

Subject:Thornton Road Transfer Station
Date:Tue, 22 Apr 2008 18:13:27 -0400
From:Stacey Smith <stacey@rsgengineers.com>
Reply-To:stacey@rsgengineers.com
Organization:Richardson Smith Gardner & Associates, Inc.
To:DONNA WILSON <DONNA.WILSON@ncmail.net>

Donna,

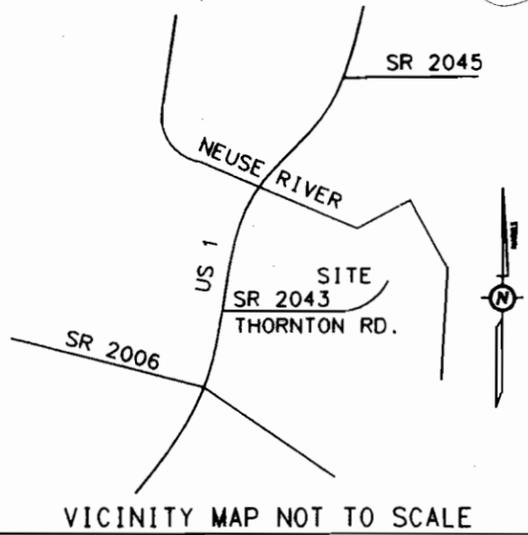
Please find the COE signed wetlands mapping for Thornton Road.

Thanks,

sas

--

Stacey A. Smith, P.E.
President, Senior Engineer
Richardson Smith Gardner & Associates, Inc.
www.rsgengineers.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. THE DETERMINATION WAS MADE UTILIZING THE 1987 CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL.

NAME: _____
 TITLE: _____
 DATE: _____

RECEIVED

JAN 18 2008

W. BRANTLEY (RECEIVED)

NAD83



NOTES: NORTH CAROLINA STATE PLANE COORDINATES
 DATUM IS NAD 83, COORDINATES DERIVED FROM
 TRADITIONAL SURVEYING METHODS

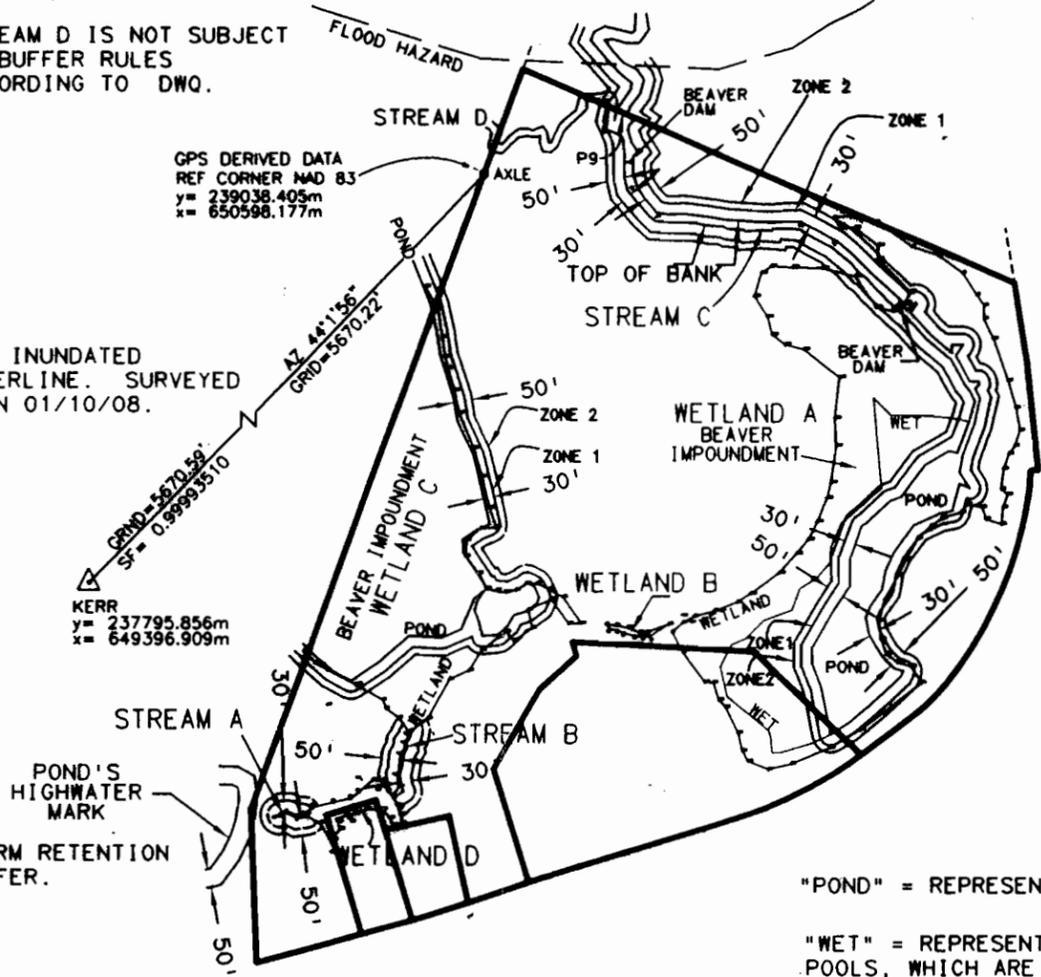
WETLAND LINES HUNG BY JONATHAN HOPKINS, MPP, CERTIFIED WETLAND DELINEATOR FOR DELINEATIONS PLUS.

