

PART 542 - SPECIFICATIONS

SUBPART C - EXHIBIT

§WI 542.40

List of Reference Specifications

This exhibit lists the number, current issue date, and title of all reference specifications that are to be maintained by the state office engineering staffs. These are the specifications currently referenced in NRCS Construction Specifications, National Handbook of Conservation Practices, and Section 19 of the National Engineering Handbook.

The column on the right side of the ASTM listing titled "Applicable CS or MS" refers to the Construction Specification or Material Specification number in National Engineering Handbook Section 20, Specifications for Construction Contracts.

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DECEMBER 2005 NRCS KEY REFERENCE ASTM STANDARDS LIST

This lists the number, current issue date and title of all NRCS key reference American society for testing and materials (ASTM) standards

<u>"A" SERIES</u>		<u>Applicable CS or MS</u>
■ A6/A6M-05a	Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling	<u>APP MS 511, 581</u>
■ A27/A27M-05	Standard Specification for Steel Castings, Carbon, for General Application	<u>MS 572, 573</u>
■ A29/A996M-05	Standard Specification for Steel Bars, Carbon and Alloy, Hot-Wrought, General Requirements	<u>APP 581</u>
▶ A31-04	Standard Specification for Steel Rivets and Bars for Rivets, Pressure Vessels	<u>MS 581</u>
■ A36/A36M-05	Standard Specification for Carbon Structural Steel	<u>MS 511, 571, 572, 573, 581</u>
R A47/A 47M-99 (2004) (Re-approved)	Standard Specification for Ferritic Malleable Iron Castings	<u>CS 83</u>
A48/A48M-03	Standard Specification for Gray Iron Castings	<u>MS 571, 572, 573</u>
■ A53/A53M-05	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	<u>MS 554, 591</u>
■ A82/A82M-05a-	Standard Specification for Steel Wire, Plain, for Concrete Reinforcement	<u>APP MS 53</u>
A90/A 90M-01	Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings	<u>APP MS 581</u>
■ A108-03 ^{e1}	Standard Specification for Steel Bars, Carbon, Cold Finished,	<u>MS 571, 572, 573</u>
■ A116-05	Standard Specification for Metallic-Coated, Steel Woven Wire Fence Fabric	<u>MS 591</u>
A121-99(2004)	Standard Specification for Metallic-Coated Carbon Steel Barbed Wire	<u>CS 91, MS 591</u>
A123/A 123M-02	Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	<u>MS 582</u>
■ A126-04	Standard Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings	<u>MS 571, 572, 573</u>

Updated 12-27-05

LEGEND

■ - Indicates new edition since 12-2-04 Key List

▶ - Indicates Standard Added in 2005

R - Indicates Re-approved since Dec 2004 Key List

●●● - Indicates applicable to other NRCS Programs

BOLD TYPE - Indicates that Project Construction activities should have this ASTM

MS 571 OR CS 31 - Indicates the Material or Construction Specification that lists the ASTM

APP MS 551 OR CS 83 - Indicates not listed in Material or Construction Specs but is applicable Material or Construction Specifications.

<u>"A" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
R A134-96(2005) (Re-approved)	Standard Specification for Pipe, Steel, Electric- Fusion (Arc)-Welded (Arc)-Welded (Size NPS 16 and Over)	<u>MS 554</u>
■ A135-05	Standard Specification for Electric-Resistance-Welded Steel Pipe	<u>MS 554</u>
■ A139/A139M-04	Standard Specification for Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over)	<u>MS 554</u>
■ A148/A148M-05	Standard Specification for Steel Castings, High Strength, for Structural Purposes	<u>MS 572, 573</u>
■ A153/A153M-05	Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware	<u>MS 581,582</u>
R A167-99 (2004) (Re-approved)	Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip	<u>MS 571, 572, 573</u>
■ A184/A184M-05	Standard Specification for Fabricated Deformed Steel Bar Mats for Concrete Reinforcement	<u>MS 539</u>
■ A185/A185M-05a	Standard Specification for Steel Welded Wire Reinforcement, Plain, for Concrete	<u>CS 64, MS 539</u>
■ A242/A242M-04 ^{e1}	Standard Specification for High-Strength Low-Alloy Structural Steel	<u>MS 581</u>
■ A276-05a	Standard Specification for Stainless Steel Bars and Shapes	<u>MS 571, 572, 573</u>
A283/A283M-03	Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	<u>MS 581</u>
■ A307-04	Standard Specification for Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength	<u>CS 83, MS 581</u>
■ A325-04b	Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength	<u>MS 581</u>
■ A328/A328M-05	Standard Specification for Steel Sheet Piling	<u>MS 511</u>
■ A385-05	Standard Practice for Providing High-Quality Zinc Coatings (Hot-Dip)	<u>APP MS 58</u>
A390-95(2001)	Standard Specification for Zinc-Coated (Galvanized) Steel Poultry Fence Fabric (Hexagonal and Straight Line)	<u>MS 591</u>
A392-03	Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric	<u>CS 91</u>
A436-84(2001) (Re-approved)	Standard Specification for Austenitic Gray Iron Castings	<u>MS 571</u>
■ A449-04b	Standard Specification for Quenched and Tempered Steel Bolts and Studs	<u>APP MS 58</u>
■ A494/A494M-05	Standard Specification for Castings, Nickel and Nickel Alloy	<u>MS 571, 572</u>
■ A496/A496M-05	Standard Specification for Steel Wire, Deformed, For Concrete Reinforcement	<u>APP CS 31, 32</u>
■ A497/A497M-05a	Standard Specification for Steel Welded Wire Reinforcement, Deformed, for Concrete	<u>MS 539</u>

