

- ### Erosion & Sediment Control Notes:
1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. GRAVEL CONSTRUCTION ENTRANCE WILL BE INSTALLED BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF PROJECT AREA BEGINS. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
 2. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF SWANSEA REGULATIONS. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
 3. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER.
 4. SEEDING MIXTURE FOR FINISHED GRASSSED AREAS WILL BE AS FOLLOWS:
 KENTUCKY BLUE GRASS = 45 %
 CREEPING RED FESCUE = 45 %
 PERENNIAL RYE GRASS = 10 %
 SEED TO APPLIED AT A RATE OF 4 lbs / 1000 S.F. FERTILIZER SHALL BE APPLIED AT A RATE OF 2 lbs / 1000 S.F.
 PLANTING SEASON SHALL BE APRIL 1 TO OCTOBER 15. AFTER OCTOBER 15 AREAS NOT SEEDDED SHALL BE STABILIZED WITH HAY BALE CHECK, FILTER FABRIC OF WOODEN MULCH AS REQUIRED TO CONTROL EROSION.
 5. AREAS LEFT BARE BEFORE FINISH GRADING AND SEEDING IS ACHIEVED, SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYE GRASS APPLIED TO A RATE OF 2 lbs / 1000 S.F. AT A DEPTH OF 1/2". LIMESTONE (EQUIVALENT TO BE 50 % CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 lbs / 1000 S.F.. WHERE GRASS PREDOMINATES, FERTILIZER ACCORDING TO A SOIL TEST AT A MINIMUM APPLICATION RATE OF 1 lb OF NITROGEN PER 1000 S.F. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR-DRYED WOOD CHIP MULCH, FREE OF COURSE MATTER, TREATED WITH 12 lbs NITROGEN PER TON, APPLIED AT A RATE OF 185-275 lbs / 1000 S.F.
 6. CONTRACTOR SHALL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFY THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
 7. THE CONTRACTOR SHALL REQUEST THE CONSERVATION COMMISSION INSPECT AND APPROVE THE INSTALLATION OF ALL EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION. PERIODIC INSPECTIONS OF EROSION CONTROL MEASURES MAY BE PERFORMED BY THE CONSERVATION COMMISSION, THE CONTRACTOR SHALL REPAIR, UPGRADE OR REPAIR ANY MEASURES THE CONSERVATION COMMISSION MAY FEEL ARE IN NEED OF SUCH.
 8. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN FIFTEEN (15) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH, IF STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF HAY BALES. SIDE SLOPES SHALL NOT EXCEED 2 : 1. 9. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE BUT NOT LIMITED TO SPRINKLING WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC ON ADJACENT ROADWAYS.
 10. SEDIMENT SHALL BE REMOVED ONCE THE VOLUME REACHES 1/4 TO 1/2 THE HEIGHT OF THE SILT FENCE OR HAY BALE
 11. ALL STOCKPILES SHALL BE SURROUNDED BY SEDIMENT CONTROLS
 12. DISTURBED AREAS REMAINING IDLE FOR MORE THAN 14 DAYS SHALL BE STABILIZED.
 13. DUST SHALL BE CONTROLLED AT THE SITE.
 14. ALL FACILITIES USED AS TEMPORARY MEASURES SHALL BE CLEANED PRIOR TO BEING PUT INTO FINAL OPERATION.

Notes

- TO PROTECT THE INFILTRATION SURFACES (BENEATH AND ADJACENT TO THE RECHARGE SYSTEMS) FROM DEGRADATION BY CONSTRUCTION ACTIVITIES INCLUDE:
1. PREVENTION OF CONTAMINATION OF THE EXPOSED SUBGRADE BY CONSTRUCTION VEHICLES.
 2. PREVENTION OF EXCESSIVE COMPACTION BY CONSTRUCTION VEHICLES.
 3. PREVENTION OF THE DISCHARGE OF WATER FROM CONSTRUCTION DEWATERING ACTIVITIES INTO THESE FACILITIES.
 4. PREVENTION OF DISCHARGE OF STORMWATER INTO THESE FACILITIES UNTIL THE CONTRIBUTING AREAS ARE STABILIZED, UNLESS SPECIFIC MEASURES ARE PROVIDED FOR PROTECTING AND RESTORING THE INFILTRATION SURFACE.

