



BASE FROM USGS 7.5 MINUTE VALLEY FORD QUADRANGLE  
TOPOGRAPHIC MAP, 1954, PHOTOREVISED 1971.

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

**SITE GEOLOGIC AND EXPLORATION MAP**  
**VALLEY FORD EAST RESERVOIR SITE**  
  
**SANTA ROSA SUBREGIONAL LONG TERM**  
**WASTEWATER PROJECT**

PROJECT NO.  
88230  
DATE  
OCTOBER 1995  
FIGURE NO.  
4-1

**EXPLANATION**

Qal

**ALLUVIUM:** CLAYEY SAND; SANDY CLAY; SILTY SAND;  
INTERLAYERED; LOCATED IN VALLEY FLOOR;  
MAXIMUM THICKNESS ON THE ORDER OF 16 FEET  
IN PROPOSED RESERVOIR AREA.

Pwg

**WILSON GROVE FORMATION (FORMERLY MERCED  
FORMATION):** RARE OUTCROPS; SANDY SILTSTONE/  
SILTSTONE; MASSIVE; BEDDING NOT DISCERNABLE;  
GENERALLY SUBHORIZONTAL TO SLIGHT/MODERATE  
DIP TO NORTHEAST; SOFT IN HARDNESS; STRONG;  
APPEARS TIGHT; IN PROPOSED RESERVOIR AREA,  
OVERLAIN BY 0 TO 5 FEET OF CLAYEY SAND TO  
SANDY CLAY TOPSOIL OR COLLUVIUM.

--- APPROXIMATE GEOLOGIC CONTACT

23/ STRIKE AND DIP OF BEDDING

● SPRING

eg EROSION GULLY

VF-B5 ● EXPLORATION BORING

VF-P12 □ TEST PIT

NOTE: GEOLOGIC FEATURES SHOWN INCLUDING SPRINGS AND  
EROSION GULLIES WERE NOTED DURING SITE RECONNAIS-  
SANCE MAPPING ON SEPTEMBER 27-28, 1994.

IMPERVIOUS BORROW AREA

POTENTIAL ADDITIONAL IMPERVIOUS  
BORROW AREA (OUTSIDE RESERVOIR  
AREA - NOT ASSUMED FOR DESIGN)

NOTE: ONLY THE PRIMARY IMPERVIOUS BORROW SOURCE  
AREAS ARE SHOWN. SOURCES OF OTHER ON-SITE  
CONSTRUCTION MATERIALS WITHIN THE RESERVOIR  
AREA ARE NOT OUTLINED. REFER TO THE REPORT  
FOR EXPLANATION OF ALL BORROW SOURCES.

SCALE  
500 0 500 FEET