STREAM D IS NOT SUBJECT TO BUFFER RULES ACCORDING TO DWQ.

GPS DERIVED DATA
 REF CORNER NAD 83
 y = 239038.405m
 x = 650598.177m

WETLAND C:
 50' BUFFER FROM INUNDATED IMPOUNDMENT WATERLINE. SURVEYED LINES LOCATED ON 01/10/08.

WETLAND A:
 50' BUFFER FROM INUNDATED IMPOUNDMENT WATERLINE. SURVEYED LINES LOCATED ON 12/04/07.



KERR
 y = 237795.856m
 x = 649396.909m

LOCATION OF THE STORM RETENTION POND WITH A 50' BUFFER.

"POND" = REPRESENTS THE CONTIGUOUS WATER BODY.
 "WET" = REPRESENTS THE OUTLINE OF THE WATER POOLS, WHICH ARE CAUSED BY THE LACK OF RELIEF IN THE LAND AND THE WATER LEVEL RECEDING.



WETLAND ACREAGE: 23.006 Acres
 INTERMITTENT STREAM "A": 81'
 PERENNIAL STREAM'S "B" & "C": 1,278' total

SHEET 1 OF 3

murphy GEOMATICS
 Professional Land Surveying
 6308 J. Richard Drive (919) 787-7873
 Raleigh NC 27617-4601 FAX 881-9573
 E-MAIL: raleigh@murphygeomatics.com

I, JONATHAN F. MURPHY, HEREBY CERTIFY THAT THIS SURVEY WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, AND IS NOT FOR RECORDATION. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 17th DAY OF JANUARY A.D., 2008.

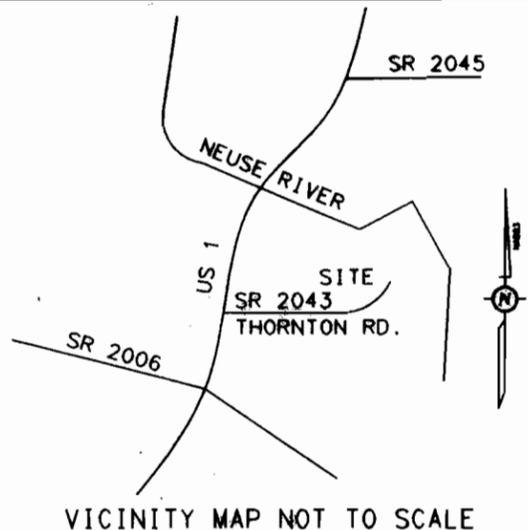
JONATHAN F. MURPHY, PLS L-4382

PROJECT: WEBTHOR WETLAND DELINEATION

CLIENT: EDWARD BRANTLEY

LOCATION: CITY OF RALEIGH, WAKE COUNTY, NORTH CAROLINA

DATE & SCALE: JANUARY 15, 2008 SCALE: 1" = 500'



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. THE DETERMINATION WAS MADE UTILIZING THE 1987 CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL.



