

CONTRACTOR TO INSTALL ROOF DRAINS AROUND BUILDING AND EXTEND TO OUTLET AT 2% MINIMUM. COORDINATE DOWNSPOUT LOCATIONS WITH ARCHITECT.

MAINTENANCE NOTES:

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED AND MAINTAINED DAILY AND AFTER EACH RAINFALL GREATER THAN 0.5 INCHES. ANY SEDIMENT THAT HAS BEEN TRANSPORTED BEYOND THE PROJECT LIMITS SHALL BE REMOVED. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

CONSTRUCTION ENTRANCE:
INSPECT CONSTRUCTION ROADS AND PARKING AREAS PERIODICALLY FOR CONDITION OF SURFACE. TOP DRESS WITH NEW GRAVEL, AS NEEDED. CHECK ROAD DITCHES AND OTHER SEEDING AREAS FOR EROSION AND SEDIMENTATION AFTER RUNOFF-PRODUCING RAINS. MAINTAIN ALL VEGETATION IN A HEALTHY, VIGOROUS CONDITION. SEDIMENT PRODUCING AREAS SHOULD BE TREATED IMMEDIATELY.

SILT FENCE:
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO PROPER GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SILT FENCE GRAVEL OUTLET:
INSPECT SEDIMENT FENCE GRAVEL OUTLETS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN. ANY RIP-RAP DISPLACED MUST BE REPLACED IMMEDIATELY.

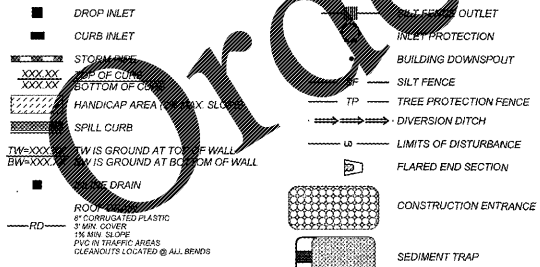
OUTLET STABILIZATION STRUCTURE:
INSPECT RIP-RAP STRUCTURES WEEKLY AND AFTER SIGNIFICANT (0.5 INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP-RAP HAS TAKEN PLACE. OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

BLOCK AND GRAVEL INLET PROTECTION:
INSTALL SILT FENCE GRAVEL OUTLETS AT ALL LOW POINTS IN VENECE. INSPECT THE BARBERS OF AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY. BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.

DIVERSION DITCHES:
INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION ROUGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE IT.

24 HOUR CONTACT
JEREMY REAVES
CONSTRUCTION MANAGER
TELEPHONE: (336) 215-7025

GRADING/EROSION CONTROL LEGEND



15A NCAC 04B.0131 SELF-INSPECTIONS

Where inspections are required by G.S. 113A-54.1(e), the following apply:

- (1) The person who performs the inspection shall make a record of the site inspection by documenting the following items:
 - (a) All of the erosion and sedimentation control measures, practices and devices, as called for in a construction plan consistent with the approved erosion and sedimentation control plan, including but not limited to sedimentation control basins, sedimentation traps, sedimentation basins, rock dams, temporary diversions, temporary slope drains, rock check dams, sediment traps or barriers, all forms of inlet protection, storm drainage facilities, energy dissipaters, and stabilization methods of open channels, have initially been installed and do not significantly deviate (as defined in Sub-item (1)(c) of this Rule) from the locations, dimensions and relative elevations shown on the approved erosion and sedimentation plan. Such documentation shall be accomplished by initiating and dating each measure or practice shown on a copy of the approved erosion and sedimentation control plan or by completing, dating and signing an inspection report that lists each measure, practice or device shown on the approved erosion and sedimentation control plan. This documentation is required only upon the initial installation of the erosion and sedimentation control measures, practices and devices as set forth by the approved erosion and sedimentation control plan or if the measures, practices and devices are modified after initial installation;
 - (b) the completion of any phase of grading for all graded slopes and fills shown on the approved erosion and sedimentation control plan, specifically noting the location and condition of the graded slopes and fills. Such documentation shall be accomplished by initiating and dating a copy of the approved erosion and sedimentation control plan or by completing, dating and signing an inspection report;
 - (c) the location of temporary or permanent ground cover, and that the installation of the ground cover does not significantly deviate (as defined in Sub-item (1)(c) of this Rule) from the approved erosion and sedimentation control plan. Such documentation shall be accomplished by initiating and dating a copy of the approved erosion and sedimentation control plan or by completing, dating and signing an inspection report;
 - (d) that maintenance and repair requirements for all temporary and permanent erosion and sedimentation control measures, practices and devices have been performed. Such documentation shall be accomplished by completing, dating and signing an inspection report (the general storm water permit monitoring form may be used to verify the maintenance and repair requirements); and
 - (e) any significant deviations from the approved erosion and sedimentation control plan, corrective actions required to correct the deviation and completion of the corrective actions. Such documentation shall be accomplished by initiating and dating a copy of the approved erosion and sedimentation control plan or by completing, dating and signing an inspection report. A significant deviation means an omission, alteration or relocation of an erosion or sedimentation control measure that prevents the measure from performing as intended.

