LAKE TAHOE STANDARD DRAWING

(RESIDENTIAL USE ONLY)

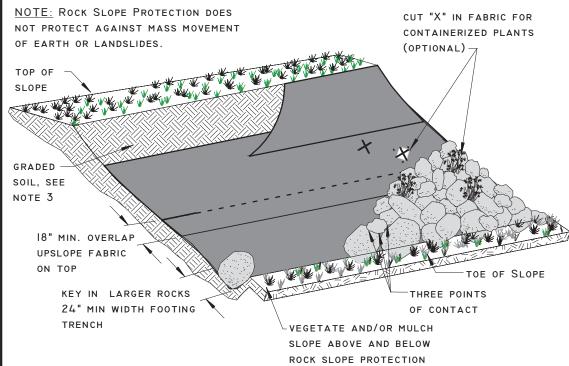
BEST MANAGEMENT PRACTICE

STANDARD DRAWING NO.

BMP-041

DATE: 4-6-2012

ROCK SLOPE PROTECTION



CONSTRUCTION NOTES

- I. ROCK SLOPE PROTECTION WITH FILTER FABRIC APPLIES TO SLOPES WHERE CONCENTRATED FLOW IS EXPECTED OR SEEPAGE WILL OCCUR. ALTERNATIVELY, USE STANDARD DRAWING BMP-040 "ROCK SLOPE PROTECTION (NO FABRIC)" AS APPLICABLE. CONSULT ENGINEER TO ENSURE APPLICABLE DESIGN REQUIREMENTS ARE MET.
- 2. Rock Slope Protection practice is intended for slopes too unstable for revegetation practices alone. Maximum slope 1.5:I horiz:vert, (67% or 34°) or flatter, and is limited to slopes < 30° of uninterrupted length.
- 3. PREPARE SLOPE BY REMOVING INVASIVE SPECIES, FALLEN OR HAZARDOUS TREES, ROCKS OR OTHER DEBRIS. FLATTEN SLOPE AS NEEDED TO PROVIDE A SUITABLE GRADE. BEGIN INSTALLATION BY TRENCHING ALONG THE TOE OF THE SLOPE.
- 4. PLACE FABRIC STARTING AT THE TOE AND OVERLAP 18" WITH UPSLOPE FABRIC ON TOP. PLACE STAPLES AS SHOWN IN DETAIL. IN LIEU OF FABRIC, A FILTER LAYER OF GRAVEL OR SAND MAY BE USED.
- 5. HAND PLACE THE LARGEST ROCKS IN THE TRENCH FIRST TO FORM A SOLID ROW AS THE FOUNDATION.
- 6. PLACE ROCK IN A MANNER THAT IS UNIFORMLY DISTRIBUTED AND FIRMLY IN CONTACT ONE TO ANOTHER WITH SMALLER ROCKS FILLING THE VOIDS BETWEEN THE LARGER ROCKS. HAND PLACEMENT OF SOME ROCK MAY BE REQUIRED ADJACENT TO EXISTING STRUCTURES TO PREVENT DAMAGE AND TO ACHIEVE THE FINAL FINISHED SURFACE.
- 7. OVER-SEED TO ENCOURAGE VEGETATION IN ROCK INTER SPACES.
 REFER TO NRCS "SLOPE STABILIZATION USING VEGETATION"
 TIP SHEET FOR MORE INFORMATION.

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

INSTALLATION GUIDELINES

EMBED FILTER FABRIC 12" AT TOP AND SIDE SLOPES (OR FLATTER) - STAPLES 3' O.C. ALONG THE OVERLAP -ROCK LAYER THICKNESS = 18" 4 OZ. NON WOVEN FILTER FABRIC. OR 3" GRAVEL OR SAND FILTER LAYER 9" TO 12" DIAMETER ANGULAR TO SUB ANGULAR DENSE AND DURABLE \angle CUT-OFF V-DITCH ROCK WITH SPECIFIC GRAVITY > 2.5 OR PERFORATED PIPE (RIVER ROCK IS NOT ACCEPTABLE) AT 1% MIN. SLOPE AND OUTLET AT 100' MAX. TOE TRENCH DEPTH = INTERVAL WHERE REQUIRED 1/2 DIAM. OF LARGEST ROCK TO CONTROL WATER