



North Carolina Department of Environment and Natural Resources

Division of Water Quality
Coleen H. Sullins
Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

August 31, 2009



Mr. William S. Mumford
NNP – Briar Chapel, LLC
16 Windy Knoll Circle
Chapel Hill, NC 27516

Re: Briar Chapel, Chatham County
DWQ Project # 20050732, Ver. 13; USACE Action ID. No. 200121252
APPROVAL of 401 Water Quality Certification with Additional Conditions - MODIFICATION

Dear Mr. Mumford:

Attached hereto is a copy of Certification No. 3567 issued to Mr. William S. Mumford of NNP- Briar Chapel, LLC, Inc., dated August 31, 2009. **This Certification replaces the Certification issued to you on January 11, 2008, July 21, 2009, and July 24, 2009.** In addition, you should get any other federal, state or local permits before you go ahead with your project including (but not limited to) Solid Waste, Sediment and Erosion Control, Stormwater, Dam Safety, Non-discharge and Water Supply Watershed regulations.

If we can be of further assistance, do not hesitate to contact us.

Sincerely,

Coleen Sullins

CHS/cbk/ijm

Attachments: Certificate of Completion

cc: Becky Fox, EPA, 1307 Firefly Road, Whittier, NC 28789
U.S. Army Corps of Engineers, Raleigh Regulatory Field Office, Wilmington District
Lauren Witherspoon, DWQ Raleigh Regional Office
DLR, Raleigh Regional Office
File Copy
Nicole Thomson, S&EC, P.A., 11010 Raven Ridge Road, Raleigh, NC 27614

Filename: 050732Ver13BriarChapel(Chatham)401_IC_MOD2_Revised

NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500 to Mr. William S. Mumford of NNP- Briar Chapel, LLC to fill 0.4374 acres of 404/wetland (permanent impact), 0.197 acres 404/wetland (temporary impact), 2,154 linear feet of perennial stream (permanent impact), 612 linear feet of perennial stream (temporary impact), 83 linear feet of intermittent stream (permanent impact), and 22 linear feet of intermittent stream (temporary impact), in the Cape Fear River Basin, to construct the Briar Chapel residential and mixed use development at the site. The site is located west of U.S. Highway 15-501, and north of Andrew's Store Road (SR 1528), and south of Mann's Chapel Road (SR 1532), approximately 5 miles south of Chapel Hill, in Chatham County, North Carolina, pursuant to a permit application dated May 8, 2009, and received by the DWQ on May 8, 2009, by Public Notice issued by the USACE on May 22, 2009, and received by the DWQ on May 22, 2009, and by all additional correspondences received by the DWQ on May 20, 2009 and June 25, 2009.

The application and supporting documentation provides adequate assurance that the proposed work will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application, the supporting documentation, and conditions hereinafter set forth.

This approval is only valid for the purpose and design submitted in the application materials and as described in the Public Notice. If the project is changed, prior to notification a new application for a new Certification is required. If the property is sold, the new owner must be given a copy of the Certification and approval letter and is thereby responsible for complying with all conditions of this Certification. Any new owner must notify the Division and request the Certification be issued in their name. Should wetland or stream fill be requested in the future, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). If any plan revisions from the approved site plan result in a change in stream or wetland impact or an increase in impervious surfaces, the DWQ shall be notified in writing and a new application for 401 Certification may be required. For this approval to be valid, compliance with the conditions listed below is required.

Conditions of Certification:**1. Impacts Approved**

The following impacts are hereby approved as long as all of the other specific and general conditions of this Certification (or Isolated Wetland Permit) are met. No other impacts are approved including incidental impacts:

Type of Impact	Amount Approved (Units)	Plan Location or Reference
404/401 Wetlands	0.4374 (acres) – permanent impact	Table 2, Application, and Public Notice
404/401 Wetlands	0.197 (acres) – temporary impact	Table 2, Application, and Public Notice
Stream (perennial)	2,154 (linear feet) – permanent impact	Table 2, Application, and Public Notice
Stream (perennial)	612 (linear feet) – temporary impact	Table 2, Application, and Public Notice
Stream (intermittent)	83 (linear feet) – permanent impact	Table 2, Application, and Public Notice
Stream (intermittent)	22 (linear feet) – temporary impact	Table 2, Application, and Public Notice

Sediment and Erosion Control:

2. Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to protect surface waters standards:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
3. No waste, spoil, solids, or fill of any kind shall occur in wetlands, waters, or riparian areas beyond the footprint of the impacts depicted in the 404/401 Permit Application. All construction activities, including the design, installation, operation, and maintenance of sediment and erosion control Best Management Practices, shall be performed so that no violations of state water quality standards, statutes, or rules occur;
4. Sediment and erosion control measures shall not be placed in wetlands or waters without prior approval from the Division. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, design and placement of temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands or stream beds or banks, adjacent to or upstream and down stream of the above structures. All sediment and erosion control devices shall be removed and the natural grade restored within two (2) months of the date that the Division of Land Resources or locally delegated program has released the project.
5. Protective Fencing - The outside buffer, wetland or water boundary and along the construction corridor within these boundaries approved under this authorization shall be clearly marked with orange warning fencing (or similar high visibility material) for the areas that have been approved to infringe within the buffer, wetland or water prior to any land disturbing activities.

