Colleton County, South Carolina (the “County”) requests bids from qualified licensed contractors to provide approximately 1500’ of new road construction, which will be an extension of the existing road located at 1497 Industrial Road, Walterboro, SC.

Subject to the terms, conditions, provisions, and the enclosed specifications, responses to this solicitation will be received at this office until the stated date and time. Responses received after the scheduled due date and time will be rejected. Bids must be submitted in a sealed package marked on the outside with the Offeror’s name, address, and the solicitation name and number.

This solicitation does not commit Colleton County to award a contract, to pay any costs incurred in the preparation of bids submitted, or to procure or contract for the services. The County reserves the right to accept or reject or cancel in part, or in its entirety offers received as a result of this request if deemed to be in the best interest of the County to do so.

Questions regarding this solicitation must be emailed to Jared Fralix, County Engineer at jfralix@colletoncounty.org no later than 12:00PM on Friday, December 20, 2013. Answers to all questions will be posted on the County website as addendums to this invitation for bid.

INSTRUCTIONS TO BIDDERS

1. Submittal must include one (1) original bid clearly marked as original, and four (4) complete copies of the Offeror’s bid along with a completed W-9 form. Responses must be in a sealed envelope/package containing the solicitation name and number.

The individual signing the response must be an Agent legally authorized to bind the company.

2. Show solicitation number on the outside of mailing package. Colleton County assumes no responsibility for unmarked or improperly marked envelopes.

3. It is the Offeror’s sole responsibility to insure that solicitation responses, amendments thereto or withdrawal requests are submitted by the scheduled due date and time.
4. Offeror must clearly mark as "Confidential" each part of their response, which they consider to be proprietary information that could be exempt from disclosure under Section 30-40(C) Code of Laws of South Carolina, 1976, Freedom of Information Act. Colleton County reserves the right to determine whether this information should be exempt from disclosure and legal action may not be brought against the County or its agents for its determination in this regard.

5. RESPONSE FORM: All responses shall be printed in ink or typewritten. If required, additional pages may be attached. Bids written in pencil will be disqualified.

A “No Response” qualifies as a response; however it is the responsibility of the Offeror to notify the Procurement Office if you receive solicitations that do not apply.

SPECIFIC TERMS AND CONDITIONS

1. COMPETITION: This solicitation is intended to promote full and open competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested vendor to notify the Procurement Office in writing no later than five (5) business days prior to the scheduled due date and time.

2. BIDDERS QUALIFICATION: The County reserves the right to request satisfactory evidence of their ability to furnish services in accordance with the terms and conditions listed herein. The County further reserves the right to make the final determination as to the Offerors ability to provide said services.

3. BID WITHDRAWAL: Any responses may be withdrawn prior to the established closing date and time, but not thereafter with proper approval from the Procurement Director.

4. REJECTION: Colleton County reserves the right to reject any and all bids, to cancel or withdraw this solicitation, and to waive any technicality if deemed to be in the best interest of the County.

5. WAIVER: The County reserves the right to waive any Instruction to Offerors, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the County.

6. RESPONSE PERIOD: All responses shall be good for a minimum period of 60 calendar days.

7. DEVIATIONS FROM SPECIFICATIONS: Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Unidentified deviations found during the evaluation of the response may be cause for rejection.
8. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager of Colleton County.

9. **DEFAULT:** In case of default by the Offeror, the County reserves the right to purchase any or all items in default in the open market, charging the Offeror with any excessive costs. Should such charge be assessed, no subsequent solicitation response of the defaulting Offeror will be considered in future bids until the assessed charge has been satisfied.

10. **NON-APPROPRIATION / SUBSTITUTION PERMITTED:** If the Colleton County Council fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract or if a lawful order issued in, or for any fiscal year during the term of the agreement, reduces the funds appropriated or authorized in such amounts as to preclude making the payments set out therein, the agreement shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to County. Following any such non-appropriation, the master lease agreement shall contain no limitation on the County’s ability to replace the equipment financed with any other equipment.

