

**Thomas Turf Services, Inc.**  
**Soil Analysis & Turf Management**

11183 State Hwy. 30  
 College Station, TX 77845  
 Phone: 979-774-1600  
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**Testing Certificate Number: 0743.01**  
**Geotechnical Putting Green Materials**

Faleria Comercial, S.R.L. Joan Barcelo Gonzalez Calle Duarte #12 Hato Mayor Del Rey, Dominican Republic Phone: 809-796-6579 Fax: 809-553-2953 E-mail: barcelojoan1976@gmail.com	Facility: Mina San Rafael Account No.: 98207 Lab ID: G9938 Date Rec'd: 11-Aug-16 Test Dates: 11-17-Aug-16 Report Date: 18-Aug-16
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**Physical Measurements Report**  
**ASTM Test Method F1815-11**

	Sat. Hydraulic Conductivity	Water Holding	Bulk Density	Particle Density	Porosity		
					Total	Capillary	Air-Filled
Units	in/hr	%	g/cc	g/cc	%	%	%
<b>2004 USGA Recommendations</b>	<b>≥6</b>				<b>35-55</b>	<b>15 to 25</b>	<b>15 to 30</b>
Sample ID							
SR-1601 Golf Sand @ 40 cm Tension		9.7	1.43	2.64	46.0	13.8	32.2
SR-1601 Golf Sand @ 30 cm Tension	32.5	12.1	1.43	2.64	46.0	17.3	28.7
SR-1601 Golf Sand @ 20 cm Tension		21.9	1.43	2.64	46.0	31.2	14.8
SR-1601 Golf Sand @ 10 cm Tension		28.0	1.43	2.64	46.0	39.9	6.1
SR-1601 Golf Sand @ Saturation		31.1	1.43	2.64	46.0	44.3	1.7

Core Samples Compacted Using 21 Drops of a 2.22 kg. Hammer = 14.7 ft. lbs. per sq. inch  
 †Particle Density Measured Using ASTM D5550-14

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

**James C. Thomas, C.P. Ag.**  
**Pres., Thomas Turf Services, Inc.**