### CHATHAM COUNTY **MAJOR SUBDIVISION REVIEW CHECKLIST**

Subdivision Name: Norwood Felton Subdivision

Review For:

[X] Sketch

[ ] Prelim [ ] Final

Attach all supporting documentation regarding these approvals. If approvals are still pending, attach applications for

| SKETCH DESIGN REVIEW  | APPROVAL DATE |
|---|---------------|
| [X] 25 Copies of Plat with topo along with one (1) 8-1/2 x 11 copy  | ·             |
| [X] Application w/Complete Adjacent Owner Addresses   |               |
| [X] Soil Scientist Report and soil map  |               |
| [X] Confirmation from Chatham County Historical Association/Jane Pyle/542-3603                                    |               |
| [X] 1 electronic copy of all items above (see Digital Document Requirements)                                      |               |
| PRELIMINARY PLAT REVIEW   |               |
| [ ] 25 Copies of Plat along with one (1) 8-1/2 x 11 copy  |               |
| [ ] Application w/ Complete Adjacent Owner Addresses  |               |
| [ ] Detailed Soils Map and Letter of explanation or D.E.M. approval   |               |
| (see Requirements for soil scientist report)  |               |
| [ ] NCDOT Approval (if public roads)  |               |
| [ ] DOT Comm. Driveway Permit   |               |
| [ ] Erosion Control Plan Approval (if new roads or one acre disturbed)  | //            |
| [ ] U.S. Army Corps of Engineers Permit (if appl)   |               |
| [ ] Road Name Request Form  |               |
| [ ] County Public Water Approval (if applicable)  |               |
| [ ] State Public Water Approval (if applicable)   | /             |
| [ ] Chatham Co. Schools' Road Comments (if new roads)   |               |
| [ ] Stormwater Management Plan Approval (if appl)   |               |
| [ ] Economic & Environmental Impact Study (if appl)   |               |
| [ ] Water / Sewer Impact Statement (if appl)  |               |
| { } 1 electronic copy of all items above (see Digital Document Requirements)                                      |               |
| FINAL PLAT REVIEW   |               |
| [ ] 25 Copies of Plat   |               |
| [ ] Application   |               |
| { } 1 electronic copy of all items above (see Digital Document Requirements)                                      | /             |
| [ ] Chatham County Environmental Health Division septic improvement permits or NCDWQ septic permits for each lot. |               |
| [ ] Road Completion Certificate or Financial Guarantee  |               |
| [ ] Utilities Completion Cert. or Financial Guarantee   |               |
| Comment   |               |

| Chatham County Planning Departm<br>P.O. Box 54<br>Pittsboro, NC 27312<br>Tel: (919) 542-8204<br>Fax: (919) 542-2698  |                       |   | Type of Review [X] Sketch [] Preliminary [] Final |
|--|-----------------------|---|---|
| MAJOR SUBDIVISION APPL   |                       |   |   |
| Name of Subdivision: Norwood Fe Subdivision Applicant:   |                       | ubdivision Owner:   |   |
| Pittsboro, NC 27312 Phone:(W) 919-542-2400 Phone:(H) Fax:919-54 E-Mail: robinson@bradshawrobinson Township: Baldwin Zoning: RA-40 Flood Map #3710974600J Zone: 2 and 3710975500J Watershed: WS-IV PA | Add    Ph   2-0496    | Gail N. Felton dress: 2603 Mann's Pittsboro, NC one:(W) one:(H) Mail # 9756-81-8208 # 0001693 Access Road: S.R .R. road name Ma | . # 1532<br>anns Chapel Road                      |
| Total Acreage: <u>+/- 106 acres</u>  |                       |   | ot Size: .92 ac                                   |
| Ph. I Acreage  | Pn. I # of lots       |   | Max. Lot Size: 6.7 ac                             |
| Ph. II Acreage   | Ph. II # of lots      |   | Avg. Lot Size: 1.95 ac                            |
| Ph. III Acreage  | Ph. III # of lots     | -   |   |
| Name and date of contact with Cha  | tham County His       | torical Associatio  | n: <u>May 4, 2007, Jane Pyle</u>                  |
| Type of new road: [ ] Private/ Leng  | th                    | [X]Public/L   | ength 5,000 <u>1.f.</u>                           |
| Road Surface:  | Water System          | :   | Sewer System:                                     |
| [X] paved  | [ ] individual w      |   | [X] septic systems                                |
| [ ] gravel   | [ ] community         |   | [ ] community system                              |
|  | [X] public syst       |   | [ ] public system                                 |
|  | name Chat             | ham County r  | name  |
| List other facilities: commercial, red   | creation, etc., and t | the approximate ac  | reage or square footage:                          |
| Happison Pond, Ugc.  | 5/W67                 | - terrode - d'Alline de .   | · · · · · · · · · · · · · · · · · · ·             |
| Welliam (). Brun M.  | <i>5仏6つ</i><br>Date   |   | Date  |
| Signature of Applicant /   |                       | Signature of (  | Dwner   |
| For Office Use Only:<br>Notes:   |                       |   |   |
| Appro  | oved by County Comm   | Preliminary   | /   |
| Payment: Date / /  | Amount: \$            | Final   |   |

