Book 96 Page 200

NOTE "A"
SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED DURING THIS SURVEY. ALL BUILDINGS, SURFACE AND SUBSURFACE IMPROVEMENTS ON AND ADJACENT TO THE SITE ARE NOT NECESSARILY SHOWN HEREON. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND CONTAINERS WHICH MAY AFFECT THE USE OF THIS TRACT.

NOTE "B"
THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN ARE BASED ON VISIBLE EVIDENCE AND DRAWINGS PROVIDED TO THE SURVEYOR. LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON, AND ADDITIONAL BURIED UTILITIES MAY EXIST. CONTACT THE APPROPRIATE UTILITY COMPANIES FOR INFORMATION REGARDING BURIED UTILITIES.

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

NOTE "D"
THIS SURVEY WAS DONE WITHOUT A TITLE SEARCH AND IS BASED ON REFERENCED INFORMATION. THERE MAY EXIST OTHER DOCUMENTS OF RECORD WHICH COULD AFFECT THIS PROPERTY.

NOTE "E"
EXCEPT AS SPECIFICALLY STATED OR SHOWN, THIS SURVEY DOES NOT REPORT ANY OF THE FOLLOWING: EASEMENTS, OTHER THAN THOSE VISIBLE DURING FIELD EXAMINATION, BUILDING SETBACKS, RESTRICTIVE COVENANTS, ZONING OR LAND USE REGULATIONS AND ANY FACTS WHICH A TITLE SEARCH MAY DISCLOSE.

NOTE "F"
THIS PROPERTY IS WITHIN THE NEUSE RIVER BASIN AND IS SUBJECT TO 50' RIPARIAN BUFFERS ACCORDING TO STATE AND FEDERAL REGULATIONS.

NOTE "G"
SEE PLAT "PROPERTY SURVEYED FOR EFLAND, LLC." BY ALOIS CALLEMYN, PLS, DATED AUGUST 3, 2001, AND RECORDED IN PB 88/137 (SEAR BROWN PROJECT #17531)

NOTE "H"
THE CEMETERY IS SHOWN ACCORDING TO PLAT ENTITLED "FINAL PLAT FOR McGOWAN CREEK SUBDIVISION", BY JAMES W. PARKER, JR., PLS, DATED DEC. 7, 2001, AND RECORDED IN PLAT BOOK 91 PAGE 137 (SEAR BROWN PROJECT #1753102)

NOTE "J"
SEE FLOOD INSURANCE RATE MAP PANEL 370342 0130 B, DATED 3-16-81

NOTE "K"
DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS FOR McGOWAN CREEK SUBDIVISION

DB ____/____

NOTE "T"
LANDSCAPING (INCLUDING WALL AND FENCES) AND SIGNAGE EASEMENT RESERVED TO DEVELOPER.

NOTE "W"
THE INTENT OF THIS PLAT IS TO SHOW WETLANDS AREAS ONLY. UNDERLYING SUBDIVISION RECOMBINATION OF LOTS 3-A, 4-A, 13-A AND 14-A IS PROPOSED ONLY. ALL OTHER SURVEY INFORMATION IS SHOWN AS PER PLAT ENTITLED "FINAL PLAT FOR McGOWAN CREEK SUBDIVISION", BY JAMES W. PARKER, JR., PLS, DATED DEC. 7, 2001, AND RECORDED IN PB 91/137. (SEAR BROWN PROJECT NO. 1753102) 1753102recombination.dwg

NOTE "X"
ACCEPTANCE OF THIS PLAT BY ANY FEDERAL, STATE, OR LOCAL AGENCY DOES NOT CONSTITUTE APPROVAL OF PROPOSED RECOMBINATION.

NOTE "Y"
WETLANDS HAVE BEEN DELINEATED ON SUBJECT PROPERTY BY:
HDR ENGINEERING INC.
3733 NATIONAL DRIVE, SUITE 207
RALEIGH, NC, 27612-4845
PHONE: 919-232-6625

FILED
BOOK/FILE# 96 PAGE# 200
2005 FEB 22 P 3:37pm
JOYCE H. PEARSON
REGISTER OF DEEDS
ORANGE CO. N.C.

WETLANDS POINT TABLE

PT. #	NORTHING	EASTING	DESCRIPTION
1302	852417.70	1945715.27	SB 100 2'
1303	852388.77	1945690.13	SB 101 4'
1304	852351.69	1945692.35	SB 102 3'
1306	852331.77	1945705.34	SB 103 4'
1308	852319.53	1945748.81	SB 104 5'
1309	852281.29	1945734.61	SB 105 4'
1311	852238.89	1945735.47	SB 106 5'
1313	852151.19	1945747.50	SB 107 4'
1314	852096.34	1945761.87	SB 108 6'
1315	852038.23	1945751.15	SB 108 6'
1316	852026.42	1945770.33	SB 109 5'
1317	851976.27	1945768.10	SB 110 4'
1319	851929.73	1945791.01	SB 111 5'
1320	851897.80	1945810.58	SB 112 4'
1322	851875.67	1945836.51	WC 100 TIE SB
1324	851861.70	1945873.76	WB 101
1325	851869.15	1945927.59	WB 102
1327	851901.43	1945952.54	WB 103
1329	851962.44	1945977.66	WB 104
1330	851990.41	1946033.61	WB 105
1332	852029.05	1946082.57	WB 106
1333	852032.51	1946128.84	WB 107
1334	852023.39	1946156.06	WC 107/SA 120 OFFSET
1336	852005.05	1946199.38	SA 121 8'
1337	852030.99	1946227.52	SA 121 10'
1339	852064.43	1946257.21	SA 120 5'
1340	852066.21	1946282.84	SA 119 4'
1342	852120.20	1946300.63	SA 118 7'
1343	852133.84	1946302.83	SA 116 6'
1344	852159.47	1946279.72	SA 116 5'
1346	852167.48	1946299.13	SA 115 6'
1347	852186.92	1946305.07	SA 114 6'
1349	852198.19	1946327.41	SA 113 4'
1350	852214.02	1946333.06	SA 112 6'
1351	852230.01	1946344.25	SA 111 4'
1353	852271.40	1946344.10	SA 110 4'
1354	852317.72	1946382.46	SA 109 4'
1356	852360.66	1946410.34	SA 108 4'
1357	852367.08	1946433.69	SA 107 4'
1358	852398.41	1946450.11	SA 106 5'
1359	852391.56	1946472.40	SA 105 4'
1360	852403.93	1946496.47	SA 104 4'
1362	852433.57	1946477.46	SA 103 3'
1364	852459.77	1946489.65	SA 102 3'
1365	852479.78	1946494.15	SA 101 4'
1366	852464.23	1946521.00	SA 100 2'
1374	851939.27	1946183.79	WB 101
1376	851879.39	1946121.75	WB 102
1377	851863.09	1946083.92	WB 103

WETLANDS POINT TABLE

PT. #	NORTHING	EASTING	DESCRIPTION
1379	851805.33	1946027.04	WB 104
1380	851730.44	1946007.94	WB 105
1382	851689.20	1945929.86	WB 106
1384	851628.59	1945920.06	WB 107
1385	851607.34	1945964.48	WB 108
1387	851605.43	1946029.45	WB 109
1388	851568.68	1946084.54	WB 110
1389	851469.03	1946129.25	WB 111
1391	851421.16	1946129.92	WB 112
1392	851371.91	1946115.15	WB 113
1394	851334.55	1946147.49	WB 113
1395	851285.54	1946168.38	WB 115
1396	851221.34	1946176.84	WB 116
1397	851167.10	1946143.50	WB 116
1398	851114.71	1946076.18	WB 117
1400	851005.85	1946046.66	WB 119
1403	850959.52	1946053.96	WB 120
1404	850919.45	1946114.33	WB 121
1409	850927.18	1946339.87	WA 116
1411	850955.71	1946362.79	WA 114
1412	850908.29	1946405.59	WA 218
1413	850953.26	1946399.90	WA 216
1415	850998.54	1946403.07	WA 215
1416	851041.35	1946397.37	WA 214
1417	851031.31	1946381.09	WA 114
1419	851092.61	1946427.71	WA 213
1420	851112.23	1946413.39	WA 113
1421	851160.83	1946475.24	WA 212
1422	851158.23	1946442.47	WA 113
1424	851179.31	1946483.15	WA 110
1426	851173.13	1946537.47	WA 109
1427	851162.92	1946558.99	WA 211
1428	851145.02	1946535.02	WA 212
1431	851222.36	1946591.44	WA 108
1432	851211.41	1946595.23	WA 210
1433	851229.14	1946625.69	WA 209
1434	851243.51	1946678.83	WA 208
1435	851256.75	1946675.01	WA 106
1436	851271.00	1946710.59	WA 208
1437	851299.51	1946730.85	WA 105
1438	851280.05	1946728.36	WA 207
1440	851294.51	1946856.54	WA 205
1441	851333.76	1946814.29	WA 104
1442	851306.09	1946880.88	WA 204
1443	851329.83	1946906.10	WA 203
1444	851353.86	1946860.16	WA 103
1445	851381.39	1946914.76	WA 102
1446	851390.91	1946922.28	WA 202
1448	851413.04	1946950.07	WA 201

