Metric

GENERAL NOTES FOR EROSION PREVENTION AND SEDIMENT CONTROL

1. THE EROSION PREVENTION & SEDIMENT CONTROL PLANS (EP&SCP) ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT AS REQUIRED BY THE VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006 AND THE VERMONT AGENCY OF NATURAL RESOURCES (ANR) GENERAL PERMIT 3-9001(2003) FOR STORMWATER RUNOFF FROM LARGE CONSTRUCTION SITES. THE WORK OUTLINED IN THESE NOTES CONSISTS OF APPLYING MEASURES THROUGHOUT THE LIFE OF THE PROJECT TO MINIMIZE EROSION AND MINIMIZE THE SEDIMENTATION OF RIVERS, STREAMS AND/OR IMPOUNDMENTS SUCH AS LAKES AND RESERVOIRS. THE MEASURES CONSIST OF SLOPE STABILIZATION, STORMWATER CONTROLS AND OTHER MISCELLANEOUS POLLUTION PREVENTION CONTROLS.

2. THE CONTRACTOR SHALL AMEND THIS PLAN PRIOR TO IMPLEMENTING ANY CHANGES IN THE DESIGN, CONSTRUCTION, OPERATION OR OTHER PROCEDURE WHICH WOULD SIGNIFICANTLY INCREASE THE RISK OF EROSION AND THE DISCHARGE OF SEDIMENT TO WATERS OF THE STATE OR IF THE PLAN PROVES TO BE INEFFECTIVE IN PREVENTING EROSION AND CONTROLLING THE DISCHARGE OF SEDIMENT OR DOES NOT MEET THE MINIMUM REQUIREMENTS OF THE GENERAL PERMIT. CHANGES IN THE PROJECT SCHEDULE THAT SIGNIFICANTLY INCREASE THE LENGTH OF EXPOSURE OF SOILS; THAT SHIFT EARTHWORKS INTO THE WINTER SEASON; OR THAT REDUCE THE ISOLATION DISTANCE BETWEEN DISTURBANCE AREAS AND STATE WATERS ARE INCLUDED IN THIS CATEGORY. THE AMENDED PORTIONS OF THE PLAN SHALL BE FILED WITH THE VERMONT AGENCY OF NATURAL RESOURCES, THE USCOE, THE AGENCY'S RESIDENT ENGINEER AND THE AGENCY'S CONSTRUCTION ENVIRONMENTAL ENGINEER ALONG WITH AN EXPLANATION OF THE REASONS FOR THE CHANGES. IF BORROW OR SPOIL AREAS ARE TO BE USED THAT WERE NOT INCLUDED IN THE ORIGINAL PLAN, PLAN AMENDMENT IS REQUIRED BEFORE USE OF SUCH AREAS; THIS APPLIES EVEN IF THE AREAS ARE OFF SITE, EXCEPT FOR BORROW AREAS THAT ARE OPERATING UNDER A 10 V.S.A. CHAPER 151 ('ACT 250') PERMIT. THE VERMONT AGENCY OF NATURAL RESOURCES, THE USCOE, THE AGENCY'S RESIDENT ENGINEER AND THE AGENCY'S CONSTRUCTION ENVIRONMENTAL ENGINEER WILL MAKE A DETERMINATION AS TO WHETHER AUTHORIZATION UNDER THIS GENERAL PERMIT IS STILL APPROPRIATE OR IF INSTEAD AN INDIVIDUAL PERMIT WILL BE NECESSARY PURSUANT TO PART 11(F) OF THE GENERAL PERMIT. THE REQUIREMENT TO FILE THE AMENDED PLAN IS NOT INTENDED TO DELAY THE IMPLEMENTATION OF REASONABLE AND EFFECTIVE STEPS TO CONTROL EROSION DUE TO UNFORESEEN CIRCUMSTANCES, WHERE INACTION WOULD SIGNIFICANTLY DEGRADE WATER QUALITY.

3. COORDINATE THE INSTALLATION, USE AND REMOVAL OF EROSION PREVENTION AND SEDIMENT CONTROL MEASURES WITH CONSTRUCTION ACTIVITIES TO ASSURE ECOLOGICAL, EFFECTIVE AND CONTINUOUS EROSION PREVENTION AND SEDIMENT CONTROL. EMPLOY TEMPORARY STABILIZATION PRACTICES IN INCREMENTAL STAGES AS CONSTRUCTION PROCEEDS.

4. INSPECTION OF SOIL EROSION AND POLLUTION CONTROL MEASURES, SHALL BE DONE ON A DAILY BASIS AND AFTER EVERY STORM GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. REPAIRS SHALL BE MADE AS NEEDED AND SEDIMENT SHALL BE REMOVED WHEN THE STORAGE VOLUME OF A SEDIMENT CONTROL MEASURE IS APPROACHING ONE HALF OF ITS INTENDED CAPACITY OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.

5. INSTALL ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES AS SHOWN IN THE EP&SCP OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. DO NOT MODIFY THE TYPE, SIZE, OR LOCATION OF ANY CONTROL OR PRACTICE WITHOUT APPROVAL FROM THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.

