

**16 19 20 21** EROSION CONTROL - GENERAL NOTES

- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- 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 SHALL 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.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH AND/OR TEMPORARY SEEDING AND/OR PERMANENT SEEDING.
- ALL DEVICES ARE TO BE MAINTAINED AND REPAIRED ON A REGULAR BASIS.
- EXCESS SEDIMENT TO BE REMOVED WHEN SILT REACHES ONE-HALF (1/2) THE HEIGHT OF THE SILT FENCE.
- ALL HEAD WALLS ARE TO HAVE STORM DRAIN OUTLET PROTECTION AND SILT TRAP DITCHES.
- ALL CATCH BASINS AND DROP INLETS ARE TO HAVE S02 TEMPORARY TOPS UNTIL THE FINAL GRADE IS ESTABLISHED.
- SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171 - TEMPORARY SILT FENCE, OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.
- EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH 0.5' OR GREATER RAIN EVENT, AND REPAIRED BY THE GENERAL CONTRACTOR AS NEEDED.
- ALL DESIGN WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CURRENT PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- MAXIMUM CUT OR FILL SLOPES IS 2H:1V.
- SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
- DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
- CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
- THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.
- THREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
- CONTRACTOR SHALL PROCURE AND PROVIDE ALL INSPECTION, REPORTING, AND COMPLIANCE DOCUMENTATION ON BEHALF OF THE PRIMARY PERMITTEE, VIA THE USE OF AN INDEPENDENT THIRD PARTY.

THE CONTRACTOR IS RESPONSIBLE FOR ALL LAND DISTURBING ACTIVITY, MAINTENANCE AND INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES, COMPLYING WITH ALL STATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES LEVIED ON THE PROJECT DUE TO NON-COMPLIANCE WITH REGULATIONS IN THE AMOUNT OF THE FINE LEVIED PLUS AN EQUAL AMOUNT OF THE FINE LEVIED PAID TO THE OWNER FOR COORDINATION.

**64** SAMPLING

NTU VALUES FOR SAMPLING:  
A TOTAL OF 1 SAMPLING POINTS HAVE BEEN IDENTIFIED FOR THIS CONSTRUCTION ACTIVITY. SAMPLE POINT LOCATIONS ARE IDENTIFIED AS FOLLOWS:

SAMPLE POINT #1: SINGLE POINT DISCHARGE, PROPOSED RIP-RAP OUTLET CONTROL FROM S03 N34285561, W84.441103

SAMPLING:  
WHEN THE PERMITTEE HAS ELECTED TO SAMPLE OUTFALL(S), THE DISCHARGE OF STORMWATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING THE VALUE SELECTED FROM APPENDIX B APPLICABLE TO THE CONSTRUCTION SITE, AS SET FORTH THEREIN. THE NEPHELOMETRIC TURBIDITY UNIT (NTU) VALUE SHALL BE SELECTED FROM APPENDIX B BASED UPON THE SIZE OF THE CONSTRUCTION SITE, THE SURFACE WATER DRAINAGE AREA AND WHETHER THE RECEIVING WATER(S) SUPPORTS WARM WATER FISHERIES OR IS A TROUT STREAM AS INDICATED IN THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391-3-6.

SAMPLING POINT LOCATIONS ARE SHOWN ON SHEET C2.31. SEE SHEET C2.24 FOR SAMPLING REQUIREMENTS AND RECORD KEEPING.

RATIONAL FOR NO SAMPLING: SAMPLING IS REQUIRED

APPENDIX B RATIONALE FOR OUTFALL SAMPLING POINTS WHERE APPLICABLE:

**Waters Supporting Warm Water Fisheries**

Site Size, acres	Surface Water Drainage Area, square miles							
	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-18	75	150	250	400	750	750	750	750
19.01-29	50	100	100	200	300	500	750	750
30.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

**11 15 16 22 23** PROJECT SPECIFIC NOTES

PROJECT TITLE: CAULEY CREEK PARK - PHASE 1 TRAIL

CRITICAL/SENSITIVE AREAS: NO CRITICAL AREAS EXIST ON SITE.

THE ES&PC MUST DELINEATE CRITICAL AREAS ON OR WITHIN 200 FEET OF THE PROJECT LIMITS; AND/OR PROVIDE A STATEMENT THAT CRITICAL AREAS DO NOT EXIST ON OR WITHIN 200 FEET OF THE PROJECT SITE. FOR THOSE WITH THESE LIMITS, THE ES&PC MUST PROVIDE A DESCRIPTION OF SPECIFIC BMPs TO PROTECT THESE AREAS.

- IMPAIRED WATERS (GEORGIA 303(D) LIST): NONE

ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III, C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMP'S THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.

SEE BELOW FOR THE FOUR ADDITIONAL BMP'S FROM APPENDIX 1 THAT ARE PROVIDED FOR THIS PROJECT.

ADDITIONAL BMP'S NOT APPLICABLE DUE TO DISTURBANCE BEING LESS THAN 50 ACRES.

IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.

- PROTECTED SPECIES (DNR MANUALS - OR ASSESSMENT REPORTS): NONE
- CULTURAL RESOURCES (I.E. HISTORICAL OR ARCHEOLOGICAL SITES, ETC): NONE
- NO DIGGING OR VEHICLES ARE ALLOWED IN THESE AREAS. DELINEATIONS ARE TO BE IDENTIFIED ONLY AS "SENSITIVE AREA". DO NOT USE THE WORDS HISTORICAL OR ARCHEOLOGICAL SITES.
- WETLANDS: WETLANDS SHOWN ON THE SITE. NO IMPACTS.

