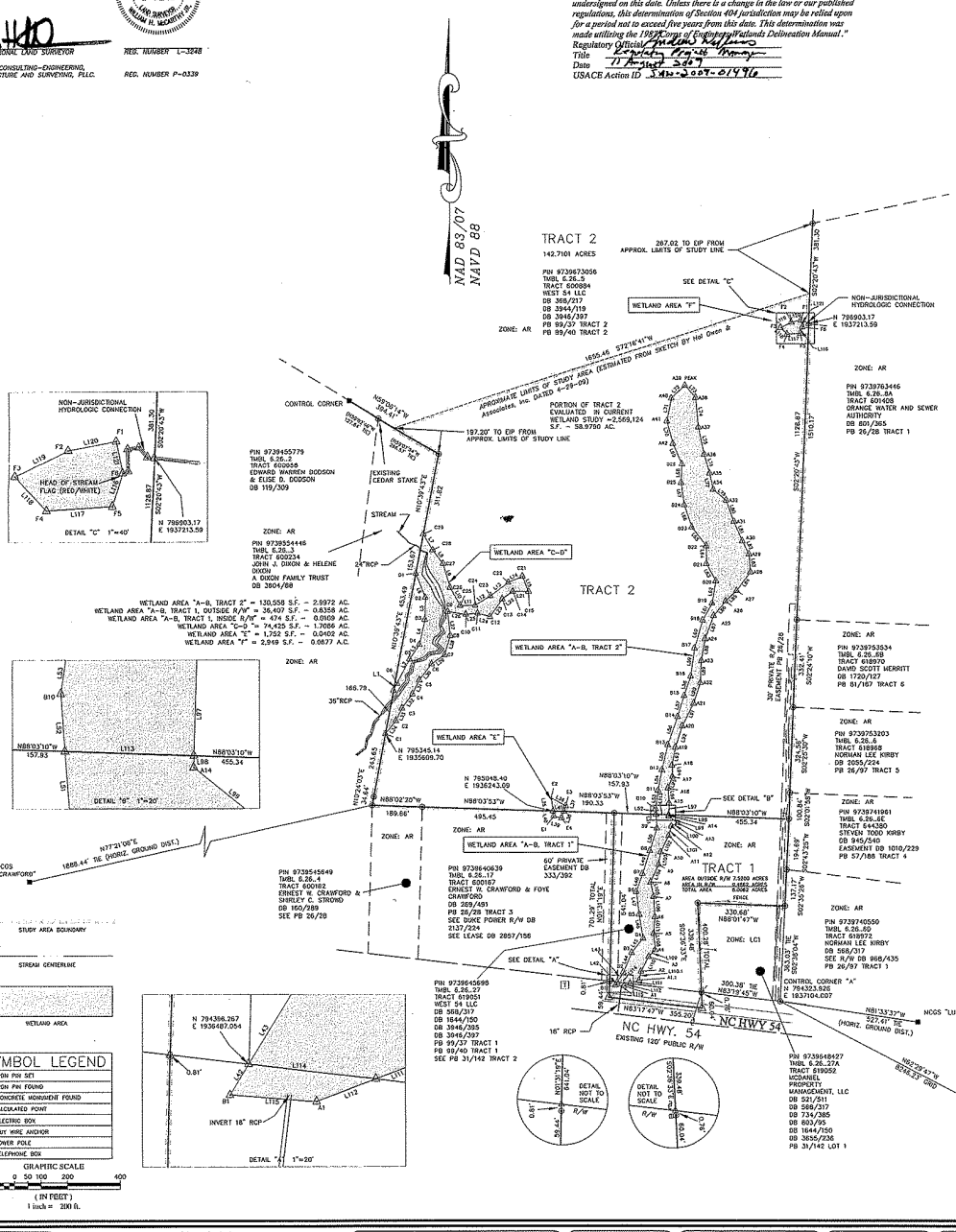
NOTE "E"
NC GRID COORDINATES FOR SITE LOCALIZED AT CONTROL CORNER "A"

NOTE "F"
(PORTIONS OF) THIS PROPERTY (ARE) IS WITHIN THE CAPE FEAR RIVER BASIN, WATERSHED: HAW RIVER UNPROTECTED

NOTE "G"
WETLANDS DELINEATED ON 4-24-09 BY KRISHNA HEMCHAND OF HAL GINN & ASSOCIATES, INC. PO BOX 459 LILLINGTON, NC 27546 PHONE# 919.893.8743 EMAIL: KRISHNA@HALGINNSOIL.COM WEBADDRESS:http://www.halginnsoil.com/



"This certifies 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 1987 Corps of Engineers Wetlands Delineation Manual."
Regulatory Official [signature]
Title Regulatory Project Manager
Date 11 August 2009
USACE Action ID SAW-2009-01496



