



Turf & Soil Diagnostics

June 14, 2016

Paul Hagy
Texas Sports Sands
1919 S Shiloh Ste 312-LB2
Garland, TX 75042

RE: South Texas 3/8" Pea Gravel - File #16060009

Dear Mr. Hagy:

Enclosed are the laboratory results of the South Texas 3/8" Pea Gravel 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 South Texas 3/8" Pea Gravel sample meets USGA recommended size criteria. This sample will meet the bridging criteria with sands that have a D85 greater than 0.35 mm.

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 & Soil Diagnostics, Inc.

Sincerely,

Duane K. Otto
Vice President

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Texas Sports Sands
 Paul Hagy
 1919 S Shiloh Ste 312-LB2
 Garland, TX 75042-8234



Date Received Jun-02-2016
 Date Reported Jun-14-2016
 Facility Product Development

Gravel Distribution Analysis*

| Lab ID# | Sample Name | % Passing (US sieve) mm | | | | | | | Uniformity Coefficient | D15 mm |
|------------|----------------------------|-------------------------|--------------------|--------------------|-----------------|-----------------|------------------|------------------|------------------------|-----------|
| | | 1/2 inch 12.5 mm | 3/8 inch 9.5 mm | 1/4 inch 6.3 mm | No. 5 4.0 mm | No. 7 2.8 mm | No. 10 2.0 mm | No. 18 1.0 mm | | |
| 16060009-7 | South Texas 3/8 Pea Gravel | 100.0 | 99.7 | 77.5 | 40.6 | 15.4 | 6.8 | 1.7 | 2.9 | 2.8 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | USGA Recommendations | 100 | - | - | - | - | ≤ 10 | ≤ 5 | < 3.0 | See Below |

USGA Gravel/Sand compatibility: D15 Gravel < 8 x D85 Sand (Bridging) & D15 Gravel > 5 x D15 Sand (Permeability)

*ASTM Method C136 & Determination of Size Factors SOP
 Samples were tested as received and comments pertain only to the samples shown.
 This report may not be reproduced in part, but only in full.
 Sample condition upon receipt was normal.
 Samples were received without a transmittal letter.

Reviewed by Duane K. Otto