

SCDHEC STANDARD NOTES:

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 BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, 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 OULETS.
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 FEASIBLE. IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED 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.

DEWATERING NOTES:

1. THE DESIGN, ADEQUACY AND OPERATION OF ANY AND ALL DEWATERING ACTIVITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTIES, RIGHTS OF WAYS, NATURAL AREAS AND EXISTING UTILITY SYSTEMS FROM EROSION AND SEDIMENTATION ASSOCIATED WITH DEWATERING ACTIVITIES.
3. DEWATERING OF EXISTING PONDS OR LARGE PONDING AREAS SHALL ALWAYS UTILIZE A FLOATING INTAKE.
4. DEWATERING DISCHARGES SHALL ALWAYS BE DIRECTED THROUGH SUITABLE BEST MANAGEMENT PRACTICES (BMP) SUCH AS A TEMPORARY SEDIMENT POND/TRAP OR SEDIMENT TRAPPING WATER BAG.
5. ALL DEWATERING ACTIVITIES SHOULD BE IN ACCORDANCE WITH THE SCDHEC CGP.

SCDHEC POST-CONSTRUCTION MAINTENANCE REQUIREMENTS

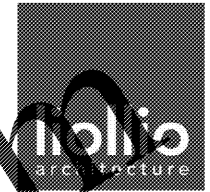
SYSTEM	MAINTENANCE REQUIREMENTS	MAINTENANCE FREQUENCY
A. VEGETATED AREAS	1. MOW GRASS 2. REMOVE ALL LITTER AND DEBRIS 3. REMOVE AND REPLACE DEAD OR DISEASED VEGETATION 4. REPLACE / REPLENISH MULCH 5. REMOVE WEEDS 6. PRUNE VEGETATION TO MAINTAIN APPEARANCE	1. MONTHLY 2. MONTHLY 3. SEMI-ANNUALLY 4. SEMI-ANNUALLY 5. SEMI-ANNUALLY 6. SEMI-ANNUALLY
B. STORM DRAINAGE SYSTEM	1. REMOVE ALL LITTER AND DEBRIS FROM PIPES 2. REMOVE SEDIMENT FROM DRAINAGE STRUCTURE SUMPS	1. ANNUALLY 2. ANNUALLY, OR WHEN SUMP VOLUME HAS BEEN REDUCED BY 50%
C. WET DETENTION PONDS	1. REMOVE ALL LITTER AND DEBRIS FROM POND 2. MOW STEEP SLOPES 3. REMOVE INVASIVE VEGETATION 4. INSPECT POND CONTROL, INLET AND OUTLET STRUCTURES 5. REPAIR EMBANKMENT AND SIDE SLOPES 6. REMOVE SEDIMENT FROM FOREBAY 7. REMOVE SEDIMENT FROM PERMANENT POOL	1. MONTHLY 2. MONTHLY 3. SEMI-ANNUALLY 4. ANNUALLY 5. ANNUALLY 6. ANNUALLY, OR AFTER 50% OF FOREBAY CAPACITY IS FILLED 7. EVERY 5 TO 10 YEARS OR AFTER 25% OF THE PERMANENT POOL VOLUME IS FILLED
D. DRY DETENTION PONDS	1. REMOVE ALL LITTER AND DEBRIS THAT MAY POLLUTE POND 2. INSPECT POND CONTROL, INLET AND OUTLET STRUCTURES 3. MOW SIDE SLOPES AND BOTTOM 4. REMOVE INVASIVE VEGETATION 5. REPAIR EMBANKMENT AND SIDE SLOPES	1. MONTHLY 2. ANNUALLY 3. MONTHLY 4. SEMI-ANNUALLY 5. ANNUALLY
