



Michael F. Easley, Governor  
William G. Ross Jr., Secretary  
North Carolina Department of Environment and Natural Resources  
Alan W. Klimek, P.E., Director  
Division of Water Quality

July 27, 2005

W. Joe Brinn, Jr., Vice President  
Governors Club Development Corporation  
PO Box X  
Hot Springs, Virginia 24445

Subject: Permit No. WQ0029117  
Governors Village Phase 5  
Wastewater Collection System Extension  
Chatham County

Dear Mr. Brinn:

In accordance with your permit application received July 21, 2005, we are forwarding herewith Permit No. WQ0029117, dated July 27, 2005, to the Governors Club Development Corporation for the construction and operation of the subject wastewater collection system extension. This permit shall be effective from the date of issuance until rescinded and shall be subject to the conditions and limitations as specified therein. This cover letter shall be considered a part of this permit and is therefore incorporated therein by reference.

Please pay particular attention to Permit Condition 3 which requires that the wastewater collection facilities be properly operated and maintained in accordance with 15A NCAC 2H .0227 or any individual system-wide collection system permit issued to the Permittee.

Permitting of this project does not constitute an acceptance of any part of the project that does not meet 15A NCAC 2H .0200; the Division of Water Quality's (Division) Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; and the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable, unless specifically mentioned herein. Division approval is based on acceptance of the certification provided by a North Carolina-licensed Professional Engineer in the application. It shall be the Permittee's responsibility to ensure that the as-constructed project meets the appropriate design criteria and rules. Failure to comply may result in penalties in accordance with North Carolina General Statute §143-215.6A through §143-215.6C, construction of additional or replacement wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board.

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In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules, and Regulations, permission is hereby granted to the Governors Club Development Corporation for the construction and operation of

- approximately 1,795 linear feet of 8-inch gravity sewer, and
- approximately 1,325 lineal feet of 10-inch gravity sewer

to serve 49 single family 3 bedroom residences as part of the Governors Village Phase 5 project, and the discharge of 17,640 gallons per day of collected domestic wastewater into the Governors Club existing sewerage system, pursuant to the application received July 21, 2005, and in conformity with 15A NCAC 2H .0200; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable; and other supporting data subsequently filed and approved by the Department of Environment and Natural Resources and considered a part of this permit,

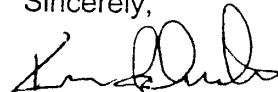
The sewage and wastewater collected by this system shall be treated in the Carolina Meadows Wastewater Treatment Facility (Permit No. NC0056413) prior to being discharged into the receiving stream. This permit shall become voidable unless the agreement between Governors Club Development Corporation and Carolina Meadows for the collection and final treatment of wastewater is in full force and effect.

The Operational Agreement between the Permittee and the Environmental Management Commission is incorporated herein by reference and shall be a condition of this permit. Noncompliance with the terms of the Operational Agreement shall subject the Permittee to all sanctions provided by North Carolina General Statutes §143-215.6A to §143-215.6C for violation of or failure to act in accordance with the terms and conditions of this permit.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within 30 days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of North Carolina General Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made, this permit shall be final and binding.

If you need additional information concerning this matter, please contact Barry Herzberg at (919) 571-4700 extension 238.

Sincerely,



for Alan W. Klimek, P.E.

cc: Chatham County Health Department  
Raleigh Regional Office, SWP  
Mark Ashness, PE, CE Group, Inc., 1051 Pemberton Hill Road Suite 201, Apex, NC 27502  
Carolina Meadows, 100 Carolina Meadows, Chapel Hill, NC 27517-8505  
Central Files  
Marie Doklovic, PERCS Unit

NORTH CAROLINA  
ENVIRONMENTAL MANAGEMENT COMMISSION  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
RALEIGH  
WASTEWATER COLLECTION SYSTEM EXTENSION PERMIT

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This permit shall be effective from the date of issuance until rescinded and shall be subject to the following specified conditions and limitations:

1. This permit shall become voidable unless the wastewater collection facilities are constructed in accordance with the conditions of this permit; 15A NCAC 2H .0200; the Division of Water Quality's (Division) Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable; and other supporting materials unless specifically mentioned herein.
2. This permit shall be effective only with respect to the nature and volume of wastes described in the application and other supporting data.
3. The wastewater collection facilities shall be properly maintained and operated at all times. The Permittee shall maintain compliance with an individual system-wide collection system permit for the operation and maintenance of these facilities as required by 15A NCAC 2H .0227. If an individual permit is not required, the following performance criteria shall be met as provided in 15A NCAC 2H .0227:
  - a. The sewer system shall be effectively maintained and operated at all times to prevent discharge to land or surface waters, and any contravention of the groundwater standards in 15A NCAC 2L .0200 or the surface water standards in 15A NCAC 2B .0200.
  - b. A map of the sewer system shall be developed and shall be actively maintained.
  - c. An operation and maintenance plan shall be developed and implemented.
  - d. Pump stations that are not connected to a telemetry system shall be inspected every day (i.e. 365 days per year). Pump stations that are connected to a telemetry system shall be inspected at least once per week.
  - e. High-priority sewer lines shall be inspected at least once per every six-month period of time.
  - f. A general observation of the entire sewer system shall be conducted at least once per year.
  - g. Inspection and maintenance records shall be maintained for a period of at least three years.
  - h. Overflows and bypasses shall be reported to the appropriate Division regional office in accordance with 15A NCAC 2B .0506(a), and public notice shall be provided as required by North Carolina General Statute §143-215.1C.
4. **This permit shall not be transferable.** In the event there is a desire for the wastewater collection facilities to change ownership, or there is a name change of the Permittee, a formal permit request shall be submitted to the Division accompanied by documentation from the parties involved, and other supporting materials as may be appropriate. The approval of this request shall be considered on its merits and may or may not be approved.

5. Construction of the gravity sewers, pump stations, and force mains shall be scheduled so as not to interrupt service by the existing utilities nor result in an overflow or bypass discharge of wastewater to the surface waters of the State.
6. Per 15A NCAC 2H .0220, upon completion of construction and **prior to operation** of these permitted facilities, the completed Engineering Certification form attached to this permit shall be submitted with the required supporting documents to the address provided on the form. A complete certification is one where the form is fully executed and the supporting documents are provided as applicable.
7. A copy of the construction record drawings shall be maintained on file by the Permittee for the life of the wastewater collection facilities.
8. Failure to abide by the conditions and limitations contained in this permit; 15A NCAC 2H .0200; the Division's Gravity Sewer Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Station and Force Mains adopted June 1, 2000 as applicable; and other supporting materials may subject the Permittee to an enforcement action by the Division, in accordance with North Carolina General Statutes §143-215.6A through §143-215.6C.
9. In the event that the wastewater collection facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall take immediate corrective action, including those as may be required by this Division, such as the construction of additional or replacement facilities.
10. The issuance of this permit shall not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other government agencies (local, state and federal) which have jurisdiction, including but not limited to applicable river buffer rules in 15A NCAC 2B .0200, erosion and sedimentation control requirements in 15A NCAC Ch. 4 and under the Division's General Permit NCG010000, and any requirements pertaining to wetlands under 15A NCAC 2B .0200 and 15A NCAC 2H .0500.

