

## **SECTION 22 14 00 - FACILITY STORM DRAINAGE**

### **PART 1 GENERAL**

#### **1.01 DESCRIPTION**

- A. Disconnect the storm drainage systems.

#### **1.02 RELATED WORK**

- A. Section 22 05 11 – Common Work Results for Plumbing: Pipe hangers and supports; materials identification.
- B. Section 23 07 11 – HVAC, Plumbing and Boiler Plant Insulation: Pipe Insulation.

#### **1.03 SUBMITTALS**

- A. None.

#### **1.04 APPLICABLE PUBLICATIONS**

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American National Standards Institute (ANSI).
- C. American Society of Mechanical Engineers (ASME): (Copyrighted Society)
  - 1. A112.21.2m-83 - Roof Drains
  - 2. A13.1-07 – Scheme for Identification of Piping Systems
  - 3. B16.3-06 – Malleable Iron Threaded Fittings, Classes 150 and 300. B16.9-07 – Factory-Made Wrought Steel Butt welding Fittings
  - 4. B16.11-05 – Forged Steel Fittings, Socket-Welding and Threaded B16.12-98 (R 2006) Cast Iron Threaded Drainage Fittings
  - 5. B16.15-06) – Cast Bronze Threaded Fittings, Class 125 and 250
  - 6. B16.18-01 (R 2005) – Cast Copper Alloy Solder-Joint Pressure Fittings
  - 7. B16.22-01 (R 2005) – Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
- D. American Society for Testing and Materials (ASTM):
  - 1. A47-99 (R 2004) – Standard Specification for Steel Sheet, Aluminum Coated, by the Hot-Dip Process
  - 2. A53-07 – Standard Specification for Pipe, Steel, Black And Hot-Dipped, Zinc-coated Welded and Seamless
  - 3. A74-06 – Standard Specification for Cast Iron Soil Pipe and Fittings

4. A183-03) – Standard Specification for Carbon Steel Track Bolts and Nuts
  5. A312-03 – Standard Specification for Seamless and Welded Austenitic Stainless Steel Pipe
  6. A536-84(R 2004) – Standard Specification for Ductile Iron Castings
  7. A733-03 – Standard Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples
  8. B32-04 – Standard Specification for Solder Metal
  9. B61-08 – Standard Specification for Steam or Bronze Castings
  10. B62-02 – Standard Specification for Composition Bronze or Ounce Metal Castings
  11. B75-02 – Standard Specification for Seamless Copper Tube
  12. B88-03 – Standard Specification for Seamless Copper Water Tube
  13. B306-02 – Standard Specification for Copper Drainage Tube (DWV)
  14. B584-08 – Standard Specification for Copper Alloy Sand Castings for General Applications
  15. B687-99 – Standard Specification for Brass, Copper, and Chromium-Plated Pipe Nipples
  16. C564-06a – Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings
  17. D2000-08 – Standard Classification System for Rubber Products in Automotive Applications
  18. D4101-07 – Standard Specification for Propylene Plastic Injection and Extrusion Materials
  19. D2447-03 – Standard Specification for Polyethylene (PE) Plastic Pipe, Schedule 40 and 80, Based on Outside Diameter
  20. D2564-04e1 – Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings
  21. D2665-07 – Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings
- E. American Welding Society (AWS):
1. A5.8-04 – Specification for Filler Metals for Brazing and Braze Welding
- F. International Code Council (ICC):
1. IPC-06 – International Plumbing Code

- G. Cast Iron Soil Pipe Institute (CISPI):
  - 1. 301-05 – Hubless Cast Iron Soil and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications
  - 2. 310-04 – Couplings for Use in Connection with Hubless Cast Iron Soil and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications
- H. Manufacturers Standardization Society of the Valve and Fittings Industry, Inc. (MSS):
  - 1. SP-72-99 – Standard for Ball Valves with Flanged or Butt Welding For General Purpose
  - 2. SP-110-96 – Ball Valve Threaded, Socket Welding, Solder Joint, Grooved and Flared Ends

**PART 2 PRODUCTS**

2.01 STORM WATER DRAIN PIPING

- A. Match existing.

**PART 3 EXECUTION**

3.01 TESTS

- A. None.

**END OF SECTION**