

**ESPCP GENERAL NOTES**

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

**PLAN ALTERATIONS**

THIS EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN (ESPCP) IS PROVIDED BY THE DEPARTMENT. IT ADDRESSES THE STAGED CONSTRUCTION OF THE PROJECT ON THE BASIS OF COMMON CONSTRUCTION METHODS AND TECHNIQUES. IF THE CONTRACTOR ELECTS TO ALTER THE STAGED CONSTRUCTION FROM THAT SHOWN IN THE PLANS OR UTILIZE CONSTRUCTION TECHNIQUES THAT RENDER THIS PLAN INEFFECTIVE, THE CONTRACTOR SHALL REVISE THE PLANS IN ACCORDANCE TO SPECIAL PROVISION 161 OF THE CONTRACT.

THE CONTRACTOR, THE CERTIFIED DESIGN PROFESSIONAL, AND THE WECS SHALL CAREFULLY EVALUATE THIS PLAN PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES. AMENDMENTS/REVISIONS TO THE ESPCP PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL. ADDITIONAL BMP'S MAY BE ADDED PER SPECIAL PROVISION 161 - CONTROL OF SOIL EROSION AND SEDIMENTATION.

**TEMPORARY MULCHING**

EPD GENERAL PERMIT GAR 100002 STATES THAT ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING. HOWEVER IN SPECIAL CASES, THE PROJECT ENGINEER MAY REQUIRE THE CONTRACTOR TO PERFORM STABILIZATION MORE OFTEN THAN 14 DAYS.

**VEGETATION AND PLANTING SCHEDULE**

ALL TEMPORARY AND PERMANENT VEGETATIVE PRACTICES INCLUDING PLANT SPECIES, PLANTING DATES, SEEDING, FERTILIZING, LIMING, AND MULCHING FOR THIS PROJECT CAN BE FOUND IN SECTION 700 OF THE CURRENT EDITION OF THE DEPARTMENT'S STANDARD SPECIFICATIONS (OR SPECIAL PROVISIONS) AND OTHER APPLICABLE CONTRACT DOCUMENTS, OR LANDSCAPING PLANS.

**SEQUENCE OF MAJOR ACTIVITIES**

THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING THE CONSTRUCTION SCHEDULE FOR THE PROJECT. THE CONSTRUCTION SCHEDULE FOR THIS PROJECT SHALL BE SUBMITTED AFTER THE PROJECT IS AWARDED ALONG WITH THE NOI. A COPY OF THE CONSTRUCTION SCHEDULE SHALL BE MAINTAINED AT THE PROJECT SITE.

THE PROJECT BUDGET INCLUDES SUFFICIENT FUNDS FOR THE PAYMENT OF CONSTRUCTION EXITS. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AT LEAST ONE (1) CONSTRUCTION EXIT PER THE SPECIFICATIONS OF THE CONSTRUCTION EXIT DETAIL INCLUDED IN THIS ESPCP. TO FACILITATE PROJECT LOGISTICS, THE CONTRACTOR IS ALSO RESPONSIBLE FOR SELECTING THE LOCATION(S) OF THE CONSTRUCTION EXIT(S).

**PHASE I**

1. INSTALL STABILIZED CONSTRUCTION EXIT, IF REQUIRED.
2. INSTALL SILT FENCE(S) ON THE SITE. (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE).
3. INSTALL INLET PROTECTION MEASURES ON THE EXISTING DRAINAGE STRUCTURES AS INDICATED.
4. BEGIN DEMOLITION OF EXISTING FEATURES AS NOTED IN PLANS.

**PHASE II**

1. BEGIN CLEARING AND GRUBBING.
2. TEMPORARY SEED, THROUGHOUT CONSTRUCTION, DENuded AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
3. INSTALL ALL PROPOSED STORM SEWER STRUCTURES. REMOVE EXISTING STORM SEWER SYSTEM AS INDICATED AS NEW STORM SEWER CONSTRUCTION IS COMPLETED.
4. INSTALL OUTLET PROTECTION AROUND OUTLET STRUCTURES AS EACH OUTLET STRUCTURE IS INSTALLED.
5. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
6. CONSTRUCT UNDERGROUND UTILITIES.