**11. Noncompliance Notification:**

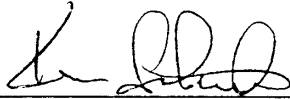
The Permittee shall verbally report to a water quality staff member at the Raleigh Regional Office, telephone number 919-571-4700, as soon as possible, but in no case more than 24 hours or on the next working day, following the occurrence or first knowledge of the occurrence of either of the following:

- a. Any process unit failure, due to known or unknown reasons, that renders the facility incapable of adequate wastewater transport, such as mechanical or electrical failures of pumps, line blockage or breakage, etc.; or
- b. Any failure of a pumping station or sewer line resulting in a by-pass directly to receiving waters without treatment of all or any portion of the influent to such station or facility.

Initial voice mail messages or faxed information shall not be considered as the initial verbal report. Overflows and spills occurring outside normal business hours may also be reported to the Division of Emergency Management at telephone number (800) 858-0368 or (919) 733-3300. Persons reporting any of the above occurrences shall file a spill report by completing Part I of Form CS-SSO (or the most current Division approved form), within five days following first knowledge of the occurrence. This report shall outline the actions taken or proposed to ensure that the problem does not recur. Per Condition I(2), Part II of Form CS-SSO (or the most current Division approved form) can also be completed to show that the SSO was beyond control.

Permit issued this the 27<sup>th</sup> Day of July, 2005.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION



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for Alan W. Klimek, P.E., Director  
Division of Water Quality  
By Authority of the Environmental Management Commission

**Permit Number WQ0029117**  
**Governors Club Development Corporation**  
**Governors Village Phase 5**

# FAST TRACK ENGINEERING CERTIFICATION

Permit No. WQ0029117

Governors Club Development Corporation

Governors Village Phase 5

July 27, 2005

Complete and submit this form to the permit issuing regional office with the following:

- One copy of the project record drawings (plan & profile views of sewer lines) of the wastewater collection system extension
- supporting design calculations (selected pumps, system curve, operating point, available storage if portable generator(s) or storage greater than longest past three year outage reliability option selected) for any pump stations permitted as part of this project
- Changes to the project should be clearly identified on the record drawings or in written summary form. Permit modifications are required for any changes resulting in non-compliance with this permit, regulations or minimum design criteria.

This project shall not be considered complete nor allowed to operate until this Engineer's Certification and all required supporting documentation have been received by the Division. **Therefore, it is highly recommended that this certification be sent in a manner that provides proof of receipt by the Division.**

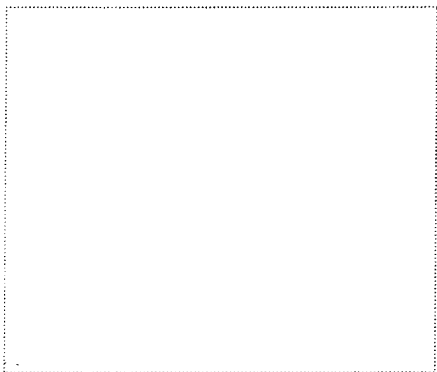
## ENGINEER'S CERTIFICATION

☐ Partial

☐ Final

I, \_\_\_\_\_, as a duly registered Professional Engineer in the State of North Carolina, having been authorized to observe (☐ periodically, ☐ weekly, ☐ full time) the construction of the subject project for the Permittee hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance of this permit; 15A NCAC 2H .0200; the Division of Water Quality's (Division) Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable; and other supporting materials.

North Carolina Professional Engineer's  
seal, signature, and date:



**SEND THIS FORM & SUPPORTING DOCUMENTATION  
WITH REQUIRED ATTACHMENTS TO THE FOLLOWING ADDRESS**

**RALEIGH REGIONAL OFFICE  
1628 MAIL SERVICE CENTER  
RALEIGH NC 27699-1628**

The Permittee is responsible for tracking all partial certifications up until a final certification is received. Any wastewater flow made tributary to the wastewater collection system extension prior to completion of this Engineer's Certification shall be considered a violation of the permit and shall subject the Permittee to appropriate enforcement actions.

DEVELOPER'S OPERATIONAL AGREEMENT

This AGREEMENT made pursuant to G.S. 143-215.1 (d1) and entered into this 28<sup>th</sup> day of July 2005, by and between the North Carolina Environmental Management Commission, an agency of the State of North Carolina, hereinafter known as the COMMISSION; and GAX CLUB DEVEL. CORP., a corporation/general partnership registered/licensed to do business in the State of North Carolina, hereinafter known as the DEVELOPER.

## WITNESSETH:

1. The DEVELOPER is the owner of the certain lands lying in Chatham County, upon which it is erecting and will erect dwelling units and other improvements, said development to be known as Governors Village, Sewer Extension to Serve (3) Single Family Lots (hereinafter the Development).
2. The DEVELOPER desires, to construct a wastewater collection system with pumps, wastewater treatment works, and/or disposal facilities (hereinafter Disposal System) to provide sanitary sewage disposal to serve the Development on said lands.
3. The DEVELOPER has applied to the COMMISSION for the issuance of a permit pursuant to G.S. 143-215.1 to construct, maintain, and operate the Disposal System.
4. The DEVELOPER has created or shall create unit ownership in said dwellings units, other improvements and lands through filing of a Declaration of Unit Ownership (hereinafter Declaration), pursuant to Chapter 47C or 47F of the North Carolina General Statutes.
5. The DEVELOPER has caused to be formed or will cause to be formed at the time of filing of the Declaration, the Governors Village Home Owners Assoc. (hereinafter Association), a non-profit corporation organized and existing under and by the virtue of the laws of the State of North Carolina, for the purpose, among others, of handling the property, affairs and business of the Development; of operating, maintaining, re-constructing and repairing the common elements of the lands and improvements subject to unit ownership, including the Disposal System; and of collecting dues and assessments to provide funds for such operation, maintenance, re-construction and repair.
6. The COMMISSION desires to assure that the Disposal System of the Development is properly constructed, maintained and operated in accordance with law and permit provisions in order to protect the quality of the waters of the State and the public interest therein.


NOW, THEREFORE, in consideration of the promises and the benefits to be derived by each of the parties hereto, the COMMISSION and DEVELOPER do hereby mutually agree as follows:

1. The DEVELOPER shall construct the Disposal System in accordance with the permit and plans and specifications hereafter issued and approved by the COMMISSION, and shall thereafter properly operate and maintain such systems and facilities in accordance with applicable permit provisions and law.
2. The DEVELOPER shall not transfer ownership and/or control of the Disposal System to the Association until construction has been completed in accordance with the permit and approved plans, and the staff of the Division of Water Quality has inspected and approved of the facilities. In order to change the name of the permit holder, the DEVELOPER must request that the permit be reissued to the Association. The request must include a copy of the Association Bylaws and Declaration.
3. The DEVELOPER shall not transfer, convey, assign or otherwise relinquish or release its responsibility for the operation and maintenance of its Disposal System until a permit has been reissued to the DEVELOPER's successor.

