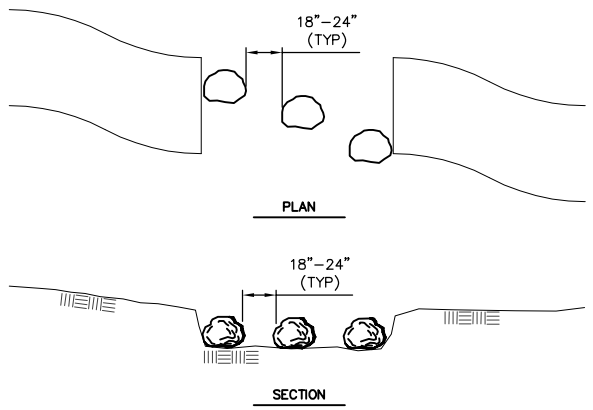
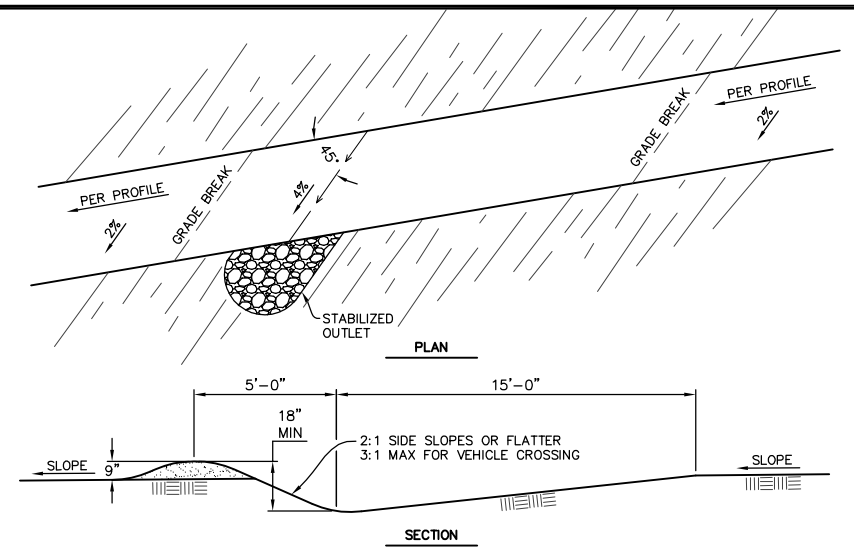


NOTE: STONES USED FOR CREEK CROSSINGS SHALL BE APPROXIMATELY 18" IN DIAMETER AND PLACED DIAGONALLY ACROSS THE CREEK 18" TO 24" APART. STONES SHALL BE WEDGED, ANCHORED OR EMBEDDED INTO CREEK MATERIALS TO PROVIDE A STABLE STEPPING PLATFORM

STONE CROSSING (W)

N.T.S



NOTE: ROLLING GRADE DIPS SHALL BE APPROXIMATELY 80' ON CENTER. ROLLING GRADE DIPS SHALL ALSO BE LOCATED AT NATURAL DRAINAGE FEATURES TO ALLOW UNIMPEDED FLOW ACROSS THE ROAD AND EXIT AT THE PRE–CONSTRUCTION LOCATION.

ROLLING GRADE DIP (X)

