

BMP MAINTENANCE SCHEDULES

GENERAL MAINTENANCE PROGRAM NOTE FOR ALL BMPS

THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTINUOUS MAINTENANCE OF ALL E&S AND SR MEASURES AND DEVICES FOR THE DURATION OF THE PROJECT UNTIL WHICH TIME THE AREA IS STABILIZED WITH A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER AND RECEIVED A WRITTEN APPROVAL OF NOTICE OF TERMINATION.

ROUTINE MAINTENANCE CHECKS WILL BE REQUIRED TO INSURE THE EFFICIENCY OF ALL THE SEDIMENT CONTROL DEVICES. AT A MINIMUM, ALL STRUCTURES AND DEVICES SHALL BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS AND AFTER EACH STORMWATER EVENT. THIS INSPECTION SHALL BE FOLLOWED UP WITH A REPAIR SCHEDULE OF ALL NOTED DEFICIENCIES. A WRITTEN RECORD DOCUMENTING EACH INSPECTION AND ALL BMP REPAIR, OR REPLACEMENT AND ANY MAINTENANCE ACTIVITIES. VEGETATION PROGRESS SHALL ALSO BE INCLUDED IN THIS INSPECTION. VOID AREAS SHALL PROMPTLY BE RESEEDED AND MULCHED TO ESTABLISH PROTECTION.

ALL NECESSARY REPAIRS WILL BE MADE IMMEDIATELY AFTER ANY DEFICIENCIES HAVE BEEN OBSERVED.

INSPECTIONS

THE CONTRACTOR WILL INSPECT ALL DEVICES WEEKLY AT A MINIMUM AND AFTER EACH STORMWATER EVENT, NOTING WHEN MAINTENANCE (E.G., CLEANOUT, REPAIR, REPLACEMENT, REGRADING, RESTABILIZING, ETC.) IS REQUIRED AND/OR SPECIFIC DEFICIENCIES EXIST. ANY DEVICE FOUND TO BE CLOGGED, DAMAGED, HALF-FULL OF SILT OR NOT FULLY OPERATIONAL WILL BE CLEANED OF ALL DEBRIS. BMPS WILL BE REPAIRED OR REPLACED (AS NECESSARY) TO ENSURE EFFECTIVE AND EFFICIENT OPERATION. THE SOLID WASTE DISPOSAL IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL WEEKLY AND STORMWATER EVENT INSPECTIONS WILL BE DOCUMENTED IN A WRITTEN REPORT SUMMARIZING EACH INSPECTION AND ALL BMP REPAIR, OR REPLACEMENT AND MAINTENANCE ACTIVITIES. WRITTEN RECORDS OF ALL INSPECTIONS AND CORRECTIVE ACTIONS SHALL BE MAINTAINED AND AVAILABLE ON-SITE.

EROSION CONTROL BLANKET MAINTENANCE SCHEDULE

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 5 CALENDAR DAYS.

OFFSITE DIVERSION / COLLECTION DITCHES MAINTENANCE SCHEDULE

CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY.

DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

FOR ROCK LINED CHANNELS, THE MINIMUM ROCK THICKNESS IS 1.5 TIMES THE MAX ROCK SIZE.

PUMPED WATER FILTER BAG PAD MAINTENANCE SCHEDULE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. IT IS RECOMMENDED THAT BAGS BE PLACED ON STRAPS TO FACILITATE REMOVAL.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 gpm OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

ROCK CONSTRUCTION ENTRANCE MAINTENANCE SCHEDULE

ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE.

ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY.

IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK.

WASHING THE ROADWAY OR SWEEPING DEPOSITS INTO ROADWAY DITCHES, SEWER, CULVERTS, OR OTHER DRAINAGEWAYS IS NOT ACCEPTABLE.

RIPRAP APRON MAINTENANCE SCHEDULE

INSPECT ALL APRONS ON AT LEAST A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT.

REPLACE DISPLACED RIPRAP WITHIN THE APRON IMMEDIATELY AFTER OBSERVED.

ROCK FILTER OUTLET MAINTENANCE SCHEDULE

SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET. THE COMPOST LAYER, IF REQUIRED (IN SPECIAL PROTECTION WATERSHEDS), SHALL BE MAINTAINED TO THE DESIGN THICKNESS AND REPLACED WHEN CLOGGED.

WATER BARS MAINTENANCE SCHEDULE

WATERBARS SHALL BE INSPECTED WEEKLY (DAILY ON ACTIVE ROADS) AND AFTER EACH RUNOFF EVENT. DAMAGED OR ERODED WATERBARS SHALL BE RESTORED TO ORIGINAL DIMENSIONS WITHIN 24 HOURS OF INSPECTION.

MAINTENANCE OF WATERBARS SHALL BE PROVIDED UNTIL ROADWAY, SKIDTRAIL, OR RIGHT-OF-WAY HAS ACHIEVED PERMANENT STABILIZATION.

COMPOST FILTER SOCK MAINTENANCE SCHEDULE

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER.

ANY SECTION OF THE BARRIER WHICH HAS BEEN UNDERMINED OR TOPPED SHALL BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.

CHECK COMPOST FILTER SOCK FOR TORN OR OTHERWISE DAMAGED SECTIONS ALLOWING WATER TO FLOW UNDER OR AROUND THE BARRIER.

REPAIR ANY DEFICIENCIES IMMEDIATELY.