<u>"A" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
A501-01	Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing	<u>APP MS 581</u>
A502-03	Standard Specification for Rivets, Steel, Structural	<u>APP MS 581</u>
A563-04a	Standard Specification for Carbon and Alloy Steel Nuts	<u>APP MS 581</u>
■ A568/A568M-05a	Standard Specification for Steel, Sheet, Carbon, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for	<u>APP MS 581</u>
A572/A572M-04	Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel	<u>MS 511</u>
A575-96(2002) (Re-approved)	Standard Specification for Steel Bars, Carbon, Merchant Quality, M-Grades	<u>MS 571, 572, 573, 581</u>
■ A582/A582M-05	Standard Specification for Free-Machining Stainless Steel Bars	<u>MS 571, 572, 573</u>
■ A588/A588M-05	Standard Specification for High-Strength Low-Alloy Structural Steel with 50 ksi [345 MPa] Minimum Yield Point to 4-in [100 mm] Thick	<u>MS 581</u>
A589-96(2001)	Standard Specification for Seamless and Welded Carbon Steel Water-Well Pipe	<u>APP MS 554</u>
■ A615/A615M-05a	Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement	<u>MS 539</u>
A641/A641 M-03	Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire	<u>CS 64, MS 591</u>
■ A648-04a	Standard Specification for Steel Wire, Hard-Drawn for Prestressing Concrete Pipe	<u>APP CS 41, 42</u>
■ A653/A653M-05a	Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process	<u>MS 538, 571, 573, 581</u>
A690/A690M-00a	Standard Specification for High-Strength Low-Alloy Steel H-Piles and Sheet Piling for Use in Marine Environments	<u>MS 511</u>
A702-89(2000) (Re-approved)	Standard Specification for Steel Fence Posts and Assemblies, Hot Wrought	<u>MS 591</u>
A711-04	Standard Specification for Steel Forging Stock	<u>CS 83</u>
A742/A742M-03	Standard Specification for Steel Sheet, Metallic-Coated and Polymer Precoated for Corrugated Steel Pipe	<u>MS 551</u>
A760/A760M-01a	Standard Specification for Corrugated Steel Pipe, Metallic-Coated for Sewers and Drains	<u>CS 51, MS 551</u>
A761/A761M-04	Standard Specification for Corrugated Steel Structural Plate, Zinc-Coated for Field-Bolted Pipe, Pipe-Arches, and Arches	<u>MS 551</u>
A762/A762M-00	Standard Specification for Corrugated Steel Pipe, Polymer Precoated for Sewers and Drains	<u>CS 51, MS 551, 552</u>
A775/A775M-04a	Standard Specification for Epoxy-Coated Reinforcing Steel Bars	<u>MS 539</u>
A780-01	Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings	<u>MS 551</u>

"A" SERIES Cont'd.**Applicable CS or MS**

■ A796/A796M-04a	Standard Practice for Structural Design of Corrugated Steel Pipe, Pipe-Arches, and Arches for Storm and Sanitary Sewers and Other Buried Applications	<u>APP MS 551</u>
A798/A798M-01	Standard Practice for Installing Factory-Made Corrugated Steel Pipe for Sewers and Other Applications	<u>APP MS 551</u>
R A849-00 (2005) (Re-approved)	Standard Specification for Post-Applied Coatings, Pavings, and Linings for Corrugated Steel Sewer and Drainage Pipe	<u>CS 51 MS 551, 552</u>
A854/A854M-98(2003) (Re-approved)	Standard Specification for Metallic-Coated Steel Smooth High-Tensile Fence and Trellis Wire	<u>MS 591</u>
■ A857/A857M-05	Standard Specification for Steel Sheet Piling, Cold Formed, Light Gage	<u>APP MS 511</u>
R A858/A858M-00 (2005) (Re-approved)	Standard Specification for Heat-Treated Carbon Steel Fittings for Low-Temperature and Corrosive Service	<u>MS 554</u>
A865-03	Standard Specification for Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints	<u>MS 554</u>
■ A875/A875M-05	Standard Specification for Steel Sheet, Zinc-5% Aluminum Alloy-Coated by the Hot-Dip Process	<u>MS 551</u>
A885/A885M-96(2002) (Re-approved)	Standard Specification for Steel Sheet, Zinc and Aramid Fiber Composite coated for Corrugated Steel Sewer, Culvert, and Underdrain Pipe	<u>CS 51 MS 551</u>
A924/A924M-04	Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process	<u>MS 571, 573, 581</u>
A929/A929M-01	Standard Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe	<u>MS 551</u>
■ A996/A996M-05a	Standard Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement (Replaces A 616 and A 617)	<u>MS 539</u>
■ A1008/A1008M-05b	Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable (Replaces A 611)	<u>MS 581</u>
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■ A1011/A1011M-05a	Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability (Replaces A 569 and A 570)	<u>MS 571, 572, 581</u>

"B" SERIES**Applicable CS or MS**

B6-03	Standard Specification for Zinc	<u>APP MS 582</u>
■ B21/B21M-01 ^{e1}	Standard Specification for Naval Brass Rod, Bar, and Shapes	<u>MS 571, 572, 573</u>
B98/ 98M-03	Standard Specification for Copper-Silicon Alloy Rod, Bar, and Shapes	<u>MS 571, 572, 573</u>
■ B103/103M-04	Standard Specification for Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar	<u>MS 571, 572</u>