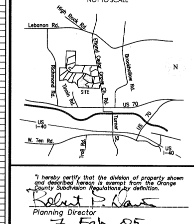
WETLANDS POINT TABLE

PT. #	NORTHING	EASTING	DESCRIPTION
1450	851452.54	1947014.21	WA 200/WA 100
1451	851427.91	1946939.96	WA 101 CALC
1452	852319.30	1943789.15	WC CALC
1601	852556.20	1944862.87	SC 110 6'
1602	852523.79	1944850.08	SC 109 6'
1603	852460.10	1944817.91	SC 108 6'
1605	852426.16	1944814.60	SC 107 6'
1607	852380.16	1944779.39	SC 106 6'
1608	852360.85	1944782.10	SC 105 6'
1610	852305.49	1944743.86	SC 104 8'
1611	852233.25	1944718.63	SC 103 6'
1613	852223.16	1944697.29	SC 102 8'
1614	852155.63	1944692.58	SC 101 8'
1616	852116.63	1944687.16	WC 229/SC 100 8
1617	852067.11	1944704.35	WC 228
1618	852016.87	1944695.18	WC 227
1619	851974.82	1944742.21	WC 226
1621	852049.38	1944664.86	WC 300 TIE SC 100
1622	852033.44	1944616.61	WC 301
1623	852012.93	1944572.21	WC 302
1625	852026.93	1944492.84	WC 303
1626	852036.96	1944393.47	WC 304
1628	852027.25	1944322.86	WC 305
1629	852015.24	1944271.76	WC 306
1631	852050.78	1944185.13	WC 307
1632	852064.76	1944115.56	WC 308
1634	852126.27	1944045.99	WC 309
1636	852151.31	1943995.13	WC 310
1637	852188.23	1943937.58	WC 312
1638	852168.83	1943952.87	WC 311
1639	852216.04	1943923.36	WC 313
1640	852225.27	1943963.26	WC 314
1642	852268.24	1943990.08	WC 315
1643	852314.78	1943957.61	WC 316
1644	852319.17	1943838.01	WC 500
1645	852384.99	1943874.96	WC 502
1646	852354.56	1943873.14	WC 501
1647	852349.27	1943976.13	WC 317
1649	852369.61	1944016.57	WC 318
1650	852393.45	1944050.69	WC 319
1651	852423.38	1944053.54	WC 320
1652	852474.09	1944036.54	WC 321
1653	852534.78	1944007.54	WC 322
1654	852577.99	1943996.22	WC 323
1655	852628.85	1943945.46	WC 324 TIE TO SD 100
1656	852575.68	1943902.05	WC 505 TIE TO WD 405
1658	852441.83	1943895.77	WC 503
1660	852613.85	1943906.66	WC 400 TIE TO SD 100
1661	852608.85	1943921.96	WC 400/SD 100 6'

WETLANDS POINT TABLE

PT. #	NORTHING	EASTING	DESCRIPTION
1662	852618.56	1943875.40	WC 404
1663	852642.30	1943887.67	WD 401
1664	852658.66	1943843.90	WD 402
1665	852642.58	1943839.79	WD 403
1667	852655.71	1943922.43	SD 100 10'
1668	852709.38	1943930.49	SD 101 12'
1669	852768.30	1943954.38	SD 102 10'
1670	852855.26	1943972.14	SD 304 10'
1672	852888.75	1943949.37	SD 305 10'
1673	852909.89	1943929.77	SD 306
1674	852949.88	1943916.68	SD 307 14'
1675	852962.06	1943888.34	SD 308
1677	853021.43	1943852.66	SD 109
1678	853062.48	1943869.00	SD 110 10'
1680	853129.04	1943873.95	SD 111 10'
1689	852232.22	1944717.94	SC 103 6'
1690	852219.85	1944695.35	SC 102 8'
1691	852162.31	1944688.01	SC 101 8'
1692	852116.86	1944686.81	SC 100 8'/WC 229
1695	851936.06	1944787.42	WC 225
1696	851890.10	1944826.20	WC 224
1697	851863.88	1944874.56	WC 223
1700	851804.88	1944925.68	WC 222
1701	851733.24	1944976.50	WC 221
1703	851686.17	1945045.96	WC 220
1704	851707.63	1945163.62	WC 219
1706	851724.19	1945236.23	WC 218
1708	851723.85	1945290.95	WC 217
1710	851713.63	1945349.53	WC 216
1711	851682.60	1945391.64	WC 215
1712	851684.30	1945408.07	WC 214
1713	851641.18	1945432.16	WC 213
1715	851644.76	1945500.39	WC 212
1717	851672.45	1945546.05	WC 211
1718	851655.98	1945577.21	WC 210
1719	851683.61	1945624.06	WC 209
1720	851676.50	1945653.82	WC 208
1722	851700.88	1945699.23	WC 207
1724	851716.65	1945742.88	WC 206
1725	851719.98	1945771.20	WC 205
1727	851726.36	1945792.70	WC 204
1728	851758.68	1945818.84	WC 203
1730	851787.43	1945817.68	WC 202
1731	851820.08	1945797.61	WC 201
1734	851881.12	1945799.46	WC 200 TIE TO SB 112

VICINITY MAP
NOT TO SCALE

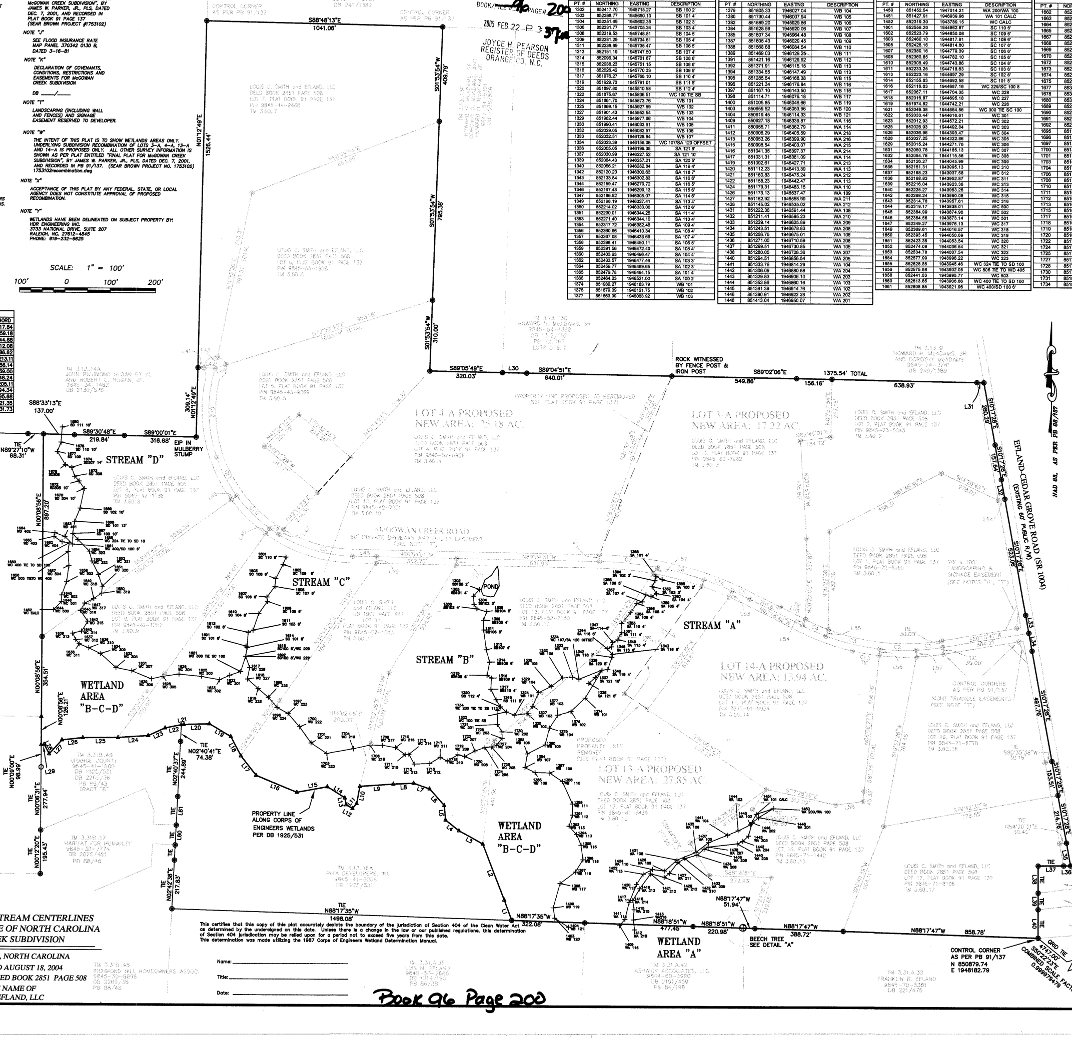


"I hereby certify that the division of property shown and described hereon is exempt from the Orange County Subdivision Regulations by definition."
Robert P. Davis
Planning Director
7 Feb 05
Date:

SCALE: 1" = 100'

CURVE TABLE

CURVE	LENGTH	RADIUS	DIRECTION	CHORD
C1	117.91	1000.00	S83°41'21"W	117.84
C2	159.34	1000.00	N88°22'05"W	159.18
C3	245.50	1000.00	N76°46'12"W	244.88
C4	112.14	1000.00	N66°31'28"W	112.08
C5	86.63	1530.00	N64°56'02"W	86.62
C6	213.29	1530.00	N75°29'03"W	213.11
C7	256.44	1530.00	N84°16'45"W	256.14
C8	343.01	646.75	N73°53'14"W	339.00
C9	48.25	646.75	N56°33'23"W	48.24
C10	205.98	646.75	N45°17'44"W	205.11
C11	195.08	646.75	N27°31'50"W	194.34
C12	402.13	646.75	N01°04'38"W	395.68
C13	121.42	1030.00	N80°25'43"W	121.35
C14	131.77	1530.00	N69°01'23"W	131.73



LINE TABLE

LINE	LENGTH	BEARING
L1	96.88	N19°44'12"W
L2	266.33	N20°59'18"W
L3	121.22	N60°16'07"W
L4	76.16	N51°21'59"W
L5	63.47	N05°19'46"W
L6	97.68	N41°46'12"W
L7	74.38	N70°40'03"W
L8	89.27	S87°09'32"W
L9	148.17	S85°42'33"W
L10	76.95	S10°05'50"W
L11	27.86	S41°20'17"W
L12	32.21	N61°01'03"W
L13	29.63	N10°50'26"W
L14	92.66	N57°20'08"W
L15	136.48	S79°21'35"W
L16	195.09	N67°31'59"W
L17	108.79	N38°05'40"W
L18	96.93	N27°27'14"W
L19	110.08	N59°19'37"W
L20	119.19	S88°12'42"W
L21	4.37	S78°27'21"W
L22	72.98	S78°21'36"W
L23	81.97	S65°12'02"W
L24	132.99	S86°05'55"W
L25	155.39	S89°21'59"W
L26	92.56	S83°36'07"W
L27	83.98	S41°56'34"W
L28	48.22	N27°44'38"W
L29	13.00	S81°07'55"W
L30	106.86	S89°07'11"E
L31	30.59	S89°02'06"E
L32	87.49	S10°17'28"E

LINE TABLE

LINE	LENGTH	BEARING
L33	79.48	S10°17'28"E
L34	80.53	S10°17'28"E
L35	102.46	S10°17'28"E
L36	30.78	S89°27'38"W
L37	112.11	S89°27'38"W
L38	121.10	S00°04'51"E
L39	74.15	S00°04'51"E
L40	127.53	S00°06'49"E
L41	26.44	N88°47'11"W
L42	50.00	N88°47'11"W
L43	50.00	N11°33'20"E
L44	50.00	N72°30'43"E
L45	30.00	S53°49'42"W
L46	30.00	S35°34'51"W
L47	30.58	N42°14'23"E
L48	104.94	N89°04'51"W
L49	30.00	S00°55'09"W
L50	30.00	S00°55'09"W
L51	30.00	N00°55'09"E
L52	32.96	S34°43'12"W
L53	30.00	S23°26'39"W
L54	30.00	S26°41'18"W
L55	30.00	N20°15'46"E
L56	30.00	N06°06'27"E
L57	30.00	S02°55'58"E
L58	122.26	N82°28'05"E
L59	66.86	N02°29'58"E
L60	89.94	N02°30'58"E
L61	125.63	N02°42'15"E
L62	22.13	S05°57'28"W
L63	4.37	S78°27'21"W
L64	30.00	N79°42'32"E
L65	125.47	N63°18'42"W

DETAIL "A"
NOT TO SCALE
TIE N05°09'47"E 5.77'
TIE N85°55'53"E 5.77'
TIE N84°46'14"E 8.53'
TIE S00°04'57"E 10.43'

I HEREBY CERTIFY THAT THIS PLAT IS OF THE FOLLOWING TYPE:
G.S. 47-30 (f)(11)(c)(2). This survey is of an existing building or other structure, or natural feature, such as a watercourse.

I, WILLIAM H. McCARTHY, JR., PLS NO. 3248, CERTIFY THAT THIS MAP WAS DRAWN FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, THAT THE DEED DESCRIPTION(S) AND PLAT(S) FOR THIS PROPERTY IS(ARE) LISTED HEREON, THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER "REFERENCES", THAT THE RATIO OF PRECISION AS CALCULATED IS 1:5000 OR GREATER, THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 10TH DAY OF DECEMBER, 2004.

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

PROFESSIONAL LAND SURVEYOR 3248 LIC. NUMBER

THIS PLAT FOR WETLAND AREAS AND STREAM CENTERLINES ONLY. ALL BOUNDARY DATA PER NOTE W.

PROJECT NUMBER	
04-089	
TAX MAP NUMBERS	
REFERENCED BY LOT HEREON	
PIN NUMBERS	
REFERENCED BY LOT HEREON	
DRAWN BY	CHECKED BY
RLF	WHM
DRAWING NAME	
L:\jobs\04-089\dwg\04-089-A.dwg	

REFERENCES

SEE PLAT "PROPERTY OF CASSIE C. McADAMS ESTATE" BY STEVE F. YUHASZ, PLS, DATED OCTOBER 25, 1994 AND RECORDED IN PB 72/167.

SEE PLAT "CARL CLYDE McADAMS" BY DAVID A. GRAFFUNDER, PLS, DATED FEBRUARY 24, 1999 AND RECORDED IN PB 83/46

SEE ALSO PB 88/48.
SEE ALSO USGS QUAD "EFLAND, N.C."

SEE PLAT FOR OTHER REFERENCES

OWNERS ADDRESSES:

LOUIS SMITH
PO BOX 343
APEX, NC. 27502

EFLAND, LLC.
124 COBBLESTONE DRIVE
CHAPEL HILL, NC 27514

LEGEND:
- ○ IRON PIPE/ROD SET
- ◉ EXISTING MONUMENT FOUND; IRON ROD/PIPE UNLESS OTHERWISE DESCRIBED
- △ MATHEMATICAL POINT; NO MONUMENT SET
- UTILITY POLE
- ■ EXISTING CONCRETE MONUMENT

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 Wetland Determination Manual.