Payment: Date / / Amount: \$\_\_\_\_\_

40 O T

| Chatham County Planning Departm                                  | ent                                   | Type of Review                                     |
|--|---------------------------------------|--|
| P.O. Box 54  |                                       | [X] Sketch   |
| Pittsboro, NC 27312  |                                       | [ ] Preliminary                                    |
| Tel: (919) 542-8204  |                                       | [ ] Final  |
| Fax: (919) 542-2698  | CATION                                |  |
| MAJOR SUBDIVISION APPLI  | CATION                                |  |
| Name of Subdivision: Norwood Fe Subdivision Applicant:           | lton Subdivision<br>Subdivision       | Owner:   |
| Name: Harrison Pond, LLC   | Name: Kennet                          | h E. Norwood, Mary Ann Norwood,                    |
| c/o Nicolas P. Robinson  | Gail N                                | I. Felton, and John Felton                         |
| Address: P.O. Box 607 Pittsboro, NC 27312                        | Address: 2603                         | 3 Mann's Chapel Road<br>boro, NC 27312             |
| Phone: (M) 010 542-2400  | Phone:(W)                             | 0010, NG 27312                                     |
| Phone:(W) 919-542-2400<br>Phone:(H) Fax:919-54                   | 2-0496 Phone:(H)                      | Fax:   |
| E-Mail: robinson@bradshawrobinson Township: Baldwin Zoning: RA-4 | .com E-Mail                           |  |
| Township: Baldwin Zoning: RA-4                                   | P. I. N. # 9756-8                     |  |
| Flood Map #3710974600J Zone:                                     | X; E Parcel # 0001693                 |  |
| and 3710975500J<br>Watershed: WS-IV PA                           | Existing Access Ro                    | ad: S.R. # 1532                                    |
| Watershed. World 174   | S.R. road n                           | ame <u>Manns Chapel Road</u> Min. Lot Size: 192 oc |
| Total Acreage:   |                                       |  |
| Ph. I Acreage  |                                       | Max. Lot Size: 6.7 ac                              |
| Ph. Il Acreage.  | Ph. II # of lots                      | Avg. Lot Size: 1.95 ac.                            |
| Ph. III Acreage  | Ph. III # of lots                     | _  |
| Name and date of contact with Cha                                | atham County Historical Ass           | sociation: May A, 2007 Jano Pyle                   |
| Type of new road: [ ] Private/ Leng                              | gth [X] i                             | Public/ Length 5000 1.4.                           |
| Road Surface:  | Water System:                         | Sewer System:                                      |
| [X] paved  | [ ] individual wells                  | [X] septic systems                                 |
| [ ] gravel   | [ ] community wells                   | [ ] community system<br>[ ] public system          |
|  | [ X ] public system name Chatham Coun | <b>=</b> - '                                       |
| List other facilities: commercial, re                            | creation, etc., and the approx        | imate acreage or square footage:                   |
|  | - Bary and now                        | rust Date 5-4-0>                                   |
|  | _Date/ Lennem The                     | ature of Owner                                     |
| Signature of Applicant   | Sign                                  | ature of Owner                                     |
| For Office Use Only:   |                                       |  |
| Notes:Anni   | oved by County Commissioners:         | Skelch   |
| Аррі   | Over by County Commercial             | Preliminary<br>Final                               |
|  |                                       | •  |
| •  |                                       |  |