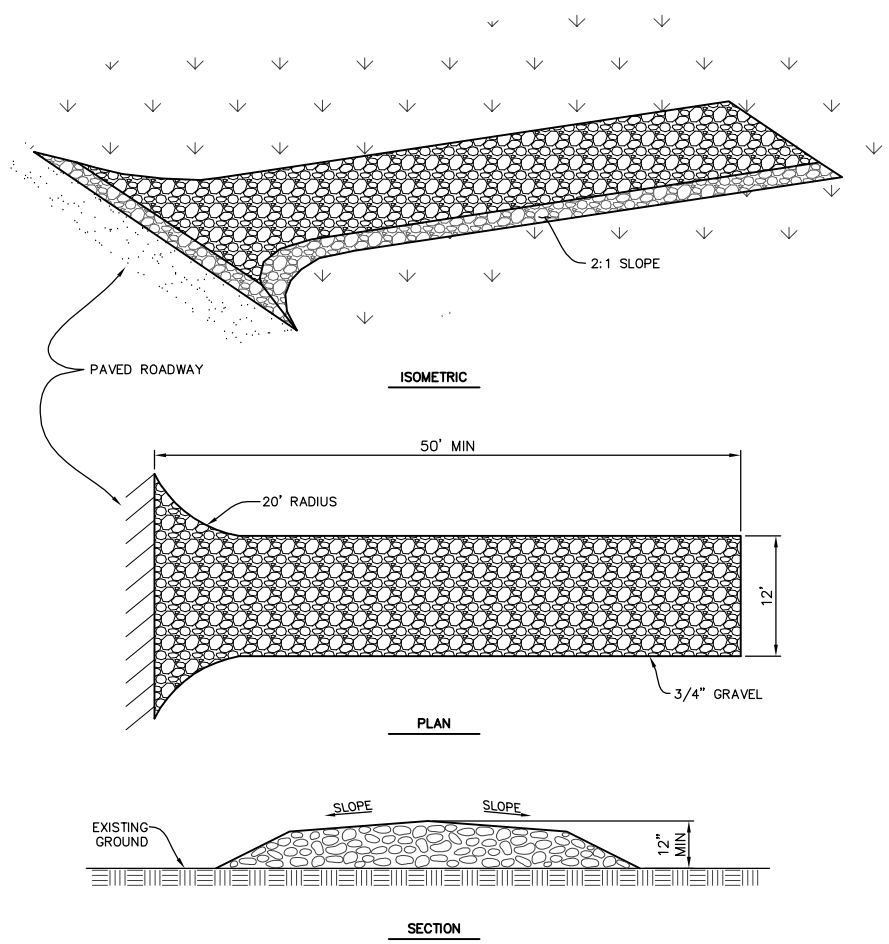
N.T.S

LOW WATER CROSSING GENERAL NOTES

1. CROSSINGS SHALL BE USED FOR DRY STREAM BEDS AND WHERE CROSSING WILL CAUSE MINIMAL WATER QUALITY IMPACTS.
2. CROSSING SHALL BE CONSTRUCTED DURING DRY MONTHS WHEN THE STREAM IS DRY OR THE WATER LEVEL IS AS LOW AS POSSIBLE.
3. CROSSING MATERIALS SHALL BE CLEAN, NON–EROBIBLE, AND NON–TOXIC TO AQUATIC LIFE.
4. CROSSINGS SHALL BE INSTALLED PERPENDICULAR TO THE STREAM BED.
5. TEMPORARY SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED IMMEDIATELY PRIOR TO CONSTRUCTION TO MINIMIZE EROSION INTO THE STREAM. SEDIMENT CONTROL STRUCTURES SHALL BE MAINTAINED UNTIL SOIL IS PERMANENTLY STABILIZED.

