

SECTION 02870 - SITE FURNISHINGS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Benches
2. Bicycle Racks
3. Trash Receptacles
4. Recycling Trash Receptacles
5. Picnic Tables

1.2 SUBMITTALS

- A. Shop Drawings: Provide fabricator's shop drawings for approval prior to any fabrication.
- B. Product Data: For each type of product indicated.
- C. Samples: For each exposed finish.
- D. Material Certificates: For site furnishings, signed by manufacturers.
- E. Maintenance Data.

PART 2 - PRODUCTS

2.1 BENCHES

- A. Manufacturers: Subject to compliance with requirements, provide products by the following or approved equal: Kenneth Lynch & Sons, P.O. Box 488, Wilton, Connecticut 06897. Phone: (203) 762-8363
- B. Style: 1964 World's Fair bench, 8' length, Model No. 6733
- C. Frame: Cast ductile iron, powdercoated RAL 8011 (Nut Brown). Contractor shall submit color sample to Project Officer for approval, prior to powdercoating.
- D. Slats: Shall be acceptable hardwood species, FSC certified Bethabara (Ipe) of the sizes and dimensions shown on the drawings.
1. Slats shall be milled perfectly smooth to the finished length. Each slat shall be of one continuous piece; no joints will be allowed. Lumber shall be parallel cut without heart center or sap-wood and shall be straight grained, maximum slope of grain to be 1:10. All milled surfaces shall be sanded smooth on all four sides and both ends after being worked to the re-

quired dimensions. All edges shall be eased to a radius of one-eighth inch (1/8"). All wood shall be thoroughly seasoned and shall contain not more than fifteen percent (15%) to twenty percent (20%) of moisture by weight.

2. Lumber shall be in sound condition, free from worm holes, knots, longitudinal heart cracks, firm or soft sap wood, fungus, and deformation (twisting or cupping) which cannot be removed during installation using normal installation methods and tools. Natural drying checks, to a maximum of one-eighth inch (1/8") in width, will be acceptable. Dimensional tolerance (measured at 20% moisture content) shall be plus or minus .08" in both width and thickness.
 3. The County reserves the right to independently identify species of samples of wood taken from the job site. Random samples must be supplied to PRCR for identification, at the request of the Project Officer. Should the wood provided on the job site not be as previously approved, the Contractor shall replace all the incorrect wood at no extra cost to the County.
- E. Hardware: Bolts, nuts, and washers used to secure slats to standards shall be stainless steel. Anchor bolts used to secure the benches to pavements may be either stainless steel or hot-dipped galvanized steel. Type and dimensions of all bolts, nuts, and washers shall be as indicated on the plans. Threads of all bolts shall have the ends upset after installation of nuts so as to render the connection vandal resistant

2.2 BICYCLE RACK

- A. Manufacturers: Subject to compliance with requirements, provide products by the following or approved equal: GameTime, Alabama. Available from Cunningham Associates, Inc. (800) 438-2780.
- B. Quantity: Two (2) – Location and orientation to be determined in the field and approved by Project Officer.
- C. Style: Nature Bike Rack #38054.
- D. Bicycle Rack Construction:
 1. Frame: Steel
 2. Installation Method: In-ground mount in concrete footing per Manufacturer's recommendation.
- D. Steel Finish: Powdercoated.
 1. Color: Green. Contractor shall provide color sample to Project Officer for approval, prior to powdercoating.

2.3 TRASH RECEPTACLES

- A. Manufacturers: Subject to compliance with requirements, provide products by the following or approved equal: Victor Stanley, Inc., P.O. Drawer 330, Dunkirk, Maryland 20754. Phone: (800) 368-2573.
- B. Style: Ironsites Model SD-42
- C. Support Frames: Steel; welded.
- D. Trash Receptacles:
 - 1. Receptacle Shape and Form: Round cylinder with dome lid and side door.
 - 2. Inner Container: High density plastic liner designed to be removable and reusable.
 - 3. Capacity: Not less than 36-gallon.
- E. Steel Finish: Powdercoated.
 - 1. Color: RAL 8011 (Nut Brown), to match benches. Contractor shall provide color sample to Project Officer for approval, prior to powdercoating.

