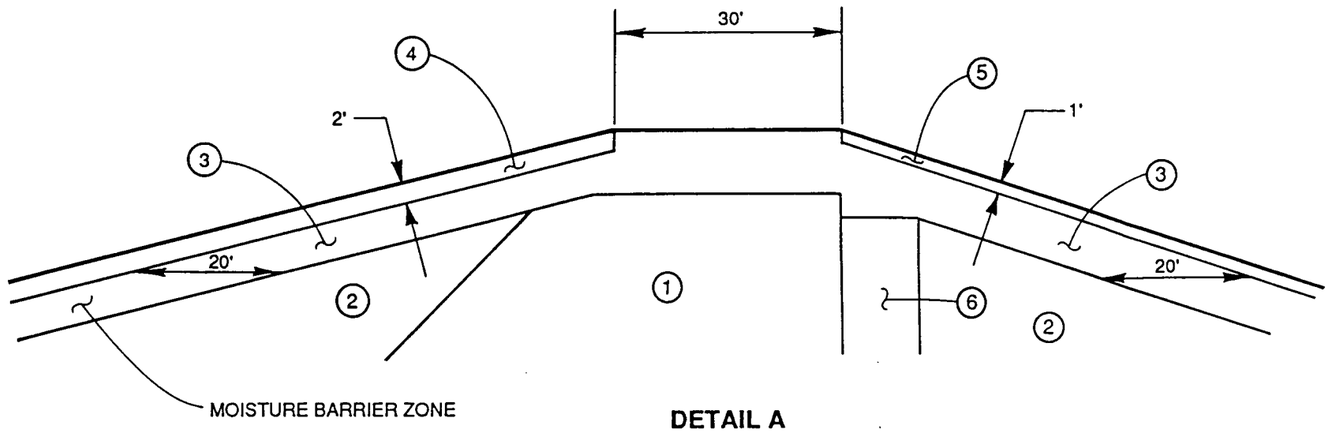
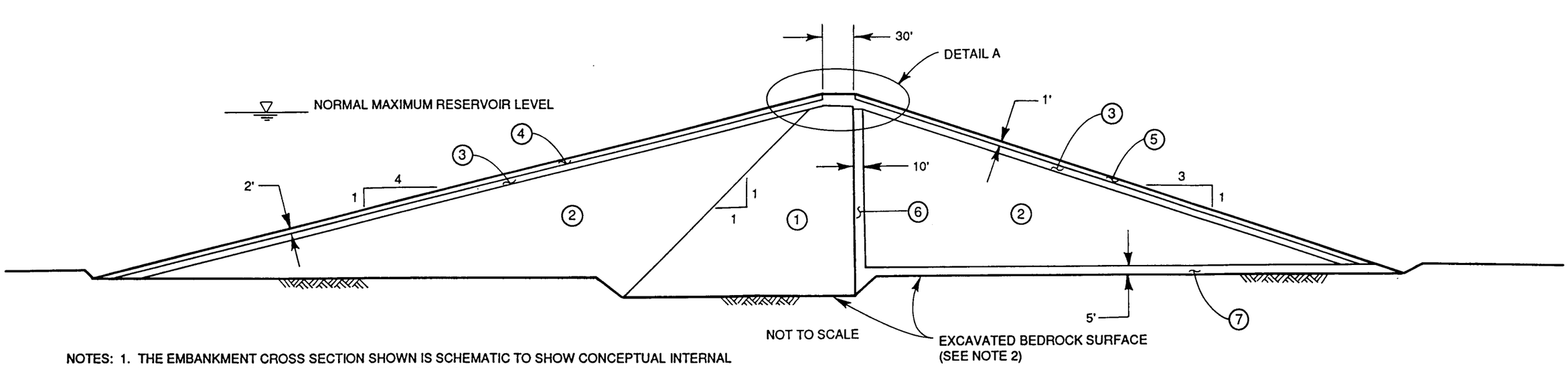


DETAIL A

NOT TO SCALE

EMBANKMENT MATERIALS			
SYMBOL	ZONE	DESCRIPTION	SOURCE
1	ZONE 1	IMPERVIOUS - MODERATE TO HIGHLY PLASTIC EXPANSIVE SILTY CLAY ALLUVIUM, COLLUVIUM, LANDSLIDE DEPOSITS AND REWORKED PETALUMA FORMATION (CLAYSTONE).	ON-SITE
2	ZONE 2	RANDOM - REWORKED PETALUMA FORMATION (CLAYSTONE, SILTSTONE, SANDSTONE AND CONGLOMERATE).	ON-SITE
3	ZONE 3	SELECT FILL - SANDY SILTSTONE, SANDSTONE AND PEBBLY CONGLOMERATE (REWORKED PETALUMA FORMATION).	ON-SITE
4	ZONE 4	RIPRAP - SOUND, ANGULAR ROCK PLACED ON SAND-GRAVEL BEDDING LAYER.	IMPORT
5	ZONE 5	SLOPE PROTECTION - SAND-GRAVEL-COBBLE MIXTURE.	IMPORT
6	ZONE 6	CHIMNEY DRAIN - CLEAN SAND-GRAVEL MIXTURE WITH SAND FILTER ON UPSTREAM SIDE.	IMPORT
7	ZONE 7	BLANKET DRAIN - CLEAN SAND-GRAVEL MIXTURE TO OPEN GRAVEL WITH APPROPRIATE SAND FILTER PROTECTION.	IMPORT



NOTES:
1. THE EMBANKMENT CROSS SECTION SHOWN IS SCHEMATIC TO SHOW CONCEPTUAL INTERNAL ZONING DESIGN AND MAY NOT REFLECT THE TRUE RELATIVE DAM HEIGHT FOR THE MAXIMUM STORAGE AT THE ALTERNATIVE SITE.
2. ESTIMATED DAM FOUNDATION EXCAVATION DEPTHS ARE NOT SHOWN TO SCALE. REFER TO TABLE 4-1 AND SECTION 4 FOR ACTUAL ESTIMATES AND EXPLANATION.
3. THE IMPERVIOUS CORE ZONE CONFIGURATION SHOWN REFLECTS A MINIMUM DESIRED DESIGN WIDTH FOR THE ALTERNATIVE SITE, CONSIDERING AVAILABLE CONSTRUCTION MATERIALS PROPERTIES, AND GEOTECHNICAL AND SEISMIC SITE CONDITIONS. ESTIMATED AVAILABLE QUANTITIES OF IMPERVIOUS TYPE MATERIALS COULD RESULT IN A SOMEWHAT WIDER CORE ZONE OR A MORE HOMOGENEOUS IMPERVIOUS EMBANKMENT SECTION UPON DETAILED DESIGN.

RUST ENVIRONMENT & INFRASTRUCTURE
San Jose, California

CONCEPTUAL EMBANKMENT CROSS SECTION
LAKEVILLE HILLSIDE RESERVOIR SITE

SANTA ROSA SUBREGIONAL LONG TERM WASTEWATER PROJECT

PROJECT NO. 88230
DATE OCTOBER 1995
FIGURE NO. 6-24