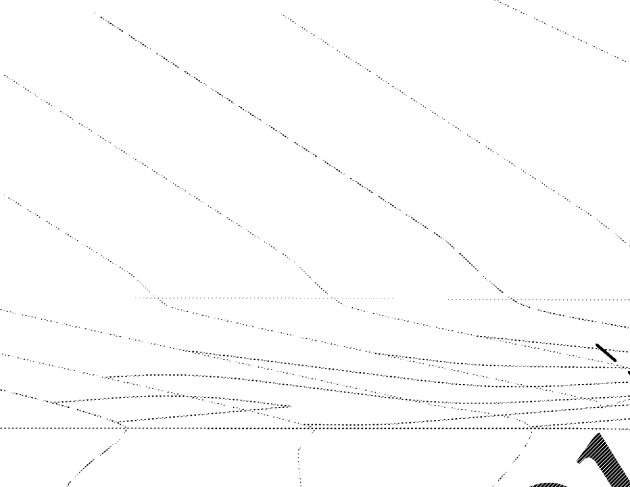


BEST MANAGEMENT PRACTICES NOTES

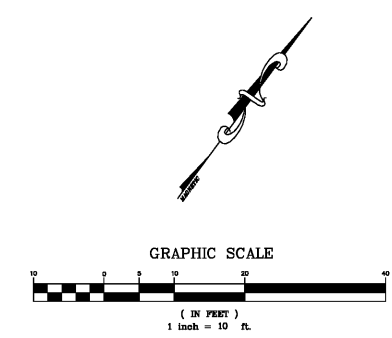
1. OTHER THAN LAND-CLEARING ACTIVITIES REQUIRED TO INSTALL THE APPROPRIATE BMP IN ACCORDANCE WITH THE BMP PLANS, ANY DOWN SLOPE EROSION CONTROL MEASURES (ON-SITE STREAM CHANNEL PROTECTION AND UPSLOPE DIVERSION OF DRAINAGE REQUIRED BY THE BMP PLAN SHALL BE IN PLACE AND FUNCTIONAL BEFORE ANY CLEARING OR EARTH MOVING OPERATIONS BEGINS AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT SHALL BE REPLACED AT THE END OF THE WORKDAY WITH WRITTEN PERMISSION FROM THE COMPTROLLER. THE CONTRACTOR MAY PHASE THE INSTALLATION/REMOVAL OF THE BMP'S TO COORDINATE WITH THE CONSTRUCTION PROCESS.
2. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. ANY SLOPE OR FILL WHICH HAS BEEN GRADED SHALL WITHIN THIRTEEN (13) DAYS OF THE COMPLETION OF SUCH GRADING OR THE COMPLETION OF ANY PHASE OF GRADING BE PLANTED OR OTHERWISE BE PROVIDED WITH GROUND COVER, MATERIALS, DEVICES, OR STRUCTURES SUFFICIENT TO RETAIN EROSION. THE BMP'S SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED.
3. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, MONTHLY IN DRY PERIODS, AND WITHIN 24 HOURS AFTER ANY RAINFALL AT THE SITE OF 75 INCH WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALLS, DAILY CHECKS AND REPAIRS, IF NECESSARY, REPAIRING SHALL BE DONE. THE PERMITTEE SHALL MAINTAIN WRITTEN RECORDS OF SUCH CHECKS AND REPAIRS, WHICH RECORDS SHALL BE SUBJECT TO THE INSPECTION OF THE OFFICIAL AT ANY REASONABLE TIME.
4. CONTROL MEASURES SHALL BE MAINTAINED AS AN EFFECTIVE BARRIER TO SEDIMENTATION AND EROSION IN ACCORDANCE WITH THE PROVISIONS OF THIS ORDINANCE.
5. ALL BEST MANAGEMENT PRACTICES SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR ACCORDING TO THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT OF CONSTRUCTION SITES AND URBAN AREAS (MARCH 2014 #4) BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE HANDBOOK AND THE STANDARDS AND MATERIALS CONTAINED THEREIN. THE HANDBOOK MAY BE PURCHASED FROM THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY.
6. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED ACCORDING TO ALL ADEM AND EPA BEST MANAGEMENT PRACTICES AND THE NPDES PERMIT ASSOCIATED WITH THIS SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND/OR SUPPLEMENTATION OF ANY CONTROL MEASURES THAT ARE NOT FUNCTIONING PROPERLY. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE CONSIDERED A MINIMUM.

