



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

LYNDO TIPPETT
SECRETARY

December 6, 2005

Mr. Robert Swain
Bynum Ridge, LLC
1000 Saint Albans Drive, Suite 400
Cary, NC 27609

And

Mr. Charlie Horne, County Manager
Chatham County
P O Box 87
Pittsboro, N. C. 27312

SUBJECT: ENCROACHMENT AGREEMENT (16.6) (19-3192)
12" & 8" DIP Water Lines
SR 1711 & SR 1713
Chatham County

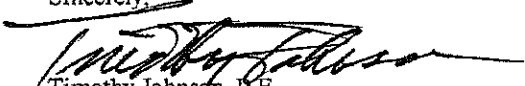
Dear Mr. Swain & Mr. Horne:

Attached is a properly executed copy of a Right of Way Encroachment Agreement which covers the following:

12" & 8" DIP Water Lines on SR 1711 & SR 1713 in Chatham County

This agreement is approved subject to the Special Provisions which are attached to and made a part of the Encroachment Agreement.

Sincerely,


Timothy Johnson, P.E.
Division Engineer

TJ/jek

Attachments

c: Robert Memory, State Utility Agent, Utility Coordination Unit (w/orig.)
J.L. Picklesimer, District Engineer

(19-3192)

17-0142

ROUTE SR 1713 / SR 1711 PROJECT Williams Pond COUNTY OF STATE OF NORTH CAROLINA Chatham

DEPARTMENT OF TRANSPORTATION

THREE PARTY RIGHT OF WAY
ENCROACHMENT AGREEMENT ON
PRIMARY AND SECONDARY SYSTEM

-AND-
Bynum Ridge LLC

1000 Saint Albans Drive, Suite 400, Cary, NC 27609

-AND-
Chatham County

PO Box 87, Pittsboro, NC 27312

THIS AGREEMENT, made and entered into this the 9th day of 12, 20 05, by and between the Department of Transportation, party of the first part; and Bynum Ridge LLC party of the second part; and Chatham County party of the third part,

WITNESSETH

THAT WHEREAS, the party of the second part desires to encroach on the right of way of the public road designated as Route(s) SR 1711 and SR 1713, located .3 miles south of US 15/501 and SR 1713 Intersection

with the construction and/or erection of: a Pressure Reducing Valve, Vault and appurtenances, 8" x 6" tap, +- 20 lf of open cut asphalt, +- 50 lf of 12" DIP water main and appurtenances within Bynum Road (SR 1713) Right of way. +- 1,400 lf of 8" DIP Water Main and +- 5,450 lf of 12" DIP Water Main and appurtenances within Bynum Ridge Road (SR 1711) Right of way.

WHEREAS, it is to the material advantage of the party of the second part to effect this encroachment, and the party of the first part in the exercise of authority conferred upon it by statute, is willing to permit the encroachment within the limits of the right of way as indicated, subject to the conditions of this agreement;

NOW, THEREFORE, IT IS AGREED that the party of the first part hereby grants to the party of the second part the right and privilege to make this encroachment as shown on attached plan sheet(s), specifications and special provisions which are made a part hereof upon the following conditions, to wit:

That the installation, operation, and maintenance of the above described facility will be accomplished in accordance with the party of the first part's latest POLICIES AND PROCEDURES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS-OF-WAY, and such revisions and amendments thereto as may be in effect at the date of this agreement. Information as to these policies and procedures may be obtained from the Division Engineer or State Utility Agent of the party of the first part.

That the said party of the second part binds and obligates himself to install and maintain th

Third Party

Pittsboro, N.C. 27312

PO Box 87

Chatham County

Pittsboro, NC 27312

PO Box 87

During the performance of this contract, the second party, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor"), agrees as follows:

- a. Compliance with Regulations: The contractor shall comply with the Regulations relative to nondiscrimination in Federally-assisted programs of the U. S. Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
- b. Nondiscrimination: The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- c. Solicitations for Subcontracts, including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
- d. Information and Reports: The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
- e. Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to,
 - (1) withholding of payments to the contractor under the contract until the contractor complies, and/or
 - (2) cancellation, termination or suspension of the contract, in whole or in part.
- f. Incorporation of Provisions: The contractor shall include the provisions of paragraphs "a" through "f" in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Department of Transportation to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

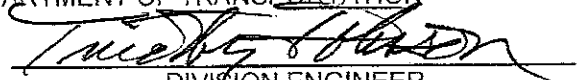
That when title to the subject that constitutes the aforesaid encroachment passes from the party of the second part and vests in the party of the third part, the party of the third part agrees to assume all responsibilities and rights and to perform all obligations as agreed to herein by the party of the second part.

R/W (166) : Party of the Second Part certifies that this agreement is true and accurate copy of the form R/W (166) incorporating all revisions to date.

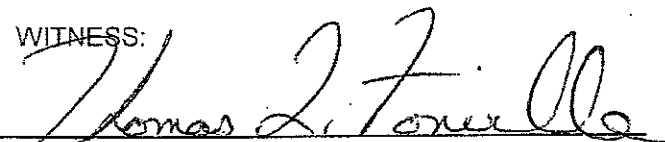
IN WITNESS WHEREOF, each of the parties to this agreement has caused the same to be executed the day and year first above written.


