RELEASED FOR CONSTRUCTION 12/02/10

Georgia Department of Transportation ESPCP General Notes
Updated: August 26, 2008
(Sheet 2 of 5)

READY MIX CHUTE WASH-DOWN
The washing of ready-mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site. In accordance with standard Specification 107 - Legal Regulations and Responsibility to the Public, only the discharge "chute" utilized in portland cement concrete delivery may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travel way, including shoulders, for a wash/pit area. The pit shall be large enough to store all wash-down water without overtopping the pit. Immediately After the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above shall be graded to match the elevation of the surrounding areas smoothed out. Alternate wash down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for wash-down, (3) the pit has enough volume for wash-down water, and (4) make sure you have permission to use the area for wash-down. On some sites, you may not have permission or access to a location which allows for a wash-down pit. In those cases, the Contractor may have to wash-down into a wheelbarrow or other container and carry the container for transport to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

STREAM BUFFER ENCROACHMENT
Stream Buffers are impacted by this project.

The Contractor is not authorized to enter into stream buffers, except as described in the table below:

Name (name or number of feature)	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?
	Alignment	Begin Sta (Lt or RT)	Ending Sta (Lt or RT)			
STREAM 1A	I-575	600+00, LT	600+00, RT	Warm	NO	No
STREAM 1	I-575	604+00, LT	607+34, LT	Warm	NO	NO
STREAM 3	I-575	615+50, RT	615+50, LT	Warm	NO	NO
STREAM 3A	I-575	619+50, LT	619+50, LT	Warm	Yes	NO
STREAM 4A	I-575	647+40, LT	649+80, LT	Warm	NO	NO
STREAM 4B	RAMP D	710+50, LT	710+50, LT	Warm	Yes	NO
STREAM 4C	RAMP D	713+00, LT	713+00, LT	Warm	Yes	NO
STREAM 5A	RELOC. ROPE MILL RD	218+20, LT	218+80, LT	Warm	NO	NO
STREAM 5	RELOC. ROPE MILL RD	210+70, LT	219+60, RT	Warm	Yes	NO
STREAM 7	RAMP C RAMP B	425+35, LT	427+00, RT	Warm	NO	NO
Construction activities within the stream buffer consist of culvert reconstruction, minor grading operations required for slope reconstruction, guardrail installation, and base and paving operations						

*Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.
** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

VEGETATION AND PLANTING SCHEDULE

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

THE SEEDING TABLE BELOW SHOULD BE USED IN DETERMINING GRASS SPECIES DEPENDENT ON PLANTING DATES. CHEROKEE COUNTY IS IN PLANTING ZONE 1.

APPLY FERTILIZER AS FOLLOWS:

AGRICULTURAL LIME-UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT APPROXIMATE RATE DETERMINED BY THE LABORATORY SOIL TEST.

FERTILIZER MIXED GRADE-UNIFORMERLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200 LBS/ACRE. IF USING HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY IT AT THE SAME RATE PER ACRE AS THE STANDARD FERTILIZER.

SELECT FERTILIZER MIXED GRADE SUCH AS 10-10-10, 6-12-12, 5-10-15, OR OTHER ANALYSIS WITHIN THE FOLLOWING LIMITS:
NITROGEN 5 TO 10 PERCENT
PHOSPHORUS 10 TO 15 PERCENT
POTASSIUM 10 TO 15 PERCENT
IF USING MIXED GRADE FERTILIZER FOR HYDROSEEDING, ENSURE IT HAS THE FOLLOWING ANAYSIS:
NITROGEN 5 TO 19 PERCENT
PHOSPHORUS 10 TO 19 PERCENT
POTASSIUM 10 TO 19 PERCENT