<u>"B" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
B117-03	Standard Practice for Operating Salt Spray (Fog) Apparatus	<u>CS 64</u>
■B127-05	Standard Specification for Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip	<u>MS 571, 572</u>
B138/138M-01	Standard Specification for Manganese Bronze Rod, Bar and Shapes	<u>MS 571, 572</u>
B139/139M-01	Standard Specification for Phosphor Bronze Rod, Bar, and Shapes	<u>MS 571, 572</u>
B152/B152M-00	Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar	<u>MS 538</u>
B164-03	Standard Specification for Nickel-Copper Alloy Rod, Bar and Wire	<u>MS 571, 572</u>
B209-04	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate	<u>MS 581</u>
■B210-04	Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes	<u>MS 581</u>
B211-03	Standard Specification for Aluminum and Aluminum-Alloy Bar, Rod, and Wire	<u>MS 581</u>
■B221-05a	Standard Specification for Aluminum and Aluminum-Alloy, Extruded Bars Rods, Wire, Profiles, and Tubes	<u>MS 581</u>
B241/B241M-02	Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube	●●●
B308/308M-02	Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles	<u>MS 581</u>
B316/ 316M-02	Standard Specification for Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods	<u>MS 581</u>
B418-01	Standard Specification for Cast and Wrought Galvanic Zinc Anodes	<u>APP CS 52</u>
B429-02	Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube	<u>MS 581</u>
■B584-05	Standard Specification for Copper Alloy Sand Castings for General Applications	<u>MS 571, 572, 573</u>
B633-98 ^{e1}	Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel	<u>MS 581, 582</u>
B744/B744M-05	Standard Specification for Aluminum Alloy Sheet for Corrugated Aluminum Pipe	<u>MS 552</u>
R B745/B745M-97(2005) (Re-approved)	Standard Specification for Corrugated Aluminum Pipe for Sewers and Drains	<u>MS 552</u>
B746/B746M-02	Standard Specification for Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches	<u>MS 552</u>
B766-86(2003) (Re-approved)	Standard Specification for Electrodeposited Coatings of Cadmium	<u>MS 581, 582</u>

"B" SERIES Cont'd.**Applicable CS or MS**

B790/B790M-00 Standard Practice for Structural Design of Corrugated Aluminum Pipe, Pipe-Arches, and Arches for Culverts, Storm Sewers, and Other Buried Conduits

MS 552

"C" SERIES**Applicable CS or MS**

■ C4-04 ^{ε1}	Standard Specification for Clay Drain Tile and Perforated Clay Drain Tile	<u>MS 544</u>
■ C12-04 ^{ε1}	Standard Practice for Installing Vitrified Clay Pipe Lines	<u>APP CS 43</u>
■ C14-05	Standard Specification for Concrete Sewer, Storm Drain, and Culvert Pipe	<u>MS 542</u>
■ C14M-05	Standard Specification for Concrete Sewer, Storm Drain, and Culvert Pipe [Metric]	<u>APP MS 542</u>
R C29/C29M-97(2003) (Re-approved)	Standard Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate	<u>CS 36,</u> <u>APP MS 521, 522, 523</u>
C31/C31M-03a	Standard Practice for Making and Curing Concrete Test Specimens in the Field	<u>CS 23, 24, 31, 32</u>
C33-03	Standard Specification for Concrete Aggregates	<u>CS 14, 36, MS 522, 524</u>
■ C39/C39M-05	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	<u>CS 31, 32, 35, 36</u>
C40-04	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	<u>APP MS 522</u>
■ C42/C42M-04	Standard Test Methods for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	<u>CS 31, 32, 36</u>
C70-94(2001) (Re-approved)	Standard Test Method for Surface Moisture in Fine Aggregate	<u>APP MS 522</u>
■ C76-05b	Standard Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	<u>MS 542</u>
■ C76M-05b	Standard Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe [Metric]	<u>APP MS 542</u>
C78-02	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	<u>APP CS 31, 32</u>
■ C88-05	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	<u>MS 521, 523</u>
■ C94/C94M-04a	Standard Specification for Ready-Mixed Concrete	<u>CS 29, 33, 35, 36</u>
■ C110-05a	Standard Test Methods for Physical Testing of Quicklime, Hydrated Lime and Limestone	<u>MS 593</u>
■ C117-04	Standard Test Method For Materials Finer Than 75-um (No. 200) Sieve In Mineral Aggregates by Washing	<u>MS 521</u>
■ C118-05	Standard Specification for Concrete Pipe for Irrigation or Drainage	<u>MS 543</u>
■ C123-04	Standard Test Method for Lightweight Particles in Aggregate	<u>APP MS 52</u>

<u>"C" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
C125-03	Standard Terminology Relating to Concrete and Concrete Aggregates	<u>CS 31, 32, MS 522 APP</u>
■ C127-04	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	<u>CS 36, MS 523</u>
■ C128-04a	Standard Test Method for Density, Relative Density (Specific Gravity) and Absorption of Fine Aggregate	<u>CS 36, APP MS 522</u>
■ C136-05	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	<u>MS 521</u>
C138/C138M-01a	Standard Test Method for Unit Weight, Yield, and Air Content (Gravimetric) of Concrete	<u>CS 31, 32, 62</u>
■ RC142-97 (2004) (Re-approved)	Standard Test Method for Clay Lumps and Friable Particles In Aggregates	<u>APP MS 522</u> -
■ C143/C143M-05a	Standard Test Method for Slump of Hydraulic Cement Concrete	<u>CS 31, 32, 36</u>
■ C150-05	Standard Specification for Portland Cement	<u>MS 531</u>
C171-03	Standard Specification for Sheet Materials for Curing Concrete	<u>CS 31, 32, 36</u>
C172-04	Standard Practice for Sampling Freshly Mixed Concrete	<u>CS 31, 32, 62</u>
C173/C173M-01^{e1}	Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method	<u>CS 31, 32</u>
■ C192/C192M-05	Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory	<u>APP CS 31, 32</u>
■ C207-05	Standard Specification for Hydrated Lime for Masonry Purposes	○○○
C227-03	Standard Test Method for Potential Alkali Reactivity of Cement-Aggregate Combinations (Mortar-Bar Method)	<u>MS 522, 524</u>
■ C231-04	Standard Test Method for Air Content of Freshly Mixed Concrete by The Pressure Method	<u>CS 31, 32</u>
■ C233-04	Standard Test Method for Air-Entraining Admixtures for Concrete	<u>APP MS 533</u>
C260-01	Standard Specification for Air-Entraining Admixtures for Concrete	<u>CS 33, MS 533</u>
C289-03	Standard Test Method for Potential Reactivity of Aggregates (Chemical Method)	<u>MS 522, 524</u>
C295-03	Standard Guide for Petrographic Examination of Aggregates for Concrete	<u>APP MS 521</u>
■ C301-04	Standard Test Methods for Testing Vitrified Clay Pipe	<u>APP CS 43</u>
C309-03	Standard Specification for Liquid Membrane-Forming	<u>CS 29,31,32,35 MS 534</u>
■ C361-05 ^{e1}	Standard Specification for Reinforced Concrete Low-Head Pressure Pipe	<u>MS 541</u>
■ C361M-05	Standard Specification for Reinforced Concrete Low-Head Pressure Pipe [Metric]	<u>MS 541</u>