11. **INDEMNIFICATION:** Except for expenses or liabilities arising from the negligence of the County, the Offeror hereby expressly agrees to indemnify and hold the County harmless against any and all expenses and liabilities arising out of the performance or default of any resulting agreement or arising from or related to the Work as follows:
Offeror expressly agrees to the extent that there is a causal relationship between its negligence, action or inaction, or the negligence, action or inaction of any of its employees or any person, firm, or corporation directly or indirectly employed by the Offeror, and any damage, liability, injury, loss or expense (whether in connection with bodily injury or death or property damage or loss) that is suffered by the County and its employees or by any member of the public, to indemnify and save the County and its employees harmless against any and all liabilities, penalties, demands, claims, lawsuits, losses, damages, costs, and expenses arising out of the performance or default of any resulting agreement or arising from or related to the equipment. Such costs are to include defense, settlement and reasonable attorneys’ fees incurred by the County and its employees. This promise to indemnify shall include bodily injuries or death occurring to Offeror’s employees and any person, directly or indirectly employed by Offeror (including without limitation any employee of any subcontractor), the County’s employees, the employees of any other independent contractor, or occurring to any member of the public. When the County submits notice, Offeror shall promptly defend any aforementioned action.
The prescribed limits of insurance set forth herein shall not limit the extent of the Offeror’s responsibility under this Section. The terms and conditions contained in this Section shall survive the termination of any resulting agreement or the suspension of the Work hereunder.
Additionally the County will not provide indemnity to the successful bidder. Failure to comply with this section may result in your bid to be deemed non-responsive.

12. **FORCE MAJEURE:** The Offeror shall not be liable for any excess costs if the failure to perform the resulting agreement arises out of causes beyond the control and without fault or negligence of the Offeror. Such causes may include, but are not restricted to acts of God or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by default of a subcontractor, and if such default arises
out of causes beyond the control of both the Offeror and subcontractor and without excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the contractor to meet the required delivery schedule.

13. **ARBITRATION:** Under no circumstances and with no exception will Colleton County act as arbitrator between the Offeror and any sub-contractor.

14. **PUBLICITY RELEASES:** Offeror agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the County. The Offeror shall not have the right to include the County’s name in its published list of customers without prior approval of the County Administrator. With regard to news releases, only the name of the County, type and duration of any resulting agreement may be used and then only with prior approval of the County. The Offeror also agrees not to publish, or cite in any form, any comments or quotes from the County’s staff unless it is a direct quote from the Procurement Director.

15. **GOVERNING LAWS:** Any agreement arising from this solicitation shall be governed by the laws of the State of South Carolina and any and all disputes arising out of said agreement shall, if litigation is necessary, be litigated only in a Circuit Court for the Fourteenth Judicial Circuit sitting in Colleton County, South Carolina. The prevailing party shall be entitled to attorney’s fees and all costs of said litigation.

16. **ASSIGNMENT:** The Offeror shall not assign in whole or in part any agreement resulting from this Request for Bids without the prior written consent of the County. The Offeror shall not assign any money due or to become due to him under said agreement without the prior written consent of the County.

17. **AFFIRMATIVE ACTION:** The successful Offeror will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.

18. **CONTRACT AWARD:**
   A. This solicitation and submitted documents, when properly accepted by Colleton County shall constitute an agreement equally binding between the successful Offeror and the County. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting agreement. The County shall not be legally bound by any amendment or interpretation that is not fully executed by both parties in writing.
   B. The successful Offeror shall be required to execute a formal agreement with the County’s Procurement Office **within ten (10) business days after issuance of the Notice of Award.**

19. **PURCHASING CARD:** By submitting a bid, contractor agrees to accept payment by the Colleton County Purchasing Card for no extra charge. The Purchasing Card is issued by Visa. The purchasing card allows county agencies to make authorized purchases from a vendor, in conjunction with a purchase order.
20. **CONTRACT ADMINISTRATION:** Questions or problems arising after award of an agreement shall be directed to the Procurement Director by calling (843) 549-5716. Copies of all correspondence concerning this solicitation or resulting agreement shall be sent to the Procurement Office, 31 Klein Street, Room 215, Walterboro, SC 29488.

**SPECIFICATIONS**

It is the intent of Colleton County to accept bids from qualified licensed contractors to provide approximately 1500’ of new road construction to include associated drainage and site work. The new road will be an extension of the existing access road into the County’s Venture Park industrial site. The pavement section will include 8” of graded aggregate base and 2 – 2” lifts of Hot Mix Asphalt. The contractor will provide services in accordance with the specific terms and conditions, specifications, general conditions and drawings provided in this solicitation.

