1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BEINITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE CALENDAR EVERY WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72-300 ET SEQ. AND SCR100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE;
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
- WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE MPLEMENTED AS SOON AS REASONABLY POSSIBLE.
19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

STANDARD NOTES - EROSION CONTROL

1. CONTACT THE SEDIMENT CONTROL OFFICER NOT LESS THAN FORTY EIGHT (48) HOURS BEFORE COMMENCEMENT OF THE LAND DISTURBING ACTIVITY. THE DEVELOPER SHALL ALSO CONTACT THE COUNTY AFTER THE REMOVAL OF THE TEMPORARY SEDIMENT CONTROL MEASURES.
2. BEGIN INSTALLATION OF INTERIM EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT MEASURES WITHIN FORTY EIGHT (48) HOURS OF THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES.
3. THE DEVELOPER ENGAGED IN OR CONDUCTING THE LAND DISTURBING ACTIVITY SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AND FACILITIES DURING THE DEVELOPMENT OF A SITE AS REQUIRED BY THE APPROVED PLAN OR ANY PROVISION OF THE ORDINANCE. OPERATIONS AND MAINTENANCE CONDITIONS SHALL BE INCLUDED IN THE PLAN OUTLINING HOW THE DEVELOPER INTENDS TO PROVIDE FOR OPERATIONS AND MAINTENANCE DURING CONSTRUCTION.
4. WITHIN SEVEN CALENDAR DAYS FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, ALL PERIMETER SEDIMENT CONTROLS SHALL BE INSTALLED AND TEMPORARY STABILIZATION MEASURES SHALL BE COMPLETED ON TOPSOIL STOCKPILES.
5. AREAS AT FINAL GRADE SHALL RECEIVE PERMANENT STABILIZATION MEASURES WITHIN SEVEN CALENDAR DAYS OF REACHING FINAL GRADE.
6. THE RESPONSIBILITY FOR MAINTAINING ALL PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AND FACILITIES AFTER SITE LAND DISTURBING ACTIVITY IS COMPLETED SHALL LIE WITH THE LANDOWNER OR PERSON IN POSSESSION OR CONTROL, EXCEPT FACILITIES AND MEASURES INSTALLED WITHIN ROAD OR STREET RIGHT OF WAYS OR EASEMENTS ACCEPTED FOR MAINTENANCE BY YORK COUNTY.
7. APPROVED PLANS REMAIN VALID FOR FIVE YEARS FROM THE DATE OF APPROVAL.
8. CONTRACTOR TO INSTALL TEMPORARY CHECK DAMS WHEN TEMPORARY SWALES EXCEED 5% IN SLOPE.
9. SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING.
10. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS AND AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (.5) INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
11. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY IS INSTALLED.
12. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
13. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS REQUIRED.
14. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN MEETING SECTION R.72-307 OF THE STORMWATER MANAGEMENT & SEDIMENT REDUCTION ACT.
15. ALL STOCKPILES SHALL BE SURROUNDED BY SILT FENCE TO CONTAIN THE STOCKPILED MATERIAL. STOCKPILED MATERIAL SHALL BE REMOVED AND/OR STABILIZED BEFORE THE SITE IS RELEASED FOR FINAL APPROVAL. WITHIN SEVEN CALENDAR DAYS, TEMPORARY STABILIZATION MEASURES SHALL BE COMPLETED ON TOPSOIL STOCKPILES. THE BURIAL OF ANY CELLULOSE DEBRIS WILL NEED TO BE PLATTED. THE REMOVAL OF SOIL OR WASTE FROM THE PROPOSED SITE WILL NEED TO BE TAKEN TO A PERMITTED LANDFILL OR ANOTHER PERMITTED SITE WITH A VALID LAND DISTURBANCE PERMIT. THE ASSOCIATED SITE WOULD ALSO BE REQUIRED TO PROVIDE THE APPROPRIATE EROSION AND SEDIMENT CONTROL NECESSARY TO RETAIN SEDIMENT ON SITE (WITHIN THE LIMITS OF DISTURBANCE PERMITTED).
16. NO OFFSITE MATERIAL, WASTE, BORROW OR CONSTRUCTION EQUIPMENT STORAGE AREAS ARE PROPOSED.

