

Planning Department & Environmental Quality Department

FOR OFFICE USE:

Application Date:

10/7/15

Owner Name:

Fieldstone at Brookside

Agent Name:

Parcel #:

80775

Number of lots proposed:

Parent tract acreage:

Received by staff member:

Staff member assigned to:

Stewart Pickens

Check List:

Fee \$ Paid with ☐ Cash ☐ Check # ☐ CC

Completed Tract Information Form

Copy of Plat

Signed Right to Enter Form

Signed Owner's Agent Designation Form

Site Review Completed on (Date): 10/7/15

Initials:

SP

Findings:

Original stream delineation was challenged by DWR. Premial start point has been moved further south than original location.

Applicant contacted to mail or pickup (date):

Initials:

Returned to applicant via:

☐ Mail

☐ E-Mail

☐ Pickup

Date:

Initials:

Minor Subdivision Packet to applicant (check one):

☐ Yes

☐ No

Date:

Initials:

Sent to Surveyor/Consultant (check one):

☐ E-Mail

☐ Pickup

Date:

Initials:

Office Review Completed on (date):

Initials:

Minor Subdivision approved (date):

Initials:

Field flagging approved by staff:



Riparian Buffer Review Application
SURFACE WATER IDENTIFICATION REQUEST

****Use only for projects GREATER THAN 25 acres and GREATER THAN 5 lots****

Tract Information:

Parcel Identification Number(s) (AKPAR) 80775

Total Acreage (area to be reviewed must be greater than 25 acres): 20

Total number of new lots: 13

Watershed District (and name of creek if known): WS-IV Wilkinson Creek

Property Owner: Sheryl - Mar Co. LLC

Location / Physical Address of Tract: At the end of Fieldstone Lane. / Manns Chapel Rd.

Driving Directions from Pittsboro: Take US 15-501 N, Left on Manns Chapel Rd., Left on Fieldstone Lane, site is located at the stub end of Fieldstone Lane.

Subdivision Name (if applicable): Fieldstone on the Green

Owner's / Agent's Contact Information:

Name: Soil and Environmental Consultants Attn: David Gainey

Contact Phone Numbers: (h) _____ (w) 919-846-5900 (c) 919-771-9136

E-mail: dgainey@sandec.com

Mailing Address: 8412 Falls of the Neuse Rd., Suite 104
Raleigh, NC 27615

Please check one: ☐ I would like to pick up the completed Riparian Buffer Review at the County Office

☐ I would like the completed Riparian Buffer Review mailed to me

☒ I would like the completed Riparian Buffer Review e-mailed to me

Please include with this request:

☒ Copy of Plat

☒ Surface Water Classification Scoring Sheets, Wetland Determination Data Forms & Photos

☒ Signed Right to Enter Property Form

☒ Signed Owner's Agent Designation Form (if applicable)

☐ Fee (TBD)

I have read and understand the regulations of the Watershed Protection Ordinance, Section 304, and I agree to adhere to these associated policies and guidelines herein.

Owner/Agent Signature: David Gainey

Applications can be mailed to: Planning Dept., PO Box 54, Pittsboro, NC 27312
For Questions, please contact: Lynn Richardson at 919-542-8207



LAND & WATER RESOURCES DIVISION
Environmental Quality Department

PHONE: (919) 545-8204

Website: www.chathamnc.org

AUTHORIZED AGENT FOR LEGAL REPRESENTATION FORM

PROPERTY LEGAL DESCRIPTION:

LOT NO. _____ PARCEL ID (PIN) 9766-20-6324.000 PARCEL SIZE 20.00 acres

STREET ADDRESS: East end of Fieldstone Lane

Please print:

Property Owner: Jim Hodgkin, Sheryl-Mar, LLC

Property Owner: _____

The undersigned, owner(s) of the above described property, do hereby authorize

David Gainey, of Soil & Environmental Consultants

(Contractor/Agent)

