SECTION 129300 - SITE FURNISHINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Bicycle racks
2. Trash receptacles
3. Bollards

B. Related Sections include the following:

1. Division 31 Section "Earth Moving" for excavation for installation of concrete footings.
2. Division 3 Section "Cast-in-Place Concrete" for installation of pipe sleeves cast and installation of anchor bolts cast in concrete footings.

C. Products furnished, but not installed under this Section, include pipe sleeves, anchor bolts, to be cast in concrete footings.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples for Initial Selection: For units with factory-applied color finishes.

C. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below.

Size: Not less than 6-inch long linear components and 4-inch square sheet components.

D. Product Schedule: For site furnishings. Use same designations indicated on Drawings.

E. Maintenance Data: For site furnishings to include in maintenance manuals.

1.4 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of site furnishing(s) through one source from a single manufacturer.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Anchors, Fasteners, Fittings, and Hardware: Manufacturer's standard, corrosion-resistant-coated or non-corrodible materials; tamperproof, vandal and theft resistant, concealed, recessed, and capped or plugged.

B. Non-shrink, Non-metallic Grout: Premixed, factory-packaged, non-staining, non-corrosive, non--gaseous grout complying with ASTM C 1107; recommended in writing by manufacturer, for exterior applications.

C. Erosion-Resistant Anchoring Cement: Factory-packaged, non-shrink, non-staining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create pourable anchoring, patching, and grouting compound; resistant to erosion from water exposure without needing protection by a sealer or waterproof coating; recommended in writing by manufacturer, for exterior applications.

2.2 BICYCLE RACKS

A. Basis-of-Design Product: Subject to compliance with requirements, provide Downtown Rack – 15 total as manufactured by Dero Bike Rack Co., 2657 32nd Ave. S, Minneapolis, MN 55406; (888) 337-6729, Fax (612) 331-2731 or a comparable product by one of the following:

1. American Bicycle Security Company
2. Canterbury International
3. Creative Pipe, Inc.
4. Huntco Supply, LLC.
5. Keystone Ridge Designs, Inc.
6. Landscape Forms
7. Landscape Structures Inc.
8. Maglin Furniture Systems Ltd.
9. Miracle Recreation Equipment Co.; a division of PlayPower, Inc.
10. SportsPlay Equipment, Inc.

B. Color: Black.

2.3 TRASH RECEPTACLES

A. Basis-of-Design Product: Subject to compliance with requirements, provide Steelsites RB Series trash receptacles – 3 total as manufactured by Victor Stanley, Inc. P.O. Drawer 330, Dunkirk, MD 20754. (800) 368-2573, (301) 855-8300, Fax: (410) 257-7579; or a comparable product by one of the following:

1. Canterbury International
2. Columbia Cascade Company
3. Creative Pipe, Inc.
4. DuMor Inc.
5. FairWeather Site Furnishings
6. GameTime; a PlayCore, Inc. Company
7. Henderson Recreation Equipment Ltd.
8. Huntco Supply, LLC.
9. Keystone Ridge Designs, Inc.
10. Landscape Forms
11. Landscape Structures Inc.
12. Miracle Recreation Equipment Co.; a Division of PlayPower, Inc.
13. Playworld Systems, Inc.
14. Sitecraft
15. Victor Stanley, Inc.

B. Color: Black.

2.4 BOLLARDS

A. Basis-of-Design Product: Subject to compliance with requirements, provide Model #400-36 – 4 total as manufactured by DuMor or a comparable product by one of the following:

A. Creative Pipe, Inc.

B. Huntco Supply, LLC.
C. Landscape Brands.
D. Landscape Forms, Inc.
E. Wausau Tile, Inc.; Metal-Form Division.

B. Color: Black.

2.5 FABRICATION

A. Metal Components: Form to required shapes and sizes with true, consistent curves, lines, and angles. Separate metals from dissimilar materials to prevent electrolytic action.

B. Welded Connections: Weld connections continuously. Weld solid members with full-length, full-penetration welds and hollow members with full-circumference welds. At exposed connections, finish surfaces smooth and blended so no roughness or unevenness shows after finishing and welded surface matches contours of adjoining surfaces.

C. Pipes and Tubes: Form simple and compound curves by bending members in jigs to produce uniform curvature for each repetitive configuration required; maintain cylindrical cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of handrail and railing components.

D. Exposed Surfaces: Polished, sanded, or otherwise finished; all surfaces smooth, free of burrs, barbs, splinters, and sharpness; all edges and ends rolled, rounded, or capped.

E. Factory Assembly: Assemble components in the factory to greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

2.6 FINISHES, GENERAL

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 STEEL AND GALVANIZED STEEL FINISHES

A. Baked-Enamel, Powder-Coat Finish: Manufacturer's standard, baked, polyester, powder-coat finish complying with finish manufacturer's written instructions for surface preparation, including pretreatment, application, baking, and minimum dry film thickness.

2.8 STAINLESS-STEEL FINISHES

A. Remove tool and die marks and stretch lines or blend into finish.

B. Grind and polish surfaces to produce uniform, directionally textured, polished finish indicated, free of cross scratches. Run grain with long dimension of each piece.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance.

1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

A. Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Complete field assembly of site furnishings where required.

B. Unless otherwise indicated, install site furnishings after landscaping and paving have been completed.

C. Install site furnishings level, plumb, true, and securely anchored or positioned at locations indicated on Drawings.

D. Post Setting: Set cast-in support posts in concrete footing with smooth top, shaped to shed water. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at correct angle and are aligned and at correct height and spacing. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.

E. Posts Set into Voids in Concrete: Form or core-drill holes for installing posts in concrete to depth recommended in writing by manufacturer of site furnishings and 3/4 inch larger than OD of post. Clean holes of loose material, insert posts, and fill annular space between post and concrete with nonshrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.

F. Pipe Sleeves: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts have been inserted into sleeves, fill annular space between post and sleeve with nonshrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.

3.3 CLEANING

A. After completing site furnishing installation, inspect components. Remove spots, dirt, and debris. Repair damaged finishes to match original finish or replace component.

END OF SECTION129300