4. The DEVELOPER shall provide in the Declaration and Association Bylaws that the Disposal System and appurtenances thereto are part of the common elements and shall thereafter be properly maintained and operated in conformity with law and the provisions of the permit for construction, operation, repair, and maintenance of the system and facilities. The Declaration and Bylaws shall identify the entire wastewater treatment, collection and disposal system as a common element which will receive the highest priority for expenditures by the Association except for Federal, State, and local taxes and insurance.
5. The DEVELOPER shall provide in the Declaration and Association Bylaws that the Disposal System will be maintained out of the common expenses. In order to assure that there shall be funds readily available to repair, maintain or construct the Disposal System, beyond the routine operation and maintenance expenses, the Declaration and Association Bylaws shall provide that a fund be created out of the common expenses. Such fund shall be separate from the routine maintenance funds allocated for the facility and shall be part of the yearly budget.
6. In the event the common expense allocation and separate fund are not adequate for the construction, repair, and maintenance of the Disposal System, the Declaration and Association Bylaws shall provide for special assessments to cover such necessary costs. There shall be no limit on the amount of such assessments, and the Declaration and Bylaws shall provide that such special assessments can be made as necessary at any time.
7. If a wastewater collection system and wastewater treatment and/or disposal facility provided by any city, town, village, county, water and sewer authorities, or other unit of government shall hereinafter become available to serve the Development, the DEVELOPER shall take such action as is necessary to cause the existing and future wastewater of the Development to be accepted and discharged into said governmental system, and shall convey or transfer as much of the Disposal System and such necessary easements as the governmental unit may require as condition of accepting the Development's wastewater.
8. Recognizing that it would be contrary to the public interest and to the public health, safety and welfare for the Association to enter into voluntary dissolution without having made adequate provision for the continued proper maintenance, repair and operation of its Disposal System, the DEVELOPER shall provide in the Association Bylaws that the Association shall not enter into voluntary dissolution without first having transferred its said system and facilities to some person, corporation or other entity acceptable to and approved by the COMMISSION by the issuance of a permit.
9. The agreements set forth in numbered paragraphs 1, 2, 3, 4, 5, 6, 7, and 8 above shall be conditions of any permit issued by the COMMISSION to the DEVELOPER for the construction, maintenance, repair and operation of the Disposal System.
10. A copy of this agreement shall be filed at the Register of Deeds in the County(ies) where the Declaration is filed and in the offices of the Secretary of State of North Carolina with the Articles of Incorporation of the Association.

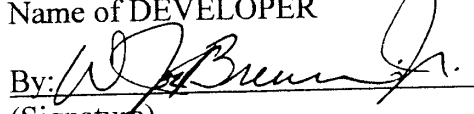
IN WITNESS WHEREOF, this agreement was executed in duplicate originals by the duly authorized representative of the parties hereto on the day and year written as indicated by each of the parties named below:

FOR THE ENVIRONMENTAL  
MANAGEMENT COMMISSION

  
for Alan W. Klimek, P.E., Director  
Division of Water Quality

\_\_\_\_\_  
(Date)

COCK CLUB DEV CORP.  
Name of DEVELOPER

By:   
(Signature)

W. Joe Brinn, Jr. Vice President  
Print Name and Title

7/20/05  
(Date)





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

MICHAEL F. EASLEY.  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

September 30, 2005

Chatham County

**Subject: Final Plan Review – Governors Village Single Family Phase 5 Subdivision**

Mr. Clay S. Lowder  
C.E. Group, Inc.  
1051 Pemberton Hill Road  
Suite 201  
Apex, NC 27502

Dear Mr. Lowder:

The N. C. Department of Transportation, Division of Highways has reviewed the construction plans 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 changes in red on the attached approved plans.
2. A properly executed driveway permit # 19-632 has been issued for the access of this subdivision onto SR 1726.
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 area 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 as proposed has been reviewed and appears to be adequate and is therefore approved. If, however field conditions dictate any changes these shall be made. Please note that pipes and culverts 48" and greater shall be buried one foot below the stream bed, culverts less than 48" shall be buried a depth equal to 20% of the pipe/culvert diameter below the stream bed. The hydraulic conveyance of the culvert however should not be compromised. If any of the property owners desire to pipe their ditches within the proposed N C DOT right of way, please advise them that this work should conform to NC DOT specifications for this type of work (see attached). If any ditches are piped and not done to the NC DOT specifications, this could result in the road not being accepted for addition to the state maintained system of roads. Any ditches piped 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"

P.O. BOX 1164, ASHEBORO, NORTH CAROLINA 27204  
PHONE (336) 629-1423 FAX (336) 629-7228

wooden or small diameter metal type on new additions. Brick columns or mailboxes on rigid stands such as block, stone or any other type felt 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 the North Carolina Department of Environment and Natural Resources. The developer should forward this plan to Mr. John Holley, P.E., Department of Environment and Natural Resources, P.O. Box 27687, Raleigh, N.C. 27611, phone (919) 571-4718 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. 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 an easement or as the property line.
  - B. Easements for drainage throughout the development.
  - C. All roads shall be shown as public and the right of way width shown.

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

Yours very truly,



J.L. Picklesimer, P.E., P.L.S.  
District Engineer

JLP/dcw  
Attachments

cc: Mr. Timothy Johnson, P.E., Division Engineer  
File

## ATTACHMENT "A"

Seeding and mulching shall be in accordance with Section 880 of the North Carolina Standard Specifications for Roads and Structures, except that Articles 880-8(B) shall not apply. Final determination of soil type shall be made by the Engineer. The following rates in pounds per acre shall apply:

<u>SANDY SOIL</u>	<u>CLAY SOIL</u>
50# - KY 31 Tall Fescue or Alta Tall Fescue	100# - KY 31 Tall Fescue or Alta Tall Fescue
5# - Centipede	15# - Kenblue Bluegrass
50# - Pensacola Bahiagrass	500# - Fertilizer
500# - Fertilizer	4000# - Limestone
4000# - Limestone	

Add 10# Kobe or Korean Lespedeza and 10# Millet to the above mixture from May 1 to August 31.

On cut and fill slopes 2:1 or steeper, add 30# Sericea Lespedeza from January 1 to December 31.

Fertilizer shall be 10-20-20 analysis. Upon written approval of the Engineer, a different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as a 10-20-20 analysis.



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

MICHAEL F. EASLEY,  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

August 8, 2005

Chatham County

County Driveway Permit File Number 19-632

Subject: Commercial Driveway Permit Application with Entrances onto SR 1726  
( Governor's Village Subdivision, Phase 5 )

Mr. Dane Vincent  
Governor's Club Limited Partnership  
P. O. Box X  
Hot Springs, Va. 24445

Dear Mr. Vincent:

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

1. The entrances onto SR 1726 is to be constructed in accordance with the attached detail sheet and Special Provisions attached.
2. The entrances onto SR 1726 shall be paved for at least 50' along the centerline of the entrance.
3. The entrances onto SR 1726 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 1726.
5. Any areas inside the right of way disturbed during construction shall be seeded and mulched immediately upon completion of construction.

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 entrance construction please notify the Chatham County Maintenance Department (Phone 919-742-3431) so a final inspection of the entrance can be made.