(Name of consulting firm if applicable)

to act on my/our behalf and take all actions, I/we could have taken if present, necessary for the processing, issuance and acceptance of reviews, inspections, or permits and any and all standard and special conditions attached to these approvals. The activities authorized include the following (**initial all that apply**):

- ☐ Building Permit
- ☐ Zoning Compliance Permits
- ☐ Floodplain Determination
- ☐ Soil Erosion and Sedimentation Control Permit
- ☐ Permits to install, repair, evaluate, or expand onsite wastewater system(s)
- ☐ Evaluation/inspection/permitting of a private drinking water well(s)
- ☐ Riparian Buffer Review pursuant to §304 of the Chatham County Watershed Protection Ordinance
- ☒ Other: Wetland Delineation & Stream Evaluation

Property Owner's Address (if different than property above):

Jim Hodgkin, Sheryl-Mar, LLC 87, Norwood Road, Chapel Hill, NC 27516

Owner Telephone: 919-210-0920

Email: jimhodgin@hotmail.com

We hereby certify the above information submitted in this application is true and accurate to the best of our knowledge.

Jim P. Hodgkin
Owner Authorized Signature

David Gainey
Agent Authorized Signature

Date: 9/11/15

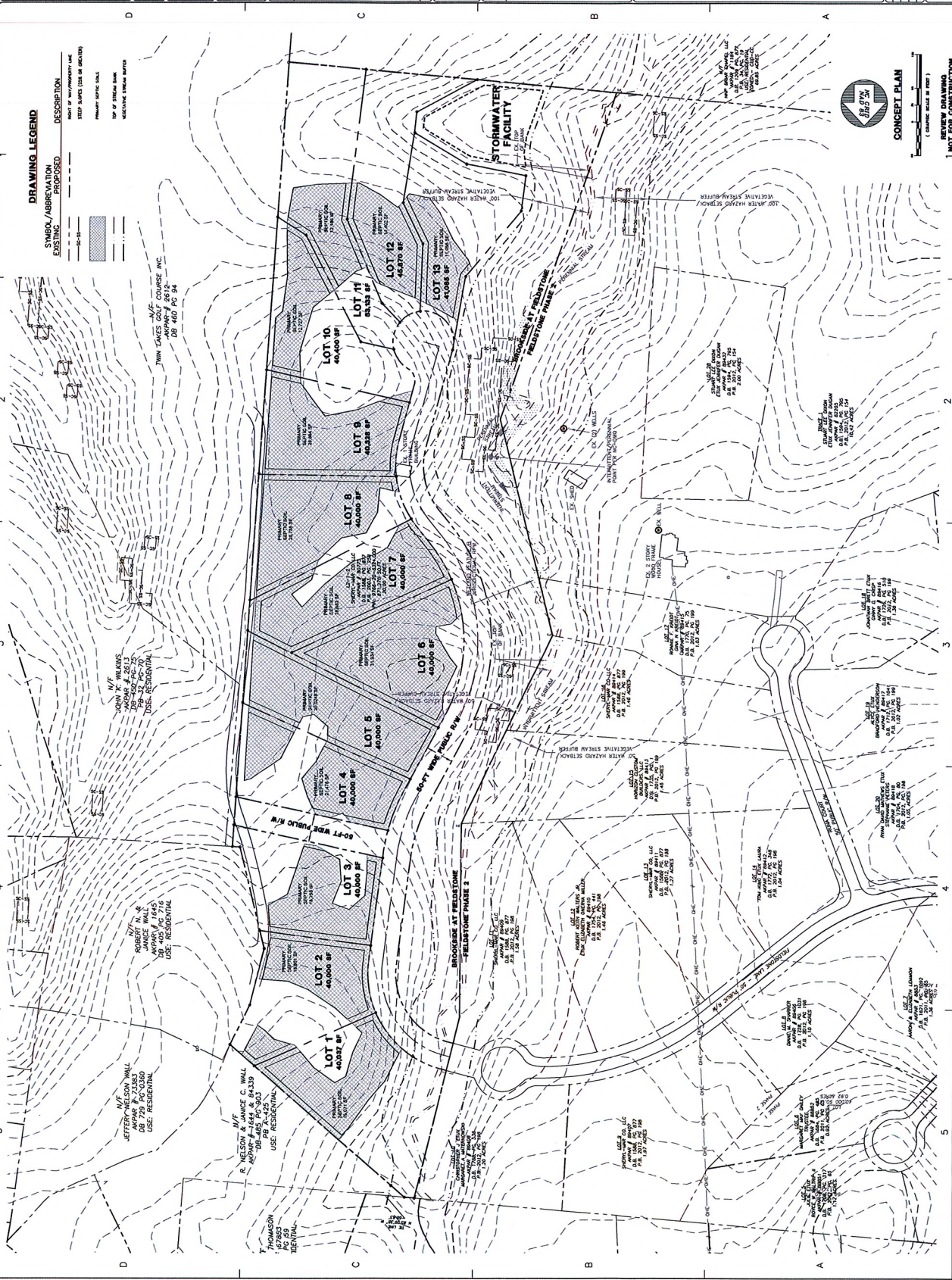
Date: 9/11/15

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For Questions, please contact: Lynn Richardson at 919-542-8207

Revised 3/2014

REVISION	DATE	BY	CHKD
1	12/15/11	JB	JB
2	01/10/12	JB	JB
3	01/10/12	JB	JB
4	01/10/12	JB	JB
5	01/10/12	JB	JB
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19	01/10/12	JB	JB
20	01/10/12	JB	JB