Name: __________
Title: __________
Date: __________

WETLAND AREAS AND STREAM CENTERLINES SURVEYED FOR THE STATE OF NORTH CAROLINA AT McGOWAN CREEK SUBDIVISION

CHEEKS TWP., ORANGE CO., NORTH CAROLINA
FIELD WORK PERFORMED AUGUST 18, 2004
PROPERTY AS DESCRIBED IN DEED BOOK 2851 PAGE 508
STANDING IN THE NAME OF
LOUIS C SMITH and EFLAND, LLC

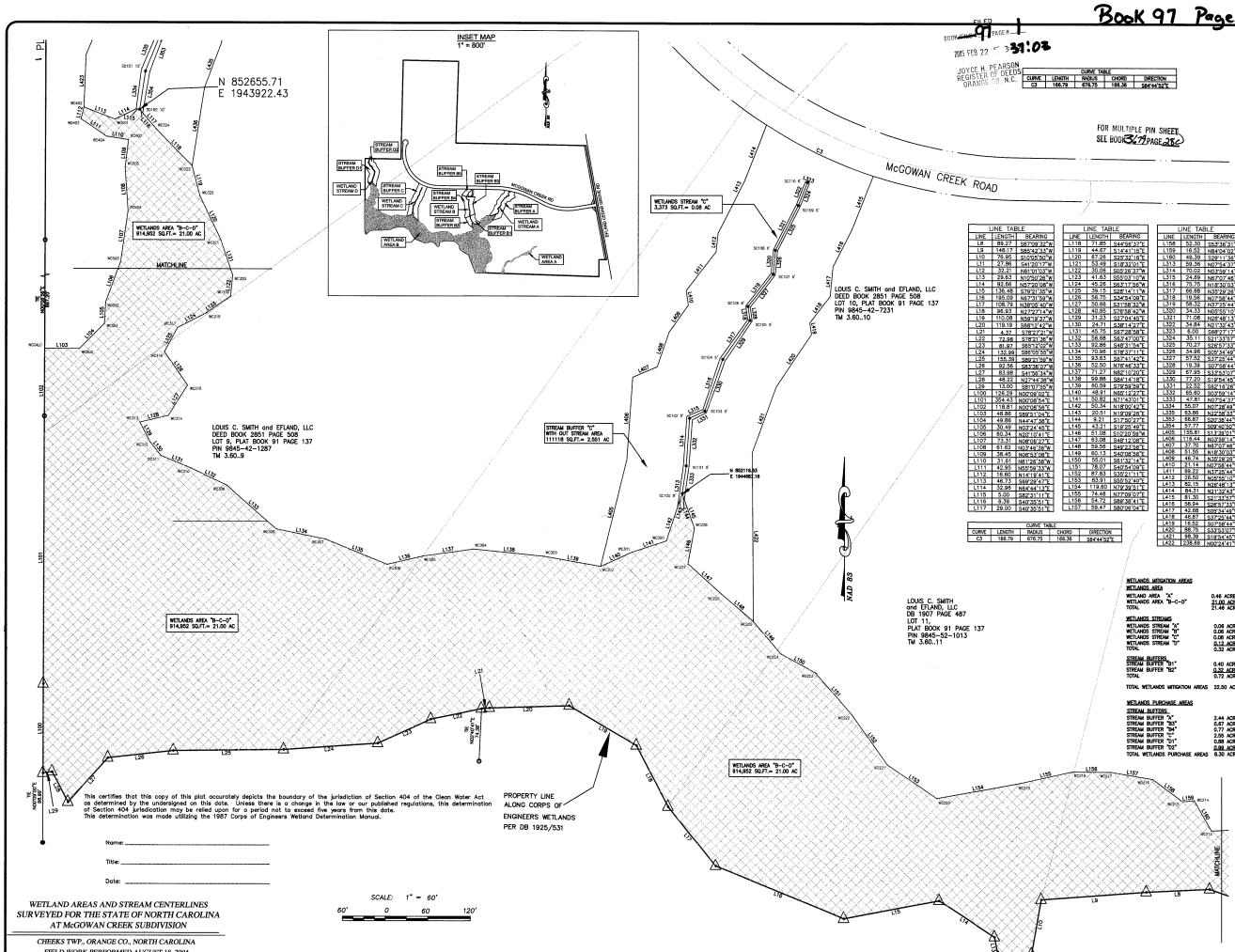
SUMMIT
Consulting Engineers
1000 Corporate Dr., Suite 101
Hillsborough, NC 27278-8551
Voice: (919) 732-3883 Fax: (919) 732-6676
www.summit-engineer.com

Book 96 Page 200

Book 97 Page 1

FILED
BOOK 97 PAGE 1
2005 FEB 22 31:03
JOYCE H. PEARSON
REGISTER OF DEEDS
ORANGE CO. N.C.

FOR MULTIPLE PIN SHEET
SEE BOOK 327 PAGE 256



CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	DIRECTION
C3	166.79	676.75	166.36	S64°44'34"E

LINE TABLE		
LINE	LENGTH	BEARING
L8	89.27	S87°59'35"W
L9	148.17	S85°42'33"W
L10	76.85	S10°05'50"W
L11	27.86	S41°20'17"W
L12	32.81	N61°10'33"W
L13	29.63	N10°50'26"W
L14	99.69	N87°20'08"W
L15	136.48	S79°31'30"W
L16	195.09	N67°31'39"W
L17	108.79	N38°06'42"W
L18	95.83	N27°27'14"W
L19	110.08	N58°18'37"W
L20	119.19	S88°12'42"W
L21	4.37	S78°27'41"W
L22	72.98	S19°31'36"W
L23	81.87	S85°52'02"W
L24	132.89	S86°05'55"W
L25	155.30	S89°31'56"W
L26	92.56	S82°36'37"W
L27	83.98	S41°54'34"W
L28	48.22	S27°49'38"W
L29	13.00	S81°37'55"W
L100	126.32	N00°09'09"E
L101	354.53	N00°08'54"E
L102	118.81	N00°08'56"E
L103	48.86	S89°31'04"E
L104	49.86	N44°47'38"E
L105	30.49	N03°24'45"E
L106	80.34	N20°10'41"E
L107	73.31	N08°08'27"E
L108	61.62	N03°46'18"W
L109	38.45	N06°53'08"E
L110	31.61	N81°26'38"W
L111	42.95	N50°56'33"W
L112	15.60	N14°18'41"E
L113	46.73	S89°28'47"E
L114	32.98	N84°44'13"E
L115	5.00	S86°31'11"E
L116	8.39	S49°30'51"E
L117	29.00	S44°30'51"E

LINE TABLE		
LINE	LENGTH	BEARING
L118	71.85	S44°30'51"E
L119	44.67	S14°41'15"E
L120	67.28	S35°26'16"E
L121	53.48	S18°33'01"E
L122	30.06	S60°26'37"W
L123	41.63	S50°01'10"W
L124	45.25	S63°13'56"W
L125	39.15	S28°14'11"W
L126	56.75	S34°59'58"E
L127	30.66	S31°58'32"W
L128	40.95	S76°58'43"W
L129	31.23	S27°04'45"E
L130	24.71	S36°14'27"E
L131	45.75	S67°08'08"E
L132	56.98	S63°47'00"E
L133	92.86	S48°31'54"E
L134	75.96	S19°37'11"E
L135	93.63	S67°41'42"E
L136	52.50	N76°46'33"E
L137	71.27	N55°10'20"E
L138	59.88	S84°14'16"E
L139	80.59	S72°59'08"E
L140	48.31	N00°13'27"E
L141	50.62	N71°43'01"E
L142	50.34	N18°02'42"E
L143	25.51	N18°39'28"E
L144	8.21	S17°50'27"E
L145	43.21	S13°25'49"E
L146	51.08	S10°20'59"W
L147	63.08	S48°12'08"E
L148	59.56	S49°23'56"E
L149	60.13	S40°09'56"E
L150	50.01	S61°32'14"E
L151	78.07	S40°04'09"E
L152	87.83	S30°21'11"E
L153	83.31	S55°52'47"E
L154	119.80	N79°39'51"E
L155	74.48	N77°29'37"E
L156	54.72	S85°38'41"E
L157	59.47	S80°06'54"E

LINE TABLE		
LINE	LENGTH	BEARING
L158	50.30	S53°36'31"E
L159	16.02	N84°04'02"E
L160	49.39	S28°11'38"E
L313	59.36	N07°54'31"E
L314	70.02	N83°59'13"E
L315	24.69	N67°07'46"E
L316	76.75	N18°30'03"E
L317	66.68	N33°28'28"E
L318	18.56	N07°56'45"W
L319	58.32	N37°10'44"E
L320	34.33	N00°55'10"E
L321	71.08	N08°48'13"E
L322	34.84	N21°35'43"E
L323	6.00	S88°27'17"E
L324	35.11	S21°33'53"W
L325	70.27	S26°57'33"W
L326	34.46	S02°34'46"W
L327	67.52	S37°23'44"W
L328	19.38	S07°58'44"E
L329	67.35	S33°53'01"W
L330	77.20	S19°54'55"W
L331	22.52	S82°10'28"W
L332	59.63	S03°59'14"W
L333	60.80	N07°34'33"E
L334	48.07	N27°28'46"E
L335	65.87	N32°58'33"E
L336	65.87	S20°38'44"W
L384	66.97	S09°46'24"W
L405	185.81	S13°39'01"W
L406	17.43	N03°36'14"E
L407	19.54	N67°07'46"E
L408	51.05	N18°30'03"E
L409	46.74	N30°28'26"E
L410	31.14	N07°56'45"E
L411	59.22	N37°25'55"E
L412	28.50	N28°48'11"E
L413	50.15	N28°48'11"E
L414	64.31	N21°35'43"E
L415	81.30	N33°53'53"W
L416	58.34	S26°57'33"W
L417	42.68	S06°34'46"W
L418	46.87	S37°23'44"W
L419	16.32	S07°58'44"E
L420	88.75	S33°53'01"W
L421	99.39	S18°54'55"W
L422	238.69	N00°24'41"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	DIRECTION
C3	166.79	676.75	166.36	S64°44'34"E