Yours very truly,

J. L. Picklesimer, P.E., P.L.S.  
District Engineer

JLP/jek  
Attachments

cc: Mr. Timothy Johnson  
Mr. B.F. Sloan  
File

P.O. BOX 1164, ASHEBORO, NORTH CAROLINA 27204  
PHONE (336) 629-1423 FAX (336) 629-7228

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION STREET AND DRIVEWAY ACCESS PERMIT APPLICATION
Driveway Permit No. <u>19-632</u>	Date of Application <u>05/06/2005</u>	
County: <u>Chatham</u>		
Development Name: <u>Governors Village Phase 5, Single Family</u>		

### LOCATION OF PROPERTY

Route/Road: SR 1726, Farrington Road

Exact Distance 1,400 ☐ Miles ☒ Feet      N ☒ S ☐ E ☐ W

From the Intersection of Route No. SR 1008 and Route No. SR 1726 Toward Durham

Property Will Be Used For: ☒ Residential /Subdivision ☐ Commercial ☐ Educational Facilities ☐ TND ☐ Emergency Services ☐ Other

Property: ☐ is ☒ is not within any 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.**

# SIGNATURES OF APPLICANT

PROPERTY OWNER (APPLICANT)  
 COMPANY Governors Club Limited Partnership - Dane Vincent  
 SIGNATURE Dane Vincent - V.P.  
 ADDRESS PO Box X, Hot Springs, VA.  
24445 Phone No. 919606-7470

WITNESS  
 NAME Michael A. Hahaj  
 SIGNATURE Michael A. Hahaj  
 ADDRESS PO Box 397  
Hot Springs, VA 24445

AUTHORIZED AGENT  
 COMPANY Governors Village Commercial - Dane Vincent  
 SIGNATURE Dane Vincent - G.M.  
 ADDRESS PO Box X, Hot Springs, VA.  
24445 Phone No. 919606-7470

WITNESS  
 NAME Michael A. Hahaj  
 SIGNATURE Michael A. Hahaj  
 ADDRESS PO Box 397  
Hot Springs, VA 24445

## APPROVALS

APPLICATION RECEIVED BY DISTRICT ENGINEER

J. J. Pecklesimer  
 SIGNATURE

05-11-05  
 DATE

APPLICATION APPROVED BY LOCAL GOVERNMENTAL AUTHORITY (when required)

SIGNATURE

TITLE

DATE

APPLICATION APPROVED BY DISTRICT ENGINEER

J. J. Pecklesimer  
 SIGNATURE

8-8-05  
 DATE

INSPECTION BY NCDOT

SIGNATURE

TITLE

DATE

COMMENTS:

Driveway for 49 Lot Single Family Subdivision, Future Public Road

**DRIVEWAY ACCESS SPECIAL PROVISIONS**  
**GOVERNOR'S CLUB LIMITED PARTNERSHIP**  
**GOVERNOR'S VILLAGE PHASE 5**  
**19-632 (CHATHAM)**

*Approval of the driveway permit agreement is made subject to the following Special Provisions:*

1. Changes noted in red on the plans shall be incorporated into and made a part of the driveway permit agreement. An executed copy of the driveway permit agreement shall be available at the construction site at all times. NCDOT reserves the right to stop all work unless evidence of approval can be shown.
2. Notify the following prior to beginning work:
  - **B.F. Sloan, County Maintenance Engineer**  
1404 E. Raleigh St.  
Siler City, N.C. 27344  
(919) 742-3431
3. The encroaching party shall comply with all applicable federal, state and local environmental regulations, and shall obtain all necessary federal, state and local environmental permits, including but not limited to, those related to sediment control, stormwater, wetland, streams, endangered species, and historical sites.
4. All materials and construction shall be in accordance with NCDOT standards and specifications, including but not limited to the NCDOT Standard Specifications for Roads and Structures 2002, the NCDOT Roadway Standards Drawings, and NCDOT Policies and Procedures for Accommodating Utilities on Highway Rights of Way.
5. It shall be the responsibility of the Encroacher to determine the location of other utilities within the encroachment area in accordance with General Statute 87-102. The Encroacher shall be responsible for notifying other utility owners and providing protection and safeguards to prevent damage or interruption to existing facilities and to maintain accessibility to existing utilities. Costs to repair, restore, or relocate existing utilities due to this encroachment shall be the responsibility of the encroaching party.
6. NCDOT does not guarantee the Right of Way on this road, nor will it be responsible for any claim for damages brought by any property owner by reason of this driveway permit. All Right of Way and easements necessary for construction and maintenance shall be dedicated to NCDOT with the proof of dedication furnished to the District Engineer prior to beginning work. Encroachment within the Right of Way does not imply approval for encroachment onto adjacent property. The Encroacher shall be responsible for securing any easement, permit, permission, or approval for encroachment or other use of property outside the state maintained right of way. Right of Way monuments disturbed during construction shall be referenced by a Professional Land Surveyor and reset immediately after construction.
7. The encroaching Party shall take whatever measures are necessary to minimize soil erosion and siltation, water pollution, and air pollution. It shall be the responsibility of the Encroaching Party to keep fully informed to comply with the applicable regulations of all legally constituted authorities relating to pollution prevention and control. In the event of conflict between regulations, specifications, or requirements, the more restrictive requirement shall apply. All erosion and pollution control devices and measures shall be constructed, installed, maintained and removed by the encroaching party in accordance with all applicable Federal, State and Local laws, regulations, ordinances, and policies. No construction shall begin until all erosion control devices have been installed to the satisfaction of the District Engineer. Failure to comply with this provision shall be grounds for immediate suspension of all activities within the Right of Way.
8. A \$25,000.00 Performance and Indemnity Bond shall be executed and posted with the District Engineer prior to beginning any work on the Right of Way. The bond shall remain in effect for a period of one (1) year following completion of the job. The encroaching party shall notify the District Engineer in writing when all work within the Right of Way has been completed. Upon receipt of written notification, the District Engineer

will inspect the project and provide certification that the project has been completed. When the project has been satisfactorily completed for one (1) year, the bonding company shall submit a written request along with a copy of the encroachment authorization to the District Engineer for release of the bond. The bond will be released upon satisfactory final inspection, review and approval by the District Engineer.