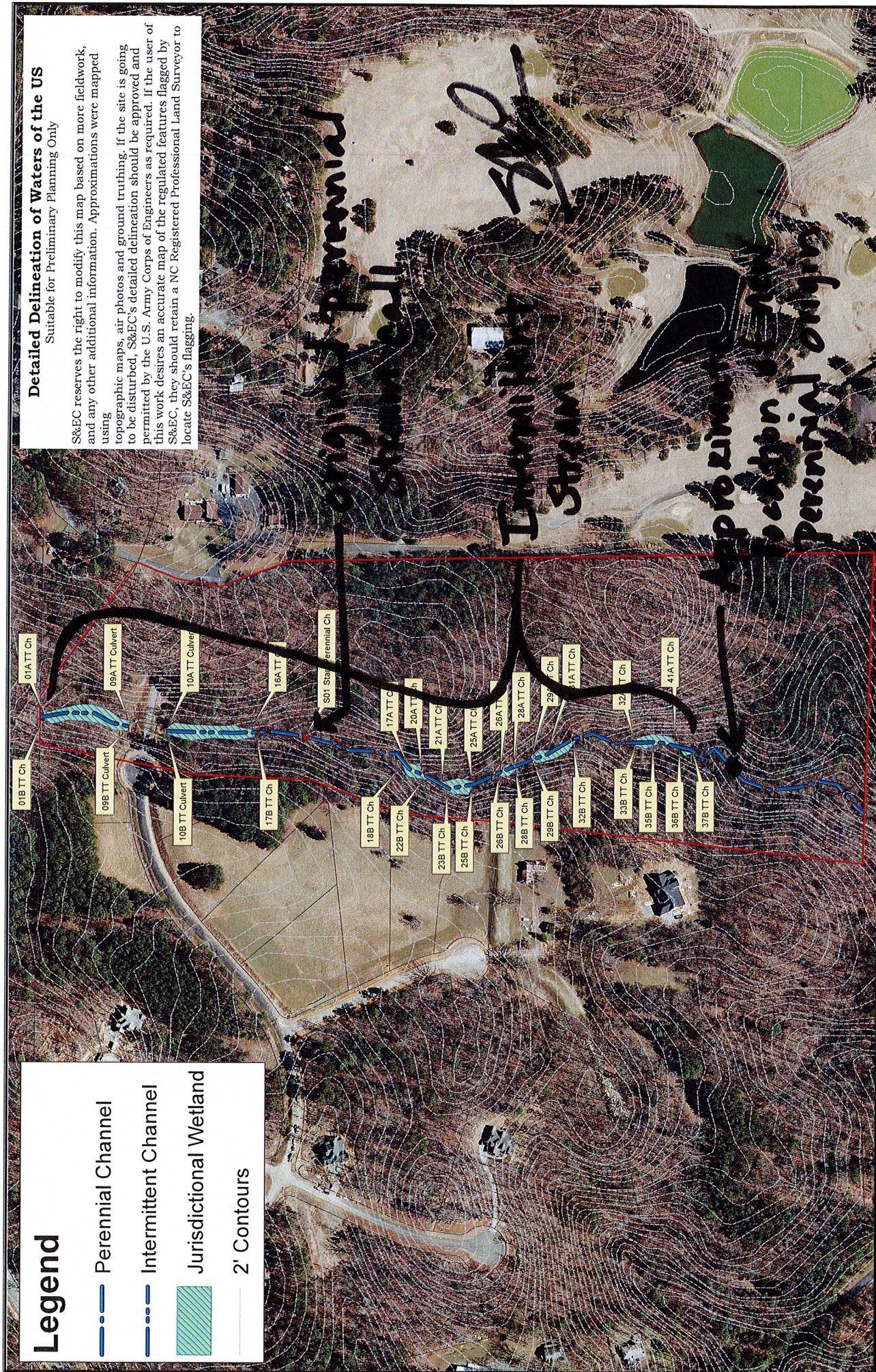
Legend

- Perennial Channel
- Intermittent Channel
- Jurisdictional Wetland
- 2' Contours

Detailed Delineation of Waters of the US

Suitable for Preliminary Planning Only

S&EC reserves the right to modify this map based on more fieldwork, and any other additional information. Approximations were mapped using topographic maps, air photos and ground truthing. If the site is going to be disturbed, S&EC's detailed delineation should be approved and permitted by the U.S. Army Corps of Engineers as required. If the user of this work desires an accurate map of the regulated features flagged by S&EC, they should retain a NC Registered Professional Land Surveyor to locate S&EC's flagging.

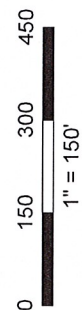


Project No.
9221.W2

Project Mgr.:
BZ

Scale:
1" = 150'