Thomas & Hutton Engineering (quality control engineers) shall secure all necessary approvals, permits, assessments, and changes required for the construction and installation of this project as applicable by local, state, and federal regulations. Bidder shall coordinate with Thomas & Hutton Engineering to ensure that permits are in place before work commences.

*Complete set of plans and specs will be available to purchase at the Mandatory pre-bid meeting, Thursday, December 12, 2013 for $85.00. Please make check payable to: Thomas & Hutton.*

The Contractor must be responsible and use utmost care in the protection of County property and adjacent properties, buildings, etc.; including all walkways, shrubbery, parked vehicles, and any other property in the area, from damage. Any damage, including damage to finished surfaces, resulting from the performance of this contract must be repaired to the County's satisfaction at the Contractor's expense.

The work site may be occupied during the times work is performed. Contractor and Contractor's personnel must exercise a particularly high level of discipline, safety and cooperation at all times while on the job site. The Contractor will be responsible for controlling employee conduct, for assuring that its employees are not boisterous or rude, and assuring that they are not engaging in any destruction or criminal activity.

**GENERAL CONDITIONS**

A) **Abandonment or Delay:** If the work to be done under this contract shall be abandoned or delayed by the Offeror, or if at any time the County shall be of the opinion and shall so certify in writing that work has been abandoned or delayed by the Offeror, the County may annul the contract or any part thereof if the Offeror fails to resolve the matter within thirty (30) days of written notice.

B) **Offeror's Cooperation:** The Offeror shall maintain regular communications with the County Engineer and shall actively cooperate in all matters pertaining to this contract.
C) Responsibility: The Offeror shall at all times observe and comply with all federal, state, local and municipal laws, ordinances, rules and regulations in any manner affecting the contract.

D) Hold Harmless: All respondents to this bid shall indemnify and hold harmless Colleton County Government and any of their officers and employees from all suits and claims alleged to be a result of this bid. The issuance of this bid constitutes only an invitation to present a proposal. Colleton County reserves the right to determine, at its sole discretion, whether any aspect of a respondent's submittal meets the criteria in this bid. Colleton County also reserves the right to seek clarifications, to negotiate with any vendor submitting a response, to reject any or all responses with or without cause, and to modify the procurement process and schedule.

In the event that this bid is withdrawn or the project canceled for any reason, Colleton County shall have no liability to any respondent for any costs or expenses incurred in connection with this bid or otherwise.

E) Colleton County Procurement Policy: The Bid is subject to the provisions of the Colleton County Procurement Ordinance and any revisions thereto, which are hereby incorporated into this bid in their entirety except as amended or superseded within.

F) Failure to Submit All Mandatory Forms: Failure to submit all the mandatory forms from this Bid package shall be just cause for the rejection of the qualification package. However, Colleton County reserves the right to decide, on a case by case basis, in its sole discretion, whether or not to reject such a bid as non-responsive.

G) Failure to Deliver Goods in Accordance with Terms & Conditions: In case of failure to deliver goods in accordance with the contract terms and conditions, Colleton County, after due oral or written notice, may procure substitute goods or services from other sources and hold the contractor responsible for any resulting additional purchasing and administrative costs. This remedy shall be in addition to any other remedies which Colleton County may have.

H) Debarment: By submitting a qualification package, the vendor is certifying that they are not currently debarred from bidding on any contracts by any agency or subdivision of the State of South Carolina, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency or subdivision of the State of South Carolina.

I) Termination of Contract

1. Subject to the Provisions below, the contract may be terminated by the Purchasing Department providing a thirty (30) days advance notice in writing is given to the offeror.
   a. Termination for Convenience: In the event that this contract is terminated or canceled upon request and for the convenience of the County without the required thirty (30) days advance written notice, then the County shall negotiate reasonable termination costs, if applicable.
   b. Termination for Cause: Termination by the County for cause, default or negligence on the part of the offeror shall be excluded from the foregoing provisions; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived and the default provision in this bid shall apply.
c. The County shall be obligated to reimburse the Offeror only for those services rendered prior to the date of notice of termination, less any liquidation damages that may be assessed for non-performance.

2. Non-Appropriations Clause: Notwithstanding any other provisions of the contract, if the funds anticipated for the continued fulfillment of this contract are at any time not forthcoming, through the failure of the County Government to appropriate funds, discontinuance or material alteration of the program under which funds were provided, the County shall have the right to terminate the contract without penalty by giving not less than thirty (30) days written notice documenting the lack of funding.