LINE TABLE		
LINE	LENGTH	BEARING
L2	59.54	N27°07'21"E
L3	104.19	N23°37'27"E
L4	87.41	N24°08'58"E
L5	66.17	N15°51'31"E
L6	64.16	N6°30'34"E
L7	99.77	N21°20'20"W
L8	42.13	S40°11'09"E
L9	59.23	S35°52'18"E
L10	55.79	S31°13'07"E
L11	29.02	S31°13'07"E
L12	37.34	N82°52'06"E
L13	67.87	S03°29'07"E
L14	89.03	N24°32'36"E
L15	50.13	N86°18'36"E
L16	93.38	S21°10'42"E
L46	NOT USED	
L17	NOT USED	
L18	NOT USED	
L19	NOT USED	
L20	NOT USED	
L21	49.57	N85°12'15"E
L22	44.97	S27°41'21"E
L23	44.97	S27°41'21"E
L24	46.63	S43°02'42"E
L25	44.39	S81°37'24"E
L26	64.87	S81°37'24"E
L27	84.83	S09°24'36"E
L28	76.15	S16°41'31"E
L29	66.49	S31°13'21"E
L30	56.82	S37°09'41"E
L31	58.25	S35°55'05"E
L32	66.74	S38°22'43"E
L33	52.81	S82°06'54"E
L34	63.47	S39°50'18"E
L35	51.53	N06°17'28"E
L36	54.95	S03°52'34"E
L37	72.64	S16°03'37"W
L38	72.51	S18°49'16"W
L39	72.14	N23°16'47"W
L40	12.00	N06°57'38"W
L41	13.00	N80°03'53"E
L42	13.00	N13°56'07"W
L43	34.71	N13°56'07"W
L44	91.26	N03°12'20"E
L45	59.71	N38°56'07"E
L46	50.87	N02°26'39"W
L47	66.43	N07°00'41"W
L48	71.83	N04°13'20"E
L49	31.07	N17°43'34"E
L50	60.88	N21°01'34"E
L51	53.24	N03°37'49"W
L52	71.88	N03°13'36"W
L53	70.38	N08°22'57"E
L54	79.53	N22°22'44"E
L55	88.97	N12°23'20"E
L56	117.73	N14°08'34"E
L57	78.14	N07°37'36"E
L58	70.13	N05°13'49"E
L59	107.61	N12°08'31"E
L60	106.67	N15°08'31"E
L61	73.72	N22°22'34"E
L62	66.52	N26°56'00"E
L63	74.60	N33°16'05"E
L64	68.68	N02°47'36"E
L65	80.28	N07°37'20"E
L66	50.11	N18°25'07"W
L67	84.19	N06°03'36"W
L68	73.61	N02°26'00"E
L69	82.06	N24°07'20"E
L70	84.17	N14°26'00"W
L71	64.66	N11°56'00"E
L72	78.65	N17°01'30"E
L73	70.81	S61°18'47"E
L74	100.06	S01°01'31"E
L75	107.56	S01°01'31"E
L76	77.38	S11°07'47"E
L77	61.48	S11°18'36"E
L78	NOT USED	
L79	64.13	S19°32'10"E
L80	58.91	S19°32'10"E
L81	75.60	S33°51'07"E
L82	57.77	S38°32'17"E
L83	69.26	S04°32'37"E
L84	85.51	S38°32'37"E
L85	88.57	S48°11'03"W
L86	68.97	S82°32'03"W
L87	91.59	S82°06'03"W
L88	80.03	S06°03'36"W
L89	80.03	S02°26'00"W
L90	80.03	S11°27'47"W
L91	85.55	S19°32'10"E
L92	84.44	S11°27'47"W
L93	84.44	S11°27'47"W
L94	43.13	S03°52'00"E
L95	47.83	S21°06'00"E
L96	50.06	S03°52'17"E
L97	45.57	S02°44'15"E
L98	4.55	S02°44'15"E
L99	42.66	S30°21'00"E
L100	38.66	S85°07'18"E
L101	37.36	S13°18'47"E
L102	49.51	S32°30'15"W
L103	48.01	S06°57'36"E
L104	72.69	S22°52'00"W
L105	56.35	S11°01'36"E
L106	72.10	S02°41'00"E
L107	72.10	S02°41'00"E
L108	62.42	S13°27'47"E
L109	30.65	S42°56'36"W
L110	83.57	S47°06'47"W
L111	34.21	S13°56'07"W
L112	37.34	S60°03'07"W
L113	24.09	S69°52'36"W
L114	48.57	S38°32'17"E
L115	48.57	S38°32'17"E
L116	37.09	S82°33'36"W
L117	38.33	S17°06'47"W
L118	30.00	S60°18'47"W
L119	33.38	S53°31'41"W
L120	33.38	S53°31'41"W
L121	25.47	N18°12'47"E
L122	25.47	N18°12'47"E
L123	4.32	N12°36'36"E
L124	12.00	N12°36'36"E
L125	8.56	S06°03'07"E
L126	8.68	S14°32'47"E
L127	5.48	S41°32'36"E

RECEIVED
JUL 22 2009
RALEIGH REGULATORY FIELD OFFICE

WETLAND MAP
PROPERTY SURVEYED FOR
ORANGE COUNTY
BINGHAM TWP., ORANGE CO., NORTH CAROLINA
FIELD WORK PERFORMED FEBRUARY 24, 2009
PROPERTY AS DESCRIBED IN DEED BOOK 3946 PAGE 397
STANDING IN THE NAME OF
WEST 54, LLC

PROJECT NO. 09-0027
DRAWING NO. 09-0027_WETLANDS

SUMMIT CONSULTING
ENGINEERING • ARCHITECTURE • SURVEYING
1208 Burning Tree Dr. Chapel Hill, NC 27516-9543
Voice: (919) 732-3883 FAX: (919) 732-6876
www.summit-engineer.com

CLIENTS ADDRESS
ORANGE COUNTY SOLID WASTE MANAGEMENT
PO BOX 17177
CHAPEL HILL, NC 27516

OWNERS ADDRESS
WEST 54 LLC
1208 BURNING TREE DR.
CHAPEL HILL, NC 27517

PROJECT MANAGER EWP
DRAWN BY WHMJC
SCALE 1"=200'
FIRST ISSUE DATE 02-27-09

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DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY. ALTERATIONS MUST BE IDENTIFIED AS THOSE MADE BY OTHERS AND THE ORIGINAL WORK MUST BE LEGIBLE AND THE INITIALS OF THE ALTERING ENTITY MUST BE ADDED WITH A SPECIFIC DESCRIPTION OF THE ALTERATION(S).

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	REVISIONS	DATE	BY