"C" SERIES Cont'd.**Applicable CS or MS**

C412-05	Standard Specification for Concrete Drain Tile	<u>MS 543</u>
C425-04	Standard Specification for Compression Joints for Vitrified Clay Pipe and Fittings	<u>CS 43, MS 544</u>
■C443 05a	Standard Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets	<u>MS 542</u>
C444-03	Standard Specification for Perforated Concrete Pipe and Fittings	<u>MS 543</u>
C470/C470M-02a	Standard Specification for Molds for Forming Concrete Test Cylinders Vertically	<u>APP CS, 31, 32</u>
C478-05	Standard Specification for Precast Reinforced Concrete Manhole Sections	<u>APP CS 42</u>
■C494/C494M-05	Standard Specification for Chemical Admixtures for Concrete	<u>CS 31, 32, 33, 36</u> <u>MS 533 & APP CS 35</u>
■C497-05	Standard Test Methods for Concrete Pipe Manhole Sections or Tile	<u>MS 541</u>
■C505-05	Standard Specification for Nonreinforced Concrete Irrigation Pipe With Rubber Gasket Joints	<u>MS 543</u>
■C506-05a	Standard Specification for Reinforced Concrete Arch Culvert, Storm Drain and Sewer Pipe	<u>MS 542</u>
■C507-05a	Standard Specification for Reinforced Concrete Elliptical Culvert, Storm Drain and Sewer Pipe	<u>S 542</u>
C566-97(2004) (Re-approved)	Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying	<u>CS 36, APP CS 31, 32</u>
■C595-05	Standard Specification for Blended Hydraulic Cements	<u>MS 531</u>
■C618-05	Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete	<u>CS 29, 33, 62, 63</u> <u>MS 532</u>
■C655-04 ^{e1}	Standard Specification for Reinforced Concrete D-Load Culvert, Storm Drain and Sewer Pipe	<u>MS 542</u>
■C655M-04 ^{e1}	Standard Specification for Reinforced Concrete D-Load Culvert, Storm Drain and Sewer Pipe [Metric]	<u>APP MS 542</u>
C666/C666M-03	Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing	<u>APP CS 31, 32</u>
C684-99(2003) (Re-approved)	Standard Test Method for Making, Accelerated Curing, and Testing Concrete Compression Test Specimens	<u>APP CS 3, 32</u>
C685/C685M-01	Standard Specification for Concrete Made By Volumetric Batching and Continuous Mixing	<u>CS 31, 32, 36</u>
C700-05	Standard Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength and Perforated	<u>MS 544</u>
C702-98(2003) (Re-approved)	Standard Practice for Reducing Field Samples of Aggregate to Testing Size	<u>APP MS 522</u>
■C717-05 a	Standard Terminology of Building Seals and Sealants	<u>APP CS 31, 32, MS 536</u>

<u>"C" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
C823-00	Standard Practice for Examination and Sampling of Hardened Concrete in Constructions	<u>APP CS 31, 32</u>
C828-03	Standard Test Method for Low-Pressure Air Test of Vitrified Clay Pipelines	<u>APP CS 43</u>
■C877-02 ^{e1}	Standard Specifications External Sealing Bands for Concrete Pipe, Manholes and Precast Box Sections	<u>MS 536</u>
■C882-05	Standard Test Method for Bond Strength of Epoxy-Resin Systems Used With Concrete By Slant Shear	<u>CS 35</u>
C913-02	Standard Specification for Precast Concrete Water and Wastewater Structures	●●●
■C920-05	Standard Specification for Elastomeric Joint Sealants	<u>MS 536</u>
C924-02	Standard Practice For Testing Concrete Pipe Sewer Lines by Low-pressure Air Test Method	<u>CS 41</u>
C977-03	Standard Specification for Quicklime and Hydrated Lime for Soil Stabilization	<u>MS 593</u>
■C989-05	Standard Specification for Ground Granulated Blast-Furnace Slag for Use in Concrete and Mortars)	<u>MS 532</u>
C990-03a	Standard Specification for Joints for Concrete Pipe, Manholes and Precast Box Sections Using Preformed Flexible Joint Sealants)	<u>MS 536</u>
C1017/C1017M-03	Standard Specification for Chemical Admixture for Use in Producing Flowing Concrete	<u>CS 31, 32, MS 533</u>
■C1040-05	Standard Test Methods for In-Place Density of Unhardened and Hardened Concrete, Including Roller Compacted Concrete, By Nuclear Methods	<u>CS 33, 36</u>
■C1064/C1064M-05	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	<u>CS 31, 32</u>
■C1077-05a	Standard Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for	<u>APP CS 31, 32</u> <u>Laboratory Evaluation</u>
C1103-03	Standard Practice for Joint Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines	<u>CS 41, 42</u>
C 1116-03	Standard Specification for Fiber-Reinforced Concrete and Shotcrete	<u>APP CS 31, 32, 33</u>
C 1140-03a	Standard Practice For Preparing and Testing Specimens from Shotcrete Test panels	<u>CS 33, 36</u>
C 1141-01	Standard Specification for Admixtures for Shotcrete	<u>APP CS 33</u>
C1170-91(1998) ^{e1} (Re-approved)	Standard Test Methods for Determining Consistency and Density of Roller-Compacted Concrete Using a Vibrating Table	<u>CS 36</u>
C1176-92(1998)	Standard Practice for Making Roller-Compacted Concrete in Cylinder Molds Using a Vibrating Table	<u>CS 36</u>
■C1193-05a	Standard Guide for Use of Joint Sealants	<u>APP CS 31, 32</u>

