ESPCP GENERAL NOTES:

THE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) IS PROVIDED BY THE OWNER. IF THE CONTRACTOR ELECTS TO ALTER THE STAGE CONSTRUCTION FROM THAT SHOWN IN THE PLANS, AND THE ENGINEER APPROVES THE REQUEST, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVISE THE ESPCP TO REFLECT ALL CHANGES IN STAGING. THIS WILL ALSO INCLUDE ANY REVISIONS TO EROSION AND SEDIMENTATION CONTROL ITEM QUANTITIES. MAJOR MODIFICATION OR DELETION OF SPECIFIED STRUCTURAL BMP'S THAT ARE SPECIFIED IN THE ESPCP WILL REQUIRE A FORMAL REVISION OF THE ESPCP BY THE ENGINEER OF RECORD. ADDITIONAL BMP'S MAY BE ADDED AS DIRECTED BY THE ENGINEER.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS:

SILT FENCE SHOULD NEVER RUN CONTINUOUS WITHOUT J-HOOKS OR SPURS. THE SILT FENCE SHOULD TURN BACK INTO THE FILL OR SLOPE TO CREATE SMALL POCKETS THAT TRAP SILT AND FORCE STORMWATER TO FLOW THROUGH THE SILT FENCE. THIS TECHNIQUE OR CONFIGURATION IS COMMONLY REFERRED TO AS J-HOOKS OR SPURS. THE J-HOOKS OR SPURS SHALL BE INSTALLED ON ALL SILT FENCES THAT ARE LOCATED AROUND THE PERIMETER OF THE PROJECT AND ALONG THE TOE OF EMBANKMENTS OR SLOPES. THE J-HOOKS AND SPURS SHALL BE SPACED IN ACCORDANCE WITH THE TYPICAL LOCATION DETAILS FOR SILT FENCES / BALED STRAW. SPACING FOR J-HOOKS OR SPURS SHALL NOT BE LESS THAN 50 FEET EXCEPT AS NOTED. SILT FENCES THAT ARE NEAR THE OUTLET OF CULVERTS, CROSS DRAINS, AND STORM DRAINS SHALL HAVE A MINIMUM OF 3 J-HOOKS OR SPURS ON BOTH SIDES OF THE STRUCTURE AT SPACING NOT TO EXCEED 30 FEET. J-HOOKS OR SPURS SHALL BE PAID FOR AS SILT FENCE ITEMS PER FOOT. ALL COSTS AND OTHER INCIDENTAL ITEMS ARE INCLUDED IN COST OF INSTALLING AND MAINTAINING THE SILT FENCE.

MAINTENANCE AND STABILIZATION MEASURES:

ALL STRUCTURAL BMP'S SHALL BE MAINTAINED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL SEDIMENT CONTROL DEVICES (EXCEPT SEDIMENT BASINS) INSTALLED ON A PROJECT SHALL, AT A MINIMUM, BE CLEANED OF SEDIMENT WHEN ONE-HALF THE CAPACITY, BY HEIGHT, DEPTH, OR VOLUME HAS BEEN REACHED. SEDIMENT BASINS SHALL BE CLEANED OF SEDIMENT WHEN ONE-THIRD THE CAPACITY BY VOLUME HAS BEEN REACHED.

AS A MINIMUM, THE CONTRACTOR SHALL COMPLETE THE PERMANENT GRASSING, OR TEMPORARY GRASSING, OR MULCHING, AS APPROPRIATE AND IN ACCORDANCE WITH CONTRACT DOCUMENTS, ON ALL CUT AND FILL SLOPES ON A WEEKLY BASIS DURING GRADING OPERATIONS. PROJECTS WITH A TOTAL OF 3 ACRES OR LESS OF GRASSING MAY BE TREATED EVERY TWO WEEKS. WHEN CONDITIONS WARRANT, THE ENGINEER MAY REQUIRE MORE FREQUENT INTERVALS FOR THIS WORK. IT IS EXTREMELY IMPORTANT TO GET A STABILIZING COVER IN PLACE, WHETHER IT IS MULCH, TEMPORARY GRASS, OR PERMANENT GRASS. ADEQUATE MULCH IS A MUST.

WHEN GRADING OPERATIONS OR OTHER SOIL DISTURBING ACTIVITIES HAVE BEEN SUSPENDED, FOR WHATEVER REASON, THE CONTRACTOR SHALL PROMPTLY PERFORM NEEDED GRASSING WORK AND/OR EROSION CONTROL WORK AS SHOWN IN THE PLANS, SUBMITTED BY THE CONTRACTOR OR AS DIRECTED BY THE ENGINEER.

TEMPORARY GRASS SHALL BE USED WHEN REQUIRED BY THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE ENGINEER TO CONTROL EROSION IN AREAS WHERE PERMANENT GRASSING CANNOT BE PLANTED. TEMPORARY GRASS SHALL BE USED WHERE AN AREA MUST BE PROTECTED FOR LONGER THAN MULCH IS EXPECTED TO LAST WHICH IS 60 CALENDAR DAYS. AFTER 60 CALENDAR DAYS, AREAS WITH ONLY MULCH SHALL BE PLANTED WITH TEMPORARY GRASS AND MULCHED AGAIN.