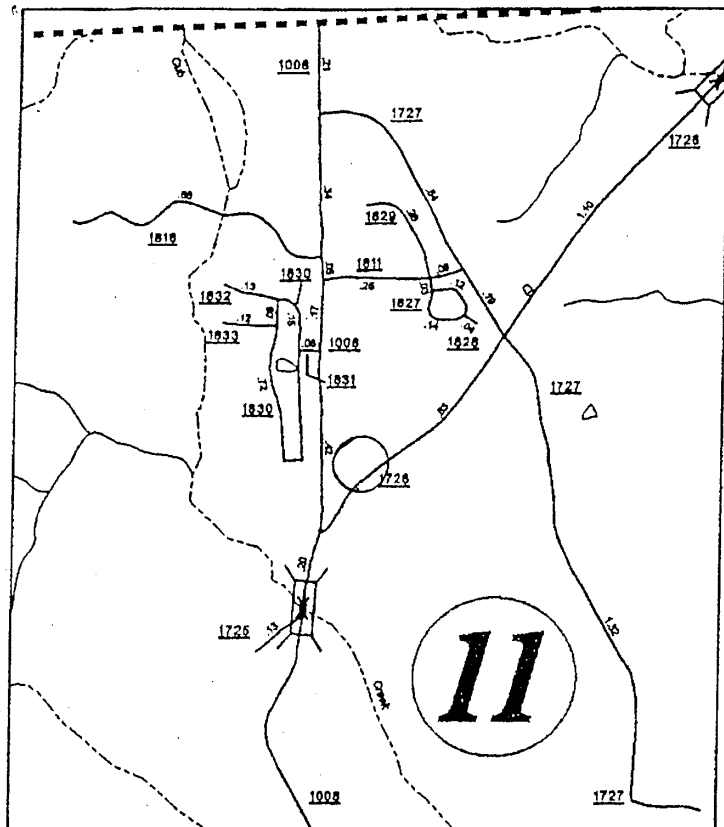
9. A \$ 25,000.00 Performance and Indemnity Bond shall be executed and posted with the District Engineer prior to beginning any work on the Right of Way. The required bond may be executed in any of the following methods.
  - Cash bond in the form of a certified check payable to the North Carolina Department of Transportation.
  - Performance and indemnity bond underwritten by a surety company legally authorized to do business in North Carolina.
  - Continuing bond for the performance of work within the NCDOT Right of Ways.
  - Cashiers check or bank letter of credit (2 copies with original signature) in the amount of the bond.
  - The Bond shall be submitted to the District Engineer, North Carolina Department of Transportation, P.O. Box 1164, Asheboro, N.C. 27204. Please identify the Driveway Permit Agreement by including File # 19-632 on the Bond.
10. Bonds shall remain in effect for a period of one (1) year following completion of the job. The encroaching party shall notify the District Engineer in writing when all work within the Right of Way has been completed. Upon receipt of written notification, the District Engineer will inspect the project and provide certification that the project has been completed. When the project has been satisfactorily completed for one (1) year, the bonding company shall submit a written request along with a copy of the encroachment authorization to the District Engineer for release of the Bond. The Bond will be released upon satisfactory final inspection, review, and approval by the District Engineer.
11. In the event this driveway permit is constructed under multiple contracts and the bond requirement is delegated to the contractor or contractors, separate bonds may be posted. The amount of the bond secured by each contractor shall be proportional to the length and size of the contract. The bond will be held for a period of one (1) year following completion of the contract.
12. No work shall commence until all Bond requirements have been satisfied.
13. Construction equipment or vehicles shall not be parked on the pavement or roadway shoulder.
14. Construction is authorized to be performed on Monday through Friday during the hours between sunrise and sunset.
15. The encroaching party may delegate the performance of certain provisions of this agreement to contractors or other parties. However, this shall not in any way release the encroaching party from its obligations to the terms and provisions of the encroachment.
16. Written notification shall be provided to the District Engineer upon completion of the work proposed under this agreement. Materials test frequencies and methods shall be in conformance with the NCDOT Materials and Tests guidelines, or as directed by NCDOT. A letter of approval, or recommendations for compliance, will be provided upon receipt and review of test reports.
17. The traveling public shall be warned of construction with complete and proper signing and traffic control devices in accordance with the current **Manual on Uniform Traffic Control Devices (MUTCD)**. No work shall be performed in the Right of Way unless this requirement is satisfied. NCDOT reserves the right to require a written traffic control plan for encroachment operations. Traffic control devices and operations shall include, but are not limited to the following:
  - Adequate and appropriate advance warning signs for any and all work zones, closed or obstructed areas.
  - "End Construction" signage beyond the end of all work zones.



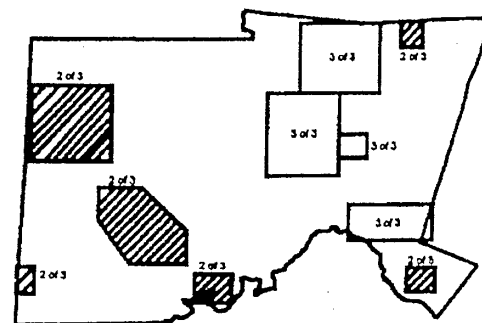
- Adequate and appropriate delineation and control devices for all work zone areas including but not limited to lane closures, disturbed areas, and active work sites.
  - Properly trained and equipped flagmen.
  - Proper maintenance of all traffic control devices, including but not limited to proper signage and controls during periods of inactivity and removal of inappropriate traffic control signage and/or devices.
18. Traffic shall not be detoured or rerouted. Two way traffic shall be maintained at all times.
19. The Traffic Services Supervisor shall be notified at (910) 947-3930 in Carthage, NC, prior to beginning work on the Right of Way if there are existing NCDOT signs, traffic signals, or signal equipment in or near the proposed work zone. Costs to relocate, replace, or repair NCDOT signs, signals, or associated equipment shall be the responsibility of the Encroacher.
20. Excavated material shall not be placed on the paved roadway surface at any time unless specifically approved by the District Engineer. Drainage structures shall not be blocked with excavated material at any time.
21. Drainage structures and systems shall be preserved and protected. Any structure which is disturbed or damaged during construction shall be immediately restored to its original condition at no expense to the Department of Transportation. All utility installations shall be designed and constructed so as not to hinder, disrupt or interfere with existing storm drainage. All facilities shall pass over or under highway drainage facilities.
22. The encroaching party shall contact Benny F. Sloan Chatham County Maintenance Engineer @ (919) 742-3431 for inspection of forms or grade line prior to placing concrete for curb and gutter. A minimum of 24 hours notice is required for inspections.
23. A ¼ inch per foot pavement slope based on the existing centerline in tangent sections is required. In addition, a smooth transition must be maintained along areas of superelevation. The proposed widening may necessitate wedging or resurfacing one half of the existing roadway to accomplish this requirement. Widened areas less than 6 feet in width shall utilize a full depth asphalt pavement design. The minimum pavement design shall be:
- 2 inches Asphalt Surface Course – S9.5B  
3 inches Asphalt Intermediate Course – I19.OB  
10 inches Aggregate Base Course
- or
- 2 inches Asphalt Surface Course – S9.5B  
3 inches Asphalt Intermediate Course – I19.OB  
6 inches Asphalt Base Course - B25.OB
24. All disturbed soil areas shall be promptly seeded and mulched. The encroaching party shall obtain the District Engineer's approval of ditch and shoulder grading prior to seeding and mulching.
25. All earth areas shall be regraded, seeded and mulched in accordance with Section 1660 of the **NCDOT Standard Specifications for Roads and Structures 2002**. Final determination of soil type shall be made by the Engineer. The following rates in pounds per acre apply:
- *YEAR ROUND MIXTURE (Sandy Soils)*
    - KY 31 Tall Fescue or Alta Tall Fescue – 50 pounds
    - Pensacola Bahiagrass – 50 pounds
    - Centipede – 5 pounds
    - Fertilizer (10-20-20 analysis) – 500 pounds
    - Limestone – 4000 pounds
  - *YEAR ROUND MIXTURE (Clay Soils)*
    - KY 31 Tall Fescue or Alta Tall Fescue – 100 pounds
    - Kenblue Bluegrass – 15 pounds

