

## **SECTION 33 05 03 COPPER PIPE**

### **PART 1 GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Copper pipe, couplings, fittings, and joint materials for buried water utility applications.
- B. Related work includes but is not limited to,
  - 1. Excavation, Section 31 23 16.
  - 2. Trench backfill, Section 33 05 20 .

#### **1.2 REFERENCES**

- A. ASTM B 88: Standard Specification for Seamless Copper Water Tube.
- B. AWWA C800: AWWA Standard for Underground Service Line Valves and Fittings.

#### **1.3 QUALITY ASSURANCE**

- A. Reject any pipe that does not conform to Contract Documents or is cracked, chipped, crushed, dented, kinked, or otherwise unacceptable.

### **PART 2 PRODUCTS**

#### **2.1 PIPE**

- A. Type K copper, ASTM B 88 Table 3, "Dimension, Weight and Tolerances," and capable of connecting to AWWA standard water service taps and fittings.
- B. Outside diameter greater than 2 inches requires ENGINEER acceptance.
- C. Smooth surface free from bumps, flexible enough to be coiled.

#### **2.2 CONNECTIONS**

- A. Flared or compression.
- B. Dielectric insulating unions for dissimilar connections.
- C. Fittings, AWWA C800.

### **PART 3 EXECUTION**

#### **3.1 INSTALLATION**

- A. Install pipe per manufacturer's instructions.
- B. Water distribution and transmission, Section 33 12 19.

END OF SECTION