6. PREVENTING INITIAL SOIL EROSION IS MUCH MORE EFFECTIVE THAN TRYING TO CONTROL ERODED SEDIMENT. THEREFORE, STABILIZE ALL DISTURBED AREAS AS SOON AS PRACTICAL, BUT NO MORE THAN 48 HOURS AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED EXCEPT FOR PERIMETER CONTROL MEASURES WHICH SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING, GRUBBING OR GRADING ACTIVITY.

7. THE CONTRACTOR SHALL MONITOR THE WATER QUALITY OF THE JEWETT BROOK UPSTREAM AND DOWNSTREAM OF THE CONSTRUCTION AREA AFTER EVERY STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. ALL CONSTRUCTION ACTIVITIES SHALL CEASE IF A DIFFERENCE IN TURBIDITY LEVELS OF 10 NTU'S (NEPHELOMETER TURBIDITY UNITS) IS MEASURED AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR DAMAGE AND REPAIRED AS NECESSARY. IF ADDITIONAL EROSION PREVENTION & SEDIMENT CONTROL MEASURES ARE REQUIRED AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR THEY SHALL BE INSTALLED PER THIS PLAN AND SHALL BE PAID FOR UNDER THE APPROPRIATE ITEM(S). THE CONTRACTOR'S ON-SITE PLAN COORDINATOR SHALL NOTIFY THE VERMONT AGENCY OF NATURAL RESOURCES, THE USCOE, THE AGENCY'S RESIDENT ENGINEER AND THE AGENCY'S CONSTRUCTION ENVIRONMENTAL ENGINEER (IN WRITING WITHIN 7 DAYS) IN THE EVENT OF A WATER QUALITY STANDARDS VIOLATION.

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8. THE CONTRACTOR SHALL GRADE AND TRIM ALL SLOPES AS THE EXCAVATION PROGRESSES AND SEED ALL SLOPES AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. NO SEEDING SHALL TAKE PLACE BEFORE APRIL 15 OR AFTER SEPTEMBER 15 DURING ANY CONSTRUCTION SEASON UNLESS DIRECTED OTHERWISE BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. THE CONTRACTOR SHALL TEMPORARILY STABILIZE ALL SLOPES NO LATER THAN OCTOBER 15 WITH NON-VEGETATIVE PROTECTION MEASURES PRIOR TO SHUTTING DOWN FOR WINTER OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A WINTER CONSTRUCTION PERMIT FROM THE VERMONT AGENCY OF NATIONAL RESOURCES IF THEY WISH TO PERFORM EARTHWORK BETWEEN OCTOBER 15 AND MAY 1 OF ANY GIVEN YEAR.

9. THE CONTRACTOR SHALL HAVE A HYDROSEEDER AND/OR A MULCHING MACHINE AVAILABLE ON THE PROJECT SITE OR AVAILABLE AT 48 HOURS NOTICE (MAXIMUM) UNTIL THE PERMANENT SEEDING IS COMPLETED. SLOPES WILL BE SEEDED AND MULCHED AS SOON AS PRACTICAL TO THE LIMIT OF SOIL DISTURBANCE.

10. SILT FENCE SHALL BE INSTALLED IN FILL AREAS PRIOR TO COMMENCING FILL OPERATIONS.

11. THE CONTRACTOR'S ON-SITE PLAN COORDINATOR FOR DURATION OF THE PROJECT SHALL BE DETERMINED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

12. THE LIMIT OF SOIL DISTURBANCE TYPICALLY CORRESPONDS TO THE TOE OF SLOPE OR TOP OF CUT AS IT IS SHOWN ON THE CONTRACT PLANS.

13. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE WATERS OF THE UNITED STATES FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR THE WATERS OF THE UNITED STATES. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO THE WATERS OF THE UNITED STATES ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH WOULD CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM THE WATERS OF THE UNITED STATES, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM TO PROTECT AND MAINTAIN STREAM WATER QUALITY.

14. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO THE WATERS OF THE UNITED STATES, NOR SHALL WASHING FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLANDS OR WATERS OF THE UNITED STATES.

15. THE CONTRACTOR SHALL CONSTRUCT A VEHICLE TRACKING PAD WHEREVER CONSTRUCTION EQUIPMENT IS ANTICIPATED TO ENTER AND EXIT THE CONSTRUCTION AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.

16. DO NOT ALLOW CONSTRUCTION VEHICLES TO TRACK SEDIMENT OFFSITE OF THE PROJECT LIMITS.

17. DO NOT ALLOW ANY CONSTRUCTION EQUIPMENT TO ACCESS OR OPERATE ON THE OUTSIDE OF PERIMETER CONTROL MEASURES.

18. DO NOT ALLOW ANY CROSSING OF A FLOWING STREAM OR DISTURBANCE OF THE EXISTING STREAM BANK BY CONSTRUCTION EQUIPMENT EXCEPT AS AUTHORIZED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.

19. IN GENERAL, PRESERVE EXISTING VEGETATION, TREES, AND SHRUBS WHEN POSSIBLE AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.

20. ADDITIONAL CONTROLS AND PROTECTION OF THE ENVIRONMENT NOT SHOWN ON THE PLANS MAY BE WARRANTED DURING CONSTRUCTION AND SHALL BE INCORPORATED INTO THE PROJECT AS REQUIRED OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.

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VERMONT AGENCY OF TRANSPORTATION

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