



**Stantec**

**Stantec Consulting Inc.**  
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January 29, 2009  
Project No. 80500565

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

**RE: Rilite Pit - 3/8-Inch Aggregate**

Dear Mr. Benna:

Per your request, we have performed aggregate quality testing on the sample of Rilite Pit 3/8-inch aggregate received by our laboratory on January 19<sup>th</sup>. Quality tests in comparison with ASTM C33 were performed for informational purposes. Test results in comparison with ASTM C330 specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)		
U.S. Standard Sieve Size	Percent by Weight Passing	
	Rilite Pit	3/8-Inch Aggregate (9.5 mm to 2.36 mm) ASTM C330 Specifications
1/2 Inch	100	100
3/8 Inch	100	80 - 100
No. 4	40	5 - 40
No. 8	5	0 - 20
No. 16	4	0 - 10
No. 30	4	-
No. 200	2.2	0 - 10

Clay Lumps and Friable Particles (ASTM C142)	
Percent Total Sample	ASTM C330 Specification
0.2%	2.0% Maximum

Aggregate Unit Weight (ASTM C29)		
		ASTM C330 Specification
Dry Rodded Unit Weight	76.2 PCF	-
Dry Loose Unit Weight	69.0 PCF*	55 PCF Maximum

\*Does not meet specification.

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Specific Gravity and Absorption (ASTM C127)	
Bulk Specific Gravity (SSD Basis)	2.19
Absorption	5.1%

**Informational Testing:**

Los Angeles Abrasion (ASTM C131)	
Percentage Loss After 500 Revolutions 3/8-Inch Aggregate (Grading C)	ASTM C33 Specifications
41.0%	50% Maximum

Sodium Sulfate Soundness (ASTM C88)	
Weighted Percentage Loss	ASTM C33 Specification
5.9%	10% Maximum

Lightweight Pieces (ASTM C123)	
Percent of Total Sample	ASTM C33 Specification
0.3%	0.5% Maximum

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,

**STANTEC CONSULTING INC.**

  
Steven L. Vineis  
Laboratory Manager/Associate  
Construction Administration Services

Jon A. Del Santo, PE  
Associate  
Construction Administration Services  
RE Number 17094  
Expiration Date 12-31-10



SLV:JAD:jwl

c: Steve Benna, CB Concrete  
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