WETLANDS MITIGATION AREAS

WETLANDS AREA	
WETLAND AREA "A"	0.46 ACRES
WETLANDS AREA "B-C-D"	21.00 ACRES
TOTAL	21.46 ACRES
WETLANDS STREAMS	
WETLANDS STREAM "A"	0.08 ACRES
WETLANDS STREAM "B"	0.08 ACRES
WETLANDS STREAM "C"	0.08 ACRES
WETLANDS STREAM "D"	0.13 ACRES
TOTAL	0.32 ACRES
STREAM BUFFERS	
STREAM BUFFER "B1"	0.40 ACRES
STREAM BUFFER "B2"	0.32 ACRES
TOTAL	0.72 ACRES
TOTAL WETLANDS MITIGATION AREAS	22.50 ACRES

WETLANDS PURCHASE AREAS

STREAM BUFFERS	
STREAM BUFFER "A"	2.44 ACRES
STREAM BUFFER "B3"	0.67 ACRES
STREAM BUFFER "B4"	0.77 ACRES
STREAM BUFFER "C1"	2.05 ACRES
STREAM BUFFER "D1"	0.86 ACRES
STREAM BUFFER "D2"	0.84 ACRES
TOTAL WETLANDS PURCHASE AREAS	8.30 ACRES

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 Wetland Determination Manual.

Name: _____

Title: _____

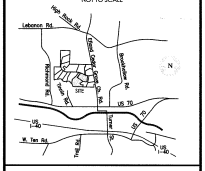
Date: _____

WETLAND AREAS AND STREAM CENTERLINES
SURVEYED FOR THE STATE OF NORTH CAROLINA
AT McGOWAN CREEK SUBDIVISION

CHEEKS TWP., ORANGE CO., NORTH CAROLINA
FIELD WORK PERFORMED AUGUST 18, 2004
PROPERTY AS DESCRIBED IN DEED BOOK 2851 PAGE 508
STANDING IN THE NAME OF
LOUIS C SMITH and EFLAND, LLC

Book 97 Page 2

VICINITY MAP
NOT TO SCALE



I hereby certify that the division of property shown and described herein is exempt from the Orange County Subdivision Regulations by definition:

Planning Director

Date: 7 Feb 05

I HEREBY CERTIFY THAT THIS PLAT IS OF THE FOLLOWING TYPE:

G.S. 47-30 (f)(11)(c)(2). This survey is of an existing building or other structure, or natural feature, such as a watercourse.

WETLAND AREAS AND STREAM CENTERLINES ONLY

I, WILLIAM H. MCARTHY, JR., PLS NO. 3248, CERTIFY THAT THIS MAP WAS DRAWN FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, THAT THE DEED DESCRIPTION(S) AND PLAT(S) FOR THIS PROPERTY (SEAR) LISTED HEREON, THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER "REFERENCES", THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10000 OR GREATER, THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 10TH DAY OF DECEMBER, 2004.

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

PROFESSIONAL LAND SURVEYOR — 3248 — LIC. NUMBER

THIS PLAT FOR WETLAND AREAS AND STREAM CENTERLINES ONLY. ALL BOUNDARY DATA PER NOTE 9.

PROJECT NUMBER
04-089

TAX MAP NUMBERS
REFERENCED BY LOT HEREON

PIN NUMBERS
REFERENCED BY LOT HEREON

DRAWN BY	CHECKED BY
PCS	WHM

DRAWING NAME
L:\jobs\04-089\dwg\04-089-B.dwg

REFERENCES

SEE PLAT "PROPERTY OF CASSIE C. McADAMS ESTATE" BY STEVE T. TOMASZ, PLS, DATED OCTOBER 28, 1994 AND RECORDED IN PB 72/161

SEE PLAT "CARL CLYDE McADAMS" BY DAVID A. GRAFFUNDER, PLS, DATED FEBRUARY 24, 1999 AND RECORDED IN PB 83/46

SEE ALSO PB 88/48.

SEE ALSO USGS QUAD "EFLAND, N.C."

SEE PLAT FOR OTHER REFERENCES

OWNERS ADDRESSES:

LOUIS SMITH
PO BOX 343
APEX, NC 27502

EFLAND, LLC
124 COBBLESTONE DRIVE
CHAPEL HILL, NC 27514

LEGEND:

- ○ IRON PIPE/ROD SET
- ● EXISTING MONUMENT FOUND, IRON ROD/PIPE UNLESS OTHERWISE DESCRIBED
- △ MATHEMATICAL POINT; NO MONUMENT SET
- UTILITY POLE
- ■ EXISTING CONCRETE MONUMENT

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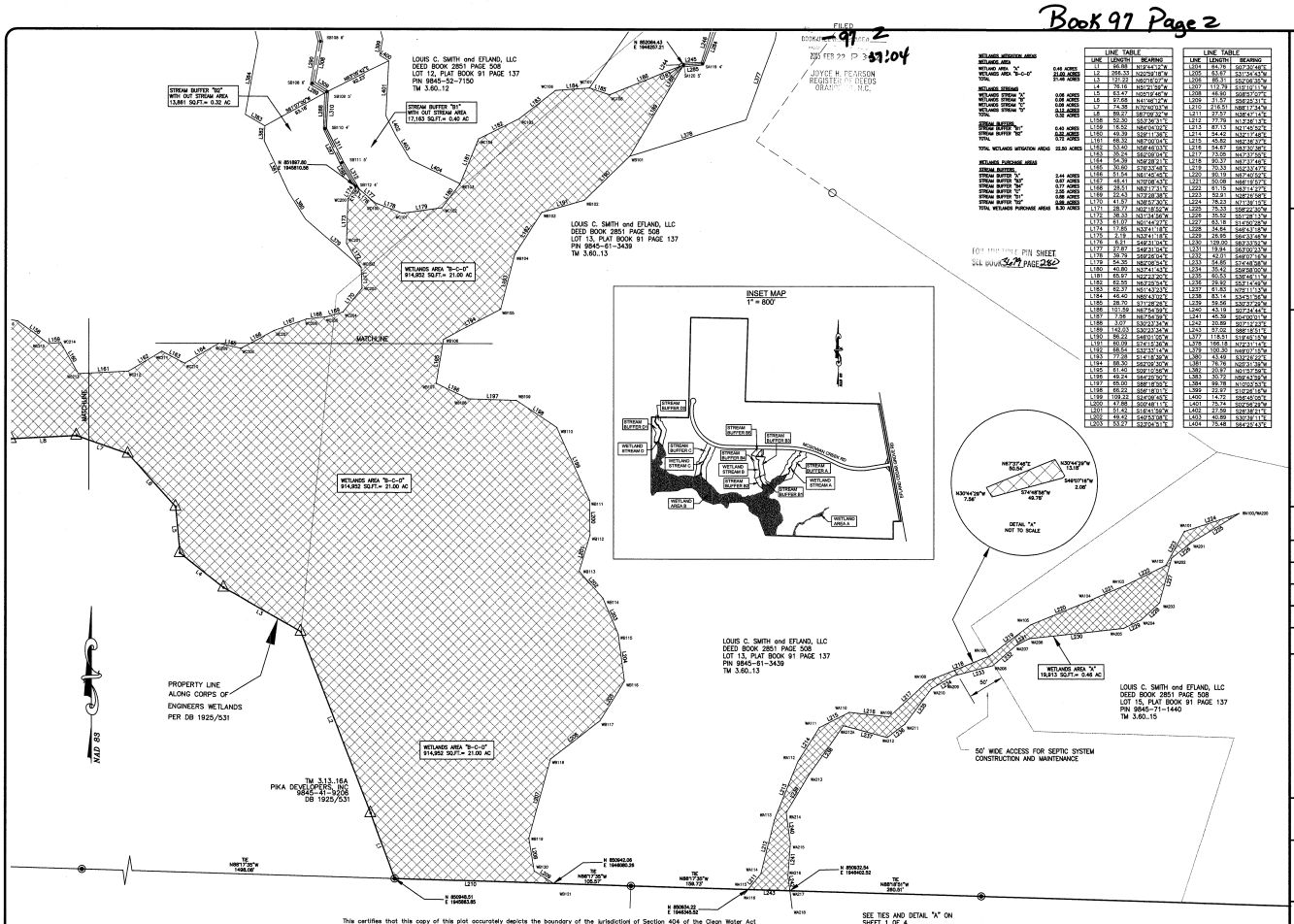
www.summit-engineer.com