7/22/2015



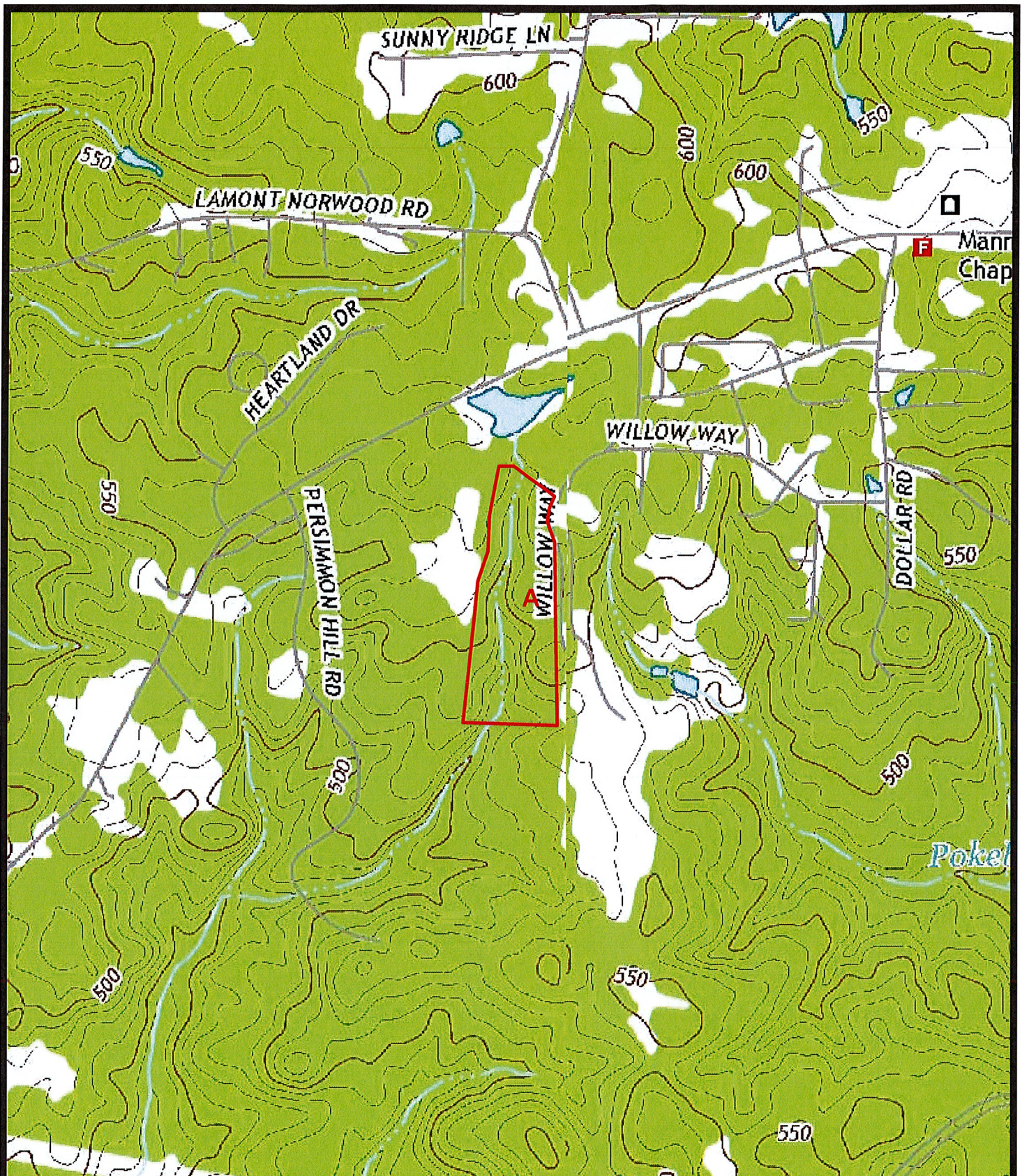
Wetland Sketch Map

Brookside
Chatham County, NC
Chatham County 2-foot
Topographic Contours

S&EC

Soil & Environmental Consultants, PA

8412 Falls of Neuse Road, Suite 104, Raleigh, NC 27615 • Phone: (919) 846-5900 • Fax: (919) 846-9467
sandec.com



Project Number: 9221.W2

Project Manager:
DG

Scale:
1" = 1000'

Date:
7/22/15

Map Title:

Figure 1 - USGS Map

Brookside
Chatham County, NC

Source: Chatham County GIS
USGS Farrington & Bynum Quads

0 1,000 2,000
Feet

N



S&EC

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sandecc.com



Project Number: 9221.W2

Project Manager:
DG

Scale:
1" = 2000'

Date: 7/22/15

Map Title:

Figure 2 - Soil Survey Map

Brookside
Chatham County, NC

Source: Soil Survey

0 2,000 4,000
Feet

N



S&E
EC

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sandes.com

**NC Division of Water Quality –Methodology for Identification of Intermittent and
Perennial Streams and Their Origins v. 4.11**

NC DWQ Stream Identification Form Version 4.11

Date: <u>7-22-15</u>	Project/Site: <u>Fieldstone</u>	Latitude: <u>-79.126799</u>
Evaluator: <u>DG</u>	County: <u>Chatham</u>	Longitude: <u>35.839659</u>
Total Points: <i>Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*</i>	Stream Determination (circle one) Ephemeral Intermittent Perennial	Other e.g. Quad Name:
<u>37.5</u>		