E. UNDERGROUND DETENTION	1. REMOVE LITTER/DEBRIS AND SEDIMENT BUILDUP IN SYSTEM BY PUMPING THEM OUT	1. ANNUALLY
F. INFILTRATION BASIN	1. REPLACE TOP FILTER MEDIA (SAND OR ROCK) 2. REMOVE ALL LITTER AND DEBRIS THAT MAY POLLUTE EXFILTRATION TRENCH 3. INSPECT BASIN CONTROL, INLET AND OUTLET STRUCTURES 4. MOW SIDE SLOPES 5. REMOVE INVASIVE VEGETATION 6. REPAIR EMBANKMENT AND SIDE SLOPES	1. EVERY 5 YEARS, OR WHEN WATER IS STANDING FOR MORE THAN 5 DAYS AFTER A STORM EVENT 2. ANNUALLY 3. ANNUALLY 4. MONTHLY 5. SEMI-ANNUALLY 6. ANNUALLY
G. EXFILTRATION TRENCHES	1. REMOVE LITTER/DEBRIS FROM SITE 2. CHECK SYSTEM AFTER THREE CONSECUTIVE DAYS OF DRY WEATHER AFTER A RAINFALL EVENT TO ENSURE FULL DEBRIS AND SEDIMENT IS ACCUMULATED IN PUMP OUT AREAS, TO ENSURE PROPER DRAINAGE	1. MONTHLY 2. SEMI-ANNUALLY
H. BIO-RETENTION AREA	1. PRUNE VEGETATION TO MAINTAIN APPEARANCE 2. REMOVE WEEDS 3. REPLACE/REPLENISH MULCH 4. REMOVE LITTER AND DEBRIS THAT MAY POLLUTE BIO-RETENTION AREA 5. REPAIR ERODED AREAS 6. REMOVE AND REPLACE DEAD OR DISEASED VEGETATION	1. SEMI-ANNUALLY 2. SEMI-ANNUALLY 3. ANNUALLY 4. SEMI-ANNUALLY 5. SEMI-ANNUALLY 6. SEMI-ANNUALLY
I. SAND FILTERS	1. REMOVE ALL LITTER AND DEBRIS 2. REPLACE SAND FILTER MEDIA	1. MONTHLY 2. EVERY 10 YEARS, OR WHEN WATER IS STANDING FOR MORE THAN 24 HOURS AFTER A STORM EVENT
J. GRASS LINED DITCHES AND SWALES	1. MOW SWALE SLOPES 2. REMOVE ALL LITTER AND DEBRIS 3. REPAIR SIDE SLOPES 4. REMOVE SEDIMENT BUILDUP WITHIN BOTTOM OF SWALE	1. MONTHLY 2. MONTHLY 3. ANNUALLY 4. ANNUALLY, OR WHEN SWALE VOLUME HAS BEEN REDUCED BY 25%
K. PRE-FABRICATED WATER QUALITY DEVICES	1. REMOVE ALL LITTER AND DEBRIS 2. PERFORM MAINTENANCE SPECIFIED BY THE MANUFACTURER	1. MONTHLY 2. ANNUALLY, OR SOONER IF RECOMMENDED BY THE MANUFACTURER
L. ENERGY DISSIPATORS	1. REMOVE ALL LITTER AND DEBRIS 2. REPAIR EROSION OR DAMAGED DISSIPATORS	1. MONTHLY 2. ANNUALLY
M. VEGETATED FILTER STRIPS	1. MOW GRASS 2. REMOVE ALL LITTER AND DEBRIS 3. REPAIR EROSION AND RILLS 4. REPAIR SPARSE VEGETATION	1. MONTHLY 2. MONTHLY 3. ANNUALLY 4. ANNUALLY
N. PERVIOUS PAVEMENT	1. REMOVE ALL LITTER AND DEBRIS 2. VERIFY PAVEMENT IS DRAINING PROPERLY 3. VACUUM AND PERFORM HIGH PRESSURE HOSEING TO FREE PORES FROM CLOGGING	1. MONTHLY 2. ANNUALLY 3. ANNUALLY

SCDHEC STORMWATER AS-BUILT/RECORD DRAWING REQUIREMENTS:

1. PRIOR TO SUBSTANTIAL COMPLETION AND PRIOR TO REQUESTING FINAL SITE INSPECTION BY SCDHEC THE CONTRACTOR SHALL PROVIDE AND RECEIVE APPROVAL OF AS-BUILT/RECORD DRAWINGS CONSISTING OF SURVEY DRAWINGS MEETING THE FOLLOWING REQUIREMENTS:
 - A. FIELD SURVEYED DRAWINGS BASED ON AN AS-BUILT SURVEY OF NEWLY CONSTRUCTED STORM WATER MANAGEMENT FACILITIES WITH:
 - (i) EXISTING GRADES/CONTOURS/DEPTHS OF THE FACILITY.
 - (ii) ELEVATIONS AND DIMENSIONS OF ALL INLET/OUTLET STRUCTURES, INCLUDING:
 - PIPE AND ORIFICE INVERTS AND DIAMETERS.
 - WEIR ELEVATIONS AND DIMENSIONS.
 - RISER DIMENSIONS AND ELEVATIONS.
 - EMERGENCY SPILLWAY DIMENSIONS AND ELEVATIONS.
 - LOCATIONS AND INVERTS FOR ALL PIPES DISCHARGING INTO THE FACILITY.
 - LOCATIONS AND INVERTS FOR ALL PIPES EXITING THE FACILITY.
 - DETAILED SKETCHES OF THE STRUCTURES SHALL BE PROVIDED IN NECESSARY.
 - (iii) SPOT ELEVATIONS ALONG THE TOP, BOTTOM AND SIDELINES OF THE FACILITY'S EMBANKMENT.
 - (iv) CONTOURS, DIMENSION, AND LOCATIONS OF ALL STRUCTURAL COMPONENTS (E.G., FOREBAYS, LEVEL SPREADERS, RIP RAP APRONS, INLET STRUCTURES, LOW FLOW CHANNELS) OF THE FACILITY.
 - (v) TABLE OF ELEVATIONS AND ASSOCIATED CONTOUR AREA AT EACH ELEVATION FOR STAGE/STORAGE VOLUME. IF FACILITY IS SEPARATED INTO DIFFERENT BASINS OR FOREBAYS, THE TABLE SHALL PROVIDE AREA DATA FOR EACH SEPARATE BASIN.
 - (vi) WETLAND AREAS.
 - B. AS-BUILT SURVEYS SHALL BE PREPARED IN STATE PLANE COORDINATES NAD 83 DATUM.
 - C. AS-BUILT SURVEYS SHALL BE PREPARED USING THE SAME VERTICAL DATUM AS USED ON THE APPROVED DESIGN PLANS.
 - D. ALL DRAWINGS SHALL BEAR THE FOLLOWING STATEMENTS SIGNED BY THE SURVEYOR:

"I HEREBY SIGN, DATE AND AFFIX MY SEAL TO CERTIFY THAT THE AS-BUILT/RECORD DRAWING SURVEY SHOWN IS CORRECT AND ACCURATE."

S.C. REGISTERED PROFESSIONAL LAND SURVEYOR
2. THE CONTRACTOR SHALL SUBMIT PRELIMINARY VERSIONS OF THE AS-BUILT/RECORD DRAWINGS TO THE (ENGINEER) FOR REVIEW PRIOR TO SUBMITTING TO SCDHEC FOR REVIEW.
3. UPON RECEIPT OF ANY COMMENTS FROM THE (ENGINEER), THE CONTRACTOR SHALL MAKE ALL NECESSARY CORRECTIONS AND RESUBMIT FINAL VERSIONS OF THE AS-BUILT/RECORD DRAWINGS TO THE (ENGINEER) FOR FORWARDING TO SCDHEC FOR REVIEW AND/OR APPROVAL.
4. UPON RECEIPT OF ANY COMMENTS FROM SCDHEC, THE CONTRACTOR SHALL MAKE ALL NECESSARY CORRECTIONS AND RESUBMIT CORRECTED FINAL VERSIONS OF THE AS-BUILT/RECORD DRAWINGS TO THE (ENGINEER) FOR FORWARDING TO SCDHEC FOR REVIEW AND/OR APPROVAL.

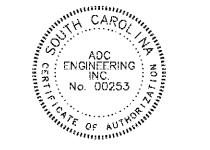


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Revision Date	Description
PERMIT SET - 01/23/2017	

Town of James Island
TOWN HALL
Dills Bluff Road
Charleston, SC 29412

Project Number:	15102/ADC15304
Checked By:	CBC
Drawn By:	JMC
Date:	01/23/17
Scale:	NOT TO SCALE

C720
SWPPP Notes