NAME: Jonathan F. Murphy
 TITLE: Regulatory Specialist
 DATE: 1/12/08

C41	783,795	2,134,388
C42	783,874	2,134,375
C43	783,936	2,134,339
D1	782,544	2,134,236
D2	782,570	2,134,224
D3	782,573	2,134,196
D4	782,540	2,134,158
D5	782,523	2,134,135
D6	782,512	2,134,088
D7	782,498	2,134,031
D8	782,478	2,134,001
D9	782,455	2,134,050
D10	782,380	2,134,091
D11	782,411	2,134,085
D12	782,438	2,134,106
D13	782,464	2,134,097
D14	782,476	2,134,121
D15	782,468	2,134,133
D16	782,485	2,134,146
D17	782,493	2,134,177
D18	782,493	2,134,222
D19	782,469	2,134,243
D20	782,449	2,134,252
D21	782,455	2,134,274
D22	782,479	2,134,271
D23	782,504	2,134,261
DP1	782,892	2,134,052
DP2	782,780	2,134,070
DP3	782,554	2,134,216
DP4	782,575	2,134,166
DP5	782,976	2,134,957
DP6	783,029	2,135,062
DP7	783,010	2,135,086
T13	782,474	2,133,931

DWQ FLAGS:

A1	782,472	2,133,927
A2	782,483	2,134,011
B1	782,524	2,134,252
B2	782,707	2,134,297
C	783,882	2,135,685
E1	782,837	2,134,159

CENTERLINE INTERMITTENT STREAM A:

I1	782,484	2,133,953
I2	782,472	2,133,983
I3	782,475	2,134,007

CENTERLINE PERENNIAL STREAM B:

P1	782,556	2,134,272
P2	782,589	2,134,266
P3	782,645	2,134,276
P4	782,677	2,134,286

CENTERLINE PERENNIAL STREAM C:

P5	784,052	2,135,484
P6	784,105	2,135,387
P7	784,127	2,134,986
P8	784,203	2,134,920
P9	784,413	2,134,893

NORTH CAROLINA STATE PLANE COORDINATES
 NOTES: DATUM IS NAD 83, COORDINATES (US Ft.) DERIVED FROM TRADITIONAL SURVEYING METHODS

FLAG	NORTHING	EASTING	B18	782,618	2,135,366
A1	784,126	2,135,481	B19	782,662	2,135,474
A2	784,130	2,135,524	B20	782,712	2,135,555
A3	784,121	2,135,558	B21	782,774	2,135,639
A4	784,114	2,135,599	B22	782,842	2,135,724
A5	784,086	2,135,643	B23	782,886	2,135,695
A6	784,046	2,135,696	B24	782,899	2,135,657
A7	784,022	2,135,770	B25	782,920	2,135,627
A8	783,973	2,135,839	B26	782,963	2,135,613
A9	783,913	2,135,879	B27	783,013	2,135,606
A10	783,884	2,135,900	B28	783,072	2,135,623
AA1	784,100	2,135,502	B29	783,139	2,135,659
B1	783,003	2,134,848	B30	783,183	2,135,680
B2	782,989	2,134,861	B31	783,241	2,135,714
B3	782,987	2,134,880	B32	783,275	2,135,749
B4	782,979	2,134,898	B33	783,298	2,135,782
B5	782,970	2,134,929	B34	783,313	2,135,834
B6	782,969	2,134,947	B35	783,335	2,135,851
B7	782,969	2,134,970	B36	783,327	2,135,895
B8	782,982	2,135,034	B37	783,294	2,135,906
B9	782,924	2,135,066	B38	783,280	2,135,950
B10	782,843	2,135,126	B39	783,326	2,135,954
B11	782,841	2,135,150	B40	783,362	2,135,968
B12	782,794	2,135,166	B41	783,377	2,135,949
B13	782,774	2,135,184	B42	783,434	2,135,956
B14	782,703	2,135,219	B43	783,474	2,135,970
B15	782,653	2,135,232	B44	783,496	2,135,987
B16	782,625	2,135,247	B45	783,540	2,136,002
B17	782,602	2,135,303	B46	783,602	2,135,990
			B47	783,677	2,135,968

