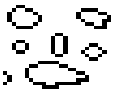
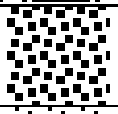
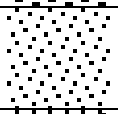
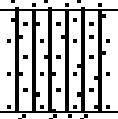
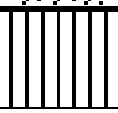
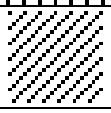
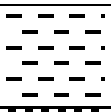
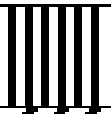
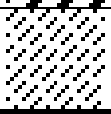
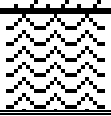
EXHIBITS

Exhibit 1. Unified Soil Classification System

Exhibit 2. Boring Log Legend

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPHIC	LETTER	
Coarse grained soils	Gravel and gravelly soils	Clean gravels (little or no fines)		GW	Well-graded gravels, Gravel, Sand mixtures, Little or no fines
				GP	Poorly-graded gravels, Gravel-sand mixtures, Little or no fines
	More than 50% of coarse fraction retained on No. 4 sieve	Gravel with fines (appreciable amount of fines)		GM	Silty gravels, Gravel-sand-silt mixtures
				GC	Clayey gravels, Gravel-sand-clay mixtures
More than 50% of material is larger than No. 200 sieve size	Sand and sandy soils	Clean sands (little or no fines)		SW	Well-graded sands, Gravelly sands, Little or no fines
				SP	Poorly-graded sands, Gravelly sands, Little or no fines
	More than 50% of coarse fraction passing on No. 4 sieve	Sands with fines (appreciable amount of fines)		SM	Silty sands, Sand-silt mixtures
				SC	Clayey sands, Sand-clay mixtures
Fine grained soils	Silts and clays	Liquid limit less than 50		ML	Inorganic silts and very fine sands, Rock flour, Silty or clayey fine sands or clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, Gravelly clays, Sandy clays, Silty clays, Lean clays
				OL	Organic silts and organic silty clays of low plasticity
More than 50% of material is smaller than No. 200 sieve size	Silts and clays	Liquid limit greater than 50		MH	Inorganic silts, Micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity, Fat clays
				OH	Organic clays of medium to high plasticity, Organic silts
Highly organic soils				PT	Peat, Humus, Swamp soils with high organic contents

Note: Dual symbols are used to indicate borderline soil classifications

EXHIBIT 1

Boring Legend

Sample Type

 Split Spoon Sample

 Split Spoon No Sample Recovered

 Disturbed Sample

 Standar Penetration Test Sample

 Standar Penetration Test No Sample Recovered

 Core

 Shelby Tube Sample

Field Tests

pen = Pocket Penetrometer
tor = Torvane

Lab Tests

LL = Liquid Limit (ASTM D-4318)
PI = Plasticity Index (ASTM D-4318)
CBR = California Bearing Ratio (ASTM D-1883)
CBR Exp. = CBR Expansion (ASTM D-1883)
MC = Moisture Content (ASTM D-2216)
DD = Dry Density / Dry Unit Weight (ASTM D-2937)
Gradation (Sieve Analysis of Fine and Coarse Aggregates) (ASTM C136)
SG = Specific Gravity (ASTM D-854)
Consol = Consolidation (ASTM D-2435)
Direct Shear (ASTM D-3080)
UC = Unconfined Compression (ASTM D-2166)
TxCU = Consolidated Undrained Triaxial Compression (ASTM D-4767)