

6980 Sierra Center Parkway, Suite 90
Reno, NV 89511

December 19, 2011
Revision 1
File: 1009

Mr. Chris Benna
RILITE AGGREGATES
3025 Mill Street
Reno, NV 89502

RE: Rilite Pit - S.P.P.Co. Sand

Dear Mr. Benna:

Per your request, we have performed aggregate quality testing on the sample of Rilite Pit S.P.P.Co. sand delivered to our laboratory on January 24th. Test results in comparison with Sierra Pacific bedding sand specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)		
U.S. Standard Sieve Size	Percent By Weight Passing	
	S.P.P.Co. Sand	S.P.P.Co. Specifications
3/8 Inch	100	100
No. 4	99	90 - 100
No. 8	88	-
No. 16	65	-
No. 30	48	-
No. 50	33	10 - 40
No. 100	19	3 - 20
No. 200	10.2	0 - 15

Plasticity Index (D4318)	
S.P.P.Co. Sand	S.P.P.Co. Specification
Nonplastic	Nonplastic

Angularity (ASTM D2488)		
S.P.P.Co. Sand	S.P.P.Co. Specification	
Angular	15.1%	30% Maximum
Subangular	82.1%	Acceptable
Subrounded	2.8%	Acceptable
Rounded	0%	Acceptable

Sand Equivalent (ASTM D2419)	
S.P.P.Co. Sand	S.P.P.Co. Specification
60	25 Minimum

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Moisture Density (ASTM D1557A)	
Maximum Dry Density	110.0 pcf
Optimum Moisture	14.0%


We appreciate this opportunity to provide our laboratory testing services. If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,

CONSTRUCTION MATERIALS ENGINEERS, INC.



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SLV:JAD:jwl
Enclosure

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