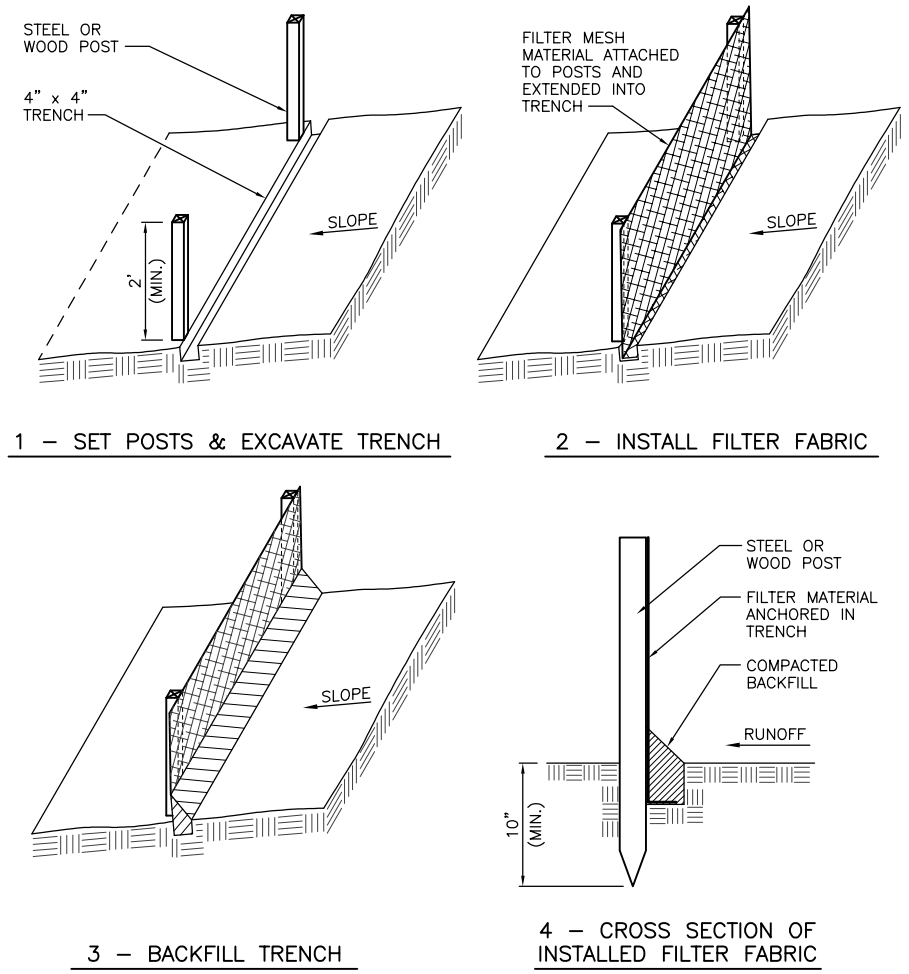
DRY OR LOW WATER CROSSING (Y)

N.T.S



STABILIZED CONSTRUCTION ENTRANCE (Z)

N.T.S



SILT FENCE GENERAL NOTES

SILT FENCE SHALL BE INSTALLED:

- WHERE NON–CONCENTRATED SHEET FLOW WILL OCCUR DOWNHILL FROM EARTH DISTURBING CONSTRUCTION
- WHERE PROTECTION OF ADJACENT PROPERTY OR "WATERS OF THE UNITED STATES" IS REQUIRED
- SUCH THAT THE SIZE OF THE DRAINAGE AREA IS NO MORE THAN 1/4 ACRE PER 100 LINEAR FEET OF SILT FENCE
- SUCH THAT THE MAXIMUM FLOW PATH LENGTH ABOVE THE BARRIER IS 100 FEET
- SUCH THAT THE MAXIMUM FLOW GRADIENT ABOVE THE BARRIER IS 2:1

INSTALLED SILT FENCE

SILT FENCE INSTALLATION (AA)

SCALE: N.T.S.

CONCEPT - 2002 LCP ALTERNATIVE

DUDEK
621 CHAPALA STREET
SANTA BARBARA, CA 93101
(805) 963–0651

NO.	DATE	REVISIONS	APPD.

Penfield & Smith
Engineers · Surveyors · Planners · Construction Management ·
111 East Victoria Street, Santa Barbara, CA 93101
Phone: (805) 963–9532 Fax: (805) 966–9801
DESIGN JHC CHECKED BEF
BRET. E. FOSTER DATE:
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 06–30–08)

TRAIL AND GRADING BMP'S
–
SANTA MONICA MOUNTAINS CONSERVANCY
MALIBU, CALIFORNIA

P&S PROJECT NO. 13638.05
SHEET 38 OF 63
PLAN DATE JANUARY 14, 2010

34–ENG SAVE DATE: 1/14/2010 9:34:35 AM PLOT BY:Bret Foster PLOT DATE:1/14/2010 6:01:40 PM PLOT SCALE:1:2.73
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