Book 97 Page 2



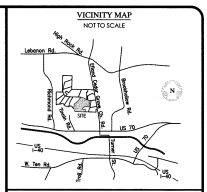
WETLANDS MITIGATION AREAS	
WETLAND AREA "A"	0.46 ACRES
WETLAND AREA "B-C-D"	21.00 ACRES
TOTAL	21.46 ACRES
WETLANDS STREAMS	
WETLANDS STREAM "A"	0.06 ACRES
WETLANDS STREAM "B"	0.08 ACRES
WETLANDS STREAM "C"	0.08 ACRES
WETLANDS STREAM "D"	0.11 ACRES
TOTAL	0.32 ACRES
STREAM BUFFERS	
STREAM BUFFER "B1"	0.40 ACRES
STREAM BUFFER "B0"	0.32 ACRES
TOTAL	0.72 ACRES
TOTAL WETLANDS MITIGATION AREAS	22.00 ACRES
WETLANDS PURCHASE AREAS	
STREAM BUFFERS	
STREAM BUFFER "A"	0.44 ACRES
STREAM BUFFER "B2"	0.07 ACRES
STREAM BUFFER "B3"	0.12 ACRES
STREAM BUFFER "B4"	0.06 ACRES
STREAM BUFFER "C1"	0.06 ACRES
STREAM BUFFER "C2"	0.06 ACRES
TOTAL WETLANDS PURCHASE AREAS	0.30 ACRES

FOR WETLAND PIN SHEET
SEE BOOK 2851 PAGE 280

LINE TABLE		
LINE	LENGTH	BEARING
L1	84.88	N12°41'E
L2	268.33	N20°52'18"W
L3	121.22	N80°16'07"W
L4	76.16	N51°21'39"W
L5	83.47	N35°12'46"W
L6	97.68	N41°46'17"W
L7	74.38	N70°40'03"W
L8	89.27	S67°09'37"W
L158	52.30	S53°36'31"E
L159	16.52	N84°04'01"E
L160	49.39	S28°11'38"E
L161	68.32	N87°00'04"E
L162	53.40	N58°46'03"E
L163	35.24	S60°09'04"E
L164	54.39	N59°28'21"E
L165	30.60	S26°33'48"E
L166	51.54	N61°45'45"E
L167	46.41	N70°08'43"E
L168	28.54	N50°17'31"E
L169	22.43	N73°28'38"E
L170	41.87	N36°07'30"E
L171	28.77	N0°18'50"W
L172	36.33	N31°34'58"W
L173	61.07	N01°44'27"E
L174	17.85	N32°41'18"E
L175	2.19	N37°41'18"E
L176	8.81	S48°31'54"E
L177	27.87	S48°31'54"E
L178	29.79	S69°26'24"E
L179	54.35	N84°06'34"E
L180	40.80	N27°41'43"E
L181	65.97	N22°23'20"E
L182	62.55	N22°23'24"E
L183	62.37	N51°43'31"E
L184	46.40	N69°43'32"E
L185	28.70	S71°28'28"E
L186	101.58	N67°54'59"E
L187	7.58	N67°54'59"E
L188	3.07	S30°33'34"W
L189	142.03	S30°33'34"W
L190	99.23	S49°01'50"W
L191	60.09	S74°13'36"W
L192	98.54	S32°31'14"W
L193	12.08	S14°18'36"W
L194	86.30	S60°06'30"W
L195	61.40	S09°10'58"W
L196	49.24	S67°25'50"E
L197	65.00	S88°18'55"E
L198	65.22	S50°18'51"E
L199	109.23	S24°06'45"E
L200	47.88	S07°48'11"E
L201	51.42	S16°41'58"W
L202	49.42	S42°53'38"E
L203	53.27	S27°04'51"E

LINE TABLE		
LINE	LENGTH	BEARING
L204	84.74	S07°31'48"E
L205	63.67	S21°31'43"W
L206	88.31	S52°06'35"W
L207	112.79	S15°10'11"W
L208	46.80	S08°33'07"E
L209	31.57	S56°23'11"E
L210	216.51	N86°17'34"W
L211	27.57	N38°47'14"E
L212	77.79	N13°36'13"E
L213	67.13	N21°45'52"E
L214	54.42	N32°17'48"E
L215	45.82	N52°36'37"E
L216	54.67	S83°32'38"E
L217	73.05	N47°37'56"E
L218	30.37	N67°37'48"E
L219	70.33	N52°33'47"E
L220	89.19	N87°40'52"E
L221	50.08	N68°18'57"E
L222	61.15	N83°13'27"E
L223	52.91	N28°26'58"E
L224	76.23	N71°38'15"E
L225	75.33	S58°23'30"W
L226	35.52	S81°28'13"W
L227	63.18	S14°50'28"W
L228	34.64	S48°43'18"W
L229	28.95	S64°33'46"W
L230	129.05	S83°33'30"W
L231	19.94	S63°00'33"W
L232	42.01	S44°00'18"W
L233	54.85	S70°48'38"W
L234	34.42	S58°58'00"W
L235	50.53	S30°46'11"W
L236	29.92	S57°14'46"W
L237	61.83	N75°11'13"W
L238	83.14	S34°51'36"W
L239	59.56	S30°33'28"W
L240	43.13	S07°34'44"E
L241	45.39	S04°00'01"W
L242	20.69	S07°12'23"E
L243	37.02	S88°18'01"E
L377	118.51	S12°42'12"W
L378	168.18	N72°31'16"W
L379	100.35	N49°07'13"W
L380	43.49	S32°26'22"E
L381	76.76	S02°31'38"W
L382	20.97	N51°37'39"E
L383	20.72	S52°43'39"E
L384	99.78	N10°03'53"E
L392	22.87	S12°26'18"W
L400	14.72	S84°45'08"E
L401	75.73	S02°58'28"E
L402	27.59	S26°38'21"E
L403	40.82	S32°38'11"E
L404	75.48	S64°22'43"E

VICINITY MAP
NOT TO SCALE



"I hereby certify that the division of property shown and described hereon is exempt from the Orange County Subdivision Regulations definition."

Planning Director

16 Feb 05

Date:

I HEREBY CERTIFY THAT THIS PLAT IS OF THE FOLLOWING TYPE:

G.S. 47-30 (f)(11)(c)(2). This survey is of an existing building or other structure, or natural feature, such as a watercourse.

WETLAND AREAS AND STREAM CENTERLINES ONLY.

I, WILLIAM H. McCARTHY, JR., PLS NO. 3248, CERTIFY THAT THIS MAP WAS DRAWN FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, THAT THE DEED DESCRIPTION(S) AND PLAT(S) FOR THIS PROPERTY SURVEY LISTED HEREON, THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER "REFERENCES", THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10000 OR GREATER, THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL, THIS 10TH DAY OF DECEMBER, 2004.

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

3248

PROFESSIONAL LAND SURVEYOR — LIC. NUMBER

THIS PLAT FOR WETLAND AREAS AND STREAM CENTERLINES ONLY. ALL BOUNDARY DATA PER NOTE 14.

PROJECT NUMBER
04-089

TAX MAP NUMBERS
REFERENCED BY LOT HEREON

PIN NUMBERS
REFERENCED BY LOT HEREON

DRAWN BY	CHECKED BY
PCS	WHM

DRAWING NAME
L:\jobs\04-089\dwg\04-089-B.dwg

REFERENCES

SEE PLAT "PROPERTY OF CARRIE C. McADAMS ESTATE" BY STEVE F. TUHASE, PLS, DATED OCTOBER 25, 1994 AND RECORDED IN PB 75/165.

SEE PLAT "CARL CLYDE McADAMS" BY DAVID A. GRAFTUNDER, PLS, DATED FEBRUARY 24, 1999 AND RECORDED IN PB 83/46

SEE ALSO PB 86/48.
SEE ALSO USGS QUAD "EFLAND, N.C."

SEE PLAT FOR OTHER REFERENCES

OWNERS ADDRESSES:

LOUIS SMITH
PO BOX 343
APEX, NC 27502

EFLAND, LLC.
124 COBBLESTONE DRIVE
CHAPEL HILL, NC 27514

LEGEND:

- IRON PIPE/ROD SET
- EXISTING MONUMENT FOUND, IRON ROD/PIPE UNLESS OTHERWISE DESCRIBED
- MATHEMATICAL POINT; NO MONUMENT SET
- UTILITY POLE
- EXISTING CONCRETE MONUMENT

WETLAND AREAS AND STREAM CENTERLINES
SURVEYED FOR THE STATE OF NORTH CAROLINA
AT McGOWAN CREEK SUBDIVISION

CHEEKS TWP., ORANGE CO., NORTH CAROLINA
FIELD WORK PERFORMED AUGUST 18, 2004
PROPERTY AS DESCRIBED IN DEED BOOK 2851 PAGE 508
STANDING IN THE NAME OF
LOUIS C SMITH and EFLAND, LLC

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 Wetland Determination Manual.