Continuing Compliance:

6. Mr. William S. Mumford and NNP- Briar Chapel, LLC shall conduct construction activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with section 303(d) of the Clean Water Act) and any other appropriate requirements of State law and federal law. If the Division determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the Division may reevaluate and modify this Certification to include conditions appropriate to assure compliance with such standards and requirements in accordance with 15A NCAC 2H.0507(d). Before modifying the Certification, the Division shall notify Mr. William S. Mumford and NNP- Briar Chapel, LLC and the US Army Corps of Engineers, provide public notice in accordance with 15A NCAC 2H.0503 and provide opportunity for public hearing in accordance with 15A NCAC 2H.0504. Any new or revised conditions shall be provided to Mr. William S. Mumford and NNP- Briar Chapel, LLC in writing, shall be provided to the United States Army Corps of Engineers for reference in any Permit issued

pursuant to Section 404 of the Clean Water Act, and shall also become conditions of the 404 Permit for the project;

7. Construction Stormwater Permit NCG010000

Upon the approval of an Erosion and Sedimentation Control Plan issued by the Division of Land Resources (DLR) or a DLR delegated local erosion and sedimentation control program, an NPDES General stormwater permit (NCG010000) administered by DWQ is automatically issued to the project. This General Permit allows stormwater to be discharged during land disturbing construction activities as stipulated by conditions in the permit. If your project is covered by this permit [applicable to construction projects that disturb one (1) or more acres], full compliance with permit conditions including the sedimentation control plan, self-monitoring, record keeping and reporting requirements are required. A copy of this permit and monitoring report forms may be found at http://h2o.enr.state.nc.us/su/Forms_Documents.htm.

Mitigation:

8. Compensatory Mitigation

Compensatory stream mitigation shall be accomplished by using 2,127 linear feet of stream mitigation credit at the Harpers Crossroads stream mitigation site and the remaining 27 linear feet of required stream credit (10:1 ratio = 270 linear feet) from the 63,412 linear feet of available onsite stream preservation. These mitigation efforts shall be protected through use of conservation easement written to satisfy the US Army Corps of Engineers. Uses which may be allowable in the protected stream buffers include water dependent activities and greenway trails upon additional written approval of the Division of Water quality and the US Army Corps of Engineers. These provisions should be explicitly reflected in the conservation easements, or similar mechanisms, written to satisfy the USACE.

The Permittee shall provide stream restoration in accordance with the plan entitled 'Harpers Crossroads Stream Restoration Plan,' dated September 2005. The restoration site, which was authorized with a separate DA nationwide permit (USACE Action Id No. 200420489) has already been constructed. The as-built report dated June 12, 2006 states the total stream restoration generated by the project as 2,127 linear feet. Within 90 days of the USACE's determination that the Harpers Crossroads Stream Restoration Project has met the success criteria outlined in the 'Harpers Crossroads Stream Restoration Plan,' the permittee shall arrange for the transfer of the existing conservation easements to a third-party grantee, subject to approval by the USACE.

Type of Impact	Compensatory Mitigation Required	River and Sub-basin Number
Stream (perennial)	2,154 (linear feet)	Cape Fear/03030002

9. Stormwater Management Plan Implementation Procedures (No Further Approval Needed)

- The approved SMP must be constructed and operational before any permanent building or other structure is occupied at the site. If a development is phased, then the approved SMP for each future phase must be constructed and operational before any permanent building or other structure associated with that phase is occupied.
- The approved SMP as well as drainage patterns must be maintained in perpetuity.
- The SMP may not be modified without prior written authorization from the SMP approval authority. If the SMP falls under another state stormwater program, then a copy of the approval letter and the modified SMP must be submitted to the 401 Oversight/Express Unit prior to the commencement of the modifications.

10. Culvert Installation

All work in or adjacent to stream waters shall be conducted in a dry work area. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities manual (http://www.ncdot.org/doh/operations/BMP_manual/download/BMP_Manual.pdf)

such as sandbags, rock berms, cofferdams and other diversion structures shall be used to prevent excavation in flowing water.

Culverts required for this project shall be installed in such a manner that the original stream profiles are not altered. Existing stream dimensions (including the cross section dimensions, pattern, and longitudinal profile) must be maintained above and below locations of each culvert. Culverts shall be designed and installed to allow for aquatic life movement as well as to prevent head cutting of the streams. If any of the existing pipes are or become perched, the appropriate stream grade shall be re-established or, if the pipes installed in a perched manner, the pipes shall be removed and re-installed correctly.

Culvert(s) shall not be installed in such a manner that will cause aggradation or erosion of the stream up or down stream of the culvert(s). Existing stream dimensions (including the cross section dimensions, pattern and longitudinal profile) shall be maintained above and below locations of each culvert.

Placement of culverts and other structures in waters, streams, and wetlands must be placed below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other structures including temporary erosion control measures shall not be conducted in a manner that may result in disequilibrium of wetlands or streambeds or banks, adjacent to or upstream and down stream of the above structures. The applicant is required to provide evidence that the equilibrium shall be maintained if requested in writing by DWQ.

The establishment of native, woody vegetation and other soft stream bank stabilization techniques must be used where practicable instead of rip rap or other bank hardening methods. If rip-rap is necessary, it shall not be placed in the stream bed, unless specifically approved by the Division of Water Quality.

Installation of culverts in wetlands must ensure continuity of water movement and be designed to adequately accommodate high water or flood conditions.

Upon completion of the project, the Applicant shall complete and return the enclosed "Certificate of Completion" form to notify NCDWQ when all work included in the §401 Certification has been completed. The responsible party shall complete the attached form and return it to the 401/Wetlands Unit of the NC Division of Water Quality upon completion of the project. *Please send photographs upstream and downstream of each culvert site to document correct installation along with the Certificate of Completion form.*

11. Certificate of Completion

Upon completion of all work approved within the 401 Water Quality Certification or applicable Buffer Rules, and any subsequent modifications, the applicant is required to return the attached certificate of completion to the 401/Wetlands Unit, North Carolina Division of Water Quality, 1650 Mail Service Center, Raleigh, NC, 27699-1650.

Also, this approval to proceed with your proposed impacts or to conduct impacts to waters as depicted in your application shall expire upon expiration of the 404 or CAMA Permit.