- ### NOTES
1. ALL LANDSCAPING AREAS SHALL BE AS PER THE LANDSCAPE DRAWING.
 2. ALL REGRADED AREAS NOT TO BE PAVED, SHALL BE SEEDED AND MULCHED ACCORDING TO A.L.D.O.T. PERMANENT SEEDING SCHEDULES.
 3. ALL BEST MANAGEMENT PRACTICES SHOWN SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE BMP'S ACCORDING TO ALL ADEM/EPA STANDARDS & SPECIFICATIONS.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, REPAIRING AND SUPPLEMENTING THE BMP'S SHOWN IN ORDER TO COMPLY W/ THE NPDES PERMIT FOR THIS SITE.
 5. THE CONTRACTOR SHALL MAINTAIN ALL BMP'S UNTIL AN ACCEPTABLE STAND OF GRASS HAS BEEN ACHIEVED AND A NOTICE OF TERMINATION HAS BEEN FILED W/ ADEM.
 6. ANIONIC POLYACRYLAMIDE PRODUCTS USED SHALL BE APPLIED POLYMER SYSTEMS, INC. NON-TOXIC FLOCCULANTS MADE SPECIFICALLY FOR STORM WATER SEDIMENT CONTROL. APPLICATIONS OF APPROVED EQUAL. FURTHERMORE, THE TYPE OF FLOCCULANT USED SHALL BE DETERMINED BY SOIL TYPE (AS DETERMINED BY SOIL TESTING COORDINATED WITH THE VENDOR BY THE CONTRACTOR) SPECIFIC TO THE AREAS OF THE JOB SITE WHERE THEY ARE TO BE USED.
 7. ANIONIC POLYACRYLAMIDE STORM WATER FLOCCULANT LOSS (FLOC LOSS) SHALL BE INSTALLED IN SPECIFIED INLETS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL BE CHECKED REGULARLY AND REPLACED AS NEEDED.
 8. ANIONIC POLYACRYLAMIDE STORM WATER FLOCCULANT POWDER SHALL BE SPREAD OVER THE SPRAY IRRIGATION BED WITH A VENTILATOR SPRAYER IN AN EVEN PATTERN AT WHATEVER DENSITY AND FREQUENCY THE MANUFACTURER RECOMMENDS, AND AFTER EVERY SIGNIFICANT RAIN EVENT.
 9. THE USE OF A PARTICULAR INLET PROTECTION METHOD SHALL BE APPROPRIATE FOR THE PHASE OF CONSTRUCTION.
 10. CONSTRUCTION OF THE SITE DETENTION POND AND THE TEMPORARY SEDIMENT POND SHALL TAKE PLACE PRIOR TO ANY EARTH MOVING ACTIVITIES ON THE SITE. THE TEMPORARY SEDIMENT POND SHALL NOT BE FILLED AND FINISHED GRADED UNTIL AFTER THE REMAINDER OF THE SITE IS FINISH GRADED AND PAVED. CONSTRUCTION OF THE INLETS, MANIFOLDS AND THE LAYING OF STORM SEWER PIPE IN THE AREA OF THE TEMPORARY SEDIMENT POND SHALL NOT OCCUR UNTIL AFTER THE REMAINDER OF THE SITE IS FINISH GRADED AND PAVED. CONSTRUCTION OF THE OUTLET STRUCTURE FOR THE SITE DETENTION POND SHALL NOT OCCUR UNTIL AFTER THE REMAINDER OF THE SITE IS FINISH GRADED AND PAVED.
 11. SEDIMENT WHICH COLLECTS IN SEDIMENT POND SHALL BE REMOVED WHENEVER THE DEPTH OF THE SEDIMENT EXCEEDS THE HEIGHT OF THE OUTLET STRUCTURE, 24", OR ONCE EVERY MONTH, WHICHEVER HAPPENS FIRST. IN ADDITION ALL SEDIMENT AND LOOSE SOIL SHALL BE CLEARED/MANICURED OUT OF THE TEMPORARY SEDIMENT POND INSIDE THE PROPOSED PARKING AREA TO WHATEVER EXTENT SATISFIES THE GEOTECHNICAL ENGINEER AND COMPACTED STRUCTURAL FILL SHALL BRING THE AREA TO GRADE. ONCE ALL OTHER AREAS TO BE PAVED IN THE PROPOSED PARKING AREA HAVE BEEN FINISH GRADED AND PAVED.
 12. TEMPORARY INLET RISERS SHALL NOT BE REMOVED UNTIL THE PARKING LOT IS FINISH GRADED, PAVED, AND READY FOR THE INSTALLATION OF FRENCH DRAINS AND LANDSCAPING IN THE "BIO-SHALETS" AS DIRECTED BY THE LANDSCAPE ARCHITECT.
 13. AREAS DESIGNATED AS "SPRAY BEDS" SHALL REMAIN UNDISTURBED. EROSION CONTROL BLANKETS SHALL BE INSTALLED PER THE "SPRAY BED DETAIL" ON TOP OF/AROUND WHATEVER NATURAL VEGETATION EXISTS IN THIS AREA. ONCE SEDIMENT BUILDS UP IN THESE AREAS SUCH THAT THE EROSION CONTROL BLANKET OR NATURAL VEGETATION CAN NOT BE SEEN, MORE EROSION CONTROL BLANKETS SHALL BE INSTALLED ON TOP OF THE SEDIMENT AND THE FLOCCULANT POWDER SHALL BE RE-APPLIED.
 14. ALL BMP'S LOCATED WITHIN THE RIGHT-OF-WAY SHALL BE MATERIALS APPROVED BY A.D.O.T. AND SHALL BE INSTALLED AS PER A.D.O.T. STDS. & SPECIFICATIONS.