TEMPORARY GRASS SHALL BE A QUICK GROWING SPECIES SUITABLE TO THE AREA AND SEASON. SEEDS SHALL CONFORM TO THE REQUIREMENTS OF CONTRACT DOCUMENTS. SEEDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, EXCEPT THAT GROUND PREPARATION SHALL BE THE MINIMUM REQUIRED TO PROVIDE A SEED BED WHERE FURTHER GRADING WILL BE REQUIRED. AREAS THAT REQUIRE NO FURTHER GRADING SHALL BE PREPARED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. LIME SHALL BE OMITTED UNLESS THE AREA WILL LATER BE PLANTED IN PERMANENT GRASS WITHOUT FURTHER GRADING; IN WHICH CASE, LIME WILL BE APPLIED ACCORDING TO THE CONTRACT DOCUMENTS, MIXED GRADE FERTILIZER SHALL BE APPLIED AT THE RATE OF 400 POUNDS PER ACRE. NITROGEN SHALL BE OMITTED. ALL TEMPORARY GRASS SHALL BE MULCHED IN ACCORDANCE WITH CONTRACT DOCUMENTS.

ALL AREAS WHERE TEMPORARY GRASS HAS BEEN PLANTED SHALL BE PREPARED IN ACCORDANCE WITH CONTRACT DOCUMENTS PRIOR TO PLANTING PERMANENT GRASS.

WHERE STAGED CONSTRUCTION (OR OTHER CONDITIONS NOT CONTROLLED BY THE CONTRACTOR) PROHIBITS THE COMPLETION OF A ROADWAY SECTION IN A CONTINUOUS MANNER, THE CONTRACTOR SHALL APPLY MULCH TO CONTROL EROSION FOR A PERIOD OF 60 CALENDAR DAYS OR LESS. AFTER 60 CALENDAR DAYS, AREAS STABILIZED WITH ONLY MULCH SHALL BE PLANTED WITH TEMPORARY GRASS AND MULCHED AGAIN.

MULCH SHALL BE APPLIED AND UNIFORMLY SPREAD IN ACCORDANCE WITH CONTRACT DOCUMENTS.

WHEN GRASSING OPERATIONS BEGIN, MULCH SHALL BE LEFT IN PLACE AND PLOWED INTO THE SOIL DURING THE PROCESS OF SEEDBED PREPARATION, THEREBY BECOMING BENEFICIAL PLANT FOOD FOR THE NEWLY PLANTED GRASS. MULCH REQUIRED FOR PROTECTION OF NEWLY PLANTED GRASS SHALL BE IN ADDITION TO THE MULCH SPECIFIED HEREIN.

WASTE DISPOSAL:

SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE PASTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

NON-STORM WATER DISCHARGES:

NON-STORM WATER DISCHARGES AS DEFINED IN PART III.A.2 OF THE NPDES PERMIT WILL BE IDENTIFIED AFTER CONSTRUCTION HAS COMMENCED AND SHALL BE SUBJECT TO THE SAME REQUIREMENTS AS STORM WATER DISCHARGES AS REQUIRED BY THE NCDENR.

PETROLEUM SPILLS AND LEAKS:

LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

MATERIALS & EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MAPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.

FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-4262675.

FOR SPILLS THAT OF AN UNKNOWN AMOUNT. THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITH 24 HOURS AT 1-800-426-2675.

ESPCP GENERAL NOTES (CONT.):

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, NCDENR SHALL BE CONTACTED WITHIN 24 HOURS OR AS REQUIRED BY FEDERAL, STATE, AND LOCAL REQUIREMENTS.

FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

OTHER CONTROLS:

THE CONTRACTOR SHALL FOLLOW THIS ESPCP AND ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

SEDIMENT BASINS:

THE DISTURBED AREA WITHIN THE DRAINAGE AREA IS 0.82 ACRES. THE DISTURBANCE ACTIVITIES CONSIST OF SITE GRADING AND PAVING FOR THE CONSTRUCTION OF A BUILDING WITH ASSOCIATED PARKING AND LANDSCAPE AREAS. BMP'S AS SHOWN ON THE EROSION CONTROL PLANS WILL BE ADEQUATE TO CONTROL SEDIMENT RUNOFF AT THIS LOCATION.

STREAM BUFFER ENCROACHMENT:

STREAM BUFFERS ARE NOT IMPACTED BY THIS PROJECT.

INSPECTIONS:

ALL INSPECTIONS, MONITORING, AND REPORTING SHALL CONFORM TO THE MINIMUM STANDARDS SET FORTH IN STATE OF NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY GENERAL PERMIT - NCG 010000.