B48	783,792	2,135,927	C2	782,896	2,134,037
B49	783,848	2,135,899	C3	782,876	2,134,070
BB10	783,087	2,135,253	C4	782,836	2,134,149
BB11	783,145	2,135,333	C5	782,794	2,134,224
BB12	783,198	2,135,381	C6	782,771	2,134,232
BB13	783,237	2,135,413	C7	782,745	2,134,268
BB14	783,287	2,135,438	C8	782,703	2,134,296
BB15	783,352	2,135,464	C9	782,731	2,134,328
BB16	783,395	2,135,476	C10	782,742	2,134,347
BB17	783,497	2,135,490	C11	782,851	2,134,409
BB1	783,000	2,134,875	C12	782,876	2,134,463
BB18	783,573	2,135,486	C13	782,932	2,134,500
BB19	783,686	2,135,498	C14	782,967	2,134,547
BB20	783,763	2,135,400	C15	782,982	2,134,568
BB21	783,776	2,135,349	C16	782,957	2,134,591
BB22	783,803	2,135,313	C17	782,992	2,134,642
BB23	783,853	2,135,299	C18	783,043	2,134,630
BB24	783,909	2,135,262	C19	783,072	2,134,696
BB25	783,973	2,135,281	C20	783,005	2,134,744
BB26	783,992	2,135,309	C21	783,006	2,134,780
BB27	783,989	2,135,370	C22	783,079	2,134,728
BB2	782,994	2,134,908	C23	783,100	2,134,688
BB28	783,987	2,135,451	C24	783,116	2,134,654
BB29	783,964	2,135,541	C25	783,115	2,134,625
BB30	783,879	2,135,599	C26	783,097	2,134,595
BB31	783,868	2,135,644	C27	783,097	2,134,540
BB32	783,891	2,135,679	C28	783,102	2,134,514
BB33	783,922	2,135,691	C29	783,144	2,134,490
BB34	784,012	2,135,603	C30	783,191	2,134,453
BB35	784,050	2,135,604	C31	783,234	2,134,455
BB36	784,097	2,135,538	C32	783,268	2,134,494
BB3	782,981	2,134,940	C33	783,270	2,134,540
BB4	782,981	2,134,961	C34	783,324	2,134,522
BB5	783,003	2,135,024	C35	783,411	2,134,500
BB6	783,007	2,135,064	C36	783,489	2,134,475
BB7	783,025	2,135,096	C37	783,587	2,134,435
BB8	783,040	2,135,153	C38	783,649	2,134,422
BB9	783,064	2,135,217	C39	783,709	2,134,404
C1	782,930	2,134,003	C40	783,742	2,134,395

WETLAND ACREAGE: 23.006 Acres
 INTERMITTENT STREAM "A": 81'
 PERENNIAL STREAM'S "B" & "C": 1,278' total

WETLAND LINES HUNG BY JONATHAN HOPKINS, MPP, CERTIFIED WETLAND DELINEATOR FOR DELINEATIONS PLUS.

murphy GEOMATICS
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 6306 J. Richard Drive (919) 787-7873
 Raleigh NC 27617-4601 FAX 881-9573
 E-MAIL: raleigh@murphygeomatics.com

I, JONATHAN F. MURPHY, HEREBY CERTIFY THAT THIS SURVEY WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, AND IS NOT FOR RECORDATION. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 17th DAY OF JANUARY A.D., 2008.