"C" SERIES Cont'd.**Applicable CS or MS**

■ C1262-05a	Standard Test Method for Evaluating the Freeze-Thaw Durability of Manufactured Concrete Masonry Units and Related Concrete Units	○○○
C1330-02	Standard Practice For Cylindrical Sealant Backing for use with Cold Liquid Applied Sealants	<u>APP CS 42</u>
■ C1433-04e1	Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers (Replaces C 789 and C850)	<u>MS 542</u>
■ C1433M-04e1	Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers [Metric] (Replaces C 789 and C850)	<u>MS 542</u>
■ C1435/C1435M-05	Standard Practice for Molding Roller-Compacted Concrete in Cylinder Molds Using a Vibrating Hammer	<u>CS 36</u>

"D" SERIES**Applicable CS or MS**

D4-86 (2004) (Re-approved)	Standard Test Method of Bitumen Content	<u>MS 583</u>
R D25-99(2005) (Re-approved)	Standard Specification for Round Timber Piles	<u>MS 512</u>
D75-03	Standard Practice For Sampling Aggregates	<u>CS 36, APP MS 521, 522</u>
R D79-86 (2004) (Re-approved)	Standard Specification for Zinc Oxide Primer	<u>CS 51</u>
■ D98-05	Standard Specification for Calcium Chloride	<u>CS 33, APP CS 31</u>
D235-02	Standard Specification for Mineral Spirits (Petroleum Spirits) (Hydrocarbon Dry Cleaning Solvent)	<u>CS 84</u>
■ D244 04	Standard Test Methods for Emulsified Asphalts	○○○
D245-00 (2002) ^{e1} (Re-approved)	Standard Practice for Establishing Structural Grades and Related Allowable Properties for Visually Graded Lumber	<u>MS 584</u>
D360-89(2001)	Standard Specification for Shellac Varnish	<u>CS 84</u>
D395-03	Standard Test Methods for Rubber Property—Compression Set	<u>MS 537</u>
D412-98a (2002) ^{e1} (Re-approved)	Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension	<u>CS 64, MS 537</u>
D413-98(2002) ^{e1} (Re-approved)	Standard Test Methods for Rubber Property—Adhesion to Flexible Substrate	<u>MS 594</u>
D420-98 (2003) (Re-approved)	Standard Guide for Site Characteristics for Engineering, Design and Construction Purposes	○○○
R D520-00(2005) (Re-approved)	Standard Specification for Zinc Dust Pigment	<u>CS 51</u>
R D545-99(2005) (Re-approved)	Standard Test Methods for Preformed Expansion Joint Fillers for Concrete Construction (Nonextruding and Resilient Types)	<u>APP MS 535</u>

"D" SERIES Cont'd.**Applicable CS or MS**

■D558-04	Standard Test Methods for Moisture-Density Relations of Soil-Cement Mixtures	<u>CS 29</u>
D559-03	Standard Test Methods for Wetting and Drying Compacted Soil-Cement Mixtures	<u>CS 29</u>
D560-03	Standard Test Methods for Freezing and Thawing Compacted Soil-Cement Mixtures	<u>CS 29</u>
D570-98	Standard Test Method for Water Absorption of Plastics	<u>MS 537</u>
D638-03	Standard Test Method for Tensile Properties of Plastics	<u>CS 64, MS 537, 594</u>
■D653-05	Standard Terminology Relating To Soil, Rock and Contained Fluids	<u>APP CS 25, 61, 62</u>
D698-00a ^{e1}	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³ (600 kN-m/m³))	<u>CS 23, 24, 28</u>
D746-04	Standard Test Method for Brittleness Temperature of Plastics and Plastics and Elastomers by Impact	<u>CS 64, MS 537</u>
D746-04	Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact	<u>CS 64, MS 537</u>
■D751-00 ^{e1}	Standard Test Methods for Coated Fabrics	<u>MS 594</u>
D792-00	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement	<u>CS 64, MS 537, 594</u>
D882-02	Standard Test Method for Tensile Properties of Thin Plastic Sheeting	<u>MS 594</u>
D883-00	Standard Terminology Relating to Plastics	<u>APP CS 45, 95</u>
■D977-05	Standard Specification for Emulsified Asphalt	<u>CS 6</u>
D994-98(2003) (Re-approved)	Standard Specification for Preformed Expansion Joint Filler for Concrete (Bituminous Type)	<u>MS 535</u>
D1004-03	Standard Test Method for Initial Tear Resistance of Plastic Film	<u>MS 594</u>
D1186-01	Standard Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base	<u>MS 583</u>
D1204-02	Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature	<u>MS 594</u>
D1241-00	Standard Specification for Materials for Soil-Aggregate, Subbase, Base and Surface Courses	<u>APP MS 521, 522</u>
D1242-95a	Standard Test Method for Resistance of Plastic material to Abrasion WITHDRAWN 2004 --NO REPLACEMENT	<u>CS 64</u>
D1452-80(2000) (Re-approved)	Standard Practice for Soil Investigation and Sampling by Auger Borings	●●●
D1505-03	Standard Test Method for Density of Plastics by the Density-Gradient Technique	<u>MS 594</u>