Unless otherwise agreed to by the County and the Offeror, the contract shall become null and void on the last day of the fiscal year for which appropriations were received.

J) Governing Laws: Any contract resulting from this bid shall be governed in all respects by the laws of the State of South Carolina and any litigation with respect thereto shall be brought in the courts of the State of South Carolina.

K) Bonds: Payment and Performance Bonds are required for this bid.

L) Liquated damages: Liquated damages is the agreed by the Contractor and Owner to reimburse the Owner for damages due to failure of the Contractor to complete the work in accord with the project requirements and Construction Schedule.

1. Should the Contractor neglect or refuse to achieve substantial completion on or before the day as agreed in the Construction schedule they, shall pay the owner liquated damages in the amount of: $200.00 per day for each and every calendar day that the work is not finally complete.

M) Type of contract: This bid is for the purpose of obtaining a Lump Sum contract price for services as described in the Scope of Work.

N) Insurance: Colleton will require the following remain in force at all times through the life of the contract:

Insurance requirements – Colleton will require the following remain in force at all times through the life of the contract:

- Professional Liability Insurance – Minimum $1,000,000.00  Proof of in force insurance must be provided in the response to the RFP
- Other insurances:
  - Workers’ Compensation - $100,000 – each accident
    - Statutory Coverage and Employer’s - $100,000 each employee
    - Liability - $500,000 – policy limit
  - Comprehensive General Liability -$1,000,000 – bodily injury each occurrence
    $1,000,000 – bodily injury aggregate
$1,000,000 – property damage each occurrence

$1,000,000 – property damage aggregate

- Products – Completed Operations - $1,000,000 – aggregate
- Business Auto Liability – Same as Comprehensive General Liability
- Excess or Umbrella Liability - $1,000,000

Colleton County will be named as an “additional insured” party

Other Conditions

- Anti-Collusion – Under no circumstances shall any prospective Firm, or any person or persons acting for or on behalf of any said prospective Firm, seek to influence or gain the support of any employee of Colleton County favorable to the interest of any prospective Firm or gain the support of any employee of Colleton County against the interest of any prospective Firm. Any such activities shall result in the exclusion of the prospective Firm from consideration by Colleton County.

- Drug Free Work Place – The Firm must have an established drug free workplace program in place.

- OSHA and other safety related requirements – Each Firm shall have an established safety policy to ensure all regulatory safety requirements are met on all field service activities. Colleton County reserves the right to request a copy of such plan.
The undersigned, having fully familiarized him/her with the information contained within this entire solicitation and applicable amendments, submits the attached response, and other applicable information to the County, which I verify to be true and correct to the best of my knowledge. I further certify that this response is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a response for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions set forth in this solicitation and certify that I have signature authority to bind the company listed herein.

MINORITY BUSINESS: Are you a minority business?
► Yes (___ Women-owned / ___ Disadvantaged) If yes, please submit a copy of your certificate with your response.
► No

Mailing Address
Printed Name

City, State, Zip
Title

Date
Telephone Number
Fax Number

REMITTANCE ADDRESS

Company Name
Authorized Signature (As registered with the IRS)

Address
E-Mail Address

City, State, Zip
Fax Number

Telephone Number
Toll Free Number

Federal Tax ID Number
Sales Tax Number

THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID
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**TOTAL OF BID** $ -

**Project Approach** – Please attach an outline and schedule for completing this project.

---

**Company Name**

**Authorized Signature**

**Address**

City, State, Zip

**Email Address**

Telephone Number

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**

Prepared by: Thomas Hutton
PROPOSED PLANS
FOR
ROAD EXTENSION
OF
VENTURE PARK ROAD
COLLETON COUNTY, SOUTH CAROLINA

INDEX OF SHEETS

<table>
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<tr>
<td>9-10</td>
<td>ROAD PLAN AND PROFILE</td>
<td>2</td>
</tr>
<tr>
<td>11</td>
<td>ROAD CROSS-SECTION</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>DRAINAGE PROFILES</td>
<td>1</td>
</tr>
<tr>
<td>13-15</td>
<td>DETAILS</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>15</strong></td>
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3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811
PALMETTO UTILITY PROTECTION SERVICES, INC. (PUPS)
ALL UTILITIES MAY NOT BE A MEMBER OF PUPS.