**PHASE III**

1. PERMANENTLY STABILIZE ALL DISTURBED AREAS.
2. REMOVE TEMPORARY BMP'S.
3. INSPECTION AND MAINTENANCE REPORT FORMS ARE TO BE MAINTAINED BY THE CONTRACTOR FOR THREE YEARS FOLLOWING FINAL STABILIZATION OF THE SITE.

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF PRECEDING BMP'S HAVE BEEN COMPLETELY INSTALLED.

**PETROLEUM STORAGE, SPILLS, AND LEAKS**

THESE PLANS EXPRESSLY DELEGATE THE RESPONSIBILITY OF PROPER ON-SITE HAZARDOUS MATERIAL MANAGEMENT TO THE CONTRACTOR. THE CONTRACTOR SHALL AT A MINIMUM PROVIDE AN ACTION PLAN AND KEEP THE NECESSARY MATERIALS ON SITE FOR THE CAPTURE, CLEAN UP, AND DISPOSAL OF ANY PETROLEUM PRODUCT, OR OTHER HAZARDOUS MATERIAL, LEAKS OR SPILLS ASSOCIATED WITH THE SERVICING, REFUELING OR OPERATION OF ANY EQUIPMENT UTILIZED AT THE SITE. A COPY OF THE ACTION PLAN SHALL BE SUBMITTED TO THE PROJECT ENGINEER AND MAINTAINED ON THE PROJECT SITE. ALL PERSONNEL OPERATING OR SERVICING EQUIPMENT SHALL BE FAMILIAR WITH THE ACTION PLAN. THE CONTRACTOR SHALL NOT PARK, REFUEL, OR MAINTAIN EQUIPMENT WITHIN STREAM BUFFERS.

IF THE CONTRACTOR ELECTS TO STORE PETROLEUM PRODUCTS ON SITE, THE CONTRACTOR SHALL PREPARE AN ESPCP ADDENDUM THAT ADDRESSES THE ADDITIONAL BMPs NEEDED FOR ONSITE STORAGE AND SPILL PREVENTION FOR PETROLEUM PRODUCTS. THIS PLAN SHALL BE PREPARED BY A CERTIFIED DESIGN PROFESSIONAL AS REQUIRED BY GAR100002 FOR INCLUSION WITH THESE PLANS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO STANDARD SPECIFICATION 107-LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC FOR ADDITIONAL REQUIREMENTS.

**SOIL SERIES INFORMATION**

A PROJECT-SPECIFIC SOIL SURVEY AND GEOTECHNICAL INVESTIGATION WAS PERFORMED FOR THIS PROJECT AND CAN BE MADE AVAILABLE UPON REQUEST. SOIL CHARACTERISTICS HAVE BEEN GIVEN FULL CONSIDERATION IN THE HYDROLOGIC ANALYSIS, THE DESIGN OF CHANNELS AND LIMINGS, SELECTION OF TEMPORARY BMP'S, DESIGN OF ENERGY DISSIPATERS, AND IN THE SELECTION OF PERMANENT VEGETATION AND FERTILIZERS.

**POST-CONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT**

ALL PERMANENT POST-CONSTRUCTION BMP'S ARE SHOWN IN THE CONSTRUCTION PLANS AND IN THE ESPCP PLAN. THE POST-CONSTRUCTION BMP'S FOR THIS PROJECT CONSIST OF PERMANENT VEGETATION, PERMANENT SLOPE DRAINS AND/OR FLUMES AND VEGETATED SWALES/DITCHES WHERE PRACTICAL. THE POST-CONSTRUCTION BMP'S WILL PROVIDE PERMANENT STABILIZATION OF THE SITE AND PREVENT ABNORMAL TRANSPORTATION OF SEDIMENT AND POLLUTANTS INTO RECEIVING WATERS.

**SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS**

SILT FENCE SHOULD NEVER BE RUN CONTINUOUSLY. 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 IS CALLED USING J HOOKS (OR SPURS). THE J HOOKS SHALL BE UTILIZED ON ALL SILT FENCES THAT ARE LOCATED AROUND THE PERIMETER OF THE PROJECT AND ALONG THE TOE OF EMBANKMENTS OR SLOPES. THE J HOOKS SHALL BE SPACED IN ACCORDANCE WITH GDOT CONSTRUCTION DETAIL D-24C. THE MAXIMUM J-HOOK SPACING IS REACHED WHEN THE TOP OF THE J HOOK IS AT THE SAME ELEVATION AS THE BOTTOM OF THE IMMEDIATELY UPGRADIENT J HOOK. J HOOKS SHALL BE PAID FOR AS SILT FENCE ITEMS PER LINEAR FOOT. ALL COSTS AND OTHER INCIDENTAL ITEMS ARE INCLUDED IN COST OF INSTALLING AND MAINTAINING THE SILT FENCE.

**SITE STABILIZATION AND BMP MAINTENANCE MEASURES**

SEE THE DEPARTMENT'S STANDARD SPECIFICATIONS (OR SPECIAL PROVISIONS) 161, 163, 165, 700, 711, AND OTHER CONTRACT DOCUMENTS FOR STABILIZATION AND MAINTENANCE MEASURES.

**WASTE DISPOSAL**

WHERE ATTAINABLE, LOCATE WASTE COLLECTION AREAS, DUMPSTERS, TRASH CANS AND PORTABLE TOILETS AT LEAST 50 FEET AWAY FROM STREETS, GUTTERS, WATERCOURSES AND STORM DRAINS. SECONDARY CONTAINMENT SHALL BE PROVIDED AROUND LIQUID WASTE COLLECTION AREAS TO MINIMIZE THE LIKELIHOOD OF CONTAMINATED DISCHARGES. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE STATE AND LOCAL WASTE STORAGE AND DISPOSAL REGULATIONS AND OBTAIN ALL NECESSARY PERMITS. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

**INSPECTIONS**

THE DESIGN PROFESSIONAL WHO PREPARED THE ESPCP PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMPs AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV.A.5. WITHIN 7 DAYS AFTER INSTALLATION. THE PRIMARY PERMITTEE (GDOT) MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE ESPCP, OR AN ALTERNATIVE DESIGN PROFESSIONAL APPROVED BY EPD IN WRITING, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN SEVEN (7) DAYS OF INSTALLATION OVER THE ENTIRE INFRASTRUCTURE PROJECT.

ALTERNATIVELY, FOR LINEAR INFRASTRUCTURE PROJECTS, THE PERMITTEE MUST RETAIN EITHER OF THESE PERSONNEL TO INSPECT THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs FOR THE INITIAL SEGMENT, AS DEFINED BY PART IV.A.5. OF THE CURRENT GAR100002 PERMIT, WITHIN SEVEN (7) DAYS OF INSTALLATION AND INSPECT ALL SEDIMENT BASINS WITHIN THE ENTIRE LINEAR INFRASTRUCTURE PROJECT WITHIN SEVEN (7) DAYS OF INSTALLATION. THE INSPECTING DESIGN PROFESSIONAL SHALL REPORT THE RESULTS TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS, AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT, UNLESS ON-SITE WEATHER CONDITIONS ARE SUCH THAT MORE TIME IS REQUIRED. ADDITIONALLY, THE DEPARTMENT'S CONSTRUCTION PROJECT ENGINEER WILL BE RESPONSIBLE FOR ALL SUBSEQUENT SEVEN-DAY INSPECTIONS FOR ALL NEW BMP INSTALLATIONS.

