



April 18, 2006

Randy Bevers  
Austin Reclaimed Materials LP  
P.O. Box 27935  
Austin, TX 78755

RE: Product Development - File #06040041

Dear Mr. Bevers:

Enclosed are the laboratory results of the Golf Sand sample. This sample was tested according to the USGA protocols. These results are being compared to the 2004 USGA recommendations for putting green construction.

The particle size results indicate the Golf Sand sample meets USGA particle size recommendations within a reasonable amount of error. The combined gravel and very coarse sand fractions are 11.3%, which is slightly higher than the recommended maximum of 10%.

If you have any questions or are in need of further assistance, please do not hesitate to contact us. Samples are generally kept on the premises for 45 days after report date. Thank you for using Turf Diagnostics and Design, Inc.

Sincerely,

Duane K. Otto  
Vice President

DKO:dko  
File: Austin Reclaimed Materials  
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# TURF DIAGNOSTICS & DESIGN

"Managing the Elements Through Science"



Austin Reclaimed Materials LP  
Randy Bevers  
PO Box 27935  
Austin TX 78755  
PHONE: 512-385-4755  
FAX: 512-233-0905

Date received Apr-14-2006  
Account No. 04065120  
Date reported Apr-18-2006  
Facility Product Development

### Particle Size Evaluation\*

Lab ID#	Sample Name	% Sand 2.0 - 0.05 mm	% Silt 0.05-0.002mm	% Clay < 0.002mm	Gravel 2.0 (10)	% Retained on USGA mm (US sieve)				
						V. Coarse 1.0 (18)	Coarse 0.5 (35)	Medium 0.25 (60)	Fine 0.15 (100)	V. Fine 0.05 (270)
06040041-1	Golf Sand	96.7	2.2	1.1	0.1	11.2	36.9	34.4	9.8	4.3
USGA Recommendations for Greens		> 92%	< 5%	< 3%	< 3%	< 7%**	> 60% Combined		< 20%	< 5%

Lab ID#	Sample Name	Uniformity Coefficient Cu	D15 mm	D50 mm	D85 mm	Shape Angularity	Shape Sphericity	Acid Reaction	pH <sup>‡</sup> 1:1	% Organic Matter Dry Wt.***
06040041-1	Golf Sand	3.4	0.22	0.48	0.93	Sub-Rounded to Sub-Angular	Medium	Severe		

A2LA Certificate Number 797-01

\*ASTM Method F1632

‡ASTM Method D4972 w/ H<sub>2</sub>O.

\*\*\*ASTM F1647 Method B

\*\*Maximum of 10% combined on Gravel (2.0 mm) and Very Coarse (1.0 mm) fractions.

Samples were tested as received and comments pertain only to the samples shown.

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Sample condition upon receipt was normal.

Samples were received with a transmittal letter.

Reviewed by \_\_\_\_\_