RAILROAD INVOLVEMENT? YES / NO

LOCATION MAP
SCALE 1" = 2000'

3DAYSBEFOREDIGGINGINSOUTHCAROLINA
CALL811
PALMETTOUTILITYPROTECTIONSERVICES,INC.(PUPS)
ALLUTILITIESMAYNOTBEMEMBEROFPUPS.
NOTE:
1. UNLESS SPECIFIED ELSEWHERE AND APPROVED IN WRITING BY THE ENGINEER.
2. ADDITIONAL ITEMS THAT MAY BE REQUIRED TO COMPLETE THE WORK.
3. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING DIGGING OPERATIONS. IF UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
4. CONTRACTOR SHALL TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM EXPOSED SOIL. MUD/SOIL MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER.
5. CONTRACTOR SHALL GRADE AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
6. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL EXISTING UTILITIES. THE LOCATIONS OF EXISTING UTILITIES SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. THE LOCATION OF ALL KNOWN AND UNKNOWN UTILITIES SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK.
7. ANY SIDEWALKS AND PAVEMENT DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEHIND Bearing WALLS OR WALLS CONSTRUCTED prior TO RECEIVING FINAL APPROVAL.
8. CONTRACTOR SH-SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING DIGGING OPERATIONS. IF UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
9. ANY SIDEWALKS AND PAVEMENT DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED.
10. CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL EXISTING UTILITIES. THE LOCATIONS OF EXISTING UTILITIES SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK. THE LOCATION OF ALL KNOWN AND UNKNOWN UTILITIES SHALL BE INVESTIGATED AND VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE STARTING WORK.
I. SITE DESCRIPTION

A. Project Location: Located within the City of Ireland, Colleton County, South Carolina.

B. Site Specific Information:

1. Flat Topography
2. Soils: Sandy loam
3. Slopes: Maximum slope of 4:1

II. CONTROL MEASURES

A. Function of Construction

1. To construct a storm water detention pond
2. To construct a road extension

B. General Construction Activity

1. Construction of Roads
2. Construction of Utilities

C. Recommended Environmental Measures

1. Minimize construction delays
2. Implement erosion control measures
3. Use temporary sedimentation basins
4. Temporarily stabilize areas