Fertilizer (10-20-20 analysis) – 500 pounds  
Limestone – 4000 pounds

- Add 10 pounds of Kobe or Korean Lespedeza and 10 pounds of Millet to the above mixture from May 1 to August 31.
  - On cut and fill slopes 2:1 or steeper, add 30# Sericea Lespedeza from January 1 to December 31.
  - Fertilizer shall be 10-20-20 analysis. Upon written approval of the Engineer, a different analysis may be used provided the 1-2-2 ratio is maintained and the rate of application is adjusted to provide the same amount of plant food as a 10-20-20 analysis.
26. Notify the County Maintenance Engineer's (919) 742-3431, 1404 E. Raleigh St. Siler City, N.C. 27344, prior to beginning work. The encroaching party shall provide the County Maintenance Engineer with the following information at least 3 working days prior to commencing operations:
- Proposed schedule of operations
  - The name(s) and phone number(s) of project contact person(s). (See Special Provision 16)



Farrington



SHEET KEY

**State of North Carolina  
Department of Environment  
and Natural Resources  
Raleigh Regional Office**

**Michael F. Easley, Governor  
William G. (Bill) Ross, Secretary**



**DIVISION OF LAND RESOURCES  
LETTER OF APPROVAL**

July 5, 2005

Governor's Village, LLC  
P. O. Box X  
Hot Springs, Va 24445

RE: Project Name: Governor's Village Single Fam Ph 5  
County: Chatham  
Submitted by: CE Group  
Date Received: 6/08/05; 6/29/05  
Date Processing Initiated: 6/08/05  
Watershed: Cape Fear #1/03-06-05  
New Submittal (X) Revised ( )

Dear Sir/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. If any modifications, performance reservations, or recommendations are applicable, a list is enclosed and is incorporated as a part of this letter of approval. The enclosed Certificate of Approval should be posted at the job site. In addition, it should be noted that this plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, in accordance with Title 15A, North Carolina Administrative Code (NCAC) 4B.0029.

If any modifications are not incorporated into the plan and implemented in the field, the site will be in violation of the Sedimentation Pollution Control Act of 1973 (North Carolina General Statute (NCGS), 113A-61.1).

15A NCAC 4B.0018(a) requires that a copy of the approved plan be on file at the job site. Also, this letter gives the notice required by NCGS 113A-61.1(a) concerning our right to perform periodic inspections to ensure compliance with the approved plan.

North Carolina's sedimentation pollution control program is performance oriented, requiring protection of the natural resources and adjoining properties. If at any time during this project it is determined that the Erosion and Sedimentation Control Plan is inadequate to meet the requirements of the Sedimentation Pollution Control Act of 1973 (NCGS 113A-51 through 66), this office may require revisions in the plan and its implementation to ensure compliance with the Act.

Acceptance and approval of this plan is conditioned upon your compliance with applicable federal and state water quality laws, regulations and rules. This could include the Division of Water Quality under stormwater or other specific water quality standards, and the U.S. Army Corps of Engineers under Article 404 jurisdiction. Our approval does not supersede any other required permit or approval.

Since this project disturbs one or more acres, one such approval relates to the stormwater that will discharge from your project. This runoff is permitted pursuant to the National Pollutant Discharge Elimination System (NPDES) administered in North Carolina by the Division of Water Quality (DWQ). Attached is the General Stormwater NPDES Permit, NCG010000, as revised October 1, 2001, covering your activity. You are responsible for complying with the General Permit requirements and are subject to enforcement by DWQ for any violations of the General Permit.

Please note that this approval is based in part on the accuracy of the information provided concerning financial responsibility. You are requested to file an amended Financial Responsibility Form if any changes become necessary. In addition, it would be helpful if you would notify this office when the proposed land-disturbing activity covered by this plan is initiated.

Your cooperation is appreciated and we look forward to working with you on this project. If there are any questions, please do not hesitate to contact this office.

Sincerely,



Ahmad Al-Sharawneh

Asst. Regional Engineer  
Land Quality Section

AA:clm

cc: CE Group

Mr. Ken Schuster, P.E., Division of Water Quality

Blend the finished stone surface with surrounding land surface (Figure 6.31c). No overfall or channel constriction should exist. Grass-lined channels with riprap bottoms must have smooth contact between riprap and vegetation.

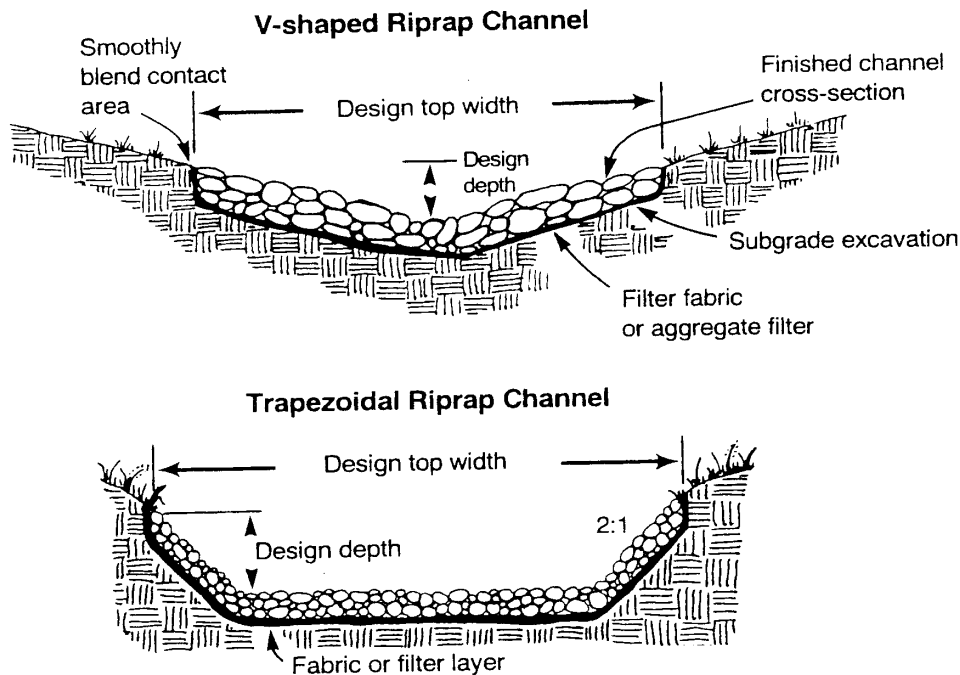


Figure 6.31c Finished riprap surface should blend with surrounding land surface.

Stabilize channel inlet points and install needed outlet protection during channel installation.

Keep erosion and water pollution to a minimum during channel construction. Stabilize all disturbed areas immediately.

#### Common Trouble Points

- Foundation not excavated deep enough or wide enough—riprap restricts channel flow, resulting in overflow and erosion.
- Side slopes too steep—causes instability, stone movement, and bank failure.

## Rock Dam

### Installation

Divert runoff from undisturbed areas away from the basin (reference Practice 6.10, *Temporary Diversions*). Delay clearing pond area until dam is in place.

Excavate foundation for apron and use it as a temporary sediment basin during construction of dam.

Clear and grub area under dam, removing all root mat and other objectionable material. Grade earth abutments no steeper than 1:1. Dispose of material in approved location.