August 31, 2009

If this Certification is unacceptable to you, you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, N.C. 27699-6714. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

This the 31st day of August 2009
DIVISION OF WATER QUALITY



Coleen Sullins

CHS/cbk/ijm

3567



DEPARTMENT OF THE ARMY
WILMINGTON DISTRICT, CORPS OF ENGINEERS
69 DARLINGTON AVENUE
WILMINGTON, NORTH CAROLINA 28403-1343

REPLY TO
ATTENTION OF

August 21, 2009

Regulatory Division

Action ID. 200121252

Mr. William S. Mumford
NNP – Briar Chapel, LLC
16 Windy Knoll Circle
Chapel Hill, North Carolina 27516

Dear Mr. Mumford:

Reference the Department of the Army (DA) permit issued on October 2, 2006, to Mitch Barron of Newland Communities for impacts associated with the Briar Chapel Development. Also reference the modification to this permit approved in December, 2007. This development is approximately 1,589 acres in size and is located west of US Highway 15-501, north of Andrew's Store Road (SR 1528), and south of Mann's Chapel Road (SR 1532), approximately 5 miles south of Chapel Hill, in Chatham County, North Carolina. Coordinates (in decimal degrees) for the site are 35.8251 ° North, 79.1059 ° West. The site contains several unnamed tributaries and adjacent wetlands of Pokeberry Creek and Wilkinson Creek, in the Cape Fear River Basin (8-Digit Cataloging Unit 03030002).

Permanent impacts authorized by this permit and the subsequent 2007 modification totaled 1,666 linear feet of stream channel and 0.4422 acre of wetland, and temporary impacts totaled 359 linear feet of stream channel and 0.156 acre of wetlands. Mitigation was implemented for the unavoidable impacts by: a) Payment into the North Carolina Ecosystem Enhancement Program for the restoration of 0.6655 acre of riparian wetlands; b) Restoration of 2,127 linear feet of stream channel at the Harpers Crossroads Mitigation Site; and c) On-site preservation of 59.3 acres of wetlands and 63,412 linear feet of stream channel.

Also reference your permit modification request received by the Corps on May 8, 2009. This modification was to address impact amounts and location changes associated with roadway crossings in and near the development. Also included within the requested modification were impacts associated with restoration to streams and wetlands as required to satisfy an existing on-site Clean Water Act violation. On May 22, 2009, a Public Notice was issued detailing this modification request which would bring total impacts associated with Briar Chapel to: 2,237 linear feet of permanent stream channel, 634 linear feet of temporary stream channel, 0.4374 acre of permanent wetland impact,

and 0.197 acres of temporary wetland impact. Please note the attached Tables 1, 2, and 3; originally created by your consultant S&EC, which describe the impact history by site number and amount. No additional mitigation was proposed due to the relatively large amount of preservation mitigation required within the original permit.

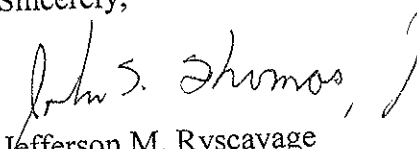
The Corps has completed the evaluation of your request and concurs with your request for a change in impacts associated with your referenced DA permit including the change to plans as requested. No additional mitigation is required for this modification.

Special condition 1 of your permit is hereby modified to read:

"All work authorized by this permit must be performed in strict compliance with the attached plans, Exhibit A, Exhibit E, and/or Exhibit F which are a part of this permit. These plans reflect the original proposal, Exhibit A; and the modifications as depicted within the January 26, and the revised June 7, 2007, proposals as shown in Exhibit E, and the modification request of May 8, 2009, as shown in Exhibit F. Only the attached modification plans reflect approved changes to the original plans, therefore any additional deviations from the original plans are not approved per this modification and any further modification to the plans must be approved by the US Army Corps of Engineers (USACE) prior to implementation. The temporary impacts as identified on Exhibit E shall be removed by May 1, 2008, or the project shall be considered non-compliant with this condition. In addition, the following time deadlines are hereby established for work considered authorized under this 2009 permit modification: all impacts, both temporary and permanent, as shown in the stream repair and stabilization document received with the modification application on May 8, 2009, must be completed prior to April 15, 2010; and all additional temporary impacts, not requested within the stream repair and stabilization document but requested and authorized under this 2009 modification, shall be removed within 30 days of the completion of each respective crossing. Proper documentation of permit compliance for this 2009 modification shall be submitted to the Corps of Engineers Regulatory Representative via email on or before April 15, 2010, or at the time of each temporary impact removal, respectively. "

Please note that all other permit conditions and exhibits remain in effect as written. Should you have questions, contact Mr. Monte Matthews, Raleigh Regulatory Field Office at telephone (919) 554-4884, Extension 30.

Sincerely,


for/ Jefferson M. Ryscavage
Colonel, U.S. Army
District Commander

Attachments

Copy Furnished (w/o attachment)

Ms. Cyndi Karoly
Division of Water Quality
North Carolina Department of Environment
and Natural Resources
2321 Crabtree Boulevard, Suite 250
Raleigh, NC 27604

Copy Furnished (w/attachment)

Ms. Nicole Thomson
Soil & Environmental Consultants
11010 Raven Ridge Road
Raleigh, NC 27614



Since 1979

THE JOHN R. McADAMS COMPANY, INC.

June 29, 2011

Lynn Richardson
Chatham County Planning
Post Office Box 54
Pittsboro, North Carolina 27313-0054

Re: **Briar Chapel Development
Subdivision Plat Submittal for Woodland Grove Lane
Chatham County, NC
NEW-09007**

Dear Ms. Richardson:

This letter is to provide information concerning **Total Cost of Improvements** as required for submission of Financial Guarantee of completion for the work related to the Referenced Plat.

1. Estimate of Total Cost of Improvements is \$891,000. As of this date, approximately 95.6% of the infrastructure improvements have been completed per the approved plan, and governing agency requirements.
2. The name of engineer preparing the estimate is Gregory P. Sallee, PE.
3. The license number of the Engineer preparing the estimate is NC PE #31557.
4. Date of Estimate - June 29th, 2011
5. The length of Time the Estimate is valid is equivalent to the completion date of Construction Contracted by the end of 2011.
6. The Description of Various improvements that this Estimate Covers is described as all improvements related to:
 - a. Public/Private roadway construction, clearing & grubbing, grading, erosion control, stormwater management, water distribution, paving, curb & gutter, striping, signage, sidewalk, seeding and final clean-up.
7. Improvements will be installed in accordance with NC DOT Roadway and Chatham County Water System Standards.
8. The undersigned certifies that the information provided herein is true and accurate to the best of his knowledge.