JONATHAN F. MURPHY, PLS L-4382

PROJECT: WEBTHOR WETLAND DELINEATION

CLIENT: EDWARD BRANTLEY

LOCATION: CITY OF RALIEGH, WAKE COUNTY, NORTH CAROLINA

DATE & SCALE: JANUARY 15, 2008 SCALE: 1" = 500'

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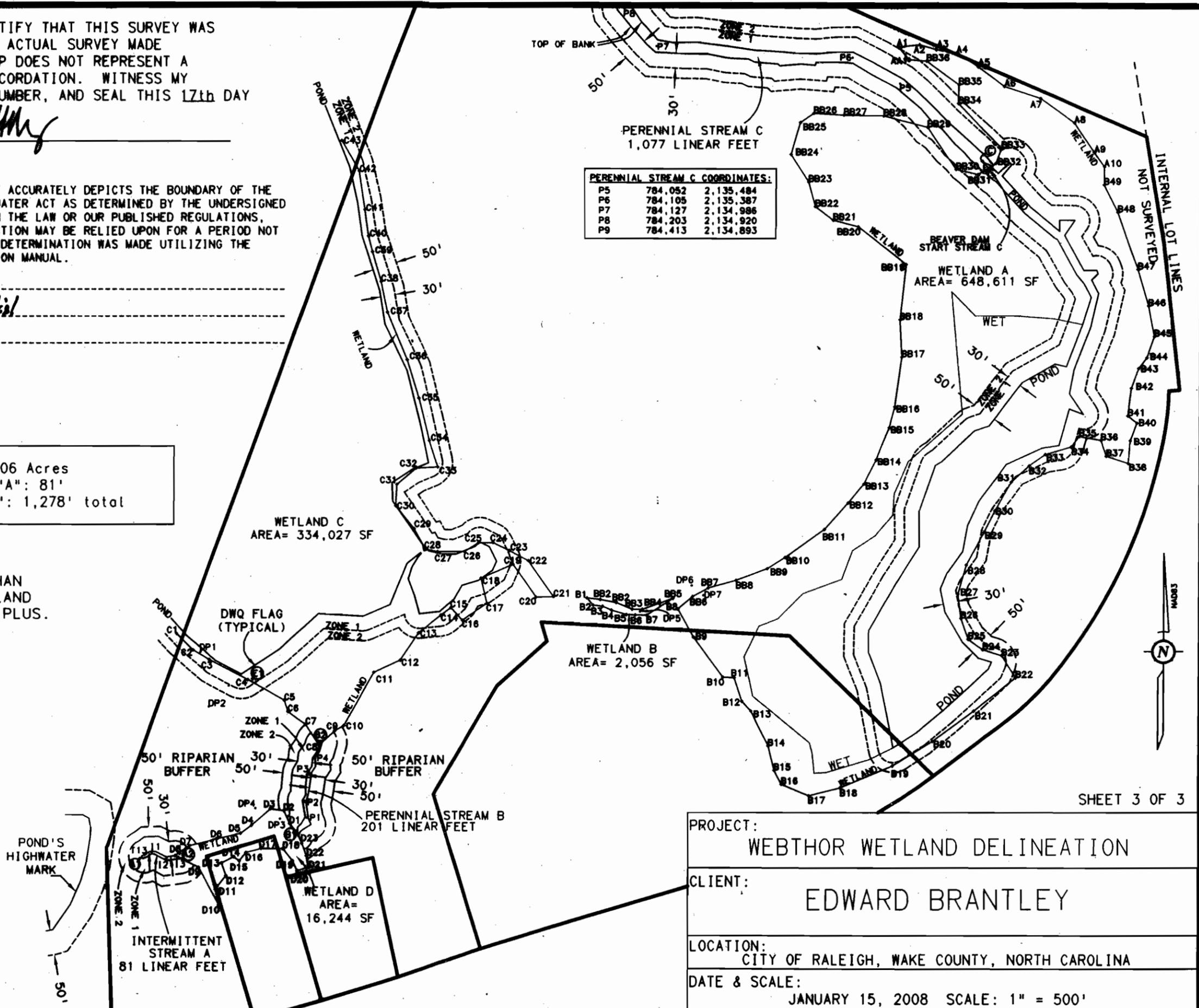
NAME: *Jonathan F. Murphy*
 TITLE: *Regulatory Specialist*
 DATE: *6/2/08*

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