15A NCAC 04B.0131 SELF-INSPECTIONS

(CONT.)

- (2) The documentation, whether on a copy of the approved erosion and sedimentation control plan or an inspection report, shall include the name, address, affiliation, telephone number, and signature of the person conducting the inspection and the date of the inspection. Any relevant licenses and certifications may also be included. Any documentation of inspections that occur on a copy of the approved erosion and sedimentation control plan shall occur on a single copy of the plan and that plan shall be made available on the site. Any inspection reports shall also be made available on the site.
- (3) The inspection shall be performed during or after each of the following phases of a plan:
 - (a) installation of perimeter erosion and sediment control measures;
 - (b) clearing and grubbing of existing ground cover;
 - (c) completion of any phase of grading of slopes or fills that requires provision of temporary or permanent ground cover pursuant to G.S. 113A-57(2);
 - (d) completion of storm drainage facilities;
 - (e) completion of construction or development; and
 - (f) quarterly until the establishment of permanent ground cover sufficient to restrain erosion or until the financially responsible party has conveyed ownership or control of the tract of land for which the erosion and sedimentation control plan has been approved and the agency that approved the plan has been notified. If the financially responsible party has conveyed ownership or control of the tract of land for which the erosion and sedimentation control plan has been approved, the new owner or person in control shall conduct and document inspections quarterly until the establishment of permanent ground cover sufficient to restrain erosion.

History Note: Authority G.S. 113A-54, 113A-54.1(e); Eff. October 1, 2010.

CONSTRUCTION SEQUENCE:

1. OBTAIN A LAND DISTURBING PERMIT. SCHEDULE A PRE-CONSTRUCTION MEETING.
2. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT TRAPS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION. SEE DETAIL ON SEEDING SCHEDULE. CONTRACTOR SHALL BEGIN WITH SEDIMENT FENCING AND ALL OTHER SEDIMENT CONTAINMENT DEVICES FOLLOWED BY ALL DIVERSION AND BY-PASS DITCHES AND BERMS.
3. BEGIN CLEARING/GRUBBING AND GENERAL EXCAVATION ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PHASE/STAGE EROSION CONTROL FOR CONSTRUCTION. NOTE: CONTRACTOR SHALL INSPECT AND REPAIR ALL EROSION DEVIATIONS AT LEAST ONCE A WEEK AND AFTER EVERY RAINFALL. GRADING ACTIVITIES SHALL BE FRUITFUL IN AREAS OF THE SEDIMENT CONTROL DEVICES/SEDIMENT TRAPS UNTIL THE AREAS UPSTREAM OF THESE DEVICES HAVE BEEN PROPERLY STABILIZED AND APPROVED.
4. BEGIN INSTALLING UPSTREAM STORM DRAINAGE SYSTEM. SHALL APPROVED INLET PROTECTION. TERMINATE STORM DRAINAGE SYSTEM AT TEMPORARY SEDIMENT TRAP DEVICES UNTIL SUCH DEVICES HAVE BEEN APPROVED FOR REMOVAL. ADDITIONAL MEASURES MAY BE REQUIRED BY THE CONTRACTOR DUE TO THE ROUTING OF THE STORM DRAINAGE SYSTEM AND ACTUAL FIELD CONDITIONS. NOTE: SEDIMENT TRAPS SHALL BE FUNCTIONAL THROUGHOUT GRADING AND EXCAVATING.
5. STABILIZE SLOPE AREAS BROUGHT UP TO FINISH GRADE WITH VEGETATION, MULCH, DITCHINGS, ETC. SEED AND MULCH DENuded AREAS WITHIN FIFTEEN (15) MINUTE DISTANCE OF ANY PHASE OF CONSTRUCTION. NOTE: EROSION CONTROL DEVICES REMAIN UNDER CONSTRUCTION OF THE BUILDING PADS AND ASSOCIATED PARKING DRIVE AREAS ADJACENT TO THESE DEVICES UNTIL THE CONTRIBUTING UPSTREAM AREAS HAVE BEEN STABILIZED AND APPROVED.
6. WHEN SITES APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCING, SEDIMENT TRAPS, ETC. AND SEED OR PAVE ANY RESULTING BARE AREAS. CONNECT TO NEAREST STORM DRAINAGE.