Name: _____

Title: _____

Date: _____

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1000 Corporate Dr., Suite 101
Hillsborough, NC 27278-8551
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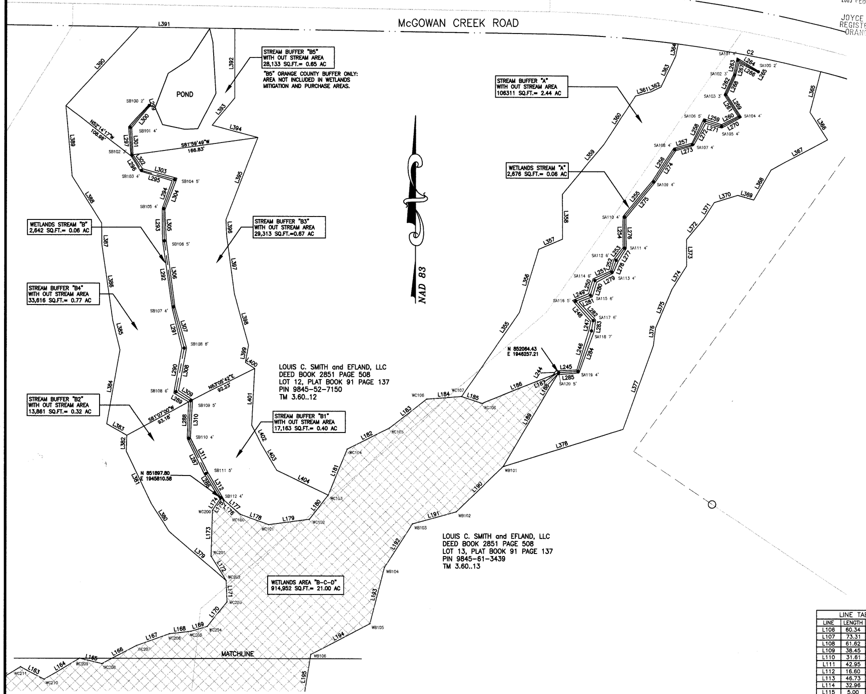
www.summit-engineer.com

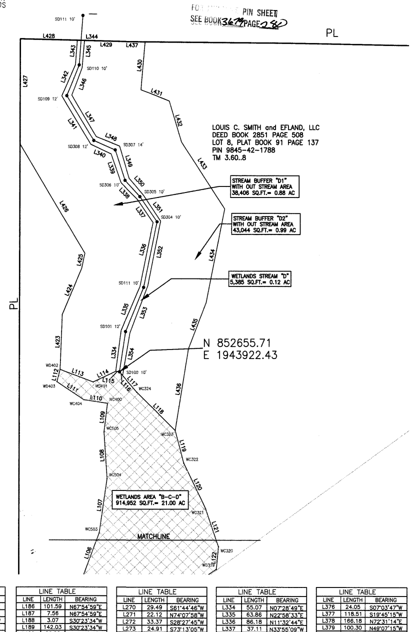
Book 97 Page 2

Book 97 Page 3

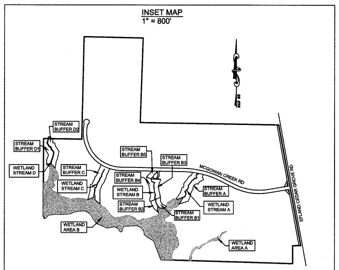
FILED
BOOK/FILE# 97 PAGE# 3
2005 FEB 22 P 3:39:05
JOYCE H. PEARSON
REGISTER OF DEEDS
ORANGE CO. N.C.

FOR ... PIN SHEET
SEE BOOK 3679 PAGE 280





INSET MAP
1" = 800'



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 jurisdication 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 Wetland Determination Manual.

Name: ______________________

Title: ______________________

Date: ______________________

WETLANDS MITIGATION AREAS

WETLANDS AREA

WETLAND AREA "A"	0.46 ACRES
WETLANDS AREA "B-C-D"	21.00 ACRES
TOTAL	21.46 ACRES

WETLANDS STREAMS

WETLANDS STREAM "A"	0.06 ACRES
WETLANDS STREAM "B"	0.06 ACRES
WETLANDS STREAM "C"	0.08 ACRES
WETLANDS STREAM "D"	0.12 ACRES
TOTAL	0.32 ACRES

STREAM BUFFERS

STREAM BUFFER "B1"	0.40 ACRES
STREAM BUFFER "B2"	0.32 ACRES
TOTAL	0.72 ACRES

TOTAL WETLANDS MITIGATION AREAS 22.50 ACRES

WETLANDS PURCHASE AREAS

STREAM BUFFERS

STREAM BUFFER "A"	2.44 ACRES
STREAM BUFFER "B3"	0.67 ACRES
STREAM BUFFER "B4"	0.77 ACRES
STREAM BUFFER "C"	2.55 ACRES
STREAM BUFFER "D1"	0.88 ACRES
STREAM BUFFER "D2"	0.99 ACRES
TOTAL WETLANDS PURCHASE AREAS	8.30 ACRES

WETLAND AREAS AND STREAM CENTERLINES
SURVEYED FOR THE STATE OF NORTH CAROLINA
AT McGOWAN CREEK SUBDIVISION

CHEEKS TWP., ORANGE CO., NORTH CAROLINA
FIELD WORK PERFORMED AUGUST 18, 2004
PROPERTY AS DESCRIBED IN DEED BOOK 2851 PAGE 508
STANDING IN THE NAME OF
LOUIS C SMITH and EFLAND, LLC

LINE TABLE

LINE	LENGTH	BEARING
L106	60.34	N20°10'41"E
L107	73.31	N08°06'27"E
L108	61.62	N03°46'36"W
L109	38.45	N06°53'08"E
L110	31.61	N81°26'38"W
L111	42.95	N55°59'33"W
L112	16.60	N14°19'41"E
L113	46.73	S69°29'47"E
L114	32.96	N64°44'13"E
L115	5.00	S82°31'11"E
L116	6.39	S40°35'51"E
L117	29.00	S40°35'51"E
L118	71.85	S44°56'37"E
L119	44.67	S14°41'15"E
L120	67.26	S25°32'16"E
L121	53.49	S18°32'01"E
L122	30.06	S05°26'37"W
L164	54.39	N59°28'21"E
L165	30.60	S76°33'48"E
L166	51.54	N61°45'45"E
L167	46.41	N70°08'43"E
L168	28.51	N83°17'31"E
L169	22.43	N73°28'38"E
L170	41.57	N38°57'30"E
L171	28.77	N02°18'52"W
L172	38.33	N31°34'56"W
L173	61.07	N01°44'27"E
L174	17.85	N33°41'18"E
L175	2.19	N33°41'18"E
L176	6.21	S49°31'04"E
L177	27.87	S49°31'04"E
L178	39.79	S69°26'04"E
L179	54.35	N82°06'54"E
L180	40.80	N37°41'43"E
L181	65.97	N22°23'20"E
L182	62.55	N63°25'54"E
L183	62.37	N51°43'23"E
L184	46.40	N85°43'02"E
L185	28.70	S71°28'26"E

LINE TABLE

LINE	LENGTH	BEARING
L186	101.59	N67°54'59"E
L187	7.56	N67°54'59"E
L188	3.07	S30°23'34"W
L189	142.03	S30°23'34"W
L190	86.22	S46°01'05"W
L191	60.09	S74°15'36"W
L192	68.54	S32°33'14"W
L193	77.28	S14°18'39"W
L194	88.30	S62°09'30"W
L195	61.40	S09°10'56"W
L244	5.97	N30°23'34"E
L245	28.15	N87°08'29"E
L246	55.25	N16°43'48"E
L247	12.16	N11°12'39"E
L248	36.43	N41°12'37"W
L249	23.02	N66°13'21"E
L250	20.31	N16°57'53"E
L251	25.44	N65°32'06"E
L252	16.43	N16°13'26"E
L253	19.38	N37°53'54"E
L254	41.43	N00°12'26"W
L255	60.75	N39°38'03"E
L256	51.84	N32°59'45"E
L257	24.98	N74°37'58"E
L258	36.05	N25°47'59"E
L259	24.65	S71°40'32"E
L260	24.56	N63°51'49"E
L261	34.36	N32°40'11"W
L262	29.54	N24°57'19"E
L263	23.22	N11°16'19"E
L264	33.91	S58°04'03"E
L265	2.00	S30°05'09"W
L266	28.45	N61°45'40"W
L267	18.08	S14°03'55"W
L268	28.21	S24°57'19"W
L269	36.01	S32°40'11"E

