

PROPOSED FINISHED SLOPE GRADIENT

1 1/2
1

PREDOMINANTLY GRANULAR WASTEROCK STOCKPILE

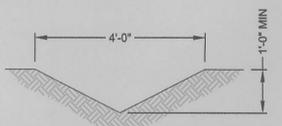
NATIVE SOIL / WEATHERED ROCK

20'

DEBRIS BARRIER WITH SILT FENCE

REDUNDANT DEBRIS BARRIER

B CROSS SECTION A-A'
S-1 SCALE: 1" = 10'-0"



C TYPICAL V-DITCH DETAIL
S-1 NOT TO SCALE

GENERAL NOTES:
 THESE SHEETS (1 AND 2) PRESENT PROPOSED FINISHED WASTEROCK STOCKPILE CONFIGURATIONS FOR STOCKPILE 5. THE USE OF A GABION BASKET RETAINING WALL, AS DEPICTED ON SHEET 2, HAS BEEN CONSIDERED AS AN OPTION TO FACILITATE AN INCREASED STOCKPILE VOLUME.
 THE PROPOSED FINISH SLOPE GRADIENT IS 33°, AS DEPICTED ON THE SECTIONS. HOWEVER, STEEPER TEMPORARY SLOPE GRADIENTS UP TO THE FRICTION ANGLE OF THE WASTEROCK ARE ANTICIPATED DURING WASTEROCK PLACEMENT.
 THE DRAWINGS DEPICT UNIFORM WASTEROCK SLOPES. THE ACTUAL WASTEROCK STOCKPILE SURFACE MAY BE IRREGULAR DEPENDING ON THE METHOD AND SEQUENCING OF ROCK PLACEMENT. FINISHED SLOPE GRADIENTS MUST NOT EXCEED 33° (1 1/2:1, H:V) TO PROVIDE THE DESIGN FACTOR OF SAFETY.
 WASTEROCK PLACEMENT AND FUTURE RECLAMATION SHOULD INCORPORATE THE MITIGATION MEASURES PRESENTED BY THE USDA FOREST SERVICE FOR THE SITE.
 COARSE, ANGULAR ROCK FRAGMENTS SHOULD BE PLACED ON SLOPE FACE AS SLOPE ARMOURING, TO REDUCE EROSION. SOIL PLACEMENT SHOULD BE LIMITED TO SMALL AMOUNTS ASSOCIATED WITH INDIVIDUAL POCKET PLANTINGS, IF PROPOSED AS A PART OF EVENTUAL RECLAMATION.

PROVIDE SHALLOW V-DITCH OR SURFACE-WATER DRAINAGE SWALE ON SURFACE OF COMPLETED STOCKPILE TO FACILITATE DRAINAGE.

APPROXIMATE EXTENTS OF WASTEROCK PLACEMENT. ACTUAL DIMENSIONS EXPECTED TO VARY BASED ON SURFACE IRREGULARITIES AND PLACEMENT SEQUENCE

PROPOSED TOE OF WASTEROCK STOCKPILE UTILIZING 20-FOOT SETBACK IF GABION WALL IS NOT USED

CONSTRUCT DEBRIS BARRIER WITH SILT FENCE ACROSS SWALE

REDUNDANT DEBRIS BARRIER AT SLOPE HINGE POINT (OPTIONAL)

ELEVATION NGVD 27
COORDS CALIFORNIA STATE ZONE 2

SCALE IN FEET
1" = 10'

BASE MAP PROVIDED BY:
ROOT SURVEYING
(DECEMBER 2006)

A SITE PLAN
S-1



DESIGNED BY:	REF
DRAWN BY:	DFD
DATE:	JANUARY 2007
DRAWING NAME:	2890-01-TOPO
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NO.	REVISIONS

SITE PLAN FOR
BIG SEAM AND RED INK MINING CLAIM
 FORESTHILL, CALIFORNIA

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