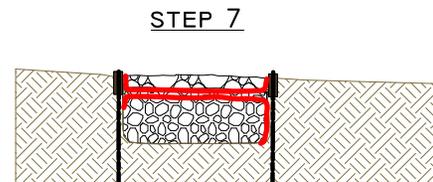
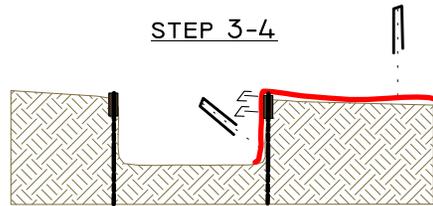
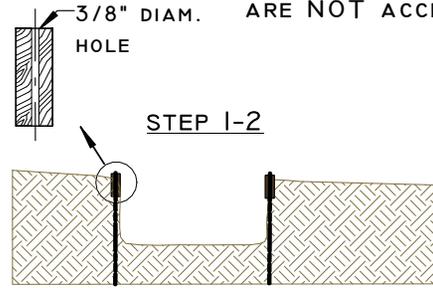


(RESIDENTIAL USE ONLY)
BEST MANAGEMENT PRACTICE
FILTER FABRIC FOR INFILTRATION SYSTEMS

MATERIAL: FILTER FABRIC (AKA GEOTEXTILE FABRIC) SHALL BE **NON-WOVEN NEEDLE PUNCHED** IN ACCORDANCE WITH NRCS CONSTRUCTION STANDARD 905-CLASS III EXCEPT THAT HEAT-BONDED OR RESIN-BONDED GEOTEXTILES ARE NOT ACCEPTABLE.



- INSTALLATION INSTRUCTIONS
1. EXCAVATE TO SPECIFIED DIMENSIONS.
 2. INSTALL CONTAINMENT BORDERS AND STAKE FIRMLY INTO PLACE. 1/2" DIAM. REBAR MAY BE DRIVEN THROUGH PREDRILLED BORDER MATERIAL. HOLD BORDER 1/2" BELOW PAVEMENT WHERE RUNOFF SHEET FLOWS INTO TRENCH.
 3. CUT FILTER FABRIC TO SIZE:
WIDTH = TRENCH DEPTH + TRENCH WIDTH + 4"
LENGTH = TRENCH LENGTH + 8"
 4. PLACE FABRIC ALONG THE SIDE OF THE TRENCH WHERE SUBSURFACE FLOW IS MOST LIKELY TO OCCUR (USUALLY AWAY FROM STRUCTURES). TEMPORARILY LAY FABRIC ON ADJACENT SOIL. STAPLE FABRIC TO BORDER OR USE "U" SHAPED PINS TO PREVENT SHIFTING OR MOVEMENT DURING BACKFILL.
 5. OVERLAP SPLICES IN FABRIC 12" MINIMUM.
 6. BACKFILL TRENCH WITH WASHED DRAIN ROCK WITHIN 3" OF FINAL GRADE. COVER THE ROCK WITH FABRIC AND SECURE EDGE OF FABRIC BY TUCKING IT BETWEEN ROCK AND SOIL OR BORDER.
 7. PLACE A SEPARATE LAYER OF FABRIC OVER TOP OF FABRIC WRAPPED ROCK. DO NOT STAPLE THIS LAYER TO THE BORDER. FILL REMAINDER OF TRENCH WITH DRAIN ROCK OR OTHER DESIRED STONE TO FINISH GRADE. WHERE RUNOFF IS INTENDED TO SHEET FLOW INTO THE SYSTEM, HOLD FINAL GRADE OF ROCK 1/2" BELOW THE BORDER.

MAINTENANCE INSTRUCTIONS

INFILTRATION SYSTEMS COLLECT STORM WATER RUNOFF THAT CONTAINS SEDIMENT AND OTHER ORGANIC MATERIAL. UNLESS REGULAR MAINTENANCE IS PERFORMED TO REMOVE THIS MATERIAL, THE SYSTEM WILL BECOME INEFFECTIVE FOR INFILTRATING STORMWATER.

FILTER FABRIC, WHEN PLACED AS SHOWN, WILL REDUCE THE TOTAL AMOUNT OF LABOR BUT REQUIRES MORE FREQUENT INSPECTIONS. THE PERMEABLE BARRIER ALLOWS INFILTRATION SYSTEMS TO COLLECT STORM WATER RUNOFF WITHOUT FILLING THE ENTIRE SYSTEM WITH SEDIMENT.

IT IS BEST TO INSPECT BMPs IN THE SPRING, FALL, AND AFTER A HEAVY RAIN EVENT. AN EASY TEST IS TO RUN A GARDEN HOSE FOR 10 MINUTES AND MONITOR THE FLOW. IF THE WATER OVERFLOWS THE BMP DURING THE TEST, IT IS TIME TO CLEAN THE SYSTEM. FOLLOW THE STEPS BELOW.

1. REMOVE PINE NEEDLES AND LEAVES REGULARLY. THEY DECAY AND CLOG THE SYSTEM. A PRESSURE WASHER OR HOSE WITH A HIGH PRESSURE NOZZLE AIMED AT A LOW ANGLE WORKS WELL.
2. WHEN NEEDED, REMOVE AND SIFT THE TOP ROCK LAYER. THIS JOB CAN BE MADE EASIER BY CAREFULLY PULLING THE FILTER FABRIC TO THE SIDE ONTO A TARP.
3. DISPOSE OF THE COLLECTED SEDIMENT IN A LOCATION THAT WILL NOT BE WASHED AWAY IN FUTURE STORMS. GOOD LOCATIONS ARE PLANTING BEDS, OR UNDER A LAYER OF PINE NEEDLE DUFF.
4. TAKE CARE NOT TO LET THE SEDIMENT FALL INTO THE CLEAN FILTER FABRIC BELOW. RESTORE THE FABRIC BY RUNNING WATER IN THE OPPOSITE DIRECTION THAN IT WAS INSTALLED. REPLACE FABRIC WHEN REQUIRED. CUT NEW FABRIC TO FIT AND ALLOW 12" FOR OVERLAP.
5. PLACE THE CLEANED ROCK ON THE NEW OR RESTORED FABRIC.

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE IN COOPERATION WITH		
TAHOE RESOURCE CONSERVATION DISTRICT, AND NEVADA TAHOE CONSERVATION DISTRICT		
DRAWN BY:	APPROVED BY:	DATE
DMGG/CLT		

THIS STANDARD DRAWING IS BASED ON A REFERENCE TO THE NRCS STANDARD PRACTICE 905 - GEOTEXTILE FABRIC.

THIS DRAWING IS INTENDED TO ASSIST THE DESIGNER IN PREPARATION OF A COMPLETE SITE SPECIFIC DESIGN, AND IT IS NOT TO REPLACE THE INDEPENDENT JUDGMENT AND ANALYSIS BY A QUALIFIED DESIGNER. INFILTRATION SYSTEM SIZING IS CALCULATED BASED ON THE HYDRAULIC CONDUCTIVITY OF THE SOILS ON SITE AND VOLUME OF RUNOFF BEING CAPTURED.