A. Geomorphology (Subtotal = 17.5)

	Absent	Weak	Moderate	Strong
1 ^a Continuity of channel bed and bank	0	1	2	<u>3</u>
2. Sinuosity of channel along thalweg	0	<u>1</u>	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	<u>2</u>	3
4. Particle size of stream substrate	0	<u>1</u>	2	3
5. Active/relict floodplain	<u>0</u>	1	2	3
6. Depositional bars or benches	0	1	2	<u>3</u>
7. Recent alluvial deposits	0	1	<u>2</u>	3
8. Headcuts	0	1	2	<u>3</u>
9. Grade control	0	0.5	<u>1</u>	1.5
10. Natural valley	0	0.5	1	<u>1.5</u>
11. Second or greater order channel	<u>No = 0</u>		Yes = 3	

^a artificial ditches are not rated; see discussions in manual

B. Hydrology (Subtotal = 11)

12. Presence of Baseflow	0	1	<u>2</u>	3
13. Iron oxidizing bacteria	0	1	<u>2</u>	3
14. Leaf litter	<u>1.5</u>	1	0.5	0
15. Sediment on plants or debris	0	0.5	<u>1</u>	1.5
16. Organic debris lines or piles	0	0.5	1	<u>1.5</u>
17. Soil-based evidence of high water table?	No = 0		<u>Yes = 3</u>	

C. Biology (Subtotal = 9)

18. Fibrous roots in streambed	<u>3</u>	2	1	0
19. Rooted upland plants in streambed	<u>3</u>	2	1	0
20. Macrobenthos (note diversity and abundance)	0	<u>1</u>	2	3
21. Aquatic Mollusks	<u>0</u>	1	2	3
22. Fish	<u>0</u>	0.5	1	1.5
23. Crayfish	0	0.5	<u>1</u>	1.5
24. Amphibians	0	<u>0.5</u>	1	1.5
25. Algae	0	<u>0.5</u>	1	1.5
26. Wetland plants in streambed	FACW = 0.75; OBL = 1.5 Other = 0			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

Sketch: Perennial point is a "start High" point. See attached NC-DWQ Letter for previous "lower" start point.



Michael F. Easley, Governor

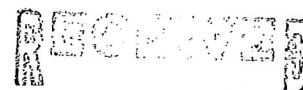
William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Coleen H. Sullins, Director
Division of Water Quality

August 1, 2007

DWQ EXP# 07-1284
Chatham County

Mr. J. Mack Little
Little & Little Landscape Architects, PLLC
P.O. Box 1448
Raleigh, NC 27602



AUG 3 2007

Subject Property: **Fieldstone Residential Subdivision**

LITTLE & LITTLE

On-Site Stream Intermittent/Perennial Determination - EXPRESS REVIEW PROGRAM

On August 1, 2007, at your request, an on-site determination was conducted to review two stream features located on the subject property to determine their intermittent/perennial status. The features are labeled as "A" and "B" on the attached map, initialed by Lia Myott on August 1, 2007. The Division of Water Quality (DWQ) has determined that the following:

- Feature "A" is an intermittent stream on the property and transitions to a perennial stream at the flag labeled "A1".
- Feature "B" is an ephemeral stream on the property.

This on-site determination shall expire five (5) years from the date of this letter.

This letter *only* addresses the intermittent/perennial status of the stream features listed above according to current DWQ standards and does not approve any activity within the streams or address features that were not observed during the site visit. Nor does this letter approve any activity within Waters of the United States or Waters of the State. If you have any questions, please contact Lia Myott at 919.733.9502.