2.4 RECYCLING RECEPTACLES

- A. Manufacturers: Subject to compliance with requirements, provide products by the following or approved equal: Victor Stanley, Inc., P.O. Drawer 330, Dunkirk, Maryland 20754. Phone: 800-368-2573.
- B. Style: Ironsites Model SD-42 with recycle lid, custom decal band with “Arlington County name and logo” and side door.
- C. Support Frames: Steel; welded.
- D. Recycling Receptacles:
 - 1. Receptacle Shape and Form: Round cylinder with optional recycling package with lid, plaque, and decals; with opening for depositing recyclables in top.
 - 2. Inner Container: High density plastic liner designed to be removable and reusable.
 - 3. Capacity: Not less than 36-gallon.
- E. Steel Finish: Powdercoated.
 - 1. Color: RAL 8011 (Nut Brown), to match benches. Contractor shall provide color sample to Project Officer for approval, prior to powdercoating.

2.5 PICNIC TABLES

- A. The Picnic Tables shall be Model No. F-565, as manufactured by Victor Stanley, Inc., 301.855.8300 or approved equal. Tables shall consist of:

1. One (1) standard six feet (6'-0")
 2. One (1) 8'-0" table with 6'-0" benches for ADA access
- B. The Picnic Tables shall be high-tensile tubular steel legs and FSC certified Bethabara/Ipe (*Tabebeuia serratifolia* [Vahl] Nicholson) slats (see 2.1.D above).
- C. Steel Finish: Powdercoated.
1. Color: RAL 8011 (Nut Brown), to match benches and trash receptacles. Contractor shall provide color sample to Project Officer for approval, prior to powdercoating.

2.7 FOOTING MATERIAL

- A. Concrete Footings. Shall be Portland Cement, Class A3, air entrained in conformance with VDOT, Section 217. Minimum 28 day compressive strength of 3000 psi.
- B. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout specifically recommended by manufacturer for exterior applications.
- C. Epoxy Sealer. After the grout has hardened, the remaining space shall be filled with an epoxy sealer fillet, such as Sonneborn Epo-Grip and Epo-Gel Epoxy system, as manufactured by Sonneborn, Shakopee, Mn., or "PG-2089" as manufactured by Permagile Corp., Plainview, N.Y., or approved equal.

PART 3 - EXECUTION

3.1 GENERAL

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

3.2 CLEANING AND PROTECTION

- A. After installation, clean soiled surfaces according to manufacturer's written instructions. Protect site furnishings from damage until acceptance by Owner.

PART 4 – MEASUREMENT AND PAYMENT (to be used for calculation of possible change orders).

- 4.1 The quantity of PARK BENCH to be paid for under this item shall be the number of EACH furnished and installed in accordance with the plans, specifications and to the satisfaction of the Project Officer.
- 4.2 The unit price bid per EACH bench shall include the cost of all labor, materials, and incidental expenses necessary to complete the work, including cast iron castings, slats, hardware, concrete footings, in accordance with the plans and specifications, to the satisfaction of the Project Officer.

- 4.3 The quantity of TRASH and/or RECYCLING RECEPTACLE to be paid for under this item shall be the number of EACH furnished and installed in accordance with the plans, specifications and to the satisfaction of the Project Officer.
- 4.4 The unit price bid per EACH Trash/Recycling Receptacle shall include the cost of all labor, materials, and incidental expenses necessary to complete the work, including concrete footings, hardware, in accordance with the plans and specifications, to the satisfaction of the Project Officer.
- 4.5 The quantity of PICNIC TABLES to be paid for under this item shall be the number of EACH furnished and installed in accordance with the plans, specifications and to the satisfaction of the Project Officer.
- 4.6 The unit price bid per EACH Picnic Table of each type shall include the cost of all labor, materials, and incidental expenses necessary to complete the work, including concrete footings, hardware, in accordance with the plans and specifications, to the satisfaction of the Project Officer.
- 4.7 The quantity of BICYCLE RACK to be paid for under this item shall be the number of EACH furnished and installed in accordance with the plans, specifications and to the satisfaction of the Project Officer.
- 4.8 The unit price bid per EACH Bicycle Rack shall include the cost of all labor, materials, and incidental expenses necessary to complete the work, including bent posts, hardware, concrete footings, in accordance with the plans and specifications, to the satisfaction of the Project Officer.

END OF SECTION 02870