GRADING/EROSION CONTROL NOTES

1. ALL GRADING, BACKFILLING, EXCAVATION, ETC., SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL INVESTIGATION REPORTS. REFER TO THESE REPORTS FOR ADDITIONAL INFORMATION NOT TRANSFERRED TO THESE PLANS.
2. CONTRACTOR IS TO CONTACT NORTH CAROLINA "ONE CALL" AT 800-632-4949 FOR UNDERGROUND UTILITY LOCATION 48 HOURS PRIOR TO ANY DIGGING.
3. THE EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO ANY EARTHWORK.
4. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
5. ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED AND REPAIRED AT A MINIMUM OF WEEKLY BASIS AND AFTER EVERY RAIN EVENT.
6. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM.
7. CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
8. PURSUANT TO G.S. 113A-57(2), THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LEFT EXPOSED WILL, WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. PURSUANT TO G.S. 113A-57(3), PROVISIONS FOR PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION MUST BE ACCOMPLISHED FOR ALL DISTURBED AREAS WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
9. ALL OUT AND FILL SLOPES AND CHANNEL SIDESLOPES WHICH ARE NOT TO BE PAVED, SHALL BE SEEDING UNTIL A GOOD STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH:
 - A. 100 LBS PER 1,000 SQUARE FOOT GROUND LIMESTONE OR EQUIVALENT. NO SOIL TEST REQUIRED FOR INITIAL ESTABLISHMENT.
 - B. 20 LBS OF 10-10-10 FERTILIZER OR EQUIVALENT PER 1,000 SQUARE FOOT.
 - C. VARIETIES TO BE SEED:
 1. SPRING SEEDING - MARCH 1 - APRIL 30; SPRING OATS 2.5 LBS PER 1,000 SQUARE FOOT.
 2. SUMMER SEEDING - MAY 1 - AUGUST 1; WEEPING LOVE GRASS AT 2 OZ. PER SQUARE FOOT MIXED WITH 1 BUSHEL OF SAWDUST FOR UNIFORM SEEDING.
 3. ASPHALT MULCH 6 GALLONS PER 1,000 SQUARE FOOT. ALL SEEDING WILL BE MULCHED.
 10. SEE LANDSCAPE PLAN FOR PERMANENT SEEDING.
 11. ALL FINISHED FINISHED SURFACES SHOULD SLOPE AWAY FROM BUILDING, TOWARDS DRAINAGE OUTLETS FOR POSITIVE DRAINAGE AND TO AVOID STANDING WATER.

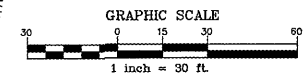
TEMPORARY SEEDING IN NORTH CAROLINA

SEASON	SEEDING MIXTURE SPECIES	RATE (lb/acre)
LATE WINTER & EARLY SPRING	RYE (GRAIN) ANNUAL LESPEDEZA (KOBE) IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS	120
SUMMER	GERMAN MILLET OMY ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUNDGRASS	50
FALL	RYE (GRAIN) IS NOT TO EXCEED BEYOND JUNE MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE.	120
LATE WINTER & EARLY SPRING	SEEDING DATES: MOUNTAINS - ABOVE 2500 FT. FEB. 15 - MAY 15 PIEDMONT - JAN. 1 - MAY 1 COASTAL PLAIN - DEC. 1 - APR. 15	
SUMMER	MOUNTAINS - MAY 15 - AUG. 15 PIEDMONT - MAY 1 - AUG. 15 COASTAL PLAIN - APR. 15 - AUG. 15	
FALL	MOUNTAINS - AUG. 15 - DEC. 15 COASTAL PLAIN AND PIEDMONT - AUG. 15 - DEC. 30	

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LBS/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LBS/ACRE 10-10-10 FERTILIZER

MULCH
APPLY 4,000 LBS/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERITIZE IF GRASS IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.



NO.	DATE	DESCRIPTION
1	06-23-2016	REVISED PER LAYOUT
2	07-18-2016	REVISED CITY COMMENT

COMMERCIAL SITE DESIGN

802 CEDARWOOD ROAD
RALEIGH, NORTH CAROLINA 27605
(919) 848-4301 FAX: (919) 848-8761
WWW.CSDESIGN.COM

CLIENT:
COOK OUT
15 LAURA LANE, SUITE 300
THOMASVILLE, NC 27380
TELEPHONE: (336) 215-7025
FAX: (336) 474-1849

COOKOUT FRESH HAMBURGERS

2546 CHIMNEY ROCK ROAD
HENDERSONVILLE, NORTH CAROLINA

GRADING/EROSION CONTROL PLAN

PROJECT NO. OUT-1615
FILENAME: OUT1615-GP
DRAWN BY: DFS
SCALE: 1" = 30'
DATE: 03-16-16
SHEET NO. C-3