REPLACE BIODEGRADABLE COMPOST FILTER SOCKS 6 MONTHS AFTER INSTALLATION AND REPLACE PHOTODEGRADABLE COMPOST FILTER SOCKS 12 MONTHS AFTER INSTALLATION

WOOD CHIP BERMS MAINTENANCE SCHEDULE

BERMS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH HALF THE HEIGHT OF THE BERM. DAMAGED OR DETERIORATED PORTIONS OF THE BERM SHALL BE REPLACED IMMEDIATELY UPON INSPECTION.

DIVERSION BERMS MAINTENANCE SCHEDULE

DIVERSION BERMS SHALL BE INSPECTED WEEKLY. DAMAGED SECTIONS SHOULD BE REPAIRED AND REVEGETATED IMMEDIATELY. IF DAMAGED BY EROSION, CONTRACTION SHOULD DEPLOY ROCK, TURF REINFORCEMENT MAT, OR OTHER APPROPRIATE REINFORCEMENT.

COMPOST SOCK SEDIMENT TRAP MAINTENANCE SCHEDULE

COMPOST SOCK SEDIMENT TRAPS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT AND REPAIRED IMMEDIATELY AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE HEIGHT OF THE SOCKS. PROVIDE ADDITIONAL STAKES OR BALLAST WHERE EVIDENCE OF FLOTATION IS PRESENT.

WEIGHTED SEDIMENT FILTER TUBE MAINTENANCE SCHEDULE

INSPECT WEEKLY AND AFTER EACH RUNOFF EVENT AND REPAIR WITHIN 24 HOURS AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE HEIGHT OF THE TUBE (S). A SUPPLY OF REPLACEMENT TUBES SHOULD BE KEPT NEARBY FOR THIS PURPOSE.

CULVERT MAINTENANCE SCHEDULE

INSPECT WEEKLY (DAILY ON ACTIVE ROADS) AND AFTER EACH RUNOFF EVENT. DAMAGED OR ERODED CULVERTS SHALL BE RESTORED TO ORIGINAL CONDITIONS WITHIN 24 HOURS OF INSPECTION.

BROAD-BASED DIP MAINTENANCE SCHEDULE

INSPECT WEEKLY (DAILY ON ACTIVE ROADS) AND AFTER EACH RUNOFF EVENT. DAMAGED OR ERODED BROAD-BASED DIPS SHALL BE RESTORED TO ORIGINAL CONDITIONS WITHIN 24 HOURS OF INSPECTION.

EXISTING ACCESS ROADS

EXISTING ACCESS ROADS MAY BE INDICATED WITHIN THE LIMITS OF DISTURBANCE ON THE PLAN DRAWINGS. WHERE PRESENT, SUCH ROADS MAY BE USED FOR HAULING. SUCH ROADS SHALL BE MAINTAINED IN COORDINATION WITH THE OWNER TO PREVENT SEDIMENT POLLUTION AND IN ACCORDANCE WITH THE FOLLOWING NOTES:

1. LIMITS-OF-DISTURBANCE ARE SHOWN ONLY TO FACILITATE MINOR ROAD MAINTENANCE OR IMPROVEMENTS SUCH AS ADDITION OF GRAVEL OR CULVERTS. NO CLEARING, RE-GRADING, OR ROAD WIDENING IS TO OCCUR UNLESS SPECIFICALLY NOTED ON PLANS. GEOTEXTILE, GEOGRID, AGGREGATE, MATS, OR SHREDDED WOOD MAY BE ADDED TO REINFORCE THE EXISTING ROAD SURFACE.
2. IF CONSTRUCTION TRAFFIC CAN USE THE ROAD WITHOUT RUTTING TO AN EXTENT THAT MAY CAUSE SEDIMENT POLLUTION, THE ROCK CONSTRUCTION ENTRANCE (RCE) MAY BE RELOCATED AWAY FROM THE PUBLIC ROAD AND CLOSER TO THE WORK AREA. PERIMETER E&SC CONTROLS MAY BE REVISED ACCORDINGLY. OTHERWISE, THE RCE SHOULD BE LOCATED WHERE NECESSARY TO PREVENT TRACKING OF MUD ONTO PUBLIC ROADS.
3. IF, DESPITE THE CONTRACTORS' BEST EFFORTS, THE ACCESS ROAD DOES BECOME MUDDY, THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT DISCHARGE OF MUDDY RUNOFF. SUCH STEPS WOULD TYPICALLY INCLUDE DEPLOYMENT OF COMPOST FILTER SOCK DOWNSLOPE OF THE ROAD (USING A J-HOOK CONFIGURATION WHERE INSTALLATION ON CONTOUR IS NOT POSSIBLE). CULVERTS OR BROAD-BASED DIPS ARE TO BE PROVIDED OR MAINTAINED IN ACCORDANCE WITH THE BMP MAINTENANCE SCHEDULE. IF NECESSARY, A WASH RACK SHOULD BE OPERATED WHERE THE ACCESS ROAD MEETS THE PUBLIC ROAD TO PREVENT TRACKING OF MUD OFFSITE.
4. WHEN CONSTRUCTION IS COMPLETE, THE ACCESS ROAD IS TO BE RESTORED TO A STABLE, NON-ERODIBLE CONDITION WITH STORMWATER RUNOFF CHARACTERISTICS EQUAL TO OR BETTER THAN PRE-CONSTRUCTION.



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NOTES SHEET 1

BMP MAINTENANCE SCHEDULES

REVISIONS	DESCRIPTION	DATE	APPROVED

HORZ. SCALE:	N.T.S.
DRAWN BY:	MAG
DRAFTING CK:	-
ENGINEERING CK:	-
CONSTRUCTION CK:	-
ENVIRONMENTAL CK:	-
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SHEET 4 OF 28	REV. 0