<u>"D" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
R D1527-99 (2005) (Re-approved)	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS), Plastic Pipe, Schedules 40 and 80	<u>MS 547</u>
D1556-00	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method	<u>CS 23</u>
D1557-02 ^{e1}	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))	<u>CS 23, 36</u>
D1558-99(2004) ^{e1} (Re-approved)	Standard Test Method for Moisture Content Penetration Resistance Relationships of Fine-Grained Soils	●●●
D1586-99	Standard Method for Penetration Test and Split-Barrel Sampling of Soils	●●●
D1587-00	Standard Practice for Thin-Walled Tube Sampling of Soils for Geotechnical Purposes	●●●
D1593-99	Standard Specification for Nonrigid Vinyl Chloride Plastic Sheeting	●●●
D1603-01	Standard Test Method for Carbon Black In Olefin Plastics	<u>MS 594</u>
D1751-04	Standard Specification for Preformed Expansion Joint Fillers For Concrete Paving and Structural Construction (Nonstruding and Resilient Bituminous Types)	<u>MS 535</u>
D1752-04a	Standard Specification for Preformed Sponge Rubber Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction	<u>MS 535</u>
D1760-01	Standard Specification for Pressure Treatment of Timber Products	<u>MS 585</u>
D1784-03	Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds	<u>APP MS 747</u>
■D1785-05	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120	<u>MS 547</u>
D1790-02	Standard Test Method for Brittleness Temperature of Plastic Sheeting by Impact	<u>MS 594</u>
D2103-03	Standard Specification for Polyethylene Film and Sheeting	●●●
D2104-03	Standard Specification for Polyethylene (PE) Plastic Pipe, Schedule 40	<u>MS 547</u>
R D2122-98(2004) (Re-approved)	Standard Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings	<u>MS 547</u>
D2136-02	Standard Test Method for Coated Fabrics—Low-Temperature Bend Test	<u>MS 594</u>
D2152-95(2003) (Re-approved)	Standard Test Method for Adequacy of Fusion of Extruded Poly (Vinyl Chloride)(PVC) Pipe and Molded Fittings by Acetone Immersion	<u>APP MS 547</u>
D2167-94(2001) (Re-approved)	Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method	<u>CS 23</u>

"D" SERIES Cont'd.**Applicable CS or MS**

■D2216-05	Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	<u>CS 23, 36</u>
■D2235-04	Standard Specification for Solvent Cement for Acrylonitrile-Butadiene- Styrene (ABS) Plastic Pipe and Fittings	<u>CS 45</u>
D2239-03	Standard Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter	<u>MS 547</u>
■D2240-05	Standard Test Method for Rubber Property-Durometer Hardness	<u>MS 537</u>
■D2241-05	Standard Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series)	<u>MS 547</u>
R D2282-99(2005) (Re-approved)	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe	<u>MS 547</u>
■D2290-04	Standard Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe by Split Disk Method	<u>APP MS 547</u>
■D2321-05	Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications	<u>APP MS 547</u>
■D2397-05	Standard Specification for Cationic Emulsified Asphalt	○○○
D2412-02	Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading	<u>APP MS 547</u>
D2415-98(2003) (Re-approved)	Standard Test Method for Ash in Coal Tar and Pitch	<u>MS 583</u>
R D2444-99(2005) (Re-approved)	Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)	<u>APP MS 547</u>
D2447-03	Standard Specification for Polyethylene (PE) Plastic Pipe, Schedules 40 and 80 Based on Outside Diameter	<u>MS 547</u>
D2464-99 ^{e1}	Standard Specification for Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings Schedule 80	<u>APP MS 547</u>
■D2466-05	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings Schedule 40	<u>MS 547</u>
■D2467-05	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic, Pipe Fittings Schedule 80	<u>APP MS 547</u>
D2487-00	Standard Classification of Soils for Engineering Purposes (Unified Soil Classification System)	○○○
D2488-00	Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)	○○○
■D2564-04	Standard Specification for Solvent Cements For Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	<u>APP MS 547</u>
D2573-01	Standard Method for Field Vane Shear Test in Cohesive Soil	○○○
D2609-02	Standard Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe	<u>APP MS 547</u>

"D" SERIES Cont'd.**Applicable CS or MS**

D2657-03	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings	<u>MS 547</u>
D2661-02	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	<u>MS 547</u>
■D2665-04a ^{e2}	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	<u>MS 547</u>
D2672-96a (2003) (Re-approved)	Standard Specification for Joints For IPS PVC Pipe Using Solvent Cement	<u>MS 547</u>
D2680-01	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Composite Sewer Piping	<u>MS 547</u>
■D2683-04	Standard Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing	<u>APP MS 547</u>
D2729-03	Standard Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	<u>APP MS 547</u>
D2737-03	Standard Specification for Polyethylene (PE) Plastic Tubing	<u>APP MS 547</u>
■D2751-05	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings	<u>MS 547</u>
D2774-04	Standard Practice for Underground Installation of Thermoplastic Pressure Piping	<u>APP CS 45</u>
D2852-95(2002) (Re-approved)	Standard Specification for Styrene-Rubber (SR) Plastic Drain Pipe and Fittings	●●●
D2855-96(2002) (Re-approved)	Standard Practice For Making Solvent-Cemented Joints With Poly (Vinyl Chloride) (PVC) Pipe and Fittings	<u>C 45</u>
■D2922-05	Standard Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)	<u>CS 23</u>
■D2937-04	Standard Test Method for Density of Soil in Place by the Drive-Cylinder Method	<u>CS 23</u>
■D2949-01a ^{e1}	Standard Specification for 3.25-in. Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	<u>APP MS 547</u>
D3017-04 D3017-05	Standard Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth)	<u>CS 23, 36</u>
■D3034-04a	Standard Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	<u>MS 547</u>
D3035-03a	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter	<u>MS 547</u>
D3122-95(2002) (Re-approved)	Standard Specification for Solvent Cements for Styrene-Rubber (SR) Plastic Pipe and Fittings	<u>APP MS 547</u>
■D3138-04	Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly Vinyl Chloride) (PVC) Non-Pressure Piping Components	<u>APP MS 547</u>