DEPARTMENT OF TRANSPORTATION

BY:


DIVISION ENGINEER

WITNESS:


1000 SAINT ALBANS DRIVE
SUITE 400
CARY, NC 27609


Bynum Ridge LLC
1000 Saint Albans Drive, Suite 400
Cary, N.C. 27609
Second Party

WITNESS:

ENCROACHMENT SPECIAL PROVISIONS
BYNUM RIDGE, LLC & CHATHAM COUNTY
19-3192 (CHATHAM)

Approval of the encroachment 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 encroachment agreement. An executed copy of the encroachment 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 encroachment. 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 \$2500.00 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 \$2500.00 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 Encroachment Agreement by including File # 19-3192 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 encroachment 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. Storage of materials or equipment within the Right of Way is prohibited. During non-working hours, equipment shall be parked as close to the right of way line as possible and shall be properly barricaded so that no equipment obstruction shall be within the Clear Recovery Area.
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.

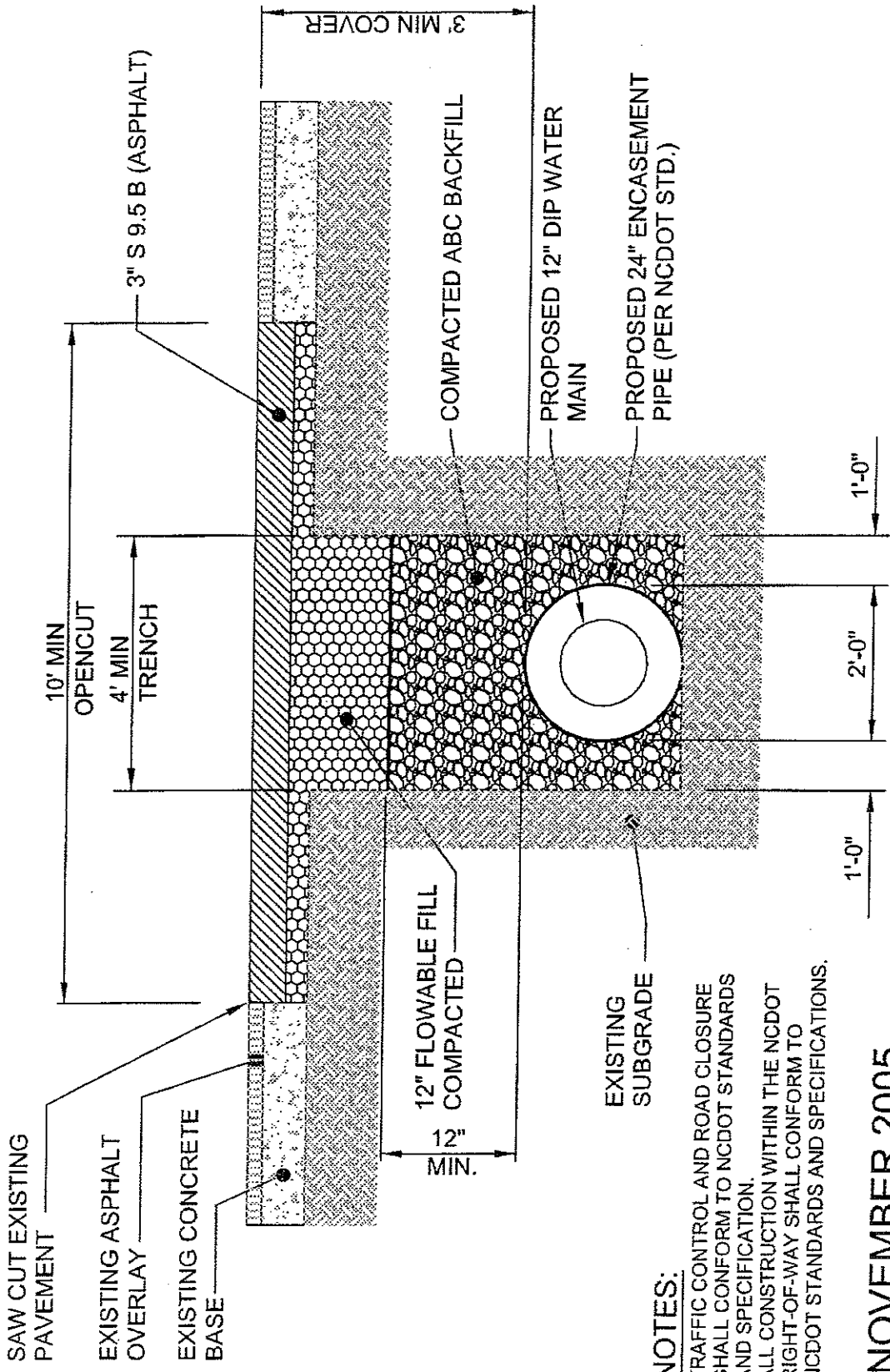
- "End Construction" signage beyond the end of all work zones.
 - Adequate and appropriate delineation and control devices for all work zone areas including but not limited to lane closures, disturbed areas, and active work sites.
 - Properly trained and equipped flagmen.
 - Proper maintenance of all 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. Ingress and egress shall be maintained to businesses and dwellings. Driveways altered during construction shall be restored to a condition equal to that prior to beginning construction.
 21. 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.
 22. Trenches/excavations/bore pits shall not remain open longer than a 24 hour period. No trench/excavation/bore pit shall be left open overnight except in the event of emergency, in which case the encroacher shall notify the District Engineer and inform him as to the nature and anticipated duration of the emergency. Any excavation left open overnight due to emergency shall be protected and delineated with complete, adequate and appropriate safety and traffic control devices.
 23. All backfill shall meet the Statewide Borrow Criteria and shall be placed in accordance with section 300-6 of NCDOT Standard Specifications for Roads and Structures 2002. Backfill material shall be free from rocks and debris placed in six inch loose layers and compacted to at least 95% of standard density as determined by AASHTO Method T-99 as modified by NCDOT, except that backfill material placed within eight (8) inches of the pavement subgrade shall be compacted to 100% of standard density. (Copies of these testing procedures are available on request from the NCDOT Materials and Tests Unit.) Each layer must be fully compacted by an approved mechanical tamp before the next layer is placed.
 24. Excavated areas adjacent to pavement having more than a 2 inch drop shall be backfilled and made safe with a 6:1 or flatter slope and shall be designated by appropriate delineation during periods of construction inactivity including, but not limited to, night and weekend hours.
 25. When burying around the end of a pipe, culvert, or bridge, the utility shall be located a minimum of five (5) feet from the nearest part of the pipe, culvert, or bridge, and buried to a minimum depth of five (5) feet below the stream bed. At points where the utility is placed under existing storm drains by trenching, the trench shall be backfilled with Class M concrete up to the outside diameter of the existing pipe.
 26. 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.
 27. The dry bore method of boring shall be utilized and made perpendicular to the roadway. Any bore exceeding 6 inches shall be encased.
 28. The grade of top of pipe or casing shall provide the following minimum bury:
 - Crossing under roadways - 3 feet from pavement surface
 - Longitudinal installations - 3 feet from finished grade
 - Crossing under ditches - 2 feet from ditch line