RECEIVING WATER SAMPLING:

MANUAL SAMPLING:

SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIME AS STATED IN PART IV.D. 5. D. OF THE PERMIT. SAMPLING WILL BEGIN AT THE DESIGNATED REPRESENTATIVE RECEIVING WATER AT THE DOWNSTREAM LOCATION FIRST. THE SAMPLE WILL BE TAKEN AS FAR DOWNSTREAM (WITHIN THE PROJECT RIGHT OF WAY) OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE POINT, AND UPSTREAM OF ANY ADDITIONAL DISCHARGES NOT ASSOCIATED WITH THE PROJECT. THE SAMPLE WILL BE TAKEN IN THE CENTER OF THE RECEIVING WATER AT A POINT WHERE MIXING OF THE RECEIVING WATERS AND THE PROJECT OUTFALL HAS OCCURRED AND PRODUCED A HOMOGENOUS SAMPLE. ON RECEIVING WATERS WHERE ACCESS TO THE CENTER OF THE RECEIVING WATERS IS NOT PRACTICAL, SEVERAL SAMPLES FROM ACROSS THE RECEIVING WATERS WILL BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES WILL BE USED FOR THE UPSTREAM VALUE. A LARGE MOUTH, CLEAN, GLASS OR PLASTIC JAR/BOTTLE, LABELED WITH PROJECT NUMBER AND LOCATION WILL BE USED TO COLLECT THE SAMPLE. THE SAMPLE CONTAINER WILL BE HELD SUCH THAT THE OPENING FACES UPSTREAM. ONCE THE SAMPLE JAR/BOTTLE IS FULL AND CAPPED, IT WILL BE TRANSPORTED TO THE LOCATION WHERE THE TURBIDITY TESTING WILL BE CONDUCTED. SAMPLES MAY BE ANALYZED AT THE SITE WITH PROPERLY CALIBRATED PORTABLE TURBIDIMETERS. ALL TURBIDITY TESTS WILL BE CONDUCTED IMMEDIATELY BUT IN NO CASE, LATER THAN 48 HOURS AFTER THE TIME THE SAMPLE WAS OBTAINED.

UPSTREAM SAMPLES WILL BE TAKEN AFTER DOWNSTREAM SAMPLES HAVE BEEN ACQUIRED. THE SAMPLE WILL BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PROJECT (WITHIN THE PROJECT RIGHT OF WAY). THE SAMPLE WILL BE TAKEN IN THE CENTER OF THE RECEIVING WATER. ON RECEIVING WATERS WHERE ACCESS TO THE CENTER OF THE RECEIVING WATERS IS NOT PRACTICAL, SEVERAL SAMPLES FROM ACROSS THE RECEIVING WATERS WILL BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES WILL BE USED FOR THE UPSTREAM VALUE. A LARGE MOUTH, CLEAN, GLASS OR PLASTIC JAR, LABELED WITH PROJECT NUMBER AND LOCATION WILL BE USED TO COLLECT THE SAMPLE. THE SAMPLE CONTAINER WILL BE HELD SUCH THAT THE OPENING FACES UPSTREAM. ONCE THE SAMPLE JAR/BOTTLE IS FULL AND CAPPED, IT WILL BE TRANSPORTED TO THE LOCATION WHERE THE TURBIDITY TESTING WILL BE CONDUCTED. ALL TURBIDITY TESTS WILL BE CONDUCTED IMMEDIATELY BUT IN NO CASE, LATER THAN 48 HOURS AFTER THE TIME THE SAMPLE WAS OBTAINED.

AUTOMATIC SAMPLING:

SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIMES AS SPECIFIED IN PART IV.D. 5. D. OF THE PERMIT. AUTOMATIC SAMPLING CAN BE ACCOMPLISHED AT BOTH UPSTREAM AND DOWNSTREAM SIMULTANEOUSLY BY USING A SAMPLING DEVICE SIMILAR TO THE ISCO MODEL 3700 OR 6700. THESE DEVICES CAN BE TRIGGERED BY FLOW METERS OR RAIN GAGES TO OBTAIN THE REQUIRED SAMPLES. THIS DETERMINATION WILL BE MADE ON A PROJECT BY PROJECT BASIS. THE PROBE FOR THE AUTOMATIC SAMPLER WILL BE PLACED IN THE CENTER OF THE RECEIVING WATER AT A POINT AS FAR DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE POINT AND UPSTREAM OF ANY ADDITIONAL DISCHARGES NOT ASSOCIATED WITH THE PROJECT. SAMPLES WILL REMAIN IN THE AUTOMATIC SAMPLER UNTIL THE NEXT BUSINESS DAY, WHEN THEY WILL BE COLLECTED AND TESTED.

THE PROBE FOR UPSTREAM SAMPLING WILL BE POSITIONED IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE POINT FROM THE PROJECT. THE PROBE WILL BE PLACED IN THE CENTER OF THE RECEIVING WATER. SAMPLES WILL REMAIN IN THE AUTOMATIC SAMPLER UNTIL THE NEXT BUSINESS DAY, WHEN THEY WILL BE COLLECTED AND TESTED.