<u>"D" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
R D3139-98 (2005) (Re-approved)	Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals	<u>APP MS 547</u>
■ D3212-96a (2003) ^{e1} (Re-approved)	Standard Specification for Joints for Drain and Sewer Plastic, Pipes Using Elastomeric Seals	<u>APP MS 547</u>
D3261-03	Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	<u>APP MS 547</u>
■ D3350-05	Standard Specification for Polyethylene Plastics Pipe and Fittings Materials	<u>MS 547</u>
D3441-98	Standard Test Method for Mechanical Cone Penetration Tests of Soil	○○○
D3517-04	Standard Specification for "Fiberglass" (Glass-Fiber-Reinforced-Thermosetting-Resin)Pressure Pipe	○○○
■ D3740-04a	Standard Practice for Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	○○○
D3754-04	Standard Specification for "Fiberglass"(Glass-Fiber-Reinforced-Thermosetting-resin) Sewer and Industrial Pressure Pipe	○○○
D3776-96(2002) (Re-approved)	Standard Test Methods for Mass Per Unit Area (Weight) of Fabric	<u>MS APP 595</u>
D3786-01	Standard Test Method for Hydraulic Bursting Strength of Textile Fabrics – Diaphragm Bursting Strength Tester Method	<u>APP MS 592</u>
D3963/3963M-01	Standard Specification for Fabrication and Jobsite Handling of Epoxy-Coated Steel Reinforcing Bars	<u>APP CS 34</u>
D4083-89(2001) ^{e1}	Standard Practice for Description of Frozen Soils (Visual-Manual Procedure)	○○○
D4146-96(2003) (Re-approved)	Standard Test for Formability of Zinc Rich Primer/Chromate Complex Coatings on Steel	<u>CS 51</u>
■ RD4161-01 (2005) (Re-approved)	Standard Specification for Fiberglass (Glass-Fiber-Reinforced-Thermosetting-Resin) Pipe Joints Using Flexible Elastomeric Seals	○○○
D4220-95(2000) (Re-approved)	Standard Practice for Preserving and Transporting Soil Samples	○○○
D4318-00	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	<u>APP CS 23</u>
■ D4355-05	Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc Type Apparatus	<u>MS 592</u>
D4437-99	Standard Practice for Determining the Integrity of Field Seams Used in Joining Flexible Polymeric Sheet Geomembranes	<u>CS 97 MS 594</u>
R D4491-99a (2004) (Re-approved)	Standard Test methods for Water Permeability of Geotextiles by Permittivity	<u>MS 592</u>

<u>"D" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
D4549-03	Standard Specification for Polystyrene and Rubber-Modified Polystyrene Molding and Extrusion Materials (PS)	○○○
R D4581-86(2005) (Re-approved)	Standard Guide for Measurement of Morphologic Characteristics Studies of Water Bodies	○○○
D4632-91(2003) (Re-approved)	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles	<u>MS 592</u>
D4643-00	Standard Test Method for Determination of Water (Moisture)Content of Soil by the Microwave Oven Method	<u>CS 23, 36</u>
D4647-93(1998) ^{e1} (Re-approved)	Standard Test Method for Identification and Classification of Dispersive Clay Soils by the Pinhole Test	○○○
▶D4718-87(2001)	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	<u>CS 23</u>
■D4751-04	Standard Test Method for Determining Apparent Opening Size of a Geotextile	<u>MS 592</u>
▶D4791-05	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	<u>MS 524</u>
D4833-00e1	Standard Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products	<u>MS 592, 594</u>
D4873-02	Standard Guide for Identification, Storage, and Handling of Geosynthetic Rolls and Samples	<u>CS 95, MS 592</u>
D4884-96(2003) (Re-approved)	Standard Test Method for Seam Strength of Sewn or Thermally Bonded Seams of Geotextiles	<u>CS 95</u>
D4914-99	Standard Test Methods for Density of Soil and Rock in Place by the Sand Replacement Method in a Test Pit	<u>APP S 23</u>
■D4944-04	Standard Test Method for Field Determination of Water (Moisture)Content of Soil by the Calcium Carbide Gas Pressure Tester (<i>Speedy Moisture Meter</i>)	<u>CS 23, 36</u>
D4959-00	Standard Test Method for Determination of Water (Moisture)Content of Soil by Direct Heating	<u>CS 23, 36</u>
D4992-94(2001) (Re-approved)	Standard Practice for Evaluation of Rock to be used for Erosion Control	<u>MS 523</u>
D5030-04	Standard Test Method for Density of Soil and Rock in Place by the Water Replacement Method in a Test Pit (REPLACED D5030-89(1994)^{e1} that was withdrawn in 2003)	<u>APP CS 23, 25</u>
D5079-02	Standard Practice for Preserving and Transporting Rock Core Samples	<u>APP MS 523</u>
D5121-90(2001) (Re-approved)	Standard Practice for Preparation of Rock Slabs for Durability Testing	<u>MS 523</u>
D5240-04	Standard Test Method for Testing Rock Slabs to Evaluate Soundness of Riprap by Use of Sodium Sulfate or Magnesium Sulfate	<u>MS 523</u>
D5249-95(2000) (Re-approved)	Std Spec for Backer Material for Use with Cold and Hot-Applied Joint Sealants in Portland Cement and Asphalt Joints	<u>APP CS 31, 32 & APP MS 536</u>