#### **ADJOINING LANDOWNERS**

- Kenneth E. Norwood
   2603 Manns Chapel Road
   Pittsboro, NC 27312
   Parcel No. 1694
- Bobby L. Arrington
   Vergie H. Arrington
   2564 Manns Chapel Road
   Pittsboro, NC 27312
   Parcel No. 1674
- 3. John Duszynski 2536 Manns Chapel Road Pittsboro, NC 27312 Parcel No. 1673
- Barbara Shean
   Danny L. Shean
   2488 Manns Chapel Road
   Pittsboro, NC 27312
   Parcel No. 1719
- 5. Mary Beth Hackenberg 2431 Manns Chapel Road Pittsboro, NC 27312 Parcel No. 1744
- 6. Mary Tripp Teasley
  2272 Manns Chapel Road
  Pittsboro, NC 27312
  Parcel No. 1771
- 7. Michael E. Solle Mikelle Key-Solle 188 Jamestown Road Pittsboro, NC 27312 Parcel No. 75542
- 8. Douglas Wayne McKay
  Ann Marie McKay
  230 Jamestown Road
  Pittsboro, NC 27312
  Parcel No. 75541

- 9. James E. Kurz, Jr. Lucy C. Kurz 270 Jamestown Road Pittsboro, NC 27312 Parcel No. 75540
- 10. William H. Wright
  Signe H. Wright
  306 Jamestown Road
  Pittsboro, NC 27312
  Parcel No. 75539
- 11. James B. Kreutzmann Carol L. Kreutzmann 342 Jamestown Road Pittsboro, NC 27312 Parcel No. 75538
- 12. George B. Coombe
  Kathleen Coombe
  370 Jamestown Road
  Pittsboro, NC 27312
  Parcel No. 76618
- 13. Stephen Eugene Oglesbee Melanie Brewer Oglesbee 390 Jamestown Road Pittsboro, NC 27312 Parcel No. 76617
- 14. Margaret Howard406 S. Main StreetLexington, VA 24450Parcel No. 1717
- 15. Donald R. Knowles
  Rebecca B. Knowles
  2390 Lamont Norwood Road
  Pittsboro, NC 27312
  Parcel No. 74682 and 74683
- Michael Oran Calloway
  Mimi M. Kim
  2412 Lamont Norwood Road
  Pittsboro, NC 27312
  Parcel No. 1716

## 17. Andrew L. Lee 2490 Lamont Norwood Road Pittsboro, NC 27312 Parcel No. 76703

# 18. Eric P. Wales Deborah R. Wales 2500 Lamont Norwood Road Pittsboro, NC 27312 Parcel No. 76702

# 19. Wesley S. GarrisonAshley Garrison10 Green Ridge LanePittsboro, NC 27312Parcel No. 76701

## 20. Barbara Kassmann Edward Kassman 18 Green Ridge Lane Pittsboro, NC 27312 Parcel No. 76700

### 21. Theresa A. Rogowski 30 Green Ridge Lane Pittsboro, NC 27312 Parcel No. 76699

# 22. Richard W. Dail Erin H. Dail 50 Green Ridge Lane Pittsboro, NC 27312 Parcel No. 76698

### 23. Elizabeth V. Sholly, Trustee 3912 Sterling Ridge Drive Durham, NC 27707 Parcel No. 75592

## Commonwealth Construction & Design Inc. P. O. Box 5100 Chapel Hill, NC 27514 Parcel No. 81000

- 25. Timberlyne Holdings LLC102 Highland TrailChapel Hill, NC 27516Parcel No. 80999
- 26. Robert Edwards c/o George Paylor 100 Queen Street Carrboro, NC 27510 Parcel No. 1745

