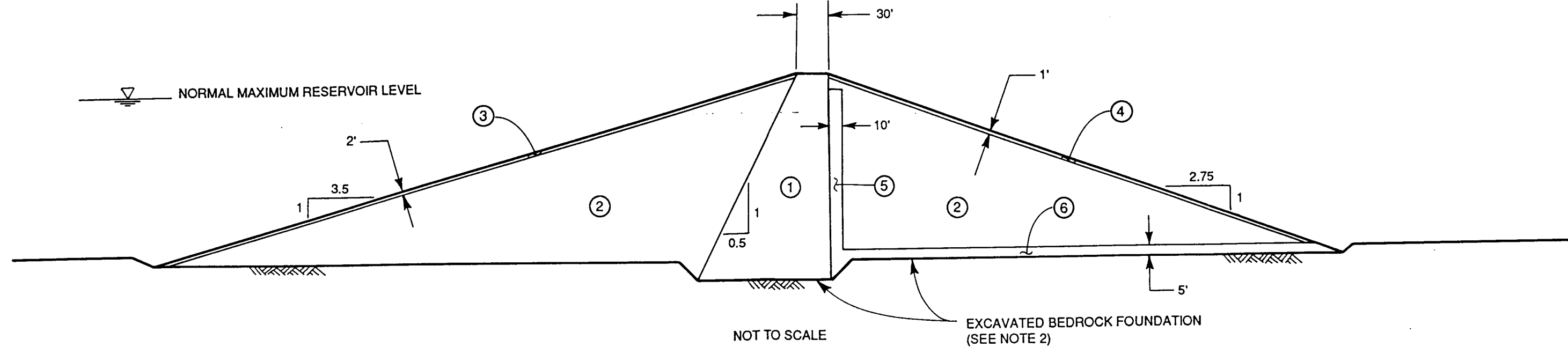


| EMBANKMENT MATERIALS |        |   |         |
|----------------------|--------|---|---------|
| SYMBOL               | ZONE   | DESCRIPTION   | SOURCE  |
| ①                    | ZONE 1 | IMPERVIOUS - NON-PLASTIC SANDY SILT TO SILTY SAND (REWORKED WILSON GROVE FORMATION), MIXED WITH POWDERED BENTONITE.                             | ON-SITE |
| ②                    | ZONE 2 | RANDOM - REWORKED WILSON GROVE FORMATION, AS DESCRIBED ABOVE, PLUS ALLUVIUM AND COLLUVIUM (CLAYEY SAND, SILTY SAND, SANDY CLAY AND SANDY SILT). | ON-SITE |
| ③                    | ZONE 3 | RIPRAP - SOUND, ANGULAR ROCK PLACED ON SAND-GRAVEL BEDDING LAYER.   | IMPORT  |
| ④                    | ZONE 4 | SLOPE PROTECTION - SAND-GRAVEL-COBBLE MIXTURE.  | IMPORT  |
| ⑤                    | ZONE 5 | CHIMNEY DRAIN - CLEAN SAND-GRAVEL MIXTURE WITH SAND FILTER ON UPSTREAM SIDE.  | IMPORT  |
| ⑥                    | ZONE 6 | 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.

**RUST** ENVIRONMENT & INFRASTRUCTURE  
San Jose, California

CONCEPTUAL EMBANKMENT CROSS SECTION  
VALLEY FORD EAST RESERVOIR SITE  
SANTA ROSA SUBREGIONAL LONG TERM  
WASTEWATER PROJECT

PROJECT NO.  
88230  
DATE  
OCTOBER 1995  
FIGURE NO.  
6-12