If cutoff trench is required, excavate at center line of dam, extending all the way up each abutment.

THE UNDERLIEING FOUNDATION MATERIAL MUST BE COVERED BY FILTER FABRIC. OVERLAP 1 ft at all joints, upstream strip over downstream strip (Figure 6.63b).

### Piping

Smooth the foundation area before placing filter fabric. Be careful placing rock on fabric. It may be helpful to place a 4-inch layer of sand over fabric before placing rock.

### Embankment and Pool

Construct embankment to dimensions shown on plans. Use well-graded, hard, angular, weather-resistant rock. Rock abutments must be at least 2 ft higher than the spillway crest and at least 1 ft higher than the downstream face of dam at all points (Figure 6.63c).

Divert sediment-laden flow to upper end of basin.

Set marker stake to indicate clean out elevation where sediment pool is 50% full.

Stabilize all disturbed areas except the lower one-half of sediment pool as shown in the vegetation plan.

### Safety

Sediment basins that impound water are hazardous. Basin should be dewatered between storms. Avoid steep side slopes. Fences with warning signs may be necessary if trespassing is likely. State and local requirements must be followed.

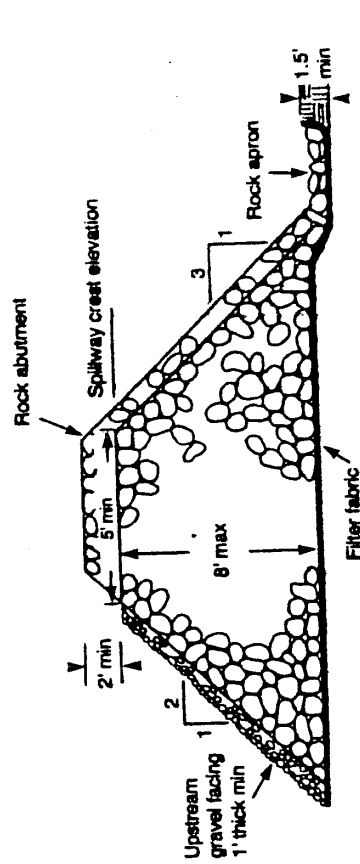


Figure 6.63b Rock dam cross section.

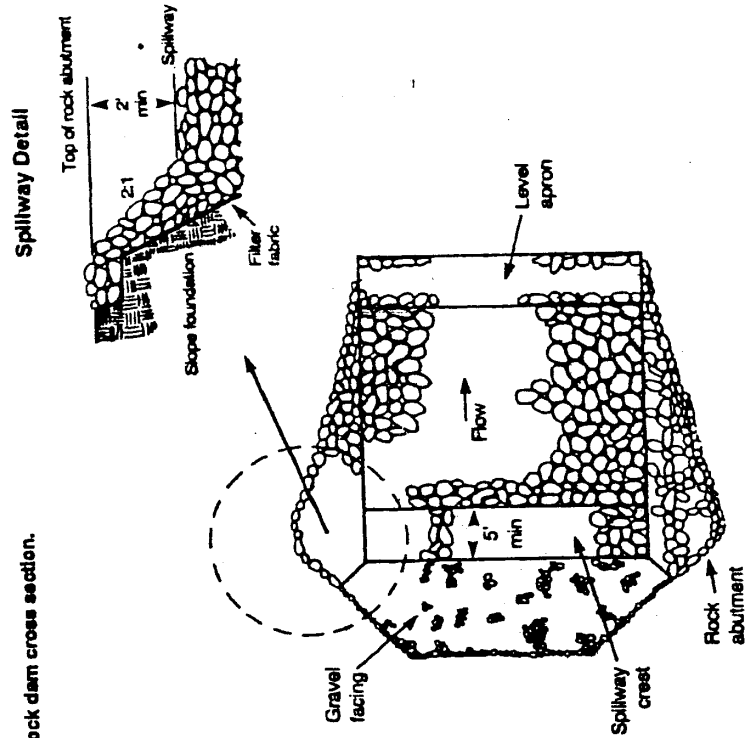


Figure 6.63c Plan view of rock dam with spillway detail.

chemical solutions. 6. Over voltage or unprotected low voltage. 7. Unprotected electrical phase loss or phase reversal. 8. Exposure to non-fused incoming power. 9. Damage occurring when using control panel as service disconnect.

The foregoing constitutes manufacturer's sole warranty and has not nor does it make any additional warranty, whether express or implied, with respect to the pumping system or component. Manufacturer makes no warranty, whether express or implied, with respect to fitness for a particular purpose or merchantability of the pumping system or component. Manufacturer shall not be liable to purchaser or any other person for any liability, loss, or damage caused or alleged to be caused, directly or indirectly, by the pumping system. In no event shall manufacturer be responsible for incidental, consequential, or act of God damages nor shall manufacturer's liability for damages to purchaser or any other person ever exceed the original factory purchase price.



**State of North Carolina  
Department of Environment  
and Natural Resources  
Raleigh Regional Office**

**Michael F. Easley, Governor  
William G. (Bill) Ross, Secretary**



**DIVISION OF LAND RESOURCES  
LETTER OF APPROVAL  
November 2, 2005**

Governor's Village, LLC  
PO Box X  
Hot Springs, VA 24445  
ATTN: Dane Vincent

RE: Project Name: Governor's Village, Single Family  
Ph.V  
County: Chatham  
Submitted by: CE Group, Inc.  
Date Received: 10/18/05  
Date Processing Initiated 10/18/05:  
Watershed: Cape Fear #1/03-06-05  
New Submittal ( ) Revised (X)

Dear Mr. Vincent:

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. If any modifications, performance reservations, or recommendations are applicable, a list is enclosed and is incorporated as a part of this letter of approval. The enclosed Certificate of Approval should be posted at the job site. In addition, it should be noted that this plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, in accordance with Title 15A, North Carolina Administrative Code (NCAC) 4B.0029.

If any modifications are not incorporated into the plan and implemented in the field, the site will be in violation of the Sedimentation Pollution Control Act of 1973 (North Carolina General Statute (NCGS), 113A-61.1).

15A NCAC 4B.0018(a) requires that a copy of the approved plan be on file at the job site. Also, this letter gives the notice required by NCGS 113A-61.1(a) concerning our right to perform periodic inspections to ensure compliance with the approved plan.

North Carolina's sedimentation pollution control program is performance oriented, requiring protection of the natural resources and adjoining properties. If at any time during this project it is determined that the Erosion and Sedimentation Control Plan is inadequate to meet the requirements of the Sedimentation Pollution Control Act of 1973 (NCGS 113A-51 through 66), this office may require revisions in the plan and its implementation to ensure compliance

with the Act.

Acceptance and approval of this plan is conditioned upon your compliance with applicable federal and state water quality laws, regulations and rules. This could include the Division of Water Quality under stormwater or other specific water quality standards, and the U.S. Army Corps of Engineers under Article 404 jurisdiction. Our approval does not supersede any other required permit or approval.

Since this project disturbs one or more acres, one such approval relates to the stormwater that will discharge from your project. This runoff is permitted pursuant to the National Pollutant Discharge Elimination System (NPDES) administered in North Carolina by the Division of Water Quality (DWQ). Attached is the General Stormwater NPDES Permit, NCG010000, as revised October 1, 2001, covering your activity. You are responsible for complying with the General Permit requirements and are subject to enforcement by DWQ for any violations of the General Permit.