ALL OTHER INSPECTIONS SHALL BE DOCUMENTED ON THE APPROPRIATE DEPARTMENT INSPECTION FORMS. SEE STANDARD SPECIFICATION (OR SPECIAL PROVISION) 167 AND OTHER CONTRACT DOCUMENTS FOR INSPECTION REQUIREMENTS. THESE INSPECTIONS SHALL CONTINUE UNTIL THE NOTICE OF TERMINATION (NOT) IS SUBMITTED.

FAILURE TO PERFORM INSPECTIONS AS REQUIRED BY THE CONTRACT DOCUMENTS AND THE NPDES PERMIT SHALL RESULT IN THE CESSATION OF ALL CONSTRUCTION ACTIVITIES WITH THE EXCEPTION OF TRAFFIC CONTROL AND EROSION CONTROL. CONTINUED FAILURE TO PERFORM INSPECTIONS SHALL RESULT IN NON-REFUNDABLE DEDUCTIONS AS SPECIFIED IN THE CONTRACT DOCUMENTS.

**NONSTORMWATER DISCHARGES**

NON-STORM WATER DISCHARGES DEFINED IN PART III.A.2 OF THE NPDES PERMIT WILL BE IDENTIFIED AFTER CONSTRUCTION HAS COMMENCED. THESE DISCHARGES SHALL BE SUBJECT TO THE SAME REQUIREMENTS AS STORM WATER DISCHARGES REQUIRED BY THE GEORGIA EROSION AND SEDIMENTATION CONTROL ACT, THE NPDES PERMIT, THE CLEAN WATER ACT, THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, DEPARTMENT STANDARDS, AND OTHER CONTRACT DOCUMENTS. THE NPDES DOES NOT AUTHORIZE THE DISCHARGE OF SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING OR THE DISCHARGE OF WASTEWATER FROM WASHOUT AND CLEANOUT OF CONTAINERS FOR STUCCO, PAINT, CONCRETE-FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.

**DE-WATERING AND PUMPING ACTIVITIES**

ANY PUMPED DISCHARGE FROM AN EXCAVATION OR DISTURBED AREA SHALL BE ROUTED THROUGH AN APPROPRIATELY SIZED SEDIMENT BASIN, SILT FILTER BAG, OR SHALL BE TREATED EQUIVALENTLY WITH SUITABLE BMP'S. THE CONTRACTOR SHALL ENSURE THE POST BMP TREATED DISCHARGE IS SHEET FLOWING. FAILURE TO CREATE SHEET FLOW WILL OBLIGATE THE CONTRACTOR TO PERFORM WATER QUALITY SAMPLING OF PUMPED DISCHARGES. THE CONTRACTOR SHALL PREPARE SAMPLING PLANS IN ACCORDANCE WITH THE CURRENT GAR100002 NPDES PERMIT BY UTILIZING A CERTIFIED DESIGN PROFESSIONAL. NO SEPARATE PAYMENT WILL BE MADE FOR WATER QUALITY SAMPLING OF PUMP DISCHARGES.

**OTHER CONTROLS**

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

THE CONTRACTOR SHALL CONTROL DUST FROM THE SITE IN ACCORDANCE WITH SECTION 161 OF THE CURRENT EDITION OF THE DEPARTMENT'S STANDARD SPECIFICATIONS.

**RETENTION OF RECORDS**

THE DEPARTMENT WILL RETAIN ALL RECORDS RELATED TO THE IMPLEMENTATION OF THIS ESPCP IN ACCORDANCE WITH PART IV.F OF THE GENERAL PERMIT GAR100002.

		<b>REVISION DATES</b>			STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: INNOVATIVE DELIVERY <b>ESPCP GENERAL NOTES</b>
		1-95 AT SR 21 DIVERGING DIAMOND INTERCHANGE PROJECT			