SEEDING TABLE

PLANTING ZONES	PLANTING DATES	POUNDS (KG) OF SEED PER ACRE (HECTACRE)									
		RYE GRASS MILLET CEREAL GRASS (OATS)	COMMON BERMUDA GRASS (HULLED)	COMMON BERMUDA GRASS (UNHULLED)	TALL FESCUE	WEEPING LOVE GRASS	WHITE OR CRIMSON CLOVER	COMMON VETCH	SCARIFIED INTERSTATE LESPEDEZA	UNSCARIFIED INTERSTATE LESPEDEZA	REQUIRED PERMANENT PLANTING
1	MARCH 1- MAY 15		10 (11)	10 (11)	50 (56)						COMMON BERMUDA GRASS
1	MAY 1- JULY 31		10 (11)	10 (11)							
1	AUGUST 1 - FEBRUARY 28	15 (17)									
1	NOVEMBER 15 - JANUARY 31						6 (7)				
2, 3, 4	FEBRUARY 25 - AUGUST 31		10 (11)	10 (11)							
2, 3, 4	SEPTEMBER 1 - FEBRUARY 14	15 (17)									COMMON BERMUDA GRASS
2, 3, 4	NOVEMBER 15 - JANUARY 31						6 (7)				

	PLANT THESE COMBINATIONS ON BACK SLOPES, FILL SLOPES AND AREAS WHICH WILL NOT BE SUBJECT TO FREQUENT MOWING											
1, 2	MARCH 1 - JULY 31					4 (5)			50 (56)			INTERSTATE LESPEDEZA OF CROWN VETCH
1, 2	AUGUST 1 - FEBRUARY 28				30 (34)			15 (17)		75 (84)		
3, 4	AUGUST 15 - AUGUST 31					4 (5)			50 (56)			INTERSTATE LESPEDEZA
3, 4	SEPTEMBER 1 - FEBRUARY 14	50 (56)								75 (84)		

MONITORING GENERAL NOTES:
Representative sampling may be utilized on this project. The characteristics of the individual watersheds along the project corridor have been carefully evaluated and compared on the basis of drainage characteristics, watershed size, land disturbance and earth work. After evaluation of these items as presented in the projects drainage area maps, hydrology and hydraulic studies, construction plans and erosion sedimentation and pollution control plans, it has been determined that the increase in turbidity at the specified locations will be representative of the increase in turbidity for all waters leaving the site. Approved primary and alternate representative monitoring sites are identified in the table:

MULCHING SCHEDULE

MULCHING MATERIAL	RATE/ACRE
DRY STRAW OR HAY	2.5 TONS
WOOD WASTE, CHIPS SAWDUST, OR BARK	6 TO 9 TONS (2 TO 3" DEEP)

Monitoring site	Primary or Alternate Site	Location (Sta. and Side)	Name of Receiving water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (Acres)	Site Size (Acres)	Warm or Cold water Stream	Appendix B NTU value (outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description
1.	Primary	710+65, LT	NOONDAY CREEK	Stage 1,2,3	Outfall	16	134	Warm	50		Outfall of Proposed Culvert Extension
2.	Alternate	219+75, LT	LITTLE RIVER	Stage 1,2,3	Outfall	3.2	134	Warm	50		Outfall pipe from sd3 #8
3.	Alternate	511+10, LT	LITTLE RIVER	Stage 1,2,3	Outfall	2.9	134	Warm	50		Outfall pipe from sd3 #5
4.	Alternate	606+75, LT	NOONDAY CREEK	Stage 1,2,3	Outfall	1.8	134	Warm	50		Outfall Of proposed ditch

The primary site specified should be used as the initial sampling location. The alternate sampling sites may be used if additional sampling is required and/or if the primary sampling site is no longer located within the active phase of construction.

EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE
CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INSTALLATION OF CONSTRUCTION EXIT, PERIMETER SILT FENCE & TREE PROTECTION FENCE	■																							
CLEARING & GRUBBING	■	■	■																					
ROUGH GRADING & DRAINAGE	■	■	■	■	■	■	■	■	■															
INSTALLATION OF UTILITY LINES (S.S./WATER/STORM)	■	■	■	■	■	■	■	■																
INSTALL GRADING PHASE EROSION MEASURES								■	■															
CURB & GUTTER AND PAVEMENT										■	■	■	■	■	■	■	■							
FINAL GRADING																■	■	■	■	■	■	■		
FINAL GRADE & GRASSING																		■	■	■	■	■	■	
REMOVE TEMPORARY EROSION MEASURES AND TREE PROTECTION FENCING																								■

THE LPA GROUP
TRANSPORTATION CONSULTANTS
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES
12/20/10

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY

ESPC GENERAL NOTES

DRAWING No.
51-002

3/1/2007 GPLN