EROSION AND SEDIMENTATION CONTROL LEGEND

Site Preparation	Runoff Conveyance	Site Water Management
CEP Construction Exit Pad	CD Check Dam	PP Pavement
LG Land Grading	DV Diversion Channel	SDB Storm Water Detention Basin
TSG Top soiling	DRS Drop Structure	TRE Temporary Inlet Riser Extension
Surface Stabilization	Stream Protection	
CHS Chemical Stabilization	LS Lined Swale	BZ Buffer Zone
DSF Dune Sand Fence	OP Outlet Protection	CS Channel Stabilization
DVP Dune Vegetation Planting	RS Riprap Swale	SP Stream bank Protection
DW Dune Walkover	SD Surface Drain	TSC Temporary Stream Crossing
DC Dust Control	TDS Temporary Slope Drain	BG Baffle Grid
ECB Erosion Control Blanket	Sediment Control	
GK Grounds Keeping	EW Erosion Control Blanket	
MU Mulching	FB Floating Turbidity Barrier	
PS Permanent Seeding	RD Rock Filter Dam	
PV Presence of Vegetation	SB Sediment Barrier	
RW Retaining Wall	SDN Sediment Basin	
SVG Shrub, Vine, Groundcover Plantings	SST Straw Bale Sediment Trap	
SOD Sodding	TSI Temporary Sediment Trap	
TS Temporary Seeding	SL Sediment Log (20') / Wattle	
TP Tree Planting in Disturbed Areas	HIF HDPE Inlet Filter	
OT Cotton Fiber Matrix Hydrosedding	PFL Anionic Polyacrylamide Storm Water Flocculant Log	
	PFPP Anionic Polyacrylamide Storm Water Flocculant Powder	



LEGEND

[Dashed line]	APPROXIMATE LIMITS OF TEMPORARY SEDIMENT POND
[Stippled pattern]	CLASS-I WIRE REINFORCED SILTFENCE
[Stippled pattern]	CLASS II RIP-RAP
[Circled cross-hatch]	FILTER SACK
[Horizontal lines]	STAKED HAYBALES
[Diagonal lines]	INLET PROTECTION
[Dotted pattern]	CONSTRUCTION ENTRANCE
[Stippled pattern]	EROSION CONTROL BLANKET
[Wavy line]	20' SEDIMENT LOG / WATTLE
[Circled cross-hatch]	BRUSH FABRIC BARRIER
[Circled cross-hatch]	TEMPORARY INLET RISER (SEE DETAIL)

NPDES CONSTRUCTION STORMWATER PERMIT #

WWW.DIline.com

GMC

2701 1st Avenue S
Birmingham, AL 35233
T 205.879.4482
GMCNETWORK.COM

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CHECKED BY: LCV

Oneonta Community Development
Center
100 1st Ave W.
Oneonta, AL 35212

GMC Project #ABHM170022

EROSION AND SEDIMENT CONTROL PLAN

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