

Table III  
Soil Properties and Test Methods

Soil Properties	Data Source	Methods
Dry Bulk Density	Field Measurement	ASTM <sup>1</sup> Methods D-1556, D-2167, D-2922 or D-2937
Infiltration Rate	Field Measurement	Double-Ring Infiltrometer
Moisture Content (average)	Lab Measurement	ASTM <sup>1</sup> D-2216
Organic Carbon Content (%)	Lab Measurement	Nelson & Sommers (1982) <sup>2</sup>
pH	Field Measurement	McLean (1982) <sup>3</sup>
Texture	Lab Measurement	Particle size analysis (Gee & Bauder, 1986) <sup>4</sup> ; USDA Classification

<sup>1</sup>American Society for Testing and Materials. Annual Book of ASTM Standards; Section 4, Construction, Volume 04.08, Soil and Rock; Dimension Stone; Geosynthetics.

<sup>2</sup>Nelson, D.W. and Sommers, L.E. (1982). Total carbon, organic carbon, and organic matter. Methods of Soil Analysis. Part 2. Chemical and Microbiological Properties. 2<sup>nd</sup> Edition, Number 9 (Part 2) in series. Pages: 539-579. American Society of Agronomy, Madison, WI.

<sup>3</sup>McLean, E.O. (1982). Soil pH and lime requirement. Methods of Soil Analysis. Part 2. Chemical and Microbiological Properties. 2<sup>nd</sup> Edition, Number 9 (Part 2) in series. Pages: 199-224. American Society of Agronomy, Madison, WI.

<sup>4</sup>Gee, G.W. and Bauder, J.W. (1986). Particle size analysis. In: A. Klute (ed.), Methods of Soil Analysis. Part 1. Physical and Mineralogical Methods. 2<sup>nd</sup> Edition, Number 9 (Part 1) in series. Pages: 383-411, American Society of Agronomy, Madison, WI.