## **Development Schedule for Norwood Felton Subdivision**

- Preliminary Plat Submission, on or before July 31, 2008
- Complete Infrastructure Improvements, approx. January 09
- Final Plat Submission, January 09
- Initiation of Home Construction, February 09
- Initial Home Occupancy, Summer 09
- Buildout Rate of approx. 15 20 Homes per Year



## Soil & Environmental Consultants, PA

3817-E Lawndale Drive • Greensboro, North Carolina 27455 • Phone: (336) 540-8234 • Fax: (336) 540-8235 www.SandEC.com

May 3, 2007 Project #4-1785.Sx

Harrison Pond, LLC Attn: Mr. Nick Robinson. PO Box 607 Pittsboro, NC 27312

Re: Limited Feasibility Study for Subsurface Wastewater Applications on Norwood Property: +/-116 total acres: Chatham County, NC

Dear Mr. Robinson:

Soil & Environmental Consultants, PA (S&EC) performed a Limited Feasibility Study on the above referenced tract. This was performed at your request as part of the preliminary planning process in order to approximate areas of soil that have potential for subsurface wastewater disposal. Fieldwork was completed on May 2, 2007. It is important to note that a Limited Feasibility Study is designed to provide a general approximation of the location and extent of potentially useable soils. Further analysis is required prior to moving forward with any final subdivision plan.

#### LIMITED FEASIBILITY STUDY FOR SUBSURFACE APPLICATIONS

S&EC traversed the property and observed landforms (slope, drainage patterns, past use, etc.) as well as soil conditions (depth, texture, structure, seasonal wetness, restrictive horizons, etc.) through the use of hand auger borings. The site was evaluated during moist soil conditions. From these observations, an evaluation of the site was developed, relative to subsurface disposal of wastewater. Soil boundaries were estimated. The soil/site evaluation criteria used is that contained in 15 A NCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems".

#### **FINDINGS**

This site is located in the northeast region of Chatham County. The upland soils on this tract are similar to the Wedowee, Pacolet, Saw, and Helena soil series. The Wedowee and Pacolet soil series are generally greater than 30 inches deep to prohibitive characteristics and are generally suitable for conventional type septic systems. The Helena soils have wetness conditions and mixed clay mineralogy and are generally unsuitable for conventional type septic systems. The Saw soils have varying depths to rock and hard saprolite, and these soils are generally unsuitable for conventional type septic systems. Other limiting factors on the project include complex and unsuitable topography, and bouldery areas.

Figure 1 is a rendering of the NRCS Soil Survey data for this property. WeB, WeC, and WeE indicate the Wedowee soil series with varying slopes. As mentioned above, typical profiles of the Wedowee soil series are generally useable for subsurface septic systems.

The accompanying AutoCAD map indicates the estimated areas with potential use for subsurface wastewater disposal. The red-slashed units indicate approximate areas of soils which are at least

30 inches deep to prohibitive soil characteristics and these areas have potential for a conventional septic system or a modified conventional (shallow placed lines with no fill required over the disposal area) system. The green-hatched units indicate approximate areas of soils with a bouldery to extremely bouldery surface. This bouldery surface severely limits auger evaluation of the soils, and may also have limitations for the installation of subsurface septic systems. A backhoe evaluation in these areas may be necessary to accurately determine suitability. Unit "UNS" on the attached map indicates areas of soils that are less than 18 inches to prohibitive soil characteristics and are generally unsuitable for the type of systems mentioned above. However, they may be suitable for more expensive alternative septic systems, i.e. subsurface drip irrigation, pretreatment drip or spray irrigation, etc. Such systems are expensive and, if requested, S&EC can provide additional information concerning these types of systems.