29. All service connections shall be bored unless construction is of ductile iron or equal quality material with satisfactory leakproof joints.
30. All blow-off assemblies shall be directed away from any travel lane.
31. All blow-off valves, vaults, manholes and other appurtenances within the NCDOT right of way shall be located behind the ditch and at the right of way line. Manholes and/or vaults shall not be placed in the ditch line, side slopes of ditches or in the pavement.
32. All manholes and/or vaults shall be of an NCDOT pre-approved design. Manholes or vaults shall be designed for HS-20 live loads and conform to the NCDOT Standard Specifications for Roads and Structures 2002, the NCDOT Roadway Standards Drawings. Any proposed structure which is not of a design pre-approved by NCDOT shall be submitted to NCDOT with details and design calculations sealed by a Professional Engineer for approval prior to construction. An list of approved structures may be obtained from NCDOT Design Services at 919-250-4128.
33. Manhole rings and covers and valve covers shall be a traffic bearing type designed for HS-20 loading and approved for use within NCDOT right of ways. All such appurtenances shall be installed flush to or below the surface of the ground in such a manner that they do not pose obstacles or obstructions to pedestrians, vehicles, equipment, or roadway maintenance operations .
34. Manholes/Valves should not be located in the pavement or shoulders of any State road. Exceptions may be made on roads at those locations where manholes/valves are essential parts of existing lines that are permitted to remain in place under existing and proposed roadways. Every effort should be made to minimize such installations and to avoid their locations in wheel paths or street intersections, insofar as practicable. Manholes should be designed and located in such a manner that will cause the least interference with roadway users, other utilities, and future highway expansion.
35. Where an installation is by open cut, the pavement shall be neatly sawed or cut perpendicular to the surface. The replacement base and surface shall extend a minimum of one foot beyond the excavated opening on each side and shall be equivalent to the original base and pavement or the design as stated in the encroachment agreement, whichever is greater. The minimum pavement design for pavements on secondary roads shall be:
 - Flowable fill to within 3" of finished grade
 - 3 inches Asphalt Surface Course – S9.5B
36. 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.
37. 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.

38. Notify the County Maintenance Engineer's office at (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)



NOTES:
 TRAFFIC CONTROL AND ROAD CLOSURE SHALL CONFORM TO NCDOT STANDARDS AND SPECIFICATION.
 ALL CONSTRUCTION WITHIN THE NCDOT RIGHT-OF-WAY SHALL CONFORM TO NCDOT STANDARDS AND SPECIFICATIONS.

NOVEMBER 2005

WILLIAMS POND PHASE 1 OFFSITE WATER MAIN
 TYPICAL OPEN CUT SECTION ACROSS BYNUM ROAD (SR 1713)

NOT TO SCALE