Research Triangle Park, NC

Post Office Box 14005
Research Triangle Park
North Carolina 27709
2905 Meridian Parkway
Durham, North Carolina 27713
800-733-5646
919-361-5000
919-361-2269 Fax

Charlotte, NC

6701 Carmel Road
Suite 205
Charlotte North Carolina 28226
800-733-5646
704-527-0200
704-527-2003 Fax

www.johnr-mc-adams.com

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THE JOHN R. McADAMS COMPANY, INC.

Ms. Lynn Richardson
June 29, 2011
Page Two

The amount of incomplete work is \$39,188.00, and represents the final lift of 1.5" S9.5B asphalt, calculated at 5.050sy, installed at a unit price of \$7.76/sy. Therefore, the amount of **the required bond will be \$54,863.20**. This bond amount includes the 40% increase as required by Chatham County.

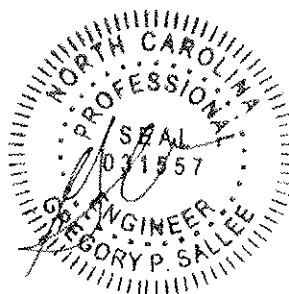
If you should have any questions, please do not hesitate to contact our office at (919) 361-5000.

Sincerely,

THE JOHN R. McADAMS COMPANY, INC.

Gregory P. Saltee, PE
Director
Construction Services

GPS/



Research Triangle Park, NC

Post Office Box 14605
Research Triangle Park
North Carolina 27709
2905 Meridian Parkway
Durham, North Carolina 27713
800-733-5646
919-361-5000
919-361-2268 Fax

Charlotte, NC

6701 Carvet Road
Suite 205
Charlotte North Carolina 28226
800-733-5646
704-527-0800
704-527-2003 Fax

www.jrmc.com

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THE JOHN R. McADAMS COMPANY, INC.

LETTER OF TRANSMITTAL

To: Lynn Richardson
Land Use Administrator/Subdivisions
80-A East Street
Pittsboro, NC 27312

Date: July 8, 2011

**** HAND DELIVER ****

Re: Joint Preliminary & Final Plat Submittal
Woodland Grove Lane

Job No.: NEW-11030

I am sending you the following item(s):

COPIES	DATE	NO.	DESCRIPTION
1	7/7/11	1 Page	Submittal Cover Letter
20	7/8/11	1 Sheet	ROW Dedication & Easement Dedication Plat-24" x 36
1	07/08/11	6 pages	Major Subdivision Application & Review Checklist
1		25 Pages	Supporting Docs (Permits, Financial Guarantee)
1	7/8/11	1	CD with digital copies of submittal documents

These are transmitted as checked below:

☐ As requested

☐ For your use

☒ For approval

☐

☐ For review and comment

☐

Remarks: Lynn

If you have any questions or need any additional information, please let me know.

Mike

Copy to: Lee Bowman
Bill Mumford, P.E.

Signed: Mike Sanchez
Mike Sanchez, PE, LEED AP
Land Development

FOR INTERNAL USE ONLY

☐ Copy Letter of Transmittal **Only** to File

☐ Copy **Entire** Document to File

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CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT
Division of Environmental Health
Soil Erosion and Sedimentation Control

7-24-2007

LETTER OF APPROVAL

NNP Briar Chapel, LLC
5850 Fayetteville Rd., Suite 201
Durham, NC 27713

RE: Project Name: Woods Charter School Road
Project Number: 2007-033
Acres approved: 2.56
Total Acres: 18.53
Submitted By: The John R. McAdams Company, Inc.
Date Received: 6-29-2007

Dear Sir or Madam:

This office has reviewed the subject erosion and sedimentation control plan. We find the plan to be acceptable and hereby issue this Letter of Approval. The enclosed Certificate of Approval must be posted at the job site. This plan approval shall expire two (2) years following the date of approval, if no land-disturbing activity has been undertaken.

Section 6 (I) of the Chatham County Sedimentation and Erosion Control Ordinance requires that a copy of the approved erosion control plan be on file at the job site. Also, this letter gives the notice required by G.S. 113A-61.1(a) of our right of periodic inspection to insure compliance with the approved plan.

North Carolina's Sedimentation Pollution Control Act is performance-oriented, requiring protection of existing natural resources and adjoining properties. If, following the commencement of this project, the erosion and sedimentation control plan is inadequate to meet the requirements of the Chatham County Sedimentation and Erosion Control Ordinance, this office may require revisions to the plan and implementation of the revisions to insure compliance with the Act.

Holly Coleman, M.S. R.S.
Public Health Director
80 East Street, PO Box 130, Pittsboro, NC 27312 Phone: 919-542-8208 Fax: 919-542-8288

Page 2 of 2

Acceptance and approval of this plan is conditioned upon your compliance with Federal and State water quality laws, regulations, and rules. In addition, local city or county ordinances or rules may also apply to this land-disturbing activity. This approval does not supersede any other permit or approval.

Please be aware that your project will be covered by the enclosed NPDES General Stormwater Permit NCGO1000 (Construction Activities). You should first become familiar with all of the requirements for compliance with the enclosed general permit.

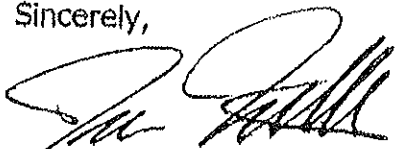
Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility Form, which you provided. You are requested to file an amended form if there is any change in the information included on the form. Please notify us when you would like to schedule a preconstruction conference. Notification shall be given at least 7 days prior to initiation of activity.