ADDITIONAL NOTES - EROSION CONTROL

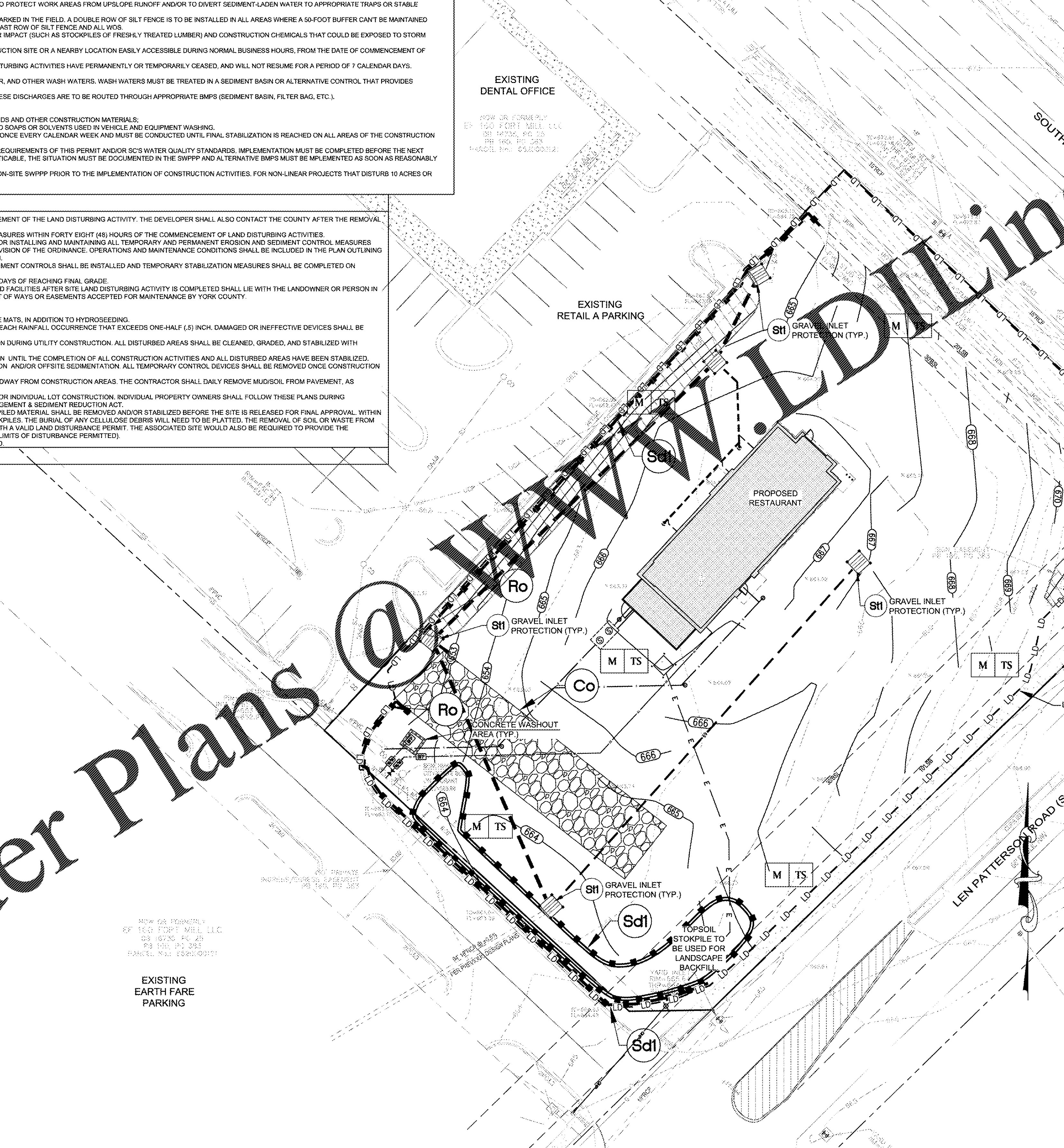
STANDARD STRUCTURAL PRACTICES

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		A crushed stone pad located at the construction exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER		A barrier to prevent sediment from leaving the construction site. The barrier must be silt fence. The barriers are usually temporary and inexpensive.
Sd2	SEDIMENT TRAP, TEMPORARY		A small temporary ponding basin formed by an embankment of excavation to capture sediment.
Dn1	SLOPE DRAIN		A sectional conduit, pipe or similar material, temporary, designed to safely conduct surface run-off down a slope.
St1	TEMP. FABRIC DROP INLET PROTECTION		Temporary fabric barrier placed around a drop inlet.
St2	OUTLET STABILIZATION STRUCTURE		A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
M	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	M	Establishing temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
TS	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	TS	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
PS	DISTURBED AREA STABILIZATION (WITH SOD ONLY)	PS	Establishing permanent vegetative cover such as trees, shrubs, vines, sod, grasses or legumes on disturbed areas.
Tdi	TEMPORARY DIVERSION DITCH	TD	construct temporary ditch to direct runoff to prevent erosion
