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D4829-21 Standard Test Method for Expansion Index of Soils

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D4223/D4223M-20 Standard Practices for Preparation of Test Specimens of Asphalt-Stabilized Soils

D1143/D1143M-20 Standard Test Methods for Deep Foundation Elements Under Static Axial Compressive Load

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D5611-94(2016) Standard Guide for Conducting a Sensitivity Analysis for a Groundwater Flow Model Application

D5609-16 Standard Guide for Defining Boundary Conditions in Groundwater Flow Modeling

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D5313/D5313M-21 Standard Test Method for Evaluation of Durability of Rock for Erosion Control Under Wetting and Drying Conditions

D4611-16 Standard Test Method for Specific Heat of Rock and Soil

D4083-89(2016) Standard Practice for Description of Frozen Soils (Visual-Manual Procedure)

D4633-16 Standard Test Method for Energy Measurement for Dynamic Penetrometers

D698-12(2021) Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³))

D4612-16 Standard Test Method for Calculating Thermal Diffusivity of Rock and Soil

D1557-12(2021) Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³ (2,700 kN-m/m³))

D5084-16a Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter

D560/D560M-16 Standard Test Methods for Freezing and Thawing Compacted Soil-Cement Mixtures

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D5753-18 Standard Guide for Planning and Conducting Geotechnical Borehole Geophysical Logging

D2937-17e2 Standard Test Method for Density of Soil in Place by the Drive-Cylinder Method

D2980-17e1 Standard Test Method for Saturated Density, Moisture-Holding Capacity, and Porosity of Saturated Peat Materials

D4221-18 Standard Test Method for Dispersive Characteristics of Clay Soil by Double Hydrometer

D5783-18 Standard Guide for Use of Direct Rotary Drilling with Water-Based Drilling Fluid for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices

D4944-18 Standard Test Method for Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester

D5876/D5876M-17 Standard Guide for Use of Direct Rotary Wireline Casing Advancement Drilling Methods for Geoenvironmental Exploration and Installation of Subsurface Water-Quality Monitoring Devices

D5782-18 Standard Guide for Use of Direct Air-Rotary Drilling for Geoenvironmental Exploration and the Installation of Subsurface Water-Quality Monitoring Devices

D2488-17e1 Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)

D5784/D5784M-18 Standard Guide for Use of Hollow-Stem Augers for Geoenvironmental Exploration and the Installation of Subsurface Water Quality Monitoring Devices

D5521/D5521M-18 Standard Guide for Development of Groundwater Monitoring Wells in Granular Aquifers

D2168-10(2018) Standard Practices for Calibration of Laboratory Mechanical-Rammer Soil Compactors

D5780-18 Standard Test Methods for Individual Piles in Permafrost Under Static Axial Compressive Load

D2573/D2573M-18 Standard Test Method for Field Vane Shear Test in Saturated Fine-Grained Soils

D2166/D2166M-16 Standard Test Method for Unconfined Compressive Strength of Cohesive Soil

D5520-18 Standard Test Method for Laboratory Determination of Creep Properties of Frozen Soil Samples by Uniaxial Compression

D3213-19 Standard Practices for Handling, Storing, and Preparing Soft Intact Marine Soil

D4972-19 Standard Test Methods for pH of Soils

D4253-16e1 Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table

D1635/D1635M-19 Standard Test Method for Flexural Strength of Soil-Cement Using Simple Beam with Third-Point Loading

D5737/D5737M-19 Standard Guide for Methods for Measuring Well Discharge

D806-19 Standard Test Method for Cement Content of Hardened Soil-Cement Mixtures

D558/D558M-19 Standard Test Methods for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures

D4050-20 Standard Test Method for (Field Procedure) for Withdrawal and Injection Well Testing for Determining Hydraulic Properties of Aquifer Systems

D5787-20 Standard Practice for Monitoring Well Protection At or Near Land Surface

D4511-11(2020) Standard Test Method for Hydraulic Conductivity of Essentially Saturated Peat

D5240/D5240M-20 Standard Test Method for Evaluation of the Durability of Rock for Erosion Control Using Sodium Sulfate or Magnesium Sulfate

D4647/D4647M-13(2020) Standard Test Methods for Identification and Classification of Dispersive Clay Soils by the Pinhole Test

D4403-20 Standard Practice for Extensometers Used in Rock

D2487-17e1 Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)

D1632-17e1 Standard Practice for Making and Curing Soil-Cement Compression and Flexure Test Specimens in the Laboratory

D2974-20e1 Standard Test Methods for Determining the Water (Moisture) Content, Ash Content, and Organic Material of Peat and Other Organic Soils

D4767-11(2020) Standard Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils

D2435/D2435M-11(2020) Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading

D1997-20 Standard Test Method for Laboratory Determination of the Fiber Content of Peat and Organic Soils by Dry Mass

D5195-21 Standard Test Method for Density of Soil and Rock In-Place at Depths Below Surface by Nuclear Methods

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D5088-20 Standard Practice for Decontamination of Field Equipment Used at Waste Sites

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D2936-20 Standard Test Method for Direct Tensile Strength of Intact Rock Core Specimens

D420-18 Standard Guide for Site Characterization for Engineering Design and Construction Purposes

D4719-20 Standard Test Methods for Prebored Pressuremeter Testing in Soils

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D4943-18 Standard Test Method for Shrinkage Factors of Cohesive Soils by the Water Submersion Method