Your cooperation is appreciated.

*****The Land Disturbance Permit Fee of \$250 per disturbed acre must be submitted in order to receive a Land Disturbance Permit to begin construction. *****

******Temporary erosion & sedimentation control devices will be installed as per the approved plan for the Woods Charter School. Devices proposed for the permanent road construction under this approval must be coordinated with existing temp controls to not leave a gap in protection.**

Sincerely,



Jim Willis, CPESC
Chatham County Soil Erosion Control Officer

Enclosures: Certificate of Approval
NPDES Permit



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

July 3, 2008

DWQ EXP No. 05-0732v10
Chatham County

CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Woods Charter School
Attn: Clifton Webb
P. O. Box 5008
Chapel Hill, NC 27517

Subject Property: Woods Charter School

APPROVAL OF STORMWATER MANAGEMENT PLAN

Dear Mr. Webb:

The Division of Water Quality (DWQ) has reviewed the Stormwater Management Plan dated June 12, 2008 (Professional Engineer's seal), and subsequent revisions dated June 30, 2008 and July 2, 2008 prepared by your Engineer, Mr. Blair Pitman of Bobbitt Design-Build, Inc., for the subject project in Chatham County. This plan has been approved by the DWQ, and satisfies the stormwater conditions of the modified 401 Water Quality Certification issued on January 11, 2008 to Mr. Mitch Barron and Newland Communities. You are required to meet the following conditions:

1. The stormwater management system, which includes one wet pond and all associated appurtenances: forebay and inlet protection; main pond and vegetative shelf; two baffles; water quality outlet structure and level spreader system; high-flow bypass outlet structure; and pipe outlet protections, as approved by this office, and the drainage patterns depicted on the plan sheets, must be maintained *in perpetuity*. No changes to the structural stormwater practices shall be made without written authorization from the Division of Water Quality. All stormwater management facilities shall have maintenance access and drainage easement to allow for the ability to maintain the structures, and to perform corrective actions.
2. Notification of Construction: The applicant and/or authorized agent shall contact the DWQ Express Review Program in writing at the letterhead address within ten (10) days of the commencement of construction.

This letter completes the review of the Division of Water Quality under Section 401 of the Clean Water Act. If you have any questions, please contact Joseph Gyamfi or Lia M. Gilleski at 919-733-1786.

July 3, 2008

Sincerely,

for Lia Myott Gilleski

Cyndi Karoly, Supervisor

401 Oversight/Express Review Permitting Unit

CBK/jg

cc: James Shem, USACE Raleigh Regulatory Field Office

Lauren Witherspoon, DWQ Raleigh Regional Office

File Copy

Central Files

Blair Pittman, Bobbitt Design-Build, Inc., 600 Germantown Road, Raleigh, NC 27607



NO DRINK PUBLIC WATER SUPPLY
DIVISION OF ENVIRONMENTAL HEALTH
Terry L. Pierce, Director

919 715 4374 F.01
Michael F. Easley, Governor

Public Water Supply Section
Jessica G. Miles, Section Chief

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

August 13, 2007

CHARLIE HORNE
12 EAST STREET,
PITTSBORO, NC 27312

Re: **Authorization to Construct**
WOODS CHARTER SCHOOL ROAD
CHATHAM CO WATER SYSTEM
CHATHAM County NC0319126

Authorization to Construct (This is not a Final Approval)

Dear Applicant:

This letter is to confirm that a complete Engineer's Report and a Water System Management Plan have been received, and that engineering plans and specifications have been approved by the Department for **WOODS CHARTER SCHOOL ROAD, DEH Serial No. 07-01123.**

The Authorization to Construct is valid for 24 months from the date of this letter. Authorization to Construct may be extended if the Rules Governing Public Water Supplies and site conditions have not changed (see Rule .0305). The Authorization to Construct and the engineering plans and specifications approval letter shall be posted at the primary entrance of the job site before and during construction.

Upon completion of the construction or modification, and **prior to placing the new construction or modification into service**, the applicant must submit an Engineer's Certification and Applicant Certification directly to HENRI OU of this office.

- **Engineer Certification:** in accordance with Rule .0303 (a), the applicant shall submit a certification statement signed and sealed by a registered professional engineer stating that construction was completed in accordance with approved engineering plans and specifications, including any provisions stipulated in the Department's engineering plan and specification approval letter.
- **Applicant Certification:** in accordance with Rule .0303 (c), the applicant shall submit a signed certification statement indicating that the requirements for an Operation and Maintenance Plan and Emergency Management Plan have been satisfied in accordance with Rule .0307 (d) and (e) and that the system has a certified operator in accordance with Rule .1300. The "Applicant Certification" form is available at <http://www.deh.enr.state.nc.us/pws/> (click on WSMP Forms, under Plan Review heading).

If this Authorization to Construct is for a new public water system, the owner must submit a completed **application for an Operating Permit** and the appropriate fee. For a copy of the application for an Operating Permit please call (919) 715-3214.

Once the certifications and permit application and fee, (if applicable), are received and determined adequate, the Department will issue a Final Approval letter to the applicant. In accordance with Rule .0309 (a), **no portion of this project shall be placed into service until the Department has issued Final Approval.**

If we can be of further assistance, please call (919) 733-2321.

Sincerely,

Tony C. Chen, P.E.
Technical Services Branch
Public Water Supply Section

TCC:HSO

cc: MICHAEL L. DOUGLAS, P.E., Regional Engineer
THE JOHN R MCADAMS COMPANY INC-DURHAM

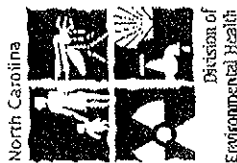
1634 Mail Service Center, Raleigh, North Carolina 27699-1634
Telephone 919-733-2321 ▲ Fax 919-715-4374 ▲ Lab Form Fax 919-715-6637
<http://ncdrinkingwater.state.nc.us/>

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One
North Carolina
Naturally



State of North Carolina
Department of Environment and Natural Resources
Division of Environmental Health



Public Water System Authorization to Construct

Public Water System Name
and PWSID No. (if available):

CHATHAM CO WATER SYSTEM
NC0319126

Project Name:

WOODS CHARTER SCHOOL ROAD

DEH Serial No.

