



ADVANCED SOIL ENGINEERING

GEOTECHNICAL CONSULTING ENGINEERS
CONCRETE AND MATERIAL TESTING LABORATORIES

P.O. BOX 1286
ISABELA, P.R. 00662

TEL / FAX: (787) 830-0366

May 31, 2007

Mundo Real Quarry
P.O. Box 818
Aguada, P.R. 00602

SUBJECT : PARTICLE SIZE ANALYSIS

Project : Mundo Real Quarry
Isabela, P.R.

Sample secured and transported by : Mundo Real personnel

Receive date of test sample : May 29, 2007

Date tests were performed : May 30, 2007

Standard test method used : ASTM C 117, ASTM C 136

Sample description : Pale yellow sand
trace silt, limestone fragments (Talco)

Sample Location : Mundo Real Quarry
Arenales Ward,
Isabela, P.R.

Fineness Modulus : 1.42

Respectfully submitted,

ADVANCED SOIL ENGINEERING

NELSON MUÑOZ, P. E.

Enclosure



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GRAIN SIZE DISTRIBUTION TEST DATA

Date : May 30, 2007
Client : Mundo Real Quarry
Project : Mundo Real Quarry, Isabela, P.R.

SAMPLE DATA

Location of sample : Mundo Real Quarry, Arenales Ward, Isabela, P.R.
Sample description : Pale yellow sand trace silt, limestone fragments (Talco)
USCS Class : Liquid Limit :
AASHTO Class : Plastic Index :
Fineness Modulus : 1.42

NOTES

Remaks : Tested by : Eduardo Rodríguez
Checked by : Nelson Muñoz, P.E.
Fig. No. : 1

MECHANICAL ANALYSIS DATA

		<u>Initial</u>	<u>After wash</u>
Dry sample and tare	=	3,000.00	2,899.40
Tare	=	0.00	0.00
Dry sample weight	=	3,000.00	2,899.40
Minus # 200 from wash	=	3.35 %	

Sieve tare method :

	<u>Weight</u>	<u>Percent</u>	<u>Combined</u>	
<u>Sieve No.</u>	<u>Soil retained</u>	<u>Retained</u>	<u>% Retained</u>	<u>Percent finer</u>
1/2"	0.00	0.00	0.00	100.00
3/8"	0.00	0.00	0.00	100.00
No. 4	39.30	1.31	1.31	98.69
No. 8	48.60	1.62	2.93	97.07
No. 10	10.30	0.34	3.27	96.73
No. 16	53.50	1.78	5.06	94.94
No. 30	142.80	4.76	9.82	90.18
No. 40	140.70	4.69	14.51	85.49
No. 50	373.10	12.44	26.94	73.06
No. 100	1534.70	51.16	78.10	21.90
No. 200	556.40	18.55	96.65	3.35

FRACTIONAL COMPONENTS

% + 75 mm	0.00	% Gravel	=	1.31	% Sand	=	95.34	% Finer	=	3.35
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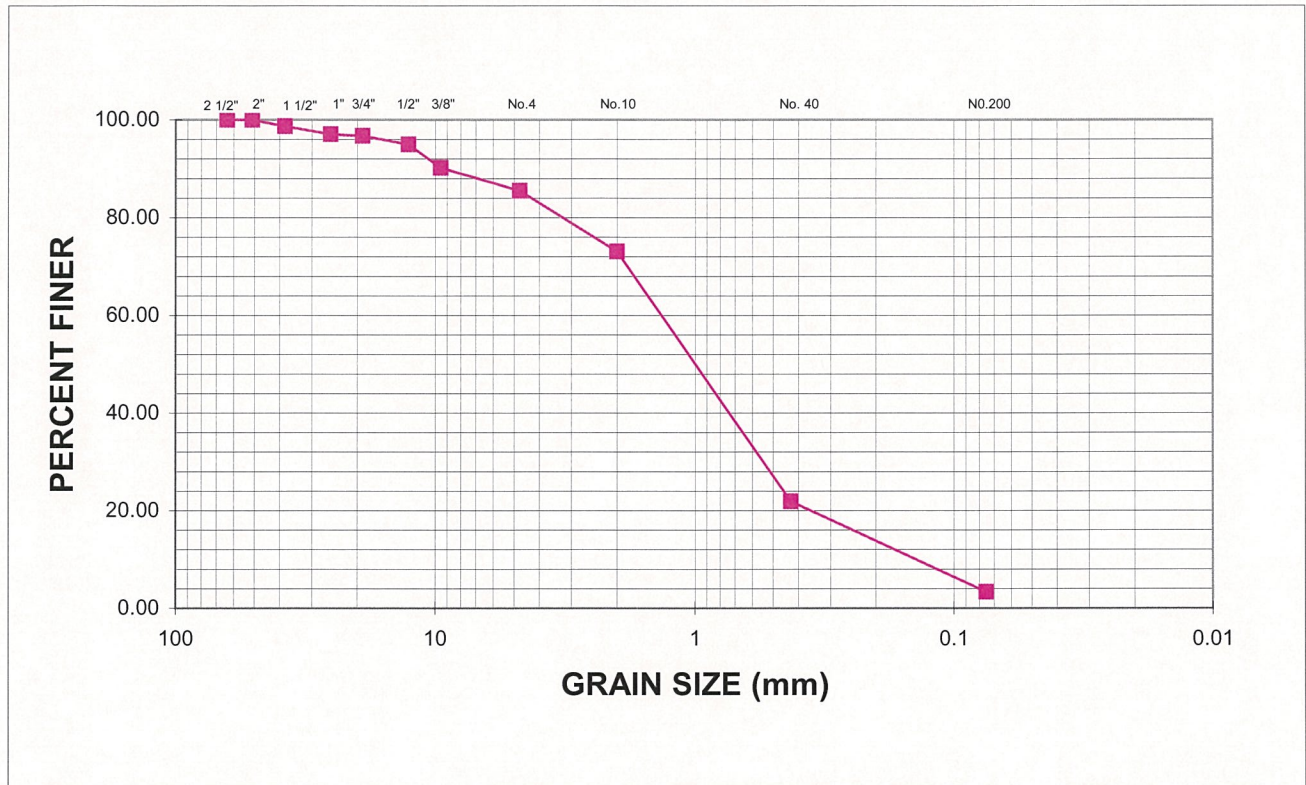
ADVANCED SOIL ENGINEERING

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GRAIN SIZE DISTRIBUTION TEST REPORT



% + 75 mm		% GRAVEL		% SAND		% SILT		% CLAY	
0.00		1.31		95.34		3.35			
LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
0	0	4.59	1.35	1.00	0.54				
MATERIAL DESCRIPTION								USCS	AASHTO
Pale yellow sand trace silt, limestone fragments (Talco)								0	0

Client : Mundo Real Quarry

Project : Mundo Real Quarry, Isabela, P.R.

Location : Mundo Real Quarry, Arenales Ward, Isabela, P.R.

Remarks : Tested by : Eduardo Rodriguez

Checked by : Nelson Muñoz, P.E.

Figure No. : 1

Date : May 30, 2007