TESTING:

ALL TURBIDITY TESTS SHALL BE DONE IN ACCORDANCE WITH 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE NCDENR. TURBIDITY RESULTS WILL BE RECORDED AND REPORTED TO NCDENR IN ACCORDANCE WITH PART IV.E OF THE PERMIT.

OUTFALL SAMPLING:

MANUAL SAMPLING:

SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIME AS STATED IN PART IV.D. 5. D. OF THE PERMIT. SAMPLING WILL OCCUR AT THE DESIGNATED REPRESENTATIVE OUTFALL. THE SAMPLE WILL BE TAKEN IN THE CENTER OF THE OUTFALL CHANNEL. A LARGE MOUTH, CLEAN, GLASS OR PLASTIC JAR/BOTTLE, LABELED WITH PROJECT NUMBER AND LOCATION WILL BE USED TO COLLECT THE SAMPLE. THE SAMPLE CONTAINER WILL BE HELD SUCH THAT THE OPENING FACES UPSTREAM. ONCE THE SAMPLE JAR/BOTTLE ISFULL AND CAPPED, IT WILL BE TRANSPORTED TO THE LOCATION WHERE THE TURBIDITY TESTING WILL BE CONDUCTED. SAMPLES MAY BE ANALYZED AT THE SITE WITH PROPERLY CALIBRATED PORTABLE TURBIDIMETERS. ALL TURBIDITY TESTS WILL BE CONDUCTED IMMEDIATELY BUT IN NO CASE, LATER THAN 48 HOURS AFTER THE TIME THE SAMPLE WAS OBTAINED.

OUTFALL SAMPLING (CONT.):

AUTOMATIC SAMPLING:

SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIMES AS SPECIFIED IN PART IV.D. 5. D. OF THE PERMIT. AUTOMATIC SAMPLING CAN BE ACCOMPLISHED BY USING A SAMPLING DEVICE SIMILAR TO THE ISCO MODEL 3700 OR 6700. THESE DEVICES CAN BE TRIGGERED BY FLOW METERS OR RAIN GAGES TO COLLECT THE REQUIRED SAMPLES. THIS DETERMINATION WILL BE MADE ON A PROJECT BY PROJECT BASIS. THE PROBE FOR THE AUTOMATIC SAMPLER WILL BE PLACED IN THE CENTER OF THE OUTFALL CHANNEL. SAMPLES WILL REMAIN IN THE AUTOMATIC SAMPLER UNTIL THE NEXT BUSINESS DAY, WHEN THEY WILL BE COLLECTED AND TESTED.

TESTING:

ALL TURBIDITY TESTS SHALL BE DONE IN ACCORDANCE WITH 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE NCDENR. TURBIDITY RESULTS WILL BE RECORDED AND REPORTED TO NCDENR IN ACCORDANCE WITH PART IV.E OF THE PERMIT.

1. A COMPREHENSIVE MONITORING PLAN (CMP) MUST BE IMPLEMENTED AS PART OF THE PROJECT'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN IN COMPLIANCE WITH THE NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES) PRIOR TO CONDUCTING ANY CONSTRUCTION ACTIVITY.
2. NOT USED.
3. NOT USED.
4. FOR MONITORING OUTFALLS, THE DISTURBED AREA ASSOCIATED WITH THIS PROJECT IS 0.82 ACRES.
5. NOT USED.
6. COMPLIANCE WITH NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES) THIS PROJECT IS EXPECTED TO DISTURB APPROXIMATELY 0.82 ACRES OF LAND. THIS IN TURN REQUIRES THE CONTRACTOR AND OWNER TO COMPLY WITH NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES) PERMIT. THE CONTRACTOR HAS TO SIGN INSPECTION AS REQUIRED BY THE PERMIT AND DAILY RAINFALL MEASUREMENTS AS STATED IN THE EROSION CONTROL NOTES SHOWN ON THIS SHEET. THE CONTRACTOR WILL EMPLOY THE SERVICES OF AND ENVIRONMENTAL ENGINEER APPROVED BY THE OWNER TO BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE COMPREHENSIVE MONITORING PLAN (CMP), THE STORM WATER FLOW MONITORING, THE 14-DAY AND MONTHLY INSPECTION OF THE BMPS, COLLECTION OF RECORDS, AND THE REQUIRED REPORT PREPARATION AND SUBMITTAL. REPORTS ARE REQUIRED FOR EVERY MONTH DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. AS NOTED ABOVE, CERTAIN PARTS OF THE COMPLIANCE HAVE BEEN ASSIGNED TO THE CONTRACTOR AND CERTAIN PARTS HAVE BEEN ASSIGNED TO THE SUB-CONTRACTED ENVIRONMENTAL ENGINEER.