D4696-18 Standard Guide for Pore-Liquid Sampling from the Vadose Zone

D4631-18 Standard Test Method for Determining Transmissivity and Storativity of Low Permeability Rocks by In Situ Measurements Using Pressure Pulse Technique

D4630-19 Standard Test Method for Determining Transmissivity and Storage Coefficient of Low-Permeability Rocks by In Situ Measurements Using the Constant Head Injection Test

D5080-20 Standard Test Method for Rapid Determination of Percent Compaction

D5472/D5472M-20 Standard Practice for Determining Specific Capacity and Estimating Transmissivity at the Control Well

D5473/D5473M-20 Standard Practice for (Analytical Procedures) Analyzing the Effects of Partial Penetration of Control Well and Determining the Horizontal and Vertical Hydraulic Conductivity in a Nonleaky Confined Aquifer

D5850-20 Standard Practice for (Analytical Procedure) Determining Transmissivity, Storage Coefficient, and Anisotropy Ratio from a Network of Partially Penetrating Wells

D4104/D4104M-20 Standard Practice for (Analytical Procedures) Determining Transmissivity of Nonleaky Confined Aquifers by Overdamped Well Response to Instantaneous Change in Head (Slug Tests)

D4105/D4105M-20 Standard Practice for (Analytical Procedure) for Determining Transmissivity and Storage Coefficient of Nonleaky Confined Aquifers by the Modified Theis Nonequilibrium Method

D5716/D5716M-20 Standard Test Method for Measuring the Rate of Well Discharge by

Circular Orifice Weir

D5855/D5855M-20 Standard Practice for (Analytical Procedure) Determining Transmissivity and Storage Coefficient of Confined Nonleaky or Leaky Aquifer by Constant Drawdown Method in Flowing Well

D4106-20 Standard Practice for (Analytical Procedure) for Determining Transmissivity and Storage Coefficient of Nonleaky Confined Aquifers by the Theis Nonequilibrium Method

D5785/D5785M-20 Standard Practice for (Analytical Procedure) for Determining Transmissivity of Confined Nonleaky Aquifers by Underdamped Well Response to Instantaneous Change in Head (Slug Test)

D5777-18 Standard Guide for Using the Seismic Refraction Method for Subsurface Investigation

D5270/D5270M-20 Standard Practice for (Analytical Procedures) Determining Transmissivity and Storage Coefficient of Bounded, Nonleaky, Confined Aquifers

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D4318-17e1 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils

D4186/D4186M-20e1 Standard Test Method for One-Dimensional Consolidation Properties of Saturated Cohesive Soils Using Controlled-Strain Loading

D5312/D5312M-21 Standard Test Method for Evaluation of Durability of Rock for Erosion Control Under Freezing and Thawing Conditions

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D2434-22 Standard Test Methods for Measurement of Hydraulic Conductivity of Coarse-Grained Soils

D1586/D1586M-18e1 Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils

D2944-22 Standard Practice of Sampling Processed Peat Materials for Horticultural Purposes

D4542-22 Standard Test Methods for Pore Water Extraction and Determination of the Soluble Salt Content of Soils by Refractometer

D2977-22 Standard Practice for Particle Size Range of Peat Materials for Horticultural Purposes

D4452/D4452M-22 Standard Practice for X-Ray Radiography of Soil Samples

D2976-22a Standard Test Method for pH of Peat Materials

D5102/D5102M-22 Standard Test Methods for Unconfined Compressive Strength of Compacted Soil-Lime Mixtures

D653-22 Standard Terminology Relating to Soil, Rock, and Contained Fluids

D2844/D2844M-18e1 Standard Test Method for Resistance R-Value and Expansion Pressure of Compacted Soils

D2850-23 Standard Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils

D5550-23 Standard Test Method for Specific Gravity of Soil Solids by Gas Pycnometer

D5715-23 Standard Practice for Estimating the Degree of Humification of Peat and Other Organic Soils (Visual/Manual Method)

D4427-23 Standard Classification of Peat Samples by Laboratory Testing

D3967-23 Standard Test Method for Splitting Tensile Strength of Intact Rock Core Specimens with Flat Loading Platens

D4832/D4832M-23 Standard Test Method for Preparation and Testing of Controlled Low Strength Material (CLSM) Cylindrical Test Specimens

D5745-23 Standard Guide for Developing and Implementing Interim and Early Actions for Waste Contamination Site Remediation

D2978-23 Standard Test Method for Volume of Peat and Peat-Based Growing Media

D4718/D4718M-15(2023) Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles

D5334-22ae1 Standard Test Method for Determination of Thermal Conductivity of Soil and Rock by Thermal Needle Probe Procedure

D5255-15(2023) Standard Practice for Certification of Personnel Engaged in the Testing of Soil and Rock

D559/D559M-15(2023) Standard Test Methods for Wetting and Drying Compacted Soil-Cement Mixtures

D854-23 Standard Test Methods for Specific Gravity of Soil Solids by the Water Displacement Method

D5268-23 Standard Specification for Topsoil Used for Landscaping and Construction Purposes

D2973-23 Standard Test Method for Total Nitrogen in Peat Materials

D4531-23 Standard Test Methods for Bulk and Dry Density of Peat and Peat Products

D3080/D3080M-23 Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions

D3740-23 Standard Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction

D586-23 Standard Test Method for Ash and Organic Matter Content of Degradable Erosion Control Products