SECTION 12.93.00  
SITE FURNISHINGS

PART 1 GENERAL

1.01 SECTION INCLUDES
A. Benches.
B. Bollards.
C. Waste receptacles.

1.02 RELATED REQUIREMENTS
A. Section 03.30.00 - Cast-in-Place Concrete: Bollard infill and underground encasement.
B. Section 05.50.00 - Metal Fabrications: Anchors to attach site furnishings to mounting surfaces.
C. Section 05.50.00 - Metal Fabrications: Utilitarian concrete filled steel pipe bollards.
D. Section 32.31.13 - Chain Link Fences and Gates: Chain link fencing and gates.
E. Section 32.31.19 - Decorative Metal Fences and Gates: Powder-coated aluminum fencing and gates.

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS
A. See Section 01.30.00 - Administrative Requirements, for submittal procedures.
B. Product Data: Provide manufacturer’s specifications and descriptive literature, installation instructions, and maintenance information.
C. Shop Drawings: Indicate plans for each unit or groups of units, elevations with model number, overall dimensions; construction, and anchorage details.
D. Samples: Submit two sets of manufacturer’s available colors and finishes for precast furnishings.

1.05 WARRANTY
A. See Section 01.78.00 - Closeout Submittals, for additional warranty requirements.
B. Provide manufacturer’s warranty against defects in materials or workmanship for ductile iron castings for a period of 10 years from Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS
A. Metal Furnishings:
B. Steel Pipe Bollards:

C. Cast Iron Bollards:

2.02 METAL FURNISHINGS
A. Metal Furnishings, General:
   1. Cast iron components: Ductile iron castings complying with ASTM A536; cleaned, treated, and powder-coated.
      a. Color: As selected by Architect from manufacturer’s standard range.
   2. Recycled plastic lumber (RPL) components:
      a. Color: As selected by Architect from manufacturer’s standard range.

B. Benches: Metal frame and seat section with back.
   1. Frame: Steel.
   2. Seat: Steel slat.
   3. Intermediate support: Locate at midpoint.

C. Waste Receptacles: Steel frame with steel slats and removable lid.
   1. Capacity: 45 gallons.
   2. Wall liners: Galvanized steel panels welded inside waste receptacle frame as integral part of waste receptacle unit.
   3. Inserts: Removable plastic containers for waste material.
   4. Lids:
      a. Material: Steel.
      b. Type: Rain shield.
   5. Mounting: Surface.

2.03 BOLLARDS
A. Steel Pipe Bollards: Hollow steel pipe with plain shaft.
   1. Materials:

B. Cast Iron Bollards:
   1. Shape: Round.
   2. Diameter: ____ inches.
   3. Materials:
      c. Factory Finish: Primed.

PART 3 EXECUTION

3.01 EXAMINATION
A. Verify that mounting surfaces, preinstalled anchor bolts, or other mounting devices are properly installed; and ready to receive site furnishing items.
B. See Section 05.50.00 for anchors to attach site furnishings to mounting surfaces.
C. Do not begin installation until unacceptable conditions are corrected.
3.02 INSTALLATION

A. Install site furnishings in accordance with approved shop drawings, and manufacturer’s installation instructions.

B. See Section 03.30.00 for bollard infill and underground encasement.

C. Provide level mounting surfaces for site furnishing items.

END OF SECTION