



SYMBOL

APPLICATION NOTES:

- THE PURPOSE OF A SEDIMENT TRAP IS TO INTERCEPT SEDIMENT LADEN RUNOFF AND TRAP THE SEDIMENT IN ORDER TO PROTECT DRAINAGE WAYS, PROPERTIES, AND R.O.W. BELOW THE SEDIMENT TRAP FROM SEDIMENTATION.
- A SEDIMENT TRAP IS USUALLY INSTALLED IN A DRAINAGE WAY, AT A STORM DRAIN INLET, OR OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA.
- SEDIMENT TRAPS SHALL BE LOCATED SO THAT THEY CAN BE INSTALLED PRIOR TO GRADING OR FILLING IN THE DRAINAGE AREA THEY ARE TO PROTECT.
- MINIMUM VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
- MAXIMUM DRAINAGE AREA TO SEDIMENT TRAP SHALL BE 5 ACRES.

GENERAL NOTES:

CONSTRUCTION:

- CLEARING AND GRUBBING:** AREA UNDER BERM SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED, BUT NOT GURBBED.
- EARTH BERM CONSTRUCTION:** THE FILL MATERIAL FOR THE EARTH BERM SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER NON-SUITABLE MATERIAL. THE EARTH BERM SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- SLOPES:** ALL FILL SLOPES SHALL BE 2:1 OR FLATTER. CUT SLOPES SHALL BE 1:1 OR FLATTER.
- APPLY ROLLED EROSION CONTROL PRODUCT TO BERM SIDE SLOPES.
- RISERS:** THE TOP 2/3 OF THE RISER ABOVE THE EMBEDMENT SHALL BE PERFORATED WITH 1" DIAMETER HOLES OR SLITS SPACED 6" VERTICALLY BY 6" HORIZONTALLY AND PLACED IN THE CONCAVE PORTION OF THE PIPE. NO HOLES WILL BE ALLOWED WITHIN 6" OF THE OUTLET PIPE.
- THE RISER SHALL BE WRAPPED WITH 1/4" TO 1/2" HARDWARE CLOTH WIRE THEN WRAPPED WITH FILTER CLOTH (HAVING AN EQUIVALENT SIEVE SIZE OF 40-80). THE FILTER CLOTH SHALL EXTEND 6" ABOVE THE HIGHEST HOLE AND 6" OVERLAPPED, FOLDED, AND STAPLED TO PREVENT BYPASS.
- STRAPS OR CONNECTING BANDS SHALL BE PLACED AT THE TOP AND BOTTOM OF THE FILTER CLOTH. THEY SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE.
- THE RISER SHALL BE ANCHORED WITH EITHER A CONCRETE BASE OR STEEL PLATE BASE TO PREVENT FLOTATION. FOR CONCRETE BASED THE DEPTH SHALL BE 12" WITH THE RISER EMBEDDED 9". A 1/4" MINIMUM THICKNESS STEEL PLATE SHALL BE ATTACHED TO THE RISER BY A CONTINUOUS WELD AROUND THE BOTTOM TO FORM A WATERTIGHT CONNECTION AND THEN PLACE 2" OF STONE, GRAVEL, OR TAMPED EARTH ON THE PLATE.
- OUTLET PIPE:** OUTLET PIPE CONNECTIONS SHALL BE WATERTIGHT. FILL MATERIAL AROUND THE OUTLET PIPE SHALL BE HAND COMPACTED IN FOUR 4" LAYERS. A MINIMUM OF 24" OF HAND COMPACTED BACKFILL SHALL BE PLACED OVER THE OUTLET PIPE BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.

MAINTENANCE:

- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- MAINTENANCE OF THE TEMPORARY SEDIMENT TRAP SHALL INCLUDE REPAIR AND REBUILDING OF THE BERM, PIPES, AND OTHER FEATURES AS NEEDED TO ENSURE THAT THE TRAP PERFORMS AS ORIGINALLY INTENDED. TORN, PUNCTURED, OR CLOGGED FILTER FABRIC SHALL BE REPLACED AS NEEDED. IF DEWATERING OF THE TRAP BECOMES NECESSARY, WATER SHALL BE PUMPED TO A VEGETATED AREA AWAY FROM ALL WETLANDS, WATER COURSES AND OTHER BODIES OF WATER.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

REMOVAL:

- THE STRUCTURE SHALL BE REMOVED AN THE AREA STABILIZED AFTER THE CONTRIBUTING DRAINAGE HAS BEEN PROPERLY STABILIZED.

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