   SINCE THE DESIGN, INSTALLATION AND MAINTENANCE OF THE BMPS PRESENTS A COMPLETE DEFENSE AGAINST ACTIONS BY THE NCDENR FOR VIOLATIONS, AND THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE BMPS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES IMPOSED BY THE EPD AGAINST THE PROJECT, AND THE OWNER SHALL BE HELD BLAMELESS. THE ENVIRONMENTAL ENGINEER IS ALL RESPONSIBLE FOR SUGGESTING REVISIONS AND IMPROVMENTS TO THE BMPS. THE DESIGN PROFESSIONAL SHALL IMPECT THE INSTALLATION OF THE BMPS WITHIN SEVEN DAYS AFTER CONSTRUCTION ACTIVITIES BEGIN AS REQUIRED BY THE PERMIT.
7. COLLECTION AND ANALYSIS OF STORM WATER SAMPLES

   ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUITED IN ACCORDANCE WITH THE METHODOLOGY AND TEST PROVEDURES ESTABLISHED BY 40 CFR PART 136, ENTITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND OTHER GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE NCDENR.

   SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

   SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

   LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JAR SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

   MANUAL OR AUTOMATIC SAMPLING MAY BE UTLIZIED. (IF AUTOMATIC SAMPLERS ARE USED, USE ONLY THOSE SAMPLERS APPROVED FOR USE BY NCDENR) SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTLITIED. DILLUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COLLECTED.

   SAMPLING AND ANALYSIS OF THE RECEIVING WATERS OR OUTFALLS BEYOND THE MINIMUM FREQUENCY REQUIRED BY THE PERMIT MUST BE REPORTED TO THE NCDENR.

   SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT MUST BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATERS AND/OR OUTFALLS USING THE FOLLOWING GUIDELINES:

   A. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE CONSTRUCTION PROJECT, BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT.
   B. THE DOWNSTREAM SAMPLE FOR EACH RECIEVING WATER MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE CONSTRUCTION PROJECT, BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT.
   C. IDEALLY, THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
   D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER OR OUTFALL CHANNEL.
   E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM
   F. THE SAMPLES SHOULD BE KEPT FREE OF FLOATING DEBRIS.
8. PHASING OF SAMPLING AREA

   IF THE CONTRACTOR CHOOSES TO USE AUTOMATED SAMPLE COLLECTION EQUIPMENT, THE CONTRACTOR'S APPROVED ENVIRONMENTAL ENGINEER SHALL PROVIDE A MINIMUM OF TEN SAMPLING ASSEMBLIES TO WORK IN A SEQUENCE SO AS NOT TO DELAY THE CONSTRUCTION OF THE PROJECT. IN A TYPICAL AREA, THE CONTRACTOR SHALL ARRANGE TO HAVE THE SAMPLE COLLECTORS INSTALLED TO MONITOR THE AREA THAT WAS JUST SEEDED, THE AREA WHERE WORK IS CURRENTLY ONGOING, AND THE NEXT AREA TO BE WORKED IN. PLESE NOTE THAT NO WORK CAN OCCUR IN A GRAINAGE BASIN UNTIL A MONITOR IS OPERATIONAL IN THAT BASIN. PLEASE ALSO NOTE THATAREAS WHERE THE STABILIZATION IS DEFINED AS MEANING THAT THE LEAST 100% OFTHE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS RIP-RAP, PERMANENT MULCHES OR GEO-TEXTILES). PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL CINES, A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION, OR CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION SUCH THAT WITHIN THE GROWING SEASON OF 70% COVERAGE BY PERENNIAL VEGETATION SHALL BE ACHIEVED. ONCE AN AREA HAS ACHIEVED FINAL STABILIZATION, AS DETERMINED BY THE ENGINEER, THE MONITOR CAN BE REMOVED AND RELOCATED TO A SITE IN ADVANCE OF THE CONSTRUCTION.

OUTFALL SAMPLING (CONT.):

9. SAMPLING FREQUENCY

   THE CONTRACTOR'S ENVIRONMENTAL ENGINEER MUST SAMPLE AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN 45 MINUTES OF:

   I. THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR OUTFALL HAS BEGUN AT OR PRIOR TO THE ACCUMULATION, OR
   II. THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR OUTFALL, IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE, AS DEFINED IN THE PERMIT, OR ARE BEYOND THE CONTRACTOR'S CONTROL, THE CONTRACTOR SHALL TAKE THE SAMPLE AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN 12 HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

SAMPLING BY THE CONTRACTOR'S ENVIRONMENT ENGINEER SHALL OCCUR FOR THE FOLLOWING EVENTS:

A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATION HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION.
B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHS OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCURS EITHER 90 DAYS AFTER THE FIRST SAMPLLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST:
C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHERACTION IS REQUIRED. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNATED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN 2 BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNITIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED; AND

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

10. INSPECTIONS AND RAINFALL MEASUREMENTS

    INSPECTIONS OF EROSION CONTROL MEASURES SHALL OCCUR IN ACCORDANCE WITH EROSION CONTROL NOTES NUMBER 31 AND 32 ON THIS SHEET. RECORDS OF RAINFALL MEASUREMENTS SHALL BE KEPT ON A DAILY BASIS IN ACCORDANCE WITH EROSION CONTROL NOTE NUMBER 31 ON THIS SHEET. RAINFALL MUST BE MEASURED ADJACENT TO THE ACTIVE PHASE(S) OF THE PROJECT.

