EXPLANATION

AREAS OF EQUAL FLOOD-HAZARD POTENTIAL FOR SELECTED RECURRENCE INTERVALS:
- 25 year: Probability of exceedance in any one year is 4 percent
- 50 year: Probability of exceedance in any one year is 2 percent
- 100 year: Probability of exceedance in any one year is 1 percent
- Estimated return period (Q3), from modified equation derived by Cooper (1962)

NOTE: Recurrence interval is the average time interval between occurrences of a hydrologic event of a given or greater magnitude.

CONTACT - Dashed where inferred from U.S. Geological Survey topographic maps

LINE OF CROSS SECTION (See fig. 2)

DIRECTION OF FLOW
BUILDINGS AND STRUCTURES:
A - Gatehouse
B - Castle Gate Bridge
C - Castle
D-E - Gas tanks
F - Hacienda
G - Cabins and Garage
H - Stable
J - Cabin and parking area

FLOOD-INUNDATION MAP OF GRAPEVINE AND TIE CANYONS NEAR SCOTTY'S CASTLE, DEATH VALLEY NATIONAL MONUMENT, CALIFORNIA