Sincerely,

Coleen H. Sullins, Director
NC Division of Water Quality

CHS/cbk/lem

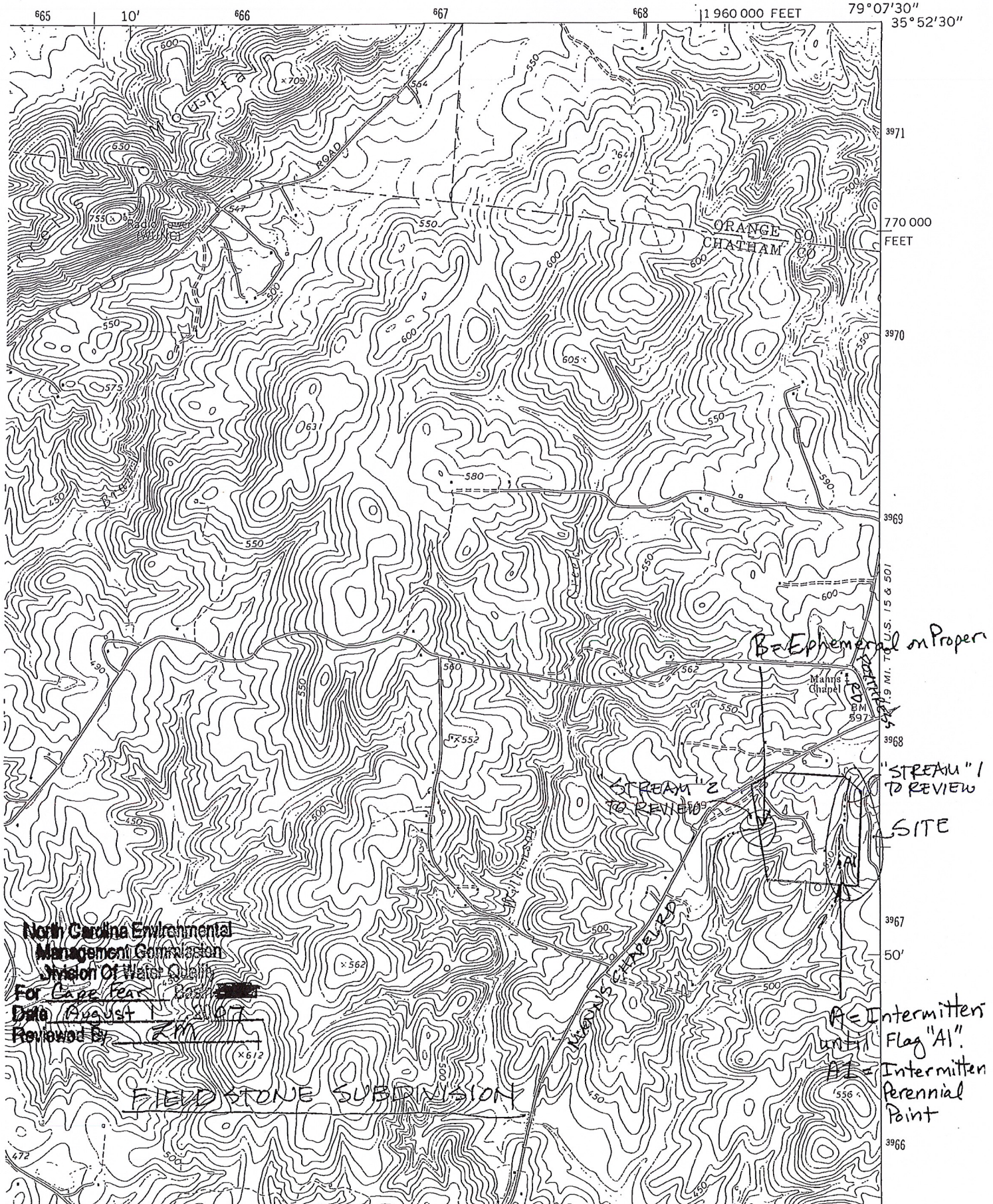
Attachments: USGS Topo Quad Map

cc: Lynn Richardson, Chatham County Planning Dept., 80-A East Street, P.O. Box 54, Pittsboro, NC 27312
File Copy
Central Files

Exp 07-1284

BYNUM QUADRANGLE
NORTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)

5155' INE
(CHAPEL HILL)



North Carolina Environmental
Management Commission
Division Of Water Quality
For Cape Fear
Date August 1, 2007
Reviewed By [Signature]

B = Ephemeral on Proper

"STREAM 1" TO REVIEW

SITE

A = Intermittent
Flag "A1"
Intermittent
Perennial
Point

Site Photographs



Flag S1 Start Perennial Looking Down Stream



Flag S1 Start Perennial Looking Up Stream