11. REPORTS AND RECORDS

    THE CONTRACTOR'S ENVIRONMENTAL ENGINEER SHALL SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS BELOW BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING HT REPORT PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. THE EPD MAY REQUIRE ADDITIONAL MONITORING RESULTS ON A MORE FREQUENT BASIS. SAMPLING REPORTS MUST BE SUBMITTED UNTIL A NOT IS SUBMITTED. THE CONTRACTOR SHALL BE FAMILIAR WITH AND ADHERE TO ALL REQUIREMENTS INCLUDED IN THIS NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES) WITH REGARDS TO INSPECTIONS, MONITORING AND REPORTING.

    THE ENVIRONMENT ENGINEER SHALL ALSO SUBMIT COPIES OF ALL REPORTS AND MONITORING RESULTS TO THE CONTRACTOR, THE OWNER AND THE DESIGN PROFESSIONAL. THE CONTRACTOR, OWNER AND THE DESIGN PROFESSIONAL SHALL RETAIN COPIES OF ALL REPORTS AND OTHER INFORMATION IN ACCORDANCE WITH THIS PERMIT. IN ADDITION TO OTHER REQUIREMENTS, THE MONITORING INFORMATION SHALL INCLUDE:

    A. THE DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS
    B. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS.
    C. THE DATE ANALYSES WERE PERFORMED.
    D. THE TIME ANALYSES WERE INITIATED.
    E. THE NAMES OF THE INDIVIDUALS WHO PERFORMED THE ANALYSES.
    F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL METHODS USED. A QUALITY CONTROL PROGRAM MUST BE INCLUDED IN THE WRITTEN PROCEDURES.
    G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS.
    H. RESULTS WHICH EXCEED A SPECIFIED NTU VALUE SHALL BE REPORTED AS SUCH.
    I. THE SUMMARY REPORT DETAILING THE FINDINGS OF THE DAILY, 14-DAY AND MONTHLY INSPECTIONS OF THE BMPS, INCLUDING THE LOG OF THE EROSION CONTROL MEASURES AND RAINFALL. SUMMARY REPORTS SHALL BE SUBMITTED AS REQUIRED.

    THE CONTRACTOR SHALL KEEP A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN ON SITE AT ALL TIMES FROM PROJECT BEGINNING UNTIL FINAL STABILIZATION IS ACHIEVED.

    COPIES OF ALL NOI'S, NOT'S, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, BACKUP MATERIAL AND CALIBRATIONS, DATA, AND ALL OTHER RECORDS REQUIRED BY THE NPDES PERMIT SHALL BE RETAINED BY THE CONTRACTOR AND THE OWNER FOR A PERIOD OF THREE YEARS FOLLOWING THE DATE OF FINAL STABILIZATION. THIS PERIOD MAY BE LENGTHENED UPON WRITTEN REQUEST BY THE NCDENR.

EROSION CONTROL NOTES:

1. ALL TIMES THE CONTRACTOR SHALL ADHERE TO LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REGULATIONS AND TO THE LATEST EDITION OF THE "NCDENR EROSION AND SEDIMENTATION CONTROL PLANNING AND DESIGN MANUAL" MANAGEMENT PRACTICES (BMP'S) SHALL BE EXERCISED TO CONTROL EROSIOIN AND SEDIMENTATION FOR ALL RAINFALL EVENTS UP TO AND INCLUDING A 25 YEAR, 24 HOUR RAINFALL EVENT.
2. STRIPPING OF VEGETATION, REGRADING, AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE EROSION.
3. CUT AND FILL OPERATION SHALL BE KEPT TO A MINIMUM.
4. DEVELOPMENT PLANS MUST CONFORM TO TOPOGRAPHY AND SOIL TYPE, SO AS TO CREATE THE LOWEST PRACTICABLE EROSION POTENTIAL.
5. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.
6. THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSIVE ELEMENTS SHALL BE KEPT TO A PRACTICABLE MINIMUM.
7. DISTURB SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICAL.
8. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREA DURING DEVELOPMENT.
9. PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURE SHALL BE INSTALLED AS SOON AS PRACTICABLE.
10. TO THE EXTENT NECESSARY, SEDIMENT IN RUN-OFF WATER SHALL BE TRAPPED BY THE USE OF DEBRIS BASINS, SILT TRAPS, OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED.
11. ADEQUATE PROVISIONS SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS.

