



LEGEND

EXISTING BORING BY LEAMAN, APPROXIMATE LOCATION
EXISTING WELL, BY LEAMAN, APPROXIMATE LOCATION
WELL LOCATION, BY LEAMAN, PRIOR TO FAILURE
BORHOLE INCLINOMETER, APPROXIMATE LOCATION
BORHOLE INCLINOMETER, PRIOR TO FAILURE
SURVEY MONITORING POINT BY BURKETT & WONG, APPROXIMATE LOCATION
PIEZOMETER BY AMERICAN GEOTECHNICAL
TRANSDUCER LOCATIONS, BY LOCKWOOD-SINGH
SLUG TEST LOCATIONS

TRACT BOUNDARY

MW & MMW- 2003 PUMP TEST WELLS
BB1- BAGAH ENGINEERING
TEST PIT BY LEIGHTON 1985
PLB -BORING BY LEIGHTON 1985
LB BORING BY LEIGHTON 1987

FAULTS MAPPED BY OTHERS
STRIKE & DIP OF FAULT - DASHED WHERE CONCEALED
STRIKE & DIP OF BEDDING- DASHED WHERE CONCEALED
STRIKE & DIP OF JOINT - DASHED WHERE CONCEALED
BURIED GEOLOGIC CONTACT BY LEIGHTON
SYNCLINES REPORTED BY LEIGHTON
FILL KEY REPORTED BY LEIGHTON
SUBDRAIN
SAN ONOFRE FORMATION
CAPISTRANO SANDSTONE MAPPED BY LEIGHTON BURIED BY FILL
MONTEREY FORMATION MAPPED BY LEIGHTON BURIED BY FILL
GEOLOGICAL SECTION LOCATION
DIP & STRIKE INFORMATION FROM:
AS GRADED GEOTECHNICAL MAP BY LEIGHTON & ASSOC. 5-22/87
GEOTECHNICAL MAP - LEAMAN GEOTECHNICAL GROUP, INC. MEASURED BEFORE OR DURING GRADING

DESC.	DEPTH
18	16.0'
32	21.5'
21	24.5'

0 25' 50' 100'

DATE 02/08/08
T&S ENVIRONMENTAL
WATER AND LAND OFFICES
1801 Alhambra Avenue, Suite 101
Chico Hills, CA 92020
(949) 422-0208

COMPOSITE GEOLOGICAL MAP
COUNTRY CLUB VILLAS
LAGUNA NIGUEL CALIFORNIA
MAP2 - FAULTS & GEOLOGY
MAPPED BY OTHERS
NOTE: MANY FEATURES ON THIS MAP WERE APPROXIMATED FROM MAPS BY OTHERS
REVISED 12/12/03

BORING LOG LEGEND

GB	GRADED BEDDING	GB	GRADED BEDDING
B	BEDDING PLANE	B	BEDDING PLANE
J	JOINT PLANE	J	JOINT PLANE
C	CONTACT	C	CONTACT
F	FAULT	F	FAULT
SP	SHEAR PLANE	SP	SHEAR PLANE
CS	BEDDING SHEAR	CS	BEDDING SHEAR
OT	OVERTURNED	OT	OVERTURNED
V, VS	VERTICAL SHEAR	V, VS	VERTICAL SHEAR
VJ	VERTICAL JOINT PLANE	VJ	VERTICAL JOINT PLANE
NE DP	NE STRIKE	NE DP	NE STRIKE
NW DP	NW STRIKE	NW DP	NW STRIKE
SW DP	SW STRIKE	SW DP	SW STRIKE
SE DP	SE STRIKE	SE DP	SE STRIKE
+	HORIZONTAL	+	HORIZONTAL
+	VERTICAL	+	VERTICAL

DUPLICATE DOWNHOLE LOGS FOR CLARIFICATION ONLY

LOG-1	LOG-7	LOG-9	LOG-14
DESC. DEPTH 18 7 16.0' 32 21.5' 21 24.5' 19 15.0' 10 10.0' 5 5.0' 1 1.0' 19 15.0' 10 10.0' 5 5.0'			