

Laboratory Test Report

Project Name: Blue Mountain Minerals
Project No.: 20164423.001A
Lab No.: SAC35518
Sample Date: September 8, 2016
Date Received: September 8, 2016
Sample No.: 35518-1
Sample Location: Blue Mountain Minerals
Material Description: Coarse Washed Sand
Report Date: September 15, 2016

Particle Size Analysis (ASTM C136) (Sieve Analysis)

U.S. Standard Sieve Size		% Passing	PG&E Specification No. 4123
3/4 Inch	19-mm	100	
1/2 Inch	12.5-mm	100	100
3/8 Inch	9.5-mm	100	
No. 4	4.75-mm	99	75-100
No. 8	2.36-mm	78	
No. 16	1.18-mm	61	
No. 30	600-um	42	
No. 50	300-um	23	0-70
No. 100	150-um	8	0-30
No. 200	75-um	4.1	0-15

Coefficient of Uniformity

C_u	6.92	≥ 2.5
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Coarse Aggregate (>No. 4) Shape (ASTM D2488)

Shape	Angular	Rounded or Sub-rounded
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Sand Equivalent (ASTM D2419)

Sand Equivalent	87	≥ 20
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Organic Impurities in Fine Aggregates (ASTM C40, Glass Color Standard)

Organic Plate Number	1	\leq Organic Plate No. 3
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Soil pH and Resistivity

pH: 7.1	4.5 - 9
Resistivity: 46,000 ohms-cm	$\geq 5,000$ ohms-cm

Reviewed By: 

Limitations:

As the samples tested were sampled and/or transported to our laboratory by parties other than Kleinfelder staff, this report makes no representation of whether the samples are representative of the material onsite.

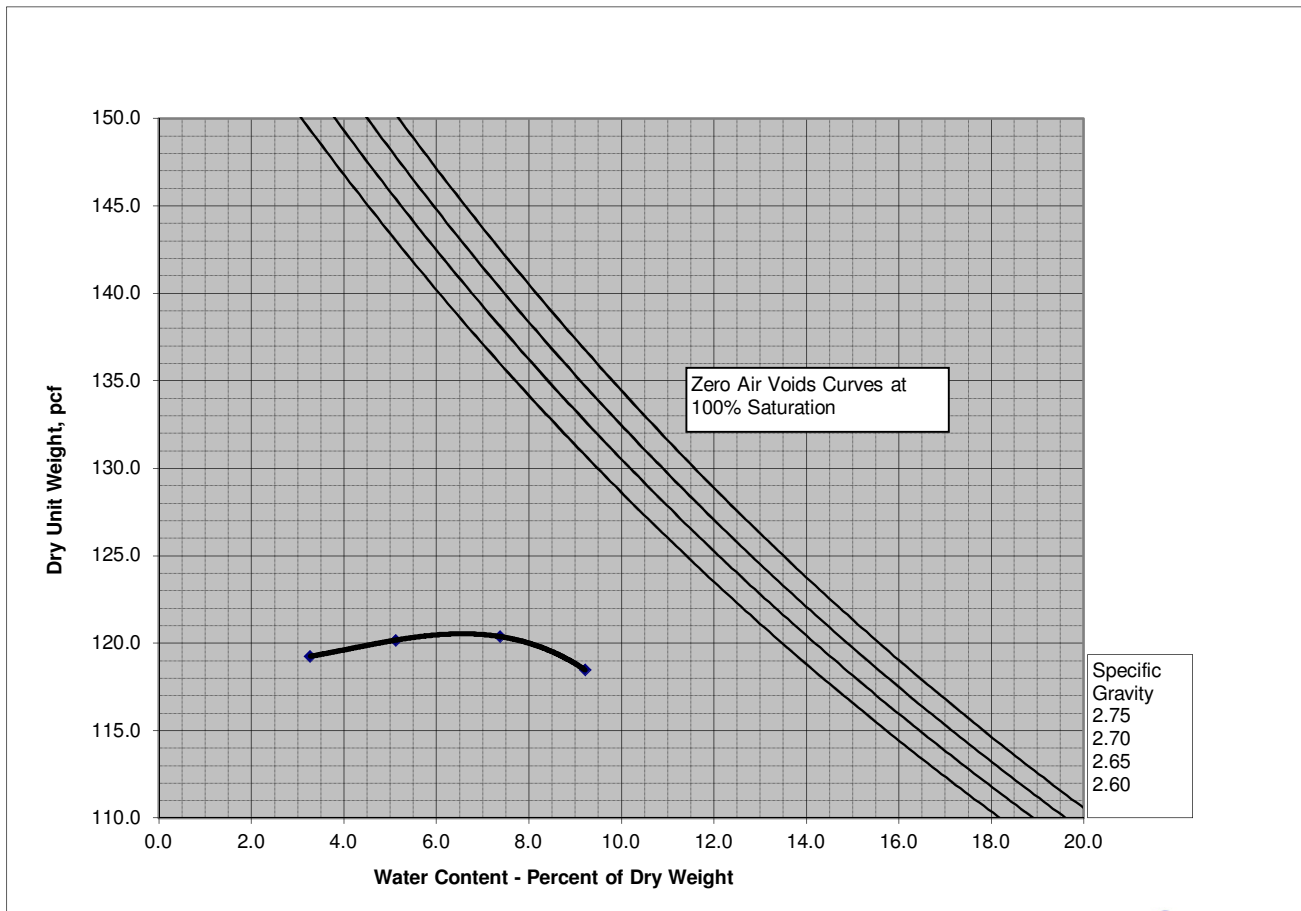
Pursuant to applicable building codes, the results presented in this report are for the exclusive use of the client and the registered design professional in responsible charge. The results apply only to the samples tested. If changes to the specifications were made and not communicated to Kleinfelder, Kleinfelder assumes no responsibility for pass/fail statements (meets/did not meet), if provided.

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Water Content and Dry Unit Weight Relations Using Modified Effort (56,000 lbf-ft³) (ASTM D1557)

Maximum Dry Unit Weight, pcf	120.5
Optimum Water Content, %	6.5
Method	A



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