

SECTION 02800

MISCELLANEOUS SITE IMPROVEMENTS

PART 1 DESIGN DIRECTIVES

1.1 SUMMARY

- A. It is the intent of Dartmouth College that the consultant incorporates the requirements contained herein with the consultant's specifications to produce a document that is a cohesive, coordinated, non-conflicting project specific specification. Deviations from these standards shall be discussed with the appropriate DC-FO&M representative.

1.2 SUBMITTALS

- A. Submit manufacturer's product data of the following items for approval prior to purchase. Product data to include manufacturer's specifications, dimensional drawings, and installation instructions.
 - 1. Bicycle Racks.
 - 2. Trash Receptacles
- B. Submit fully dimensioned shop drawings of the following items prior to fabrication. Include plans, elevations, and detail sections. Indicate materials, methods, finishes, types of joinery, fasteners, anchorages, and accessory items. Provide setting diagrams and templates for anchorages and sleeves installed by others.
 - 1. Bicycle rack installation
 - 2. Blue Light Security Phone Bases
 - 3. Painted Steel Bollards
 - 4. Light Pole Bases.
- C. Samples: Provide samples of the following:
 - 1. Steel Bollard: 12" Top section painted
 - 2. Stone Curbing

1.3 DELIVERY, STORAGE, AND HANDLING

- A. All materials shall be stored in a dry location off the ground and in such a manner as to prevent damage or intrusion of foreign matter.
- B. All materials that have become damaged during delivery or storage or made otherwise unfit for use shall be replaced at the expense of the Contractor.

1.4 PROJECT CONDITIONS

- A. Coordinate with the work of all other Sections and separate contracts on the site, including especially the installation of concrete paving in areas adjacent to building.
- B. Take all necessary measurements at the site to assure proper fabrication and installation of the work. Be responsible for checking in the field all dimensions, whether or not shown on the drawings, upon which the accurate fitting together and building-in of this work may depend.

- C. Submit manufacturer's warranties for all products and materials, specifically addressed to Dartmouth College.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Bicycle Racks:
 - 1. Bike Rib Series II or III (black powder coat finish) by Function First Bike Security, Corvallis, Oregon.
- B. Trash Receptacles
 - 1. Victor Stanley Model S-42 (black) with S-2 spun steel dome.
- C. Painted Steel Bollards
 - 1. Steel Tubing: black, 5" dia. x 3/8" thick, hot formed.
- D. Light Pole Bases.
 - 1. Cast-In-Place Concrete Footing
- E. Blue Light Security Phone Bases
- F. Stone Curbing
 - 1. Granite shall be hard, durable, reasonably uniform in appearance, and free from weakened seams; solid quartz or feldspar veins will not be cause for rejection.
 - 2. Surface of each stone shall be finished in accordance with the design drawings and specifications.

PART 3 EXECUTION

3.1 PREPARATION

- A. Take field measurements prior to preparation of shop drawings and fabrication, where possible. Do not delay job progress, allow for trimming and fitting where taking field measurements before fabrication might delay work.
- B. Coordinate and furnish anchorages, setting drawings, diagrams, templates, instructions and directions for installation of anchorages such as concrete inserts, sleeves, anchor bolts and miscellaneous items having integral anchors, which are to be embedded in concrete masonry construction. Coordinate delivery of such items to project site.

3.2 INSTALLATION

- A. General:
 - 1. Comply with manufacturer's recommended installation procedures unless more stringent requirements are indicated elsewhere.

2. Install items specified in this Section located on the Drawings, or if not located, where directed by Owner's Representative.
 3. Stake out locations for bicycle racks, bollards, benches, and trash receptacles in field for approval by Owner's Representative prior to beginning work.
- B. Bicycle racks
1. Surface mount method in accordance with manufacturer's recommendations.
- C. Painted Steel Bollards
1. Set steel bollard in concrete and align, level and plumb as necessary. Provide temporary bracing as needed until concrete has set.
- D. Light Pole Bases
1. Install light pole bases to location and elevation as shown on the drawings, plumb and level.
- E. Blue Light Bases
1. Install blue light phone bases to location and elevation as shown on the drawings, plumb and level.
 2. All blue lights locations require steel or stone bollards at the vehicular accessed side of the light.
 3. All blue light locations must meet ADA accessibility requirements.
- F. Stone Curbing
1. Install stone curbing as per Drawing.
- G. Trash Receptacle
1. Install as indicated on Drawing.

3.3 PROTECTION AND CLEANING

- A. After installation, all surfaces of wood, stone, concrete and metal shall be cleaned of mortar, paint, or other contaminants.
- B. After cleaning, all work shall be protected against damage until final acceptance by the Owner.
- C. Damaged surfaces shall be repaired or replaced as directed by the Landscape Architect and at no cost to the Owner.
- D. Any surplus materials and debris remaining after construction work is completed shall be removed from the site.

END OF SECTION 02800