



Testing Laboratory
Certificate #1552-01



ISTRC NEW MIX LAB, L.L.C.

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Report of Test Results

Report To: Mr. Paul Hagy

NEESE MATERIALS, INC.

Address: 1919 South Shiloh, Suite 312-LB2

Garland, TX 75042

Report Date: **October 5, 2009**

Date Received: September 30, 2009

Test Dates: Sept. 30 to Oct. 1

Condition of Sample(s): intact

Re: Dallas Country Club

Lab ID & Job Sequence: 09090011 A

Quality Control

Dry Screen Particle Size Analysis*

Sample # & Type	Sample Description	Soil Textural Components [Reported Values are % of the whole]			Sand Distribution by Size Size reported as Mesh # & mm [Value Reported is % Retained]						
		Sand .05 -2.0	Pan	#10 Gravel 2.0 mm	#18 v. Coarse 1.0 mm	#35 Coarse 0.5 mm	#60 Medium 0.25 mm	#80 Fine 0.18 mm	#100 Fine 0.15 mm	#140 v. Fine 0.10 mm	#270 v. Fine 0.05 mm
		USGA Recommended Specifications for Root Zone Mixes	≥ 89% of Total	Silt & Clay [unwashed sample]	≤ 3%	≤ 10%	≤ 10% #10 + #18	≥ 60% #35 + #60	≤ 20% #80 + #100	≤ 5% #140 + #270 & ≤ 10% w/ Silt + Clay	
1 B	95/05 Strong, Sure Play : Peat, Inc., reed sedge	99.71	0.22	0.07	3.81	40.54	44.62	8.12	1.72	0.68	0.20
2 B	95/05, Sure Play : Peat, Inc., reed sedge	99.62	0.33	0.05	3.51	40.49	45.19	7.90	1.70	0.66	0.18
3 B	95/05 Weak, Sure Play : Peat, Inc., reed sedge	99.79	0.15	0.06	3.73	40.56	45.46	7.84	1.70	0.62	0.17

*ASTM C136

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Infiltration Rate & Organic Matter

Sample # & Type	Sample Description	Infiltration Rate* [in./hr. Ksat]	Organic Matter** [% by wt.]
	USGA Recommended Specifications:	At least 6	
1 B	95/05 Strong, Sure Play : Peat, Inc., reed sedge	20.18	0.59
2 B	95/05, Sure Play : Peat, Inc., reed sedge	34.05	0.43
3 B	95/05 Weak, Sure Play : Peat, Inc., reed sedge	30.70	0.17

*ASTM F1815; **Method 1 of ASTM F1647



Comments:

1. A portion of each sample was oven dried and split into sub-samples for the particle size and organic content testing. The sand component in each sample complied with USGA particle size recommendations.

2. The infiltration rate testing did not follow protocol. The cores were loaded and immediately compacted. Sample 2 – 95/05 – had a higher rate because it had the lowest moisture content during the core preparation. The moisture contents were as follows: 7.8% for sample 1, 6.9% for sample 2, and 7.5% for sample 3.

3. The goal was to find a mix with an infiltration of approximately 25 in./hr. Based on the test results, it is our recommendation that the sample 2 - 95/05 – mix be the calibration used to blend the greens mix.

[Note: The opinions expressed in this report are outside the scope of the A2LA certification in accordance with ISO/IEC 17025, as amended from time to time.]

Sincerely;

New Mix Lab

by:

Robert S. Oppold, COO
Quality Manager