<u>"D" SERIES Cont'd.</u>		<u>Applicable CS or MS</u>
R D5299-99 (2005) (Re-approved)	Standard Guide for Decommissioning of Ground Water Wells Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environmental Activities	○○○
D5519-94(2001) (Re-approved)	Standard Test Method for Particle Size Analysis of Natural and Man-Made Riprap materials	<u>CS, 62, MS 523</u>
D5596-03	Standard Test Method for Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics	<u>MS 594</u>
D5641-94(2001) ^{ε1} (Re-approved)	Standard Practice for Geomembrane Seam Evaluation by Vacuum Chamber	<u>CS 97</u>
▶D5820-95(2001) ^{ε1} (Re-approved)	Standard Practice for Pressurized Air Channel Evaluation of Dual Seamed Geomembranes	<u>CS 97</u>
D5884-04a	Standard Test Method for Determining Tearing Strength of Internally Reinforced Geomembranes	<u>MS 594</u>
D5887-04	Standard Test Method for Measurement of Index Flux Through Saturated Geosynthetic Clay Liner Specimens Using a Flexible Wall Permeameter	<u>MS 595</u>
D5890-02	Standard test method for Swell Index of Clay Mineral of Geosynthetic Clay Liners	<u>MS 595</u>
D5891-02	Standard Test Method for Fluid Loss of Clay Component of Geosynthetic Clay Liners	<u>MS 595</u>
R D5993-99(2004) (Re-approved)	Standard Test Method for Measuring Mass Per Unit of Geosynthetic Clay Liners	<u>MS 595</u>
D6092-97(2003) (Re-approved)	Standard Practice for Specifying Standard Sizes of Stone For Erosion Control	<u>APP CS 61, 62</u>
D6214-98(2003) (Re-approved)	Standard Test Method for Determining the Integrity of Field Seams Used in Joining Geomembranes by Chemical Fusion Methods	<u>MS 594</u>
D6392-99	Standard Test Method for Determining the Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods	<u>CS 97, MS 594</u>
D6690-01	Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements	<u>MS 536</u>

"E" SERIES

Applicable CS or MS

E11-04	Standard Specification for Wire-Cloth Sieves for Testing Purposes	<u>APP MS 521, 522</u>
■E96/E96M-05	Standard Test Methods for Water Vapor Transmission of Materials	○○○
E1547-99(2003) (Re-approved)	Standard Terminology Relating to Industrial and Specialty Chemicals	○○○

"F" SERIES**Applicable CS or MS**

■ F405-05	Standard Specification for Corrugated Polyethylene (PE) Pipe and Fittings	<u>MS 548</u>
F412-01a ^{e1}	Standard Terminology Relating to Plastic Piping Systems	<u>APP CS 45</u>
F449-02 ^{e1}	Standard Practice for Subsurface Installation of Corrugated Polyethylene Pipe for Agricultural Drainage or Water Table Control	<u>APP FOTG STD 606</u>
F477-02 ^{e1}	Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe	<u>MS 547</u>
F480-02	Standard Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80	<u>FOTG STD 642</u>
F593-02 ^{e2}	Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs	<u>APP MS 581</u>
F594-02	Standard Specifications Stainless Steel Nuts	<u>APP MS 581</u>
F626-96a (2003) (Re-approved)	Standard Specification for Fence Fittings	<u>CS 91</u>
F628-01	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core	<u>APP MS 547</u>
F656-02	Standard Specifications for Primers for use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings	<u>APP MS 547</u>
F667-97	Standard Specifications for Large Diameter Corrugated Polyethylene Pipe and Fittings	<u>MS 548</u>
F668-04	Standard Specification for Polyvinyl Chloride (PVC) and Other Organic Polymer-Coated Steel Chain-Link Fence Fabric	<u>CS 91</u>
F679-03	Standard Specification for Poly(Vinyl Chloride) (PVC) Large- Diameter Plastic Gravity Sewer Pipe and Fittings	<u>MS 547</u>
F690-86(2003) ^{e2} (Re-approved)	Standard Practice For Underground Installation of Thermoplastic Pressure Piping Irrigation Systems	<u>APP CS 45 & APP FOTG IRRIG. PRACTICES</u>
■ F714-05	Standard Specification for Polyethylene (PE) Plastic Pipe (SDR-PR)Based on Outside Diameter	<u>MS 547</u>
F758-95(2000) (Re-approved)	Standard Specification for Smooth-Wall Poly (Vinyl Chloride) (PVC) Plastic Underdrain Systems for Highway, Airport, and Similar Drainage	<u>MS 547</u>
R F771-99(2005) (Re-approved)	Standard Specification for Polyethylene (PE) Thermoplastic High-Pressure Irrigation Pipeline Systems	<u>FOTG 430 DD</u>
F789-95a	Type PS 46 Poly (Vinyl Chloride) (PVC) Plastic Gravity Flow Sewer Pipe and Fittings WITHDRAWN 2004, NO REPLACEMENT	<u>MS 547</u>
F794-03	Standard Specification for Poly (Vinyl Chloride) (PVC) Profile Gravity Sewer Pipe and Fittings Based On Controlled Inside Diameter	<u>MS 547</u>

"F" SERIES Cont'd.

Applicable CS or MS

F810-01	Standard Specification for Smooth-wall Polyethylene (PE) Pipe for use in Drainage and Waste Disposal Absorption Fields	<u>APP FOTG DRAINAGE PRACTICES</u>
■F894-05	Standard Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe	<u>MS 548</u>
■F900-05	Standard Specification for Industrial and Commercial Swing Gates	<u>CS 91</u>
F949-03	Standard Specification for Poly (Vinyl Chloride) (PVC) Corrugated Sewer Pipe With a Smooth Interior and Fittings	<u>MS 547</u>
■F1043-04	Standard Specification for Strength and Protective Coatings on Metal Industrial Chain Link Fence Framework	<u>CS 91</u>
F1083-04	Standard Specification for Pipe, Steel, Hot-dipped Zinc-Coated (Galvanized) Welded, for Fence Structures	<u>CS 91</u>

"G" SERIES

Applicable CS or MS

■G152-05	Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials (Replaced G 23 in 2000)	<u>CS 64</u>
■G153-04	Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials (Replaced G 23 in 2000)	<u>APP CS 64</u>

BOOKLETS
SI10-02

IEEE/ASTM SI 10

American National Standard for Use of the International System of Units (SI): The Modern Metric System

This replaces - IEEE/ASTM SI 10-1997 Standard Practice for use of the International Metric System