2. REQUIREMENTS FOR STREAM BUFFER VARIANCE (SBV)

- DESCRIBE IN THE ES&PC IF A SBV WILL BE REQUIRED FOR THE PROJECT. IF CONSTRUCTION IS TO TAKE PLACE IN A STATE WATER, THE ES&PC MUST SHOW STATE WATER SPECIES DIVERSITY PLANS, PIPES, ETC. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE FEDERAL CLEAN WATER ACT.
- STREAM BUFFER VARIANCE REQUIRED
- STREAM BUFFER VARIANCE NOT REQUIRED

NOTE: ALONG STREAM BANKS BUFFERS AND OTHER SENSITIVE AREAS, DRAINAGE DITCHES OF (S41-S) SILT FENCE SHALL BE USED. THIS IS REGARDLESS THE WORK IS APPROVED UNDER A SBV OR EXEMPT FROM SBV.

SOME SBV WILL REQUIRE ADDITIONAL MEASUREMENTS TO ADDRESS LONG TERM WATER QUALITY, INCLUDING BUT NOT LIMITED TO REGULATION OF TOTAL SUSPENDED SOLIDS AND TARGET POLLUTANTS.

CHECKLIST #15  
NON-EXEMPT ACTIVITY SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURIDICAL DETERMINATION LINE WITHOUT FIRST OBTAINING THE NECESSARY FINANCES AND PERMITS.

**3** LIMIT OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE. IF EPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMP'S LISTED IN APPENDIX 1 OF THE CHECKLIST.

APPLICABLE: \_\_\_\_\_ NOT APPLICABLE: \_\_\_\_\_ X

**50 60** USE OF ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).

USE OF ALTERNATIVE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FOR EROSION & SEDIMENTATION CONTROL IN GEORGIA 2016 EDITION.

APPLICABLE: \_\_\_\_\_ NOT APPLICABLE: \_\_\_\_\_ X

**58** INITIAL PHASE EROSION CONTROL NOTES

(SEE PLANS FOR APPLICABILITY)

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

- A STABILIZED CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE.
- CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF INITIAL PHASE BMP'S.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND TEMPORARY SEDIMENT BASINS (S43) SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN. INSTALL ANY DIVERSION DITCHES OR DRAINAGE CHANNELS TO BASIN AS SHOWN ON PLANS.
- SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBANCE AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHOULD BE KEPT ERRECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BANNER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED WEEKLY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
- INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE PLAN VIEW FOR SPECIFIC TYPE OF INLET PROTECTION REQUIRED.
- THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.
- NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT BASINS ARE CONSTRUCTED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
- IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR SHALL CONSULT WITH THE DESIGN PROFESSIONAL OF RECORD. ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR AND RECORD THE ADDITIONAL CHANGES TO THE CURRENT PLAN SHEET. ANY BMP'S WITH A HYDRAULIC COMPONENT MUST BE APPROVED BY THE DESIGN PROFESSIONAL AND ADDED TO THIS PLAN PRIOR TO INSTALLATION IN THE FIELD. RED-LINE CHANGES BY THE DESIGN PROFESSIONAL ARE ACCEPTABLE.
- WITHIN 7 DAYS AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. FAILURE OF OBTAINING THIS INSPECTION IS A DIRECT VIOLATION OF THE NPDES PERMIT.

**59** INTERMEDIATE PHASE EROSION CONTROL NOTES

(SEE PLANS FOR APPLICABILITY)

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INTERMEDIATE PHASE OF CONSTRUCTION:

- THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
- TEMPORARY SEDIMENT BASINS (S43) SHALL BE MAINTAINED AND CLEANED OUT WHEN SEDIMENT REACHES THE 1/3 VOLUME INDICATOR MARK.
- REMOVED SEDIMENT SHALL BE DISPOSED OF AND/OR STABILIZED SO THAT IT WILL NOT ESCAPE THE SITE OR BE WASHED INTO INLETS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THESE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WITH ROADWAY MAINTENANCE IMPROVEMENTS ARE BEING MADE.
- INSTALL ROLLED SLOPE STABILIZATION BMP'S AS SHOWN ON THE PLANS.
- STONE/HAYBALE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
- ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
- ANY LOOSE MATERIAL DEPOSITED ON EXISTING PAVEMENT SHALL BE BRUSHED OR BROOMED AND REMOVED ON A DAILY BASIS.

**60** FINAL PHASE EROSION CONTROL NOTES

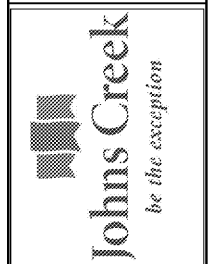
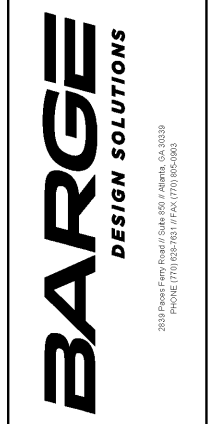
(SEE PLANS FOR APPLICABILITY)

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:

- SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
- THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT BASINS AND EROSION CONTROL DEVICES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE BASINS WHEN IT REACHES THE 1/3 VOLUME INDICATOR MARK.

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EXPIRES 10/05/2020

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ES&PC PROJECT SPECIFIC NOTES & SAMPLING  
MULTIUSE TRAIL PHASE 1 SEGMENT  
CAULEY CREEK PARK  
JOHNS CREEK, GA

REV	DATE	DESCRIPTION
A	05/11/2020	10% OWNER REVIEW
B	06/16/2020	DRAFT BID PACKAGE
C	07/14/2020	BID PACKAGE

C2.22  
FILE NO. 38106-03