This report discusses the general location of potentially useable soils for on-site subsurface wastewater disposal and, of course, does not constitute or imply any approval or permit as needed by the client from the local heath department. S&EC is a professional consulting firm that specializes in the delineation of soil areas for wastewater disposal, and the layout and design of wastewater treatment systems. As a professional consulting firm, S&EC is hired for its professional opinion in these matters. The rules governing wastewater treatment (interpreted and governed by local and state agencies) are evolving constantly, and in many cases, affected by the opinions of individuals employed by these governing agencies. Because of this, S&EC cannot guarantee that areas delineated and/or systems designed will be permitted by the governing agencies. As always, S&EC recommends that anyone making financial commitments on a tract be fully aware of individual permit requirements, including, but not limited to, applying for and obtaining improvement permits and approval from local/State governing authorities on that tract prior to final action.

Soil & Environmental Consultants, PA. is pleased to be of service in this matter and we look forward to assisting in any site analysis needs you may have in the future. Please feel free to call with any questions or comments.

Sincerely,

Robert Edwin Stott, R.S. NC Licensed Soil Scientist

Jonathon R. Townsley NC Soil Scientist in Training

Encl: Attachment I

Figure 1 – NRCS Map

Limited Feasibility Study Soil Map

#### Attachment 1

#### .1950 Location of Sanitary Sewage Systems

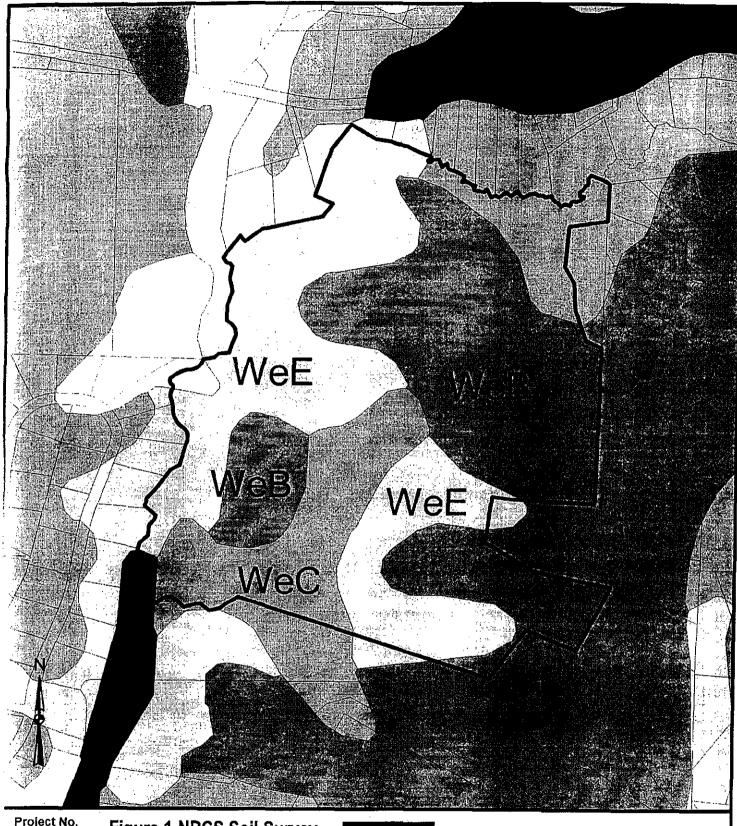
(c) Every sanitary sewage treatment and disposal system shall be located at least the minimum horizontal distance from the following:

| (1)  | any private water supply source including a well or spring                             | 100 feet                              |
|------|--|---------------------------------------|
| (2)  | any public water supply source   | 100 feet .                            |
| (3)  | streams classified as WS-I   | 100 feet                              |
| (4)  | water classified as S.A.   | 100 feet from mean<br>high water mark |
| (5)  | Other coastal waters   | 50 feet from mean high water mark     |
| (6)  | any other stream, canal, marsh, or other surface waters                                | 50 feet                               |
| (7)  | any Class I or Class II reservoir  | 100 feet from normal pool elevation   |
| (8)  | any permanent storm water retention pond   | 50 feet from flood pool elevation     |
| (9)  | any other lake or pond   | 50 feet from normal pool elevation    |
| (10) | any building foundation  | 5 feet                                |
| (11) | any basement   | 15 feet                               |
| (12) | any property line  | 10 feet                               |
| (13) | top of slope of embankments or cuts of 2 feet or more vertical height                  | 15 feet                               |
| (14) | any water line   | 10 feet                               |
| (15) | drainage systems: (A) Interceptor drains, foundation drains and storm water diversions | Service Control of the                |
|      | (i) upslope  | 10 feet                               |
|      | (ii) sideslope<br>(iii) downslope  | 15 feet                               |
|      | (B) Groundwater lowering ditched and devices   | 25 feet<br>25 feet                    |
| (16) | any swimming pool  | 15 feet                               |
| •    |  | 4                                     |
| (17) | any other nitrification field (except repair area)                                     | 20 feet                               |