LINE TABLE

LINE	LENGTH	BEARING
L270	29.49	S61°44'46"W
L271	22.12	N74°07'58"W
L272	33.37	S28°27'45"W
L273	24.91	S73°13'05"W
L274	50.55	S32°59'45"W
L275	59.54	S39°38'03"W
L276	41.25	S00°12'26"E
L277	20.07	S32°01'30"W
L278	16.99	S22°55'25"W
L279	24.48	S60°57'18"W
L280	20.58	S16°57'53"W
L281	18.76	S68°57'04"W
L282	32.21	S42°52'14"E
L283	15.59	S07°03'47"W
L284	58.49	S19°45'15"W
L285	28.75	S84°54'41"W
L286	38.47	N32°16'13"W
L287	52.51	N25°39'15"W
L288	49.20	N01°58'40"E
L289	22.68	N59°40'13"W
L290	60.73	N10°03'39"E
L291	54.44	N13°40'52"W
L292	92.00	N08°06'33"W
L293	41.24	N00°28'14"W
L294	38.80	N19°35'24"E
L295	43.60	N73°28'41"W
L296	23.75	N31°57'35"W
L297	38.94	N04°41'45"W
L298	39.72	N42°24'38"E
L299	2.38	S16°22'26"E
L300	36.89	S39°17'14"W
L301	35.75	S02°38'59"E
L302	22.61	S34°18'27"E
L303	47.20	S74°54'45"E
L304	44.34	S21°04'15"W
L305	40.77	S02°28'48"E
L306	88.27	S07°29'20"E
L307	57.25	S15°41'26"E
L308	57.78	S10°27'37"W
L309	21.97	S57°07'37"E
L310	51.11	S03°07'09"W
L311	51.26	S26°45'31"E
L312	43.23	S30°44'24"E

LINE TABLE

LINE	LENGTH	BEARING
L334	55.07	N07°28'49"E
L335	63.86	N22°58'33"E
L336	86.18	N11°32'44"E
L337	37.11	N33°55'09"W
L338	30.54	N44°54'48"W
L339	40.34	N19°16'17"W
L340	29.95	N64°52'16"W
L341	74.27	N30°53'27"W
L342	45.43	N23°22'07"E
L343	33.03	N04°18'11"E
L344	9.75	S88°33'13"E
L345	37.17	S04°57'15"W
L346	38.92	S20°27'03"W
L347	63.57	S30°28'29"E
L348	33.37	S68°15'11"E
L349	43.69	S16°36'18"E
L350	29.46	S40°31'29"E
L351	41.27	S33°24'38"E
L352	87.45	S11°11'04"W
L353	66.87	S20°38'44"W
L354	57.77	S09°40'50"W
L355	135.57	S34°20'50"W
L356	87.45	N16°57'53"E
L357	34.26	N66°13'21"E
L358	58.92	N00°12'26"W
L359	85.11	N39°38'03"E
L360	77.62	N32°59'45"E
L361	21.30	N74°37'58"E
L362	14.62	N63°51'49"E
L363	46.04	N24°57'19"E
L364	16.53	N11°16'19"E
L365	56.06	N14°47'24"E
L366	43.26	S32°40'11"E
L367	84.88	S61°44'46"W
L368	45.56	N30°05'09"E
L369	21.91	N74°07'58"W
L370	32.55	S73°13'05"W
L371	25.89	S32°59'45"W
L372	35.18	S39°38'03"W
L373	35.37	S00°12'26"E
L374	36.82	S32°01'30"W
L375	55.17	S22°55'25"W

LINE TABLE

LINE	LENGTH	BEARING
L376	24.05	S07°03'47"W
L377	118.51	S19°45'15"W
L378	166.18	N72°31'14"E
L379	100.30	N49°07'15"W
L380	43.49	S32°26'22"E
L381	76.76	N25°31'39"W
L382	20.97	N01°57'59"E
L383	30.72	N59°43'59"W
L384	99.78	N10°03'53"E
L385	41.16	N13°41'05"W
L386	101.53	N08°11'45"W
L387	28.15	N00°17'33"W
L388	72.68	N32°30'41"W
L389	93.98	N05°04'40"W
L390	142.83	N42°29'50"E
L391	126.83	N89°04'51"W
L392	92.64	N00°00'00"E
L393	47.06	S39°19'34"W
L394	62.58	S75°02'26"E
L395	116.48	S21°13'11"W
L396	20.63	S02°33'35"E
L397	78.82	S07°35'05"E
L398	70.49	S15°26'41"E
L399	22.97	S10°26'16"W
L400	14.72	S56°45'05"E
L401	75.74	S02°56'29"W
L402	27.59	S26°38'21"E
L403	40.89	S30°39'11"E
L404	75.48	S64°25'43"E
L423	73.49	S02°15'17"W
L424	66.62	N22°45'45"E
L425	19.99	N11°45'37"E
L426	167.95	N30°44'03"W
L427	140.22	N00°08'56"E
L428	75.34	S88°33'13"E
L429	52.09	S88°33'13"E
L430	64.43	S04°55'50"W
L431	40.41	S68°17'50"E
L432	56.99	S16°34'13"E
L433	104.62	S33°05'34"E
L434	126.76	S11°11'04"W
L435	65.73	S20°50'35"W
L436	110.21	S09°06'36"W
L437	28.12	S89°30'48"E

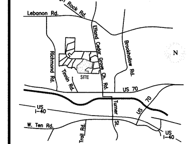
SCALE: 1" = 60'

60' 0 60 120'

CURVE TABLE

CURVE	LENGTH	RADIUS	CHORD	DIRECTION
C2	192.43	1500.00	192.30	N78°53'07"W

VICINITY MAP
NOT TO SCALE



"I hereby certify that the division of property shown and described hereon is exempt from the Orange County Subdivision Regulations by definition.

Robert P. Davis
Planning Director
7 Feb 05
Date:

I HEREBY CERTIFY THAT THIS PLAT IS OF THE FOLLOWING TYPE:

G.S. 47-30 (f)(11)(c)(2). This survey is of an existing building or other structure, or natural feature, such as a watercourse.

WETLAND AREAS AND STREAM CENTERLINES ONLY

I, WILLIAM H. McCARTHY, JR., PLS NO. 3248, CERTIFY THAT THIS MAP WAS DRAWN FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, THAT THE DEED DESCRIPTION(S) AND PLAT(S) FOR THIS PROPERTY IS(ARE) LISTED HEREON, THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER "REFERENCES", THAT THE RATIO OF PRECISION AS CALCULATED IS 1:5000 OR GREATER, THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 10TH DAY OF DECEMBER, 2004.

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

PROFESSIONAL LAND SURVEYOR 3248 LIC. NUMBER

THIS PLAT FOR WETLAND AREAS AND STREAM CENTERLINES ONLY. ALL BOUNDARY DATA PER NOTE W.

PROJECT NUMBER	
04-089	
TAX MAP NUMBERS	
REFERENCED BY LOT HEREON	
PIN NUMBERS	
REFERENCED BY LOT HEREON	
DRAWN BY	*CHECKED BY*
RLF	*WHM*
DRAWING NAME	
L:\jobs\04-089\dwg\04-089-B.dwg	

REFERENCES

SEE PLAT "PROPERTY OF CASSIE C. McADAMS ESTATE" BY STEVE F. YUHASZ, PLS, DATED OCTOBER 25, 1994 AND RECORDED IN PB 72/167.

SEE PLAT "CARL CLYDE McADAMS" BY DAVID A. GRAFFUNDER, PLS, DATED FEBRUARY 24, 1999 AND RECORDED IN PB 83/46

SEE ALSO PB 88/48.

SEE ALSO USGS QUAD "EFLAND, N.C."

SEE PLAT FOR OTHER REFERENCES

OWNERS ADDRESSES:

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APEX, NC. 27502	*CHAPEL HILL, NC 27514*

LEGEND:

- ○ *IRON PIPE/ROD SET*
- ◉ *EXISTING MONUMENT FOUND; IRON ROD/PIPE UNLESS OTHERWISE DESCRIBED*
- △ *MATHEMATICAL POINT; NO MONUMENT SET*
- *UTILITY POLE*
- ■ *EXISTING CONCRETE MONUMENT*

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