Ro	SILT FENCE ROCK OUTLET	Ro	Stone filter berm outlet located at the low point of the silt fence row

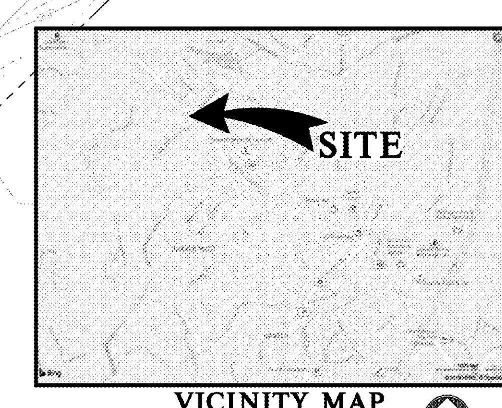
1. PROVIDE CONSTRUCTION STAKEOUT TO INDICATE WORK LIMITS.
2. MAINTAIN CONSTRUCTION ENTRANCE AND PERIMETER CONTROLS (e.g., silt fence, inlet protection, diversion ditches etc.)
4. ROUGH GRADE.
5. INSTALL STORM DRAIN AND UTILITY INFRASTRUCTURE AND START BUILDING CONSTRUCTION.
6. INSTALL INLET PROTECTION AND OTHER CONTROL MEASURES SHOWN ON THIS PLAN.
7. ADHERE TO CONCRETE WASHOUT DETAILS UNTIL CONSTRUCTION OPERATIONS ARE COMPLETE.
8. PROCEED TO NEXT EROSION CONTROL PHASE.

CONSTRUCTION SEQUENCE

AREA TO INSTALL SLOPE STABILIZATION/EROSION CONTROL MATTING (CLASS A) ON ALL 3:1 SLOPES AND STEEPER (TYP.) SEE DETAIL SHEET C.5.



Order Plans @ www.LDILine.com



VICINITY MAP
SCALE: NTS

MDV Engineering
C/O Ayer Design Group
215 Johnston Street
Rock Hill, SC 29730
Phone: 704-400-1044 Email:michael@mdveng.com

SOUTH CAROLINA MDV ENGINEERING, LLC. No. C04273 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER SEAL No. 021590 8-2-19 MICHAEL D. NEWMAN

PROJECT

Arby's

RESTAURANT with DRIVE-THRU
2385 LEN PATTERSON RD
FORT MILL, SC 29708
(YORK COUNTY)

FOR

BRG Brumit Restaurant Group

BRUMIT RESTAURANT GROUP, LLC
P.O. BOX 15726
ASHEVILLE, NC 28813
PH: 828.274.5835

REVISIONS

DWG. NAME : 2019-111
DRAWN BY : MDN
DATE. : 8.2.19
SCALE: 1:20

EROSION CONTROL PHASE 2 PLAN

C.3