

# ISTRC **NEW MIX LAB**, L.L.C.

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Testing Laboratory  
Certificate #1552-01

## 2009

# Price Schedule & List of Services



[Effective: January 1, 2009]

### **Complete USGA Analysis [Including Mix Designs].** **\$395.00**

The complete analysis includes the following tests from the list below: (a) Particle Size Analysis with sand, silt, clay, & gravel components [ASTM F1632 & C136]; (b) Physical Properties Analysis [ASTM F1815 & SSSA PD]; (c) Organic Matter – the organic content of the mix or sample [Method A of ASTM F1647]; and (d) pH & EC [ASTM D4972 & SSSA EC]. [A **\$20.00 savings vs. the cost of the individual tests**] - 6 Business days.

### **Particle Size Analysis.** **\$100.00**

The analysis includes: (a) the distribution of a sample's sand, silt, clay, and gravel components, (b) sand particle shape, and (c) D<sub>85</sub>. [ASTM F1632 & C136] – 3 Business days.

### **Particle Size Analysis - Dry Screen** **\$60.00**

The analysis reports a sample's particle size distribution in a dried condition [ASTM C136] – 2 Business days.

### **Physical Properties Analysis.** **\$250.00**

The evaluation consists of the following physical properties: (a) Infiltration/percolation rate, (b) Particle Density, (c) Bulk Density, (d) Water Holding, (e) Total Porosity, (f) Water Porosity, and (g) Air Porosity. [ASTM F1815 & SSSA PD w/vacuum desiccator] – 5 Business days.

--- Infiltration rate [Ksat], only – 2 Business days. **\$60.00**

### **Organic Matter.** **\$40.00**

The analysis determines a sample's organic content using the combustion (ash) method. [Method A of ASTM F1647] An organic evaluation that is outside the scope of our accreditation is also available using the Walkley-Black Method [Method B of ASTM F1647] - 2 Business days.

### **Organic Soils, Peats, & Composts** **\$185.00**

The analysis is the ASTM's standard classification of Ash Content, Acidity, & Absorbancy. The testing includes ash content, moisture content [as rec'd], organic matter, pH, volume weights, water-holding capacity, and air capacity of saturated peats, organic soils, & composts. [ASTM D4427, D2974, D2976, & D2980. - 5 Business days.

Ash, OM, & moisture content only. - 3 Business days. **\$90.00**

### **pH & EC.** **\$25.00**

The analysis determines a sample's pH and EC. [ASTM D4972 & SSSA EC] – 2 Business days.

### **Gravel Particle Size Analysis.** **\$60.00**

The analysis includes: (a) a sieve analysis of fine & coarse aggregates, and (b) its bridging, permeability, and uniformity factors when compared to a specific root zone material. [ASTM C136] – 2 Business days.

### **Bunker Sand Analysis.** **\$100.00**

The analysis includes: (a) resistance to burying ('fried egg' lies) in moist & dry conditions, (b) percolation rate, (c) color, (d) shape, & (e) field water holding. [Note: A complete bunker sand evaluation should also include a Particle Size Analysis.] [NML SOP] – 4 Business days w/1.5 gal sample submitted.

**NML is accredited by The American Association for Laboratory Accreditation**

**NML is a member of the Golf Course Builders Association of America**

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#### Quality Control - Same Day.

**\$100.00**

"Dry screen" particle size analysis and organic matter evaluation of root zone mixes. [Next day results if received by 10 a.m.] [ASTM C136 & Method A of ASTM 1647]

---With infiltration rate [results late afternoon on the day after receipt if received by 10 a.m.] [ASTM F1815]:

**\$160.00**

#### Fairways Soil Survey.

**Call for  
Quotes**

A Fairways Soil Survey requires the use of a special plugger that allows the taking of substantially undisturbed core samples to a depth of 15 to 24 inches. A minimum of 50 samples are required. The analysis includes: (a) the distribution of each sample's sand, silt, clay, and gravel components, (b) its organic matter, (c) a patented time lapse photo of each sample under license from I.S.T.R.C. and (d) an Executive Summary analyzing the test results. [ASTM F1632, ASTM C136, & Method A of ASTM F1647]

#### Consulting Services.

**Call for  
Quotes**

Mr. Robert S. Oppold, COO, is available as a consultant, under the auspices of NML, for special projects and legal proceedings. An example of a special project was the Rose F. Kennedy Greenway; a series of three parks – Chinatown, Northend, and Warf – above the "Big Dig" underground highway project.

NOTE: The turnaround times include the day the sample is received if it is received before 10:00 a.m. Verbal results will be followed by written reports in all cases. We prefer emailing reports followed by signed hard copies.

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