Operation & Maintenance Plan

- THE MAINTENANCE AND UPKEEP ON THE ROADWAY WILL INCLUDE THE FOLLOWING ELEMENTS:
- GENERAL MAINTENANCE OF EROSION CONTROL ELEMENTS INCLUDING REGRADEING, REVEGETATION, REPLACING RIPRAP, ETC., ON AN AS NEEDED BASIS.
- SWALES & BASINS WILL BE INSPECTED SEMI-ANNUALLY BY THE OWNER AND WILL BE MAINTAINED AS REQUIRED. THE BASES OF THE BASINS SHALL BE MONITORED FOR APPROPRIATE GROWTH. WOODY GROWTH SHALL BE CLEARED AS PART OF THE SEMI ANNUAL MAINTENANCE PROGRAM.
- BUILD UP OF SEDIMENTATION AND DEBRIS SHALL BE MONITORED AND REMOVED ON A SEMI-ANNUALLY BASIS IN ORDER TO KEEP THE DISCHARGES AND FLOWS THROUGH THE SWALES FUNCTIONING PROPERLY.
- IF THE INFILTRATION FACILITY FAILS TO DRAIN IN 72 HOURS FOLLOWING A STORM EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE DEVICE AND PROVIDE RECOMMENDATIONS FOR CORRECTIVE ACTION, AND THE OWNER SHOULD TAKE IMMEDIATE ACTION TO IMPLEMENT THESE RECOMMENDATIONS TO RESTORE THE INFILTRATION FUNCTION.
- ALL STORMWATER MANAGEMENT SYSTEMS MUST HAVE AN OPERATION AND MAINTENANCE PLAN TO ENSURE THAT SYSTEMS FUNCTION AS DESIGNED.
- THE OWNER WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM AND ALL OF ITS APPURTENANCES. THE FOLLOWING MAINTENANCE PROGRAM SHALL BE IMPLEMENTED:
- A. GRASSSED CHANNEL
1. GRASSSED CHANNEL SHALL BE INSPECTED AT LEAST ONCE PER YEAR, INSPECTIONS CONDUCTED BEFORE AND AFTER A STORM EVENT WILL HELP DETERMINE IF THE SWALES ARE WORKING AS DESIGNED.
 2. SHALL BE MOWED TO NO LESS THAN 4 INCHES AND ALL GRASS CLIPPING SHALL BE REMOVED AFTER MOWING
 3. ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY.
 4. TRASH AND OTHER DEBRIS SHOULD BE REMOVED.
 5. SEDIMENTS SHOULD BE REMOVED FROM THE SWALES AS NECESSARY, AND AT LEAST ONCE EVERY FOUR (4) YEARS OR WHEN ACCUMULATED DEPTH REACHES SIX INCHES (6"). ALL SEDIMENTS SHALL BE HANDLED PROPERLY AND DISPOSED IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
 6. REPAIR AREAS OF EROSION AND REVEGETATE AS NEEDED, BUT NO LESS THAN ONCE A YEAR.
- B. INFILTRATION AREAS
1. INFILTRATION BASIN SHALL BE INSPECTED AT LEAST EVERY SIX MONTHS AND AFTER EVERY MAJOR STORM. INSPECTIONS CONDUCTED BEFORE AND AFTER A STORM EVENT WILL HELP DETERMINE IF THE INFILTRATION AREAS ARE WORKING AS DESIGNED.
 2. ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY.
 3. TRASH AND OTHER DEBRIS SHOULD BE REMOVED.
 4. SEDIMENTS SHOULD BE REMOVED FROM THE INFILTRATION AREAS AS NECESSARY, AND AT LEAST ONCE EVERY FOUR (4) YEARS OR WHEN ACCUMULATED DEPTH REACHES SIX INCHES (6"). ALL SEDIMENTS SHALL BE HANDLED PROPERLY AND DISPOSED IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
 5. IF THE INFILTRATION FACILITY FAILS TO DRAIN WITHIN 72 HOURS THEN A QUALIFIED PROFESSIONAL SHOULD ACCESS THE DEVICE AND PROVIDE RECOMMENDATIONS FOR CORRECTIVE ACTIONS, AND THE OWNER SHOULD TAKE IMMEDIATE ACTION TO IMPLEMENT THESE RECOMMENDATIONS TO RESTORE THE INFILTRATION FUNCTION.

THE OWNER SHALL KEEP A WRITTEN RECORD OF INSPECTION DATES AND FINDINGS, MAINTENANCE OPERATIONS, AND ALL REPAIRS.

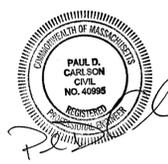
EROSION AND SEDIMENT CONTROL PLAN

"WAREHOUSE IMPORTED AUTO PART"
 1420 FALL RIVER AVENUE SEEKONK, MASSACHUSETTS
 ASSESSORS MAP 4 LOT 40

Applicant: WAREHOUSE IMPORTED AUTO PART
 1420 FALL RIVER AVENUE SEEKONK, MASSACHUSETTS

Job # 09-008	Scale: 1"=20'	Drawn By: SCA	Date: MAR. 16, 2009
-----------------	------------------	------------------	------------------------

Revised: ENGINEER COMMENTS OCT. 27, 2009



PROFESSIONAL SEAL



PROFESSIONAL ENGINEERS
AND LAND SURVEYORS
INSITE PROFESSIONAL COMPLEX, SUITE 1
1539 FALL RIVER AVENUE
SEEKONK, MA 02771
PHONE: (508) 336-4500
FAX: (508) 336-4558

SHEET
3
OF 3

I:\09-008_1420_fall_river_avenue_seekonk\cadd\09-008-Base.dwg 4/3/2009 10:16:33 AM EDT