D. Construction Site Specific Information:

1. Temporary Silt Fence
2. Silvicultural Practices

III. MAINTENANCE

A. Maintenance Program

1. MAINTENANCE OF DRAINAGE
2. MAINTENANCE OF ROADS
3. MAINTENANCE OF UTILITIES

B. Water Quality

1. Prevent erosion and sedimentation
2. Ensure water quality standards are met

C. Maintenance Program

1. Temporary Sedimentation Basins
2. Permanent Stabilization

D. Permanent Stabilization

1. Maintenance of Disturbed Areas
2. Vegetation Management

IV. INSPECTIONS

A. Pre-Construction Inspections

1. Inspections must be conducted before construction begins
2. Inspections must be conducted at least once per week

B. Construction Inspections

1. Inspections must be conducted at least once per day
2. Inspections must be conducted at least once per week

C. Post-Construction Inspections

1. Inspections must be conducted before the next storm event
2. Inspections must be conducted at least once per month

D. Inspections

1. Inspections must be conducted at least once per month
2. Inspections must be conducted at least once per week

V. LONG-TERM MAINTENANCE OF DRAINAGE AND STORM WATER MANAGEMENT SYSTEM

A. Long-Term Maintenance

1. Maintenance of drainage systems
2. Maintenance of storm water management systems

B. Vegetation Management

1. Management of vegetation
2. Management of vegetation impacts

C. Maintenance Program

1. Maintenance of drainage systems
2. Maintenance of storm water management systems

D. Inspections

1. Inspections must be conducted at least once per month
2. Inspections must be conducted at least once per week

VI. SCS DESIGN STANDARDS NOTES

A. Design Standards

1. Standards must be met
2. Standards must be met

B. Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted

C. Design Standards

1. Standards must be met
2. Standards must be met

D. Long-Term Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted

VII. HOUSEKEEPING

A. Site Housekeeping

1. Site must be kept clean
2. Site must be kept clean

B. On-Site Housekeeping

1. On-site housekeeping must be maintained
2. On-site housekeeping must be maintained

C. Off-Site Housekeeping

1. Off-site housekeeping must be maintained
2. Off-site housekeeping must be maintained

D. Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted

VIII. TARGET dates

A. Target Dates

1. Dates must be met
2. Dates must be met

B. On-Site Dates

1. On-site dates must be met
2. On-site dates must be met

C. Off-Site Dates

1. Off-site dates must be met
2. Off-site dates must be met

D. Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted

IX. PERMITS

A. Permits

1. Permits must be obtained
2. Permits must be obtained

B. On-Site Permits

1. On-site permits must be obtained
2. On-site permits must be obtained

C. Off-Site Permits

1. Off-site permits must be obtained
2. Off-site permits must be obtained

D. Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted

X. FERTILIZER REQUIREMENTS

A. Fertilizer Requirements

1. Fertilizer must be used
2. Fertilizer must be used

B. On-Site Fertilizer

1. On-site fertilizer must be used
2. On-site fertilizer must be used

C. Off-Site Fertilizer

1. Off-site fertilizer must be used
2. Off-site fertilizer must be used

D. Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted

XI. SWMP PROGRAM CERTIFICATION

A. Program Certification

1. Certification must be obtained
2. Certification must be obtained

B. On-Site Program

1. On-site program must be certified
2. On-site program must be certified

C. Off-Site Program

1. Off-site program must be certified
2. Off-site program must be certified

D. Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted

XII. GENERAL NOTES

A. General Notes

1. Notes must be included
2. Notes must be included

B. On-Site General

1. On-site general notes must be included
2. On-site general notes must be included

C. Off-Site General

1. Off-site general notes must be included
2. Off-site general notes must be included

D. Maintenance

1. Maintenance must be conducted
2. Maintenance must be conducted
**WELL DRAINED, CLAYEY/LOAMEY SITES**

- **SPECIES**
  - CLOVER, CRIMSON (ANNUAL)
  - KOBE LESPEDEZA (ANNUAL)
  - WEPPING LOVEGRASS
  - SERICEA LESPEDEZA
  - BROWNTOP MILLET
  - BERMUDA, COMMON
  - JAPANESE MILLET
  - ATLANTIC COASTAL
  - LITTLE BLUESTEM

**NOTES:**

1. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER
2. IF GRASSING OCCURS DURING A MONTH REQUIRING TEMPORARY COVER, THE CONTRACTOR SHALL APPLY PERMANENT COVER (IN ADDITION TO THE TEMPORARY COVER) AT THE APPROPRIATE TIME AT NO ADDITIONAL COST. THE CONTRACTOR MUST ACHIEVE A STRAND OF PERMANENT GRASS WITH AT LEAST 95% COVER. BARE SPOTS CAN NOT BE MORE THAN 1 INCH SQUARE IN ANY 10 SF.
3. ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED.
COMPACTED FILTER FABRIC

SPECIFICATIONS:

The area to grade, and stabilize it. After the contributing drainage area has been properly stabilized, do not splice the fabric, but use a continuous piece across the basin. Zip ties, wire, or staples. The weave. Attach fabric to a rope and a support structure with the top wire. The fabric should have five to ten percent openings in measure to prevent sagging.

Install at least three rows of baffles between the inlet and a maximum of 4 feet apart, and installed up the sides of the basin as steel posts should be driven to a depth of 24 inches, spaced no more than 12 feet, with a minimum of 2 feet. Install a culvert pipe across the entrance when needed to provide positive drainage.

Install a non-woven geotextile fabric prior to placing any stone. Important considerations:

Remove all vegetation and any objectionable material from the foundation area. The edges of the entrance shall be tapered out towards the road to prevent tracking of mud at the edge of the entrance. If washing is used, provisions must be made to intercept the wash water and trap the sediment before it is carried off-site.

When and where to use it:

With crushed gravel and drain into a sediment trap or sediment basin. Washdown facilities shall be required as directed by SCDHEC as needed. Washdown areas in general must be established.

Inspection and maintenance:

Immediately remove mud and sediment tracked or washed onto public roads by brushing or sweeping. Repair any broken pavement immediately. Flushing should only be used when the water can be discharged to a sediment trap or basin. Frequent washing will extend the useful life of stone. To reduce mud being carried off-site by vehicles.