- (b) Ground absorption, sewage treatment and disposal systems may be located closer than 100 feet from a private well supply, except springs and uncased wells located downslope and used as a source of drinking water, repairs, space limitations and other site-planning considerations but shall be located the maximum feasible distance and, in no case, less than 50 feet.
- (c) Nitrification fields and repair areas shall not be located under paved areas or areas subject to vehicular traffic. If effluent is to be conveyed under areas subject to vehicular traffic, ductile iron or its equivalent pipe shall be used. However, pipe specified in Rule .1955 (e) may be used if a minimum of 30 inches of compacted cover is provided over the pipe.

Note: Systems over 3000 GPD or an individual nitrification fields with a capacity of 1500 GPD or more have more restrictive setback requirements, see .1950 (a) (17) (d) for specifics.

Note: Spray applications are governed by the NC-DWQ .0200 Rules, and have different setbacks than subsurface wastewater systems.



Project No. 4-1785.S1

Figure 1-NRCS Soil Survey Norwood Property

Project Mgr.:-JT Norwood Property Harrison Pond, LLC. Chatham County, NC

Scale: 1" = 500' **Chatham County Soil Survey** 



Soil & Environmental Consultants, PA

3817-E Lawndale Dr. Greensboro, NC 27455 (336) 540-8234 www.sandec.com

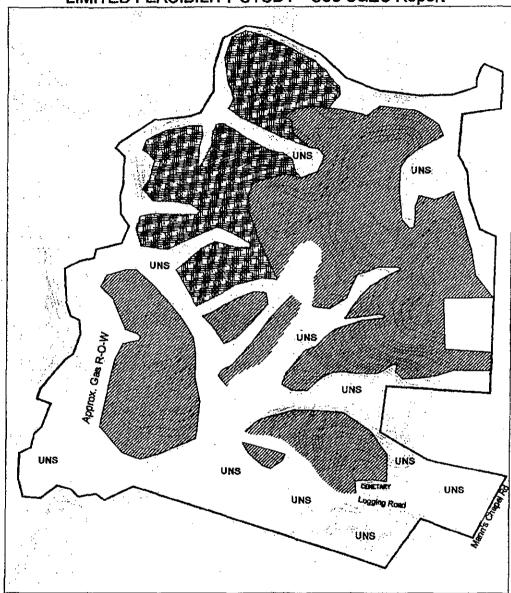
NET A SURVEY LINES NUT LUCATED ASE HAP PROVIDED BY CLICKT

ACTUAL ALBENNENT IN FIELD MAY VARY SLIGHTLY FROM MAP REPRESENTATION

GRAPHIC SCALE 1" = 500' 500 1000



\*LIMITED FEASIBILITY STUDY - See S&EC Report\*



## \*LIMITED FEASIBILITY STUDY - See S&EC Report\*

**LEGEND** 

Limited Feasibility Study

Estimated areas contain soils with 30 inches or more of useable material and may have potential for conventional type septic systems.



Limited Feasibility Study

Estimated areas contain soils with a bouldery to extremely bouldery surface which limited auger evaluation. Backhoe evaluation may be necessary

UNSUITABLE UNS

to accurately determine the suitability in these greas.

