Attachment 5

Re-Vegetation Plan

RE-VEGETATION:

1. THE CONTRACTOR SHALL COORDINATE THE SEEDING OPERATIONS WITH THE GRADING OPERATIONS TO DETERMINE MOBILIZATION FREQUENCY AS EMBANKMENT AND CUT SLOPES ARE FINISHED THROUGHOUT THE DURATION OF THE PROJECT. SEEDING SHALL BE DONE DURING SUITABLE WEATHER AND SOIL CONDITIONS FOR TILLAGE AND PLACEMENT OF MATERIALS. SEEDING OPERATIONS SHALL NOT BE PERFORMED WHEN WIND WOULD PREVENT UNIFORM APPLICATION OF MATERIALS OR WOULD CARRY SEEDING MATERIALS INTO AREAS NOT DESIGNATED TO BE SEEDED.
2. FOLLOWING FINAL GRADING, THE AREAS TO BE RE-VEGETATED SHALL BE PREPARED WITH A RIPPER BAR, CHISEL PLOW OR WITH OTHER MECHANICAL DEVICES WHICH WILL PROVIDE THOROUGH SOIL CULTIVATION. FOR AREAS TOO STEEP TO BE PREPARED FOR SEEDING AFTER THE SLOPE HAS BEEN COMPLETED, TILLAGE SHALL BE ACCOMPLISHED WITH APPROPRIATE EQUIPMENT AS THE SLOPE IS BEING CONSTRUCTED. ON SLOPE AREAS, ALL TILLAGE SHALL BE DIRECTIONAL ALONG THE CONTOURS OF THE AREAS INVOLVED. ALL AREAS WHICH ARE ERODED SHALL BE RESTORED TO THE SPECIFIED CONDITION, GRADE AND SLOPE AS SHOWN ON PLANS PRIOR TO SEEDING.
3. CUT SLOPES FLATTER THAN 3:1 (HORIZONTAL TO VERTICAL) SHALL BE TILLED TO A MINIMUM DEPTH OF 12 INCHES. FILL SLOPES FLATTER THAN 3:1 (HORIZONTAL TO VERTICAL) SHALL BE TILLED TO A MINIMUM DEPTH OF 6 INCHES.
4. DEBRIS/TRASH/ROCKS OF SIGNIFICANT SIZE SHALL BE REMOVED PRIOR TO TILLING AND SEEDING OF SOIL.
5. SOIL TESTING SHALL BE COMPLETED PRIOR TO PERMANENT SEEDING COMMENCING TO DETERMINE IF FERTILIZERS AND/OR SOIL AMENDMENTS ARE NECESSARY FOR RE-VEGETATION GROWTH.
6. APPLY FERTILIZERS AND/OR SOIL AMENDMENTS AS NECESSARY FOLLOWING SOIL TESTING.
7. TEMPORARY AND PERMANENT SEED APPLICATION SHALL BE IMPLEMENTED UTILIZING DRILL SEEDING, HYDROSEEDING OR BROADCASTING.
   - 7.1. DRILL SEEDING WITH STRAW MULCH AND HYDROSEEDING SHALL BE CONSIDERED AS THE PREFERRED METHOD OF SEED APPLICATION.
   - 7.2. SEEDS NOT SUITABLE FOR DRILL SEEDING AND HYDROSEEDING SHALL BE BROADCASTED MANUALLY AFTER THE FINAL SOIL TILLAGE.
   - 7.3. STRAW MULCH OR HYDRAULICALLY APPLIED STRAW MULCH SHALL BE APPLIED ON DRILLED OR HYDROSEEDED AREAS WITH CRIMPING AND TACKING WITHIN 24 HOURS OF SEED APPLICATION.
8. TEMPORARY SOIL STABILIZATION SHALL BE COMPLETED USING THE SEED MIXTURE QUICKGUARD, A STERILE, NON-RESEEDING VEGETATION BY GRANITE SEED. APPLICATION RATES FOR QUICKGUARD CAN BE FOUND IN TABLE 3.
9. PERMANENT SOIL STABILIZATION SHALL USE THE SEED MIXTURE IN TABLE 4 OR APPROVED EQUAL.

TABLE 3: TEMPORARY SEED APPLICATION RATES FOR QUICKGUARD	
APPLICATION METHOD	APPLICTION RATE (LB/ACRE)
DRILL SEEDING	60 LB/ACRE
HYDROSEEDING	80 LB/ACRE
BROADCAST SEEDING	100 LB/ACRE

TABLE 4: PERMANENT SEED APPLICATION RATES	
SEED MIX	APPLICTION RATE (LB/ACRE)
INDIAN RICE GRASS	4 LB/ACRE
SQUIRREL TAIL	2 LB/ACRE
SLENDER WHEAT GRASS	3 LB/ACRE
IDAHO FESCUE	1 LB/ACRE
BASIN WILD RYE	3 LB/ACRE
SANDBURG BLUEGRASS	0.5 LB/ACRE
BLUEBUNCH WHEAT GRASS	3 LB/ACRE
QUICKGUARD	2 LB/ACRE

BMP MATRIX FOR CONSTRUCTION PHASES

	Clearing	Mass Grading	Utility Installation	Civil & Turbine Foundation Const.	Turbine Erection	Final Stabilization	Wet Weather (Oct. 1-May 31st)
Erosion Prevention							
Preserve Natural Vegetation	**X	X	X	X	X	X	X
Ground Cover							
Hydraulic Applications							
Plastic Sheeting	X	X					
Matting							
Dust Control	X	X	X	X	X		X
Temporary/Permanent Seeding	X	X	X	X	X	X	X
Buffer Zone							
Other: EC Blankets		X		X	X	X	X
Sediment Control							
Sediment Fence (Perimeter)							
Sediment Fence (Interior)	**X	X	X	X	X		X
Straw Waddles		X		X			X
Filter Berm							
Inlet Protection							
Dewatering					X		
Sediment Trap							
Other:							
Run Off Control							
Construction Entrance	X	X	X	X	X		X
Pipe Slope Drain							
Outlet Protection							
Surface Roughening	X	X	X	X	X		X
Check Dams	X	X		X			X
Other:							
Pollution Prevention							
Proper Signage	X	X	X	X	X	X	X
Hazardous Waste Management	X	X	X	X	X	X	X
Spill Kit On-Site	X	X	X	X	X	X	X
Concrete Washout Area				X	X		
Other:							

** Signifies BMP will be installed prior to any upslope disturbance