Sediment from the site or stabilize it on site. Remove silt fence within 30 days after final stabilization is achieved or immediately after temporary Best Management Practices (BMPS) are no longer needed. Permanently stabilize disturbed areas resulting from fence removal. Check for sediment buildup and fence integrity. Check where runoff has eroded a channel beneath the fence. Check the soil plates should have the following characteristics:

- Steel posts
  - Composed of high strength steel with minimum yield strength of 50,000 PSI.
  - Have a standard "T" section with a nominal face width of 1.38-inches and nominal "T" length of 1.48-inches.

Materials:

- Soil plates
  - Have a minimum cross section area of 17-square inches.
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- Steel posts
  - For steel posts
    - Be sized to suit the load and resist eccentricity.
    - Be supported by a strong foundation.
    - Be driven into the ground to a depth of at least 2 feet.

- Posts to a minimum depth of 24-inches. Install posts a minimum of 1- to 2- inches above the fabric, with no more than 3 feet of the post above the ground. Space posts to maximum 6-feet centers. Attach fabric to wood posts using staples made for ground use.

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SEDIMENT TUBE LENGTH SELECTED SHOULD IN NO SITUATIONS SHOULD SEDIMENT TUBES BE STACKED ON TOP OF ONE ANOTHER. INSTALL OVER BARE SOIL, MULCHED AREAS OR EROSION CONTROL BLANKETS. INSTALLATION:

IF THE DITCH CHECK LENGTH (PERPENDICULAR TO THE WATER FLOW) IS 15 FEET, THEN ONE 15 FOOT SEDIMENT TUBE IS PREFERRED COMPARED PLACED ON BOTH SIDES OF THE DAMAGED AREA TERMINATING THE TUBE SEGMENT AND A NEW TUBE SEGMENT SHOULD BE INSTALLED. LESS THAN 1 FOOT OF STAKE EXPOSED ABOVE THE SEDIMENT TUBE. ALWAYS REFER TO THE MANUFACTURER’S RECOMMENDATIONS FOR THE STAKING.

UTILIZES OUTER NETTING THAT CONSISTS OF SEAMLESS, HIGH-DENSITY POLYETHYLENE PHOTODEGRADABLE MATERIALS TREATED WITH ULTRAVIOLET, ENCLOSED BY A FLEXIBLE NETTING MATERIAL. PRODUCED BY A MANUFACTURER EXPERIENCED IN SEDIMENT TUBE MANUFACTURING.

MATERIALS:

ENERGY DISSIPATION AND RETAIN SEDIMENT.

DESCRIPTION:

DEVELOPED AND CAN SURVIVE ON THEIR OWN.

SEDIMENT TUBES ARE ELONGATED TUBES OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBER OR HARDWOOD MULCH. STRAW, STRAW FIBER, STRAW BALES, PINE NEEDLES AND LEAF MULCH ARE NOT ALLOWED.

WHEN AND WHERE TO USE IT:

TO TWO OVERLAPPING 10 FOOT SEDIMENT TUBES. AVOID DAMAGE TO SEDIMENT TUBES WHILE INSTALLING THEM. IF THE SEDIMENT TUBE BECOMES DAMAGED DURING INSTALLATION, A STAKE SHOULD BE CURLED EXCELSIOR WOOD, OR NATURAL COCONUT ROLLED EROSION CONTROL PRODUCTS (RECPS) THAT ARE ROLLED UP TO CREATE A SEDIMENT TUBE ARE COMPOSED OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBERS, HARDWOOD MULCH OR A MIX OF THESE MATERIALS. WHEN AND WHERE TO USE IT:

THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE LAPPED 6-INCH TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT.

THE MINIMUM DIAMETER SHOULD BE 18 INCHES.

THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE LAPPED 6-INCH TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT.

THE MINIMUM DIAMETER SHOULD BE 18 INCHES.

SEDIMENT TUBE SPACING MAXIMUM SEDIMENT TUBE SPACING

100-FEET

25-FEET

30-FEET

40-FEET

50-FEET

75-FEET

VOLUME (CF) *

REQUIRED 6-INCH LOW FLOW ORIFICE

REQUIRED 6-INCH LOW FLOW ORIFICE

REQUIRED 6-INCH LOW FLOW ORIFICE

REQUIRED 6-INCH LOW FLOW ORIFICE

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