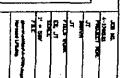
SHEET TITLE Limited Feasibility Study

SHEET L of 1

PRILIECT WHILE Norwood Property Harrison Pand, LLC Chatham County, NC May 2007



Soil and Environmental Consultants, PA

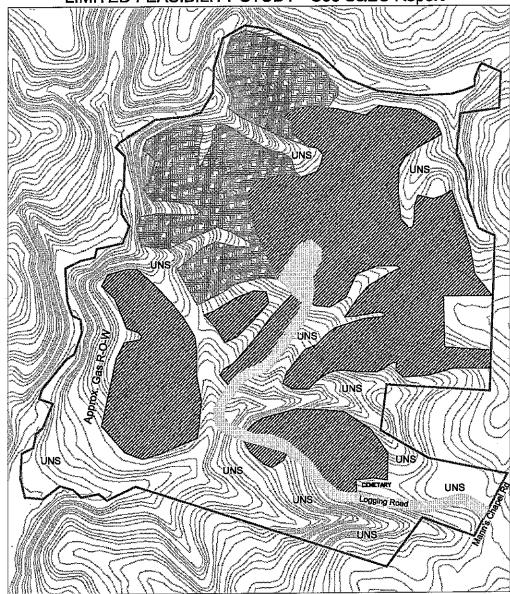


NOT A SURVEY LINES NOT LOCATED ISE HAP PROVIDED BY CLIENT ACTUAL ALIGNMENT IN FIELD MAY VARY SLIGHTLY FROM MAP REPRESENTATION

**GRAPHIC SCALE** 1" = 500'1000 500



\*LIMITED FEASIBILITY STUDY - See S&EC Report\*



## \*LIMITED FEASIBILITY STUDY - See S&EC Report\*

**LEGEND** 



Limited Feasibility Study

Estimated areas contain soils with 30 inches or more of useable material and may have potential for conventional type septic systems.



Limited Feasibility Study Estimated areas contain soils with a bouldery

to extremely bouldery surface which limited auger evaluation. Backhoe evaluation may be necessary to accurately determine the suitability in these areas.

UNSUITABLE UNS

SHEAT TITLE

Limited Feasibility Study

SHEET 1 of 1

Norwood Property Harrison Pond, LLC Chatham County, NC May 2007

Soil and Environmental Consultants, PA

NEV JEE

### BRADSHAW & ROBINSON, LLP

ATTORNEYS AND COUNSELORS AT LAW

HALL-LONDON HOUSE
128 HILLSBORO STREET
POST OFFICE BOX 607
PITTSBORO, NORTH CAROLINA 27312

PATRICK E. BRADSHAW NICOLAS P. ROBINSON COURTNEY A. BOWEN ANDREW T. SLAWTER

(919) 542-2400 FAX 542-0496 robinson@bradshawrobinson.com

May 4, 2007

Ms. Jane Pyle Chatham County Historical Association, Inc. Post Office Box 93 Pittsboro, North Carolina 27312

VIA U.S. MAIL AND ELECTRONIC MAIL

Dear Ms. Pyle:

This letter is to advise you under Section 4.4B (1) of the Chatham County Subdivision Ordinance that a subdivision of land is being proposed for a tract of approximately 106 acres located on Manns Chapel Road. The land is identified as tax parcel 1693 on the Chatham County GIS system. The land is owned by Ken and Mary Ann Norwood and John and Gail Felton.

The overall tract is approximately 116 acres in size. See enclosed sketch design. Only approximately 106 of those acres will be a part of the subdivision. There is a portion of the property comprised of approximately 10 acres located directly behind tax parcel 1694 (owned by Kenneth Norwood) that will be excluded from the subdivision. This exclusion of a 10-acre parcel is important because I am advised by Mr. Norwood that his father's home, built in approximately 1900, is situated on that excluded 10-acre parcel.

As such, neither the owner nor the developer are aware of any structures over fifty (50) years in age located on the 106-acre development parcel. The owner has made us aware of two gravesites located on the 106-acre parcel. One is shown on the map near the entry. We are uncertain of the location of the other. Of course, we will comply with state law with regard to those gravesites. We do not know if they are of any historical significance but we will certainly cooperate with the Chatham County Historical Association, Inc. if there is interest.

Please let me know if you have any questions regarding the above.

Very truly yours,

Nicolas P. Robinson

NPR:jbs

