



# ISLAND GEOTECHNICAL ENGINEERING

## DAILY FIEL REPORT

FILE NO.  
222217-TM

DFR NO.  
07

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PROJECT <b>Mahana Estates Lot #34</b>			LOCATION <b>Lahaina, Maui, Hawaii</b>						
CLIENT <b>Dwight Galbi</b>			DATE <b>7/11/2023</b>	DAY OF WEEK <b>Tuesday</b>	WEATHER <b>Sunny</b>				
GENERAL CONTRACTOR <b>Cutting Edge Development Inc. <a href="http://www.cedhawaii.com">www.cedhawaii.com</a></b>			CONTRACTOR'S SUPERINTENDENT <b>Brad Fitkin (808)205-8445 <a href="mailto:brad@cedhawaii.com">brad@cedhawaii.com</a></b>						
TYPE OF WORK <b>Compaction Testing</b>			PROJECT ENGINEER						
SOURCE AND DESCRIPTION OF FILL MATERIAL <b>Select borrow imported from Hawaiian Cement</b>			KEY PERSONS CONTACTED <b>Travis MacDonald (808)269-2202</b>						
TEST NO.	TEST LOCATION	ELEVATION (In Feet)	FIELD TESTING			REFERENCE CURVE			COMMENTS
			DRY DEN. (pcf)	MOIST. CONT. (%)	% OF MAX DRY DEN.	COMP CURVE NO.	MAX DRY DEN (PCF)	R.C. Y/N	
17	Garage	151.5'+msl*	127.1	7.4	95.2	3	133.6	Y	Pass
18	Flex Room	151.5'+msl*	129.7	6.1	97.1	3	133.6	Y	Pass
19	Bedroom #3	151.5'+msl*	131.8	7.0	98.6	3	133.6	Y	Pass
20	Kitchen	151.5'+msl*	129.6	7.6	97.0	3	133.6	Y	Pass
21	Pool Deck Footing	148.5'+msl*	127.9	7.2	95.8	3	133.6	Y	Pass
DESCRIBE EQUIPMENT USED <b>Sakai SV544D 12-ton vibratory drum roller</b>									

**NOTES**

**Compaction Testing:** IGE is onsite at the request of Cutting-Edge Development to perform compaction testing on imported Select Borrow from Hawaiian Cements' Waikapu quarry. Placement of material is to ~151.5' +msl\* in the Garage pad subgrade and 148.5 for the pool deck footing. Compaction tests reveal adequate compaction and moisture. \*Elevation is provided by the contractor.

**Probe Testing:** In addition to compaction testing, IGE used a 3/8" Probe Rod to test the compacted material for the following areas: Guest suite room footing, sewer line trench and Pool deck/ Lanai footings. All probing locations penetrated to a depth between 1/4" and 3/4", indicating a firm and unyielding compacted base.



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REPORT BY  
**RCT, B.S.**

EG=Existing Grade  
FG = Finishing Grade  
FSG = Finishing Subgrade

TBC = Top of Base Course  
TSB = Top of Subgrade  
Sta = Station

DL = Drain Line  
EL = Electrical Line  
SL = Sewer Line

WL = Water Line  
RC = Rock Correction  
RW = Retaining Wall

DMH = Drain Manhole  
CB = Catch Basin  
BOF = Bottom of Footing