EROSION CONTROL NOTES (CONT.):

12. CUTS AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY.
13. FILLS SHALL NOT ENCROACH UPON NATURAL WATER COURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS.
14. GRADING EQUIPMENT SHALL CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS SHALL BE KEPT TO A MINIMUM.
15. PROVISIONS SHALL BE PROVIDED FOR TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENT AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS SPECIFIED IN THE NPDES PERMIT.
16. WASHING DOWN AND CLEANING OF CONCRETE TRUCKS IS TO BE CONFINED TO SPECIFIC AREA SET ASIDE ON-SITE FOR THAT PURPOSE. EXCESS CONCRETE AND WASH WATER ARE TO BE TRAPPED ON-SITE BY MEANS OF A PIT DUG FOR THAT PURPOSE.
17. ALL WASTE AND DEBRIS GENERATED BY THE PROPOSED CONSTRUCTION IS TO BE DISPOSED OF PROPERLY AND IN AN APPROVED AREA. ALL AREA. ALL DISTURBED AREAS ARE TO STABILIZED WITH PERMANENT VEGETATION AS SOON AS PRACTICAL.
18. CLEANUP AND/OR CONTAIN FUEL AND OIL SPILLS IMMEDIATELY. REPORT ANY CHEMICAL SPILLS INTO WATERWAYS IMMEDIATELY TO THE NCDENR EMERGENCY RESPONSE PROGRAM. IF FUEL AND OIL ARE TO BE STORED ON-SITE, THEY MUST BE STORED IN ACCORDANCE WITH THE NORTH CAROLINA FIRE MARSHALL'S RULES AND REGULATIONS. A DIKE OF SUFFICIENT HEIGHT TO CONTAIN THE VOLUME OF FUEL OR OIL BEING STORED ALONG WITH MATERIALS AND PRODUCTS MADE FOR THE ABSORPTION OF PETROLEUM PRODUCTS ARE REQUIRED ON-SITE. ANY USED ABSORBING MATERIAL MUST BE DISPOSED OF IN AN APPROVED WASTE DISPOSAL SITE.
19. NOT USED.
20. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL MEASURE SHALL BE INSTALLED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
21. THE PROPOSED LAND USE AT THE PROJECT SITE IS: A RESTAURANT AND ASSOCIATED PARKING AREA. THE TOTAL AREA OF THE PROJECT 1.00 ACRES. THE PROJECT IS LOCATED IN CONCORD, NORTH CAROLINA.
22. THE TOTAL AREA ENCOMPASSED AND EXPECTED TO BE DISTURBED BY THIS PROJECT IS APPROXIMATELY 0.82 ACRES.
23. THIS PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD ZONE. SEE FIRM 3710458900L DATED 11/16/2018.
24. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
25. THE CONTRACTOR SHALL PLACE TEMPORARY MULCH OR GRASSING WITHIN TWO DAYS AFTER THE COMPLETION OF ANY LAND DISTURBING ACTIVITY OR IF THE ACTIVITY IS DISCONTINUED FOR A PERIOD OF ONE WEEK OR LONGER. PERMANENT GRASSING SHALL BE PLACED AS SOON AS PRACTICABLE.
26. THE CONTRACTOR SHALL PERFORM REGULAR MAINTENANCE ON EROSION CONTROL DEVICES AND KEEP THE REQUIRED RECORD OF THE MAINTENANCE AND REPAIR OF THE DEVICES IN ACCORDANCE WITH THE NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES). SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
27. ANY FILL DIRT OVER THE PIPE SHALL BE GRADED TO PRE-CONSTRUCTION ELEVATIONS.
28. THE LIMITS OF DISTURBANCE LINE (AS INDICATED ON THE PLANS) REPRESENTS THE LIMITS OF CLEARING FOR THE PROJECT. THE CONTRACTOR SHALL NOT CLEAR BEYOND THIS LIMIT. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO ANY SPECIAL CONDITIONS REGARDING CLEARING THAT ARE ATTACHED TO THE EASEMENT AGREEMENTS.
29. NOT USED.
30. OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICABLE.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES). SECTIONS IN THIS DOCUMENT STATE THAT RAINFALL MEASUREMENTS MUST BE RECORDED DAILY AT THE SITE AND STATES THAT EVERY DAY THAT CONSTRUCTION ACTIVITY HAS TAKEN PLACE, THE CONTRACTOR SHALL INSPECT ALL AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT. THE CONTRACTOR SHALL ALSO INSPECT DAILY ALL LOCATIONS WHERE THE CONTRACTOR'S OR ASSOCIATED SUB-CONTRACTORS ENTER OR EXIT THE SITE. THIS INSPECTION MUST CONTINUE UNTIL A N.O.T. IS SUBMITTED. THESE RAINFALL RECORDS AND INSPECTION REPORTS SHALL BE GIVEN TO THE CONTRACTOR'S ENVIRONMENTAL ENGINEER TO BE INCLUDED IN THE RECORDS RETAINED BY THE OWNER.
32. INSPECTIONS AS REQUIRED BY THE NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES) SHALL BE IMPLEMENTED AS FOLLOWS. THE CONTRACTOR SHALL EMPLOY THE SERVICES OF AN APPROVED ENVIRONMENTAL ENGINEER TO COMPLETE THE FOLLOWING TASKS DETAILED IN THIS DOCUMENT.

A. AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5" OR GREATER. THE ENVIRONMENTAL ENGINEER SHALL INSPECT DISTURBED AREAS OF THE SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION, AREAS USED FOR THE STORAGE OF MATERIALS THAT ARE EXPOSED TO RAIN THAT HAVE NOT UNDERGONE FINAL STABILIZATION AND STRUCTURAL CONTROL MEASURES, SUCH AS SILT FENCE, CHECK DAMS, ETC. TO ENSURE THAT THEY ARE OPERATING CORRECTLY. THE ENVIRONMENTAL ENGINEER SHALL ALSO INSPECT THE POINTS WHERE STORMWATER FROM THE SITE ENTERS THE RECEIVING WATERS TO ASCERTAIN WHETHER OR NOT THE EROSION MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS. THIS INSPECTION MUST CONTINUE UNTIL A N.O.T. IS SUBMITTED.

B. AT LEAST ONCE PER MONTH. THE ENVIRONMENTAL ENGINEER SHALL INSPECT THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION FOR EVIDENCE OR POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATERS. THE ENVIRONMENTAL ENGINEER SHALL ALSO INSPECT THE STRUCTURAL CONTROL MEASURES, SUCH AS SILT FENCE, ETC. TO ENSURE THEY ARE OPERATING CORRECTLY. THE ENVIRONMENTAL ENGINEER SHALL ALSO INSPECT THE POINTS WHERE STORMWATER FROM THE SITE ENTERS THE RECEIVING WATERS TO ASCERTAIN WHETHER OR NOT THE EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS. THIS INSPECTION SHALL CONTINUE UNTIL A N.O.T. IS SUBMITTED.

C. BASED ON THE RESULTS OF THE INSPECTIONS, THE ENVIRONMENTAL ENGINEER SHALL CAUSE THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN TO BE REVISED NO LATER THAN SEVEN CALENDAR DAYS AFTER THE INSPECTION. IMPLEMENTATION OF SUCH REVISIONS SHALL BE MADE AS SOON AS PRACTICABLE BUT IN NO CASE LATER THAN SEVEN CALENDAR DAYS FOLLOWING THE INSPECTION.

D. A REPORT SUMMARIZING THE DAILY RAINFALL RECORDS, THE RESULTS OF THE COMPREHENSIVE MONITORING PLAN, SCOPE OF THE INSPECTIONS, NAMES OF THE ENVIRONMENTAL ENGINEER, DATES OF THE INSPECTIONS, COMMENTS RELATIVE TO THE IMPLEMENTATION OF THE EROSION CONTROL PLAN AND ACTIONS REGARDING THE REVISION OF THE PLAN SHALL BE MADE AND RETAINED AT THE SITE UNTIL THE PROJECT HAS UNDERGONE FINAL STABILIZATION AND AN N.O.T. HAS BEEN SUBMITTED TO THE EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE OR A CERTIFICATION THAT THE SITE IS IN COMPLIANCE WITH THE PLAN AND NCDENR'S GENERAL PERMIT NO. NCG - 010000 (NPDES). THE ENVIRONMENTAL ENGINEER SHALL SUBMIT THESE REPORTS TO THE OWNER ON A MONTHLY BASIS AND TO THE NCDENR WHEN THE PERMIT REQUIRES.

EROSION CONTROL NOTES (CONT.):

33. SOURCES OF NON-STORM WATER ASSOCIATED WITH THIS CONSTRUCTION PROJECT MAY INCLUDE FIRE HYDRANT FLUSHING, WATER LINE FLUSHING. SPRINGS AND UNCONTAMINATED GROUND WATER. WATER FROM DISINFECTED WATER LINES SHALL BE DECHLORINATED WITH NEUTRALIZING AGENT IN ACCORDANCE WITH APPENDIX B OF AWWA C651. SEDIMENT FROM EROSION RESULTING FROM THE FLUSHING OF FIRE HYDRANTS SHALL BE MINIMIZED BY PLACING RIP-RAP ADJACENT TO THE HYDRANTS AND TRAPPING ANY SEDIMENT IN A MANNER CONSISTENT WITH THE GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL.
34. CRITICAL WORK ZONES:

    AREAS IDENTIFIED AS CRITICAL WORK ZONES SHALL RECEIVE THE FOLLOWING BMP'S: 1. AT THE END OF EACH WORK DAY ALL SLOPES 3:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. 2. ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.
35. ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
36. HAZARDOUS WASTES

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS's) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING THE SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

37. SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP's MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY AT THE COMPLETION OF THIS PROJECT.

38. PRODUCT SPECIFIC PRACTICES

-PETROLEUM BASED PRODUCTS:
CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

-PAINTS/FINISHES/SOLVENTS
ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

-CONCRETE TRUCK WASHING
NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE

-FERTILIZER/HERBICIDES
THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE NCDENR EROSION AND SEDIMENTATION CONTROL PLANNING AND DESIGN MANUAL. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

-BUILDING MATERIALS
NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

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