



# EXPLANATION

## EARTH MATERIALS

- 2005 Active Landslide
- 2005 Active Toppling Zone
- Incipient Landslide Zone
- Incipient Topple Zone
- Rincon Shale Bedrock

## MAP SYMBOLS

- Geologic Contact (dashed where approximate)
- Engineering Geologic Cross Section Location
- Line of Geophysical Survey (arrow indicates direction of interpretation profile)

## Cotton, Shires and Associate, Inc. Borings

- SI-44 2005-2007 Active Inclinometers
- SI-15 2005 Inactive Inclinometers
- LD-12 Large-Diameter Exploratory Boring

## California Department of Transportation Borings

- SI-2-06 2006 Inactive Inclinometers
- SI-7-05 2005 Active Inclinometers
- SI-9-05 2005 Inactive Inclinometers
- MW RV 2001 Monitoring Well
- SI-7-01 2001 Inactive Inclinometers
- SI-4-00 (B-18) 2000 Inactive Inclinometers

## Borings by Others

- SI-4 1995 Small-Diameter Borings by Terry A. Mayer, Consulting Geologist
- SI-10 = 59.37 (Dist @ Elev 213) 1995 Small-Diameter Borings by California Department of Transportation
- SI-11 2005 Small-Diameter Borings by Coast Valley Testing, Inc.
- SI-12 1999 Large-Diameter Borings by CFS Geotechnical Consultants, Inc.

## SCALE



**COTTON, SHIRES & ASSOCIATES, INC.**  
CONSULTING ENGINEERS AND GEOLOGISTS

**Engineering Geologic Map**  
Sycamore Ranchito Landslide Repair Project  
SANTA BARBARA, CALIFORNIA

GEO/ENG BY POS	SCALE 1"=50'	PROJECT NO. E0275
APPROVED BY POS	DATE JULY 2007	PLATE NO. 1