07-01123

Issue Date:

8/13/2007

Expiration Date:

24 months after Issue Date

In accordance with NCAC 18C .0305, this Authorization to Construct must be posted for inspection at the primary entrance to the job site during construction.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MICHAEL R. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

July 14, 2008

Chatham County

County Driveway Permit File Number 19-782
(Woodland Grove Charter School)

Subject: Commercial Driveway Permit Application with Entrance onto SR 1528

Newland Communities
c/o Jeff Scouten
16 Windy Knoll Circle
Chapel Hill, N.C. 27516

Dear Mr. Scouten:

Personnel assigned to this office have conducted a review of the permit application & plans and approval is granted subject to the following stipulations:

1. The entrance onto SR 1528 is to be constructed in accordance with the attached plan sheets.
2. The entrance onto SR 1528 is to be paved for at least 50' along the centerline of the entrance.
3. The entrance onto SR 1528 shall require radii on each side of the driveway as shown on the attached drawing.
4. No parking or outdoor advertising (signs) shall be allowed inside the right of way of SR 1528.
5. Any areas inside the right of way disturbed during construction shall be seeded and mulched immediately upon completion of construction.
6. Upon completion of construction, final approval by the District Engineer is required prior to opening the access connection for public use (page 9 Driveway Manual).
7. The Owner/Developer & Engineer is advised that any changes to the approved site plan or construction of any structures which will add additional traffic to the site will require issuance of a new driveway permit and encroachment by NC DOT. This permit will be revisited once the roadway beyond Woodland Grove Charter school is scheduled to be constructed.

Attached to this correspondence please find an approved copy of TEB Form 65-04 (Driveway Permit Application - N. C. Department of Transportation). Upon completion of the driveway entrances construction please notify the Chatham County Maintenance Department (Phone 919-742-3431) so a final inspection of the entrances can be made.

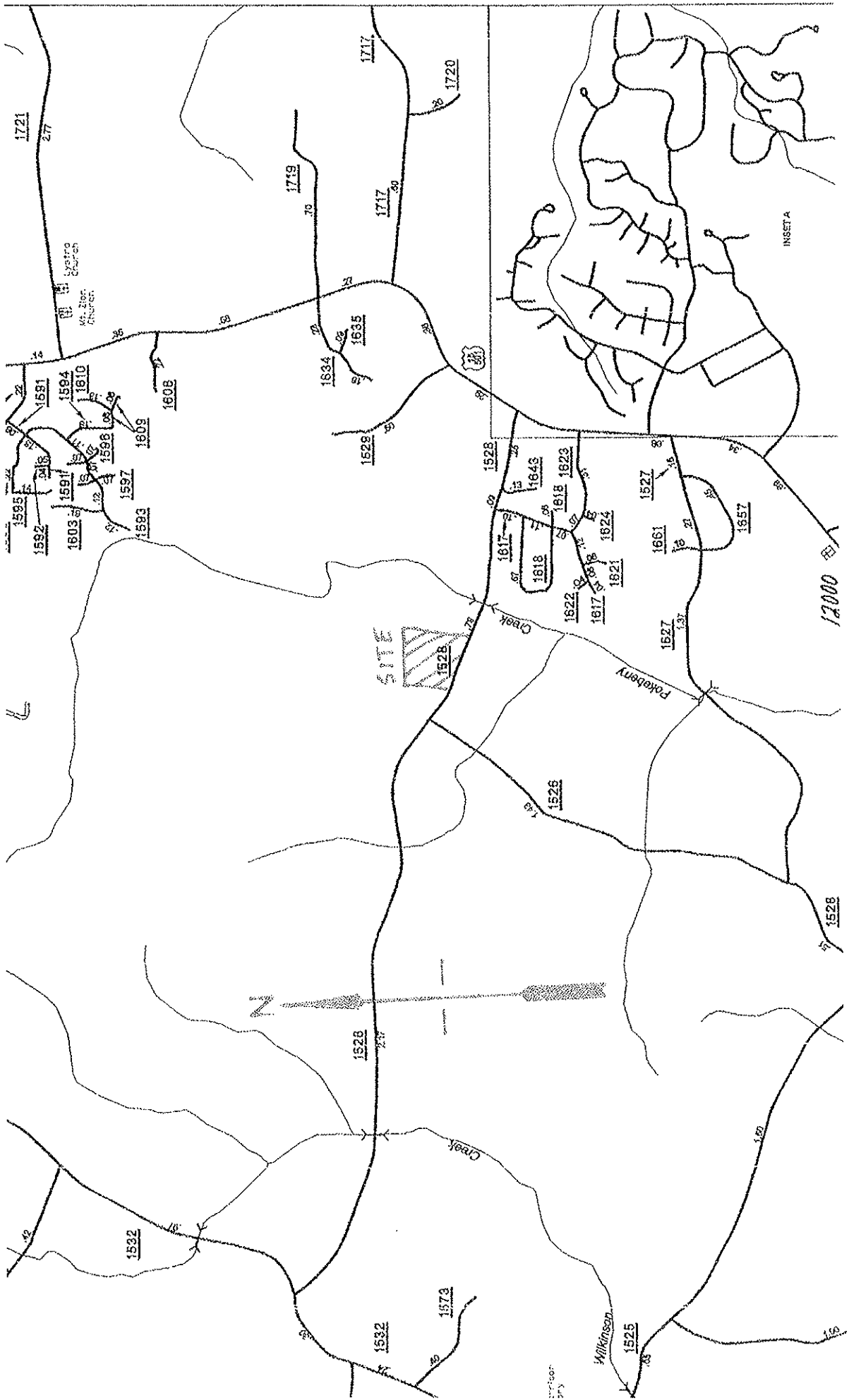
Yours very truly,

Reuben Blakley
R. E. Blakley, P.E.
District Engineer

RLB/jeb:

Attachments

Cc: Timothy Johnson, P.E., Division Engineer
Benny Sloan, County Maintenance Engineer
Charlie Horne, Chatham County
File



APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION STREET AND DRIVEWAY ACCESS PERMIT APPLICATION
Driveway Permit No. <u>19-782</u>	Date of Application <u>7-14-08</u>	
County: <u>Chatham</u>		
Development Name: <u>Woods Charter School</u>		

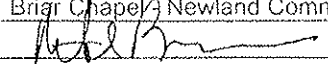
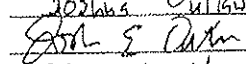
LOCATION OF PROPERTY:		
Route/Road:	<u>SR 1528 (Andrews Store Road)</u>	
Exact Distance <u>935</u>	<input type="checkbox"/> Miles	<input checked="" type="checkbox"/> Feet
	<input type="checkbox"/> N	<input type="checkbox"/> S <input checked="" type="checkbox"/> E <input type="checkbox"/> W
From the Intersection of Route No. <u>SR 1528</u>	and Route No. <u>SR 1528</u>	Toward <u>US Hwy 15-501</u>
Property Will Be Used For: <input type="checkbox"/> Residential /Subdivision <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Educational Facilities <input type="checkbox"/> TND <input type="checkbox"/> Emergency Services <input type="checkbox"/> Other		
Property: <input type="checkbox"/> is <input checked="" type="checkbox"/> is not within <u>Pittsboro</u> City Zoning Area.		

AGREEMENT

- I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location.
- I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation.
- I agree that no signs or objects will be placed on or over the public right-of-way other than those approved by NCDOT.
- I agree that the driveway(s) or street(s) will be constructed as shown on the attached plans.
- I agree that that driveway(s) or street(s) as used in this agreement include any approach tapers, storage lanes or speed change lanes as deemed necessary.
- I agree that if any future improvements to the roadway become necessary, the portion of driveway(s) or street(s) located on public right-of-way will be considered the property of the North Carolina Department of Transportation, and I will not be entitled to reimbursement or have any claim for present expenditures for driveway or street construction.
- I agree that this permit becomes void if construction of driveway(s) or street(s) is not completed within the time specified by the "Policy on Street and Driveway Access to North Carolina Highways".
- I agree to pay a \$50 construction inspection fee. Make checks payable to NCDOT. This fee will be reimbursed if application is denied.
- I agree to construct and maintain the driveway(s) or street(s) in a safe manner so as not to interfere with or endanger the public travel.
- I agree to provide during construction proper signs, signal lights, flaggers and other warning devices for the protection of traffic in conformance with the current "Manual on Uniform Traffic Control Devices for Streets and Highways" and Amendments or Supplements thereto. Information as to the above rules and regulations may be obtained from the District Engineer.
- I agree to indemnify and save harmless the North Carolina Department of Transportation from all damages and claims for damage that may arise by reason of this construction.
- I agree that the North Carolina Department of Transportation will assume no responsibility for any damages that may be caused to such facilities, within the highway right-of-way limits, in carrying out its construction.
- I agree to provide a Performance and Indemnity Bond in the amount specified by the Division of Highways for any construction proposed on the State Highway system.
- The granting of this permit is subject to the regulatory powers of the NC Department of Transportation as provided by law and as set forth in the N.C. Policy on Driveways and shall not be construed as a contract access point.
- I AGREE TO NOTIFY THE DISTRICT ENGINEER WHEN THE PROPOSED WORK BEGINS AND WHEN IT IS COMPLETED.**

Received
JUL 16 2008
DEPT. OF TRANSPORTATION

SIGNATURES OF APPLICANT

	PROPERTY OWNER (APPLICANT)		WITNESS
COMPANY	Brig Chapel / Newland Communities	NAME	Joshua Outlaw
SIGNATURE		SIGNATURE	
ADDRESS	16 Windy Knoll Circle	ADDRESS	2505 Mercedes Parkway
	Chapel Hill, NC 27516 Phone No. 910-442-2856		Durham, NC 27713

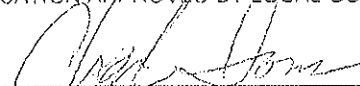
	AUTHORIZED AGENT		WITNESS
COMPANY		NAME	
SIGNATURE		SIGNATURE	
ADDRESS		ADDRESS	
	Phone No.		

APPROVALS

APPLICATION RECEIVED BY DISTRICT ENGINEER

	7/16/2008
SIGNATURE	DATE

APPLICATION APPROVED BY LOCAL GOVERNMENTAL AUTHORITY (when required)

	County Manager	7/15/08
SIGNATURE	TITLE	DATE

APPLICATION APPROVED BY DISTRICT ENGINEER

	7/16/2008
SIGNATURE	DATE

INSPECTION BY NCDOT

SIGNATURE	TITLE	DATE
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COMMENTS:



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

JUL 22 2008

NEW-05000

M. Sanchez, V. White

July 14, 2008

Chatham County

Subject: Subdivision - Final Plan Review - Woodland Grove Lane off of
SR 1528 in the Briar Chapel Subdivision

The John R. McAdams Co.
c/o Mike Sanchez, P.E.
P.O. Box 14005
Research Triangle Park, NC 27709

Dear Mr. Sanchez:

The N. C. Department of Transportation, Division of Highways has reviewed the construction plans signed and sealed by Mr. Keith Fenn, P.E. on June 19, 2008. These plans cover sta. 10+00 to sta. 22+14 on Woodland Grove Lane as submitted to this office and approval is granted subject to the following stipulations and recommendations:

1. All Construction is to be in accordance with the details as shown on the plans.
2. A Driveway Permit 19-782 has been issued with this package.
3. The entire 50' right of way is to be cleared and grubbed throughout the whole phase of the project. Please be aware that the areas within the sight distance quadrants are to be treated as right of way.
4. All soil areas within the proposed right of way and any other soil areas disturbed during construction shall be seeded and mulched immediately upon completion of roadway construction. The seeding shall be done as outlined in the seeding specification attachment.
5. The crossline drainage is approved as proposed on the construction plans. If, however field conditions dictate any changes, these shall be made upon approval by NCDOT. If any of the property owners desire to pipe their ditches within the proposed NCDOT right of way, please advise them that this work should conform to NCDOT specifications for this type of work (see attached). If any ditches are piped and not satisfactorily completed to NCDOT specifications, this could result in the road not being accepted for addition to the state maintained system of roads. Any ditches piped or other encroachment prior to addition to the state maintained

system are subject to an encroachment agreement, as are utility companies, when the road is added.