Please note that this approval is based in part on the accuracy of the information provided concerning financial responsibility. You are requested to file an amended Financial Responsibility Form if any changes become necessary. In addition, it would be helpful if you would notify this office when the proposed land-disturbing activity covered by this plan is initiated.

Your cooperation is appreciated and we look forward to working with you on this project. If there are any questions, please do not hesitate to contact this office.

Sincerely,



Karyn Pageau, EIT  
Assistant Regional Engineer  
Land Quality Section

KWP:clm

cc: Mr. Mark P. Ashness, P.E., CE Group, Inc.  
Mr. Ken Schuster, P.E., NC DWQ

STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENT  
AND NATURAL RESOURCES

Division of Environmental Health  
Public Water Supply Section

Michael F. Easley, Governor  
William G. Ross Jr., Secretary  
Terry L. Pierce, Director  
Jessica G. Miles, Section Chief



October 6, 2005

Mr. Charlie Horne  
Chatham County Board of Commissioners  
P.O. Box 1550  
Pittsboro, North Carolina 27312

Re: Engineering Plans and Specifications Approval  
Water Main Extension  
Chatham County Water System  
Governors Village Single Family Phase 5  
Governors Club Development  
Chatham County  
PWS ID #03-19-126

**This is not an Authorization to Construct**

Dear Mr. Horne:

Enclosed please find one copy of the "Application for Approval..." together with one copy of the referenced engineering plans and specifications bearing the Division of Environmental Health stamp of approval for the referenced project. These engineering plans and specifications are approved under Division of Environmental Health serial number 05-01217, dated September 28, 2005.

Engineering plans and specifications prepared by Mark P. Ashness, P.E. call for installation of approximately 2,480 feet of 8-inch water main, approximately 1400 feet of 2-inch water main, with fire hydrants, valves and appurtenances to serve 49 residential lots located off of Farrington Road (NCSR 172) in Chatham County, North Carolina.

The enclosed approval contains conditions on the project as follows:

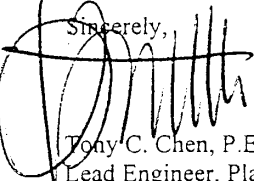
- All the crossing of water mains with sanitary sewers shall be in accordance with G.S 15A NCAC 18C .0906.

Please note that an "Authorization to Construct" requires both this approval of Engineering Plans and Specifications and submittal of a complete Water System Management Plan. No construction shall be undertaken, and no contract for construction, alteration, or installation shall be entered into until the Department issues an Authorization to Construct letter in accordance with 15A NCAC 18C.0305(a).

These plans and specifications cited in the foregoing application are approved insofar as the protection of public health is concerned as provided in the rules, standards and criteria adopted under the authority of Chapter 130A-317 of the General Statutes. This approval does not constitute a warranty of the design, construction or future operation of the water system.

One copy of each enclosed document is being forwarded to our Raleigh Regional Office. The third copy is being retained in our permanent files.

If we can be of further service, please call on us at (919) 733-2460.

Sincerely,  
  
Tony C. Chen, P.E.  
Lead Engineer, Plan Review  
Technical Services Branch

TCC/DG/sep

Enclosures: Approval Documents

cc: Michael L. Douglas, P.E., Regional Engineer  
Chatham County Health Department  
Mark P. Ashness, P.E., CE Group, Inc.

STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENT  
AND NATURAL RESOURCES

Division of Environmental Health  
Public Water Supply Section



Michael F. Easley, Governor  
William G. Ross Jr., Secretary  
Terry L. Pierce, Director  
Jessica G. Miles, Section Chief

September 29, 2005

CHARLIE HORNE  
P O Box 1550  
Pittsboro, NC 27312

Re: **Authorization to Construct  
GOVERNORS VILL SINGLE FAM PH 5  
CHATHAM CO WATER SYSTEM  
CHATHAM County 0319126**

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 **GOVERNORS VILL SINGLE FAM PH 5, DEH Serial No. 0501217.**

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. 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.

Approval must be secured from the Department before any construction or installation if:

- Deviation from the approved engineering plans and specifications is necessary; or
- There are changes in site conditions affecting capacity, hydraulic conditions, operating units, the function of water treatment processes, the quality of water to be delivered, or conditions imposed by the Department in any approval letters.

Upon completion of the construction or modification and in accordance with Rule .0303, the applicant shall submit a certification statement directly to of this office. This statement must be 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. Prior to Final Approval, the applicant shall submit a signed certification stating that the requirements in 15A NCAC 18C .0307 (d) and (e) have been satisfied and if applicable, a completed application for an Operating Permit and fee. Once the certification statements and operating permit application and fee, if applicable, are received and determined adequate, the Department will grant Final Approval in accordance with Rule .0309 (a). Therefore, no construction, alteration, or expansion of a water system shall be placed into service until Final Approval has been issued by the Department.

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:DMG

cc: MICHAEL L. DOUGLAS, Regional Engineer  
Ce Group, Inc.



State of North Carolina  
Department of Environment and Natural Resources

Public Water System Authorization to Construct

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

CHATHAM CO WATER SYSTEM  
0319126

Project Name:

GOVERNORS VILL SINGLE FAM PH 5

Serial No.

0501217

Issue Date:

09/28/2005

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.



LAND USE EVALUATION  
CIVIL ENGINEERING  
CONSTRUCTION MANAGEMENT

October 31, 2005

Mr. Keith Megginson, Planning Director  
Chatham County  
PO Box 87  
Pittsboro, NC 27312

Re: **Evaluation of Existing Stormwater Pond Governors Village, Phase 5  
Chatham County, NC**

Dear Mr. Megginson:

We have completed an asbuilt survey of the existing (4) acre pond. Currently, there is 6" of vertical storage in the temporary pool before water would flow into the top of the riser structure. There is also just over 1 foot of vertical separation between the top of the riser and the emergency spillway. The 6" temporary storage pool currently holds a volume of 90,000 CF.

In addition, we have evaluated both the existing and future impervious coverage for the watershed draining to this existing stormwater pond. At full development buildout with the inclusion of Phase 5 and the future Townhomes Phase 3, the total impervious coverage will be 60.55 AC. Based upon a 1/2" storage requirement, the needed temporary pool storage volume is 110,000 CF. The current temporary storage available is 90,000 CF. By adding a 6" riser to the top of the existing box, the temporary storage volume is increased to over 175,000 CF which exceeds the 110,000 CF required. With the addition of this riser, there is still over 6" of freeboard prior to engaging the emergency spillway.

The attached exhibits are provided as supporting information.

Please contact us if you should have any questions.

Respectfully submitted,

CE Group, Inc.

A handwritten signature in black ink, appearing to read "Mark P. Ashness".

Mark P. Ashness, PE

CC: Edmund Waddell, Crosland

1051 Pemberton Hill Road, Suite 201 – Apex, N.C. 27502

Voice (919) 367-8790 – Fax (919) 367-8791 – email [mike@cegroupinc.com](mailto:mike@cegroupinc.com)