6. The typicals as shown in the plans, are approved.
7. The Division of Highways will only allow mailboxes, with non-rigid type post, such as 4" x 4" wooden or small diameter metal type on new additions. Brick columns or mailboxes on rigid stands such as block, stone or any other type deemed to be a traffic hazard will not be allowed within the right of way. This policy applies to all roads being considered for addition to the State Maintained System.
8. An erosion control plan shall require approval from Chatham County. The developer should forward this plan to Mr. Jim Willis, Erosion and Sediment Control Officer, 80 East, P.O. Box 130, Pittsboro, N.C. 27312, phone (919) 545-8343 for his review and approval.
9. As this subdivision is proposed to be public and is likely to be requested to be added to the state maintained system of roads, the developer will be responsible for providing a PE Certification, (See Attached) and testing results for base and asphalt density stating that the streets have been built in accordance with the most current "Subdivision Roads: Minimum Construction Standards" manual and with the attached approved plans. Please be advised that this PE Certification does not approve the road for addition to the State Highway System for maintenance. When the proper home density is achieved and roads have been satisfactorily maintained, the developer or property owners must submit Form SR-1, Petition for Road Addition (copy attached to this correspondence), and four (4) copies of the recorded plat to request that the road or roads be added to the State Highway system. Any maintenance problems found when the road is requested to be added must be repaired by the developer prior to the road becoming state maintained. As stated in GS 136-102.6, final acceptance by the Division of Highways of the public streets and placing them on the State highway system for maintenance shall be conclusive proof that the streets have been constructed according to the minimum standards of the Board of Transportation.
10. The developer shall comply with all applicable local, state, and federal environmental regulations, and shall obtain all necessary local, state, and federal environmental permits, including, but not limited to, those related to sediment control, stormwater, wetlands, streams, endangered species, and historical sites.
11. A properly completed Verification of Compliance with the Department of Environment and Natural Resources (DENR)(page 35, attached) must be submitted prior to the road(s) being considered for addition to the NCDOT System.
12. In preparing the final plat for certification by this office and subsequent recording, the following information will be incorporated:
 - A. The sight distance quadrants at the intersections shall be shown either as a public easement or as the property line.
 - B. Public easements for drainage throughout the development.
 - C. All roads shall be shown as public and the right of way width shown.

13. If the plans of this subdivision change in a way that would cause a change in the classification of these roads from Local Residential to Residential Collector the developer will be responsible for upgrading roads to meet Residential Collector standards prior to addition the state maintenance system.
14. This approval does not approve the utilities within this subdivision. Any utilities shall be submitted for approval to this office via a properly executed Encroachment Agreement to be approved at the time the roads within the subdivision are petitioned to be added to the state system for maintenance. Please note that water valves should be located a minimum of 6' from edge of pavement, fire hydrants should be behind the right of way line and all service taps should be installed prior to paving.
15. The traffic operations of the school will be reviewed when Woodland Grove Lane is petitioned for addition to the State Highway System for maintenance. If operational deficiencies are noticed at this time corrective actions will be required prior to addition to the State Highway System for maintenance.

If you have any further questions regarding this matter, please do not hesitate to call this office at (336) 629-1423.

Yours truly,



Reuben Blakley, PE
District Engineer

Attachments

cc: Tim Johnson, P.E., Division Engineer
B.F. Sloan, County Maintenance Engineer
Lynn Richardson, Chatham County Planning
File

Jason Sullivan

From: Denise Suits [denise.suits@chathamnc.org]
Sent: Thursday, July 07, 2011 10:10 AM
To: Sanchez, Mike
Subject: RE: Street Name Confirmation - Woodland Grove Lane

Mike,

Woodland Grove Lane is an approved road name and is in the Chatham County addressing system. If you have any other questions please feel free to contact us.

Thanks,
Denise Suits

Denise Suits
Chatham County Emergency Operations
Administrative Support
919-545-8163

From: Sanchez, Mike [<mailto:sanchez@johnrmcadams.com>]
Sent: Thursday, July 07, 2011 8:59 AM
To: Denise Suits
Subject: FW: Street Name Confirmation - Woodland Grove Lane

Denise – below is the email that I sent to Lesa a little earlier today. Thanks for your help with this.

Mike

Michael J.E. Sanchez, P.E., LEED®AP
Land Development

Office: 919-361-5000 x293
Cell: 919-815-4368
Toll Free: 800-733-5646

From: Sanchez, Mike
Sent: Thursday, July 07, 2011 8:52 AM
To: Lesa Chavis
Subject: Street Name Confirmation - Woodland Grove Lane

Lesa

In follow-up to my voice mail message to you this morning, I am trying to get confirmation for the Woodland Grove Lane street name that fronts the Woods Charter School adjacent to Briar Chapel development. Tomorrow, we are submitting a right-of-way dedication plat for Woodland Grove Lane and the County needs us to include verification of the street in the plat submittal package. Do you have some type of verification that you can send me for that street name?

Thanks
Mike

Michael J.E. Sanchez, P.E., LEED®AP
Land Development

Office: 919-361-5922 x293

Cell: 919-815-4368

Toll Free: 800-733-5646



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