

SECTION 02850 SITE IMPROVEMENTS

PART 1 - GENERAL

1.01 GENERAL PROVISIONS

- A. The CONDITIONS OF THE CONTRACT and all Sections of Division 1 are hereby made a part of this Section.

1.02 RELATED SECTIONS

- A. Construction Drawings.  
B. Manufacturer's technical data and installation requirements.

1.02 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, and without limiting the generality thereof furnish and install the following:
1. Site Signage
  2. Wood Fencing- Dumpster Enclosure
  3. Steel Benches (Columbia Cascade, Boulevard Model #2602) Color: TBD
  4. Bicycle Racks (Dero Bike Rack, Model # 2H) Color: TBD
  5. Tree Grates & Frame (Neenah Foundry, Model # R-8809) Finish: Natural
- B. Related Work Specified Elsewhere: Carefully examine all Contract Documents for requirements which affect the work of this Section. Other Specification Sections which directly relate to work of this Section include, but are not limited to following:
1. Granular fill setting base and backfill material: SECTION 02315 - COMMON EXCAVATION EMBANKMENT AND COMPACTION
  2. Excavation and backfill: Section 02315- COMMON EXCAVATION EMBANKMENT AND COMPACTION
  3. Concrete bases and slabs: Section 03300- CAST-IN-PLACE CONCRETE
- C. Alternates: Refer to SECTION 01000 to determine extent, if any, to which work of this Section will be affected by any Alternates, if accepted.

1.03 QUALITY ASSURANCE; SUBMITTALS:

- A. Quality Assurance: Conform to requirements of SECTION 01330 - SUBMITTALS PROCEDURES.

- B. Submittals: Provide as follows:
  - 1. Product Data:
    - a. All manufactured equipment.
    - b. Metal fasteners, anchors, other accessories.
  - 2. Shop Drawings: All items where installation methods are not fully described in product data.

1.04 REFERENCE STANDARDS:

- A. MDOT: Where specified, comply with applicable provision of State of Maine Department of Transportation Standard Specifications for Highways and Bridges, hereinafter referred to as MDOT.
- B. Earthwork: Conform to requirements of SECTION 02200 - EARTHWORK.

PART 2 - PRODUCTS & EXECUTION

2.01 BASIC MATERIALS:

- A. Reinforcement: ASTM A 615, Grade 60, deformed, hot-dipped galvanized.
  - 1. Provide minimum reinforcement ration of 3 percent.
- B. Galvanizing: Hot-dipped galvanized after fabrication, conforming to:
  - 1. ASTM A 386 for assembled products.
  - 2. ASTM A 153 for iron and steel hardware.

2.02 Site Signage

- A. Conform to MDOT Standards for all site signage.

2.03 Wood Fencing at Dumpster Enclosure

- A. Provide solid wood fencing and gates as manufactured by Ron Forest and Sons, Scarborough, ME or approved equal controlled by single source including erection and all fittings, accessories and fastenings to dimensions and details as indicated on the drawings to screen all four sides of the dumpster pad.
- B. Wood to be Northern White Cedar, No. 2 Grade or approved equal.

2.04 Steel Benches.

- A. Steel benches to be Boulevard Model #2602, as manufactured by Columbia Cascade, 800-547-1940, ext. 850. or approved equal.

- B. Finish to be powder coated, color to be determined from standard stocked colors.
- C. Sizes of benches shall vary to match drawings. Lengths shall be 4-foot, 6-foot, and 8-foot as indicated on the drawings and details.
- D. Benches shall be embedded mounted into a concrete base as indicated on the drawings.

2.05 Bicycle Rack

- A. Provide bicycle racks manufactured by DERO BIKE RACK CO., 2657 32nd Avenue S., Minneapolis, MN 55406, ph: 888-337-6729.
- B. Part Number is RR2H-
- C. Finish: Sandblast, epoxy prime 2-4 mils, final TGIC UV resistant coating at 2-4 mils. Color TBD from standard available colors manufactured.
- D. In-ground mount is embedded into concrete base.

2.06 Treegrates

- A. Provide cast iron treegrates as manufactured by Neenah Foundry, Neenah WI. (800)558-5075 Fax: (920) 729-3661
- B. Model is Metropolitan, Order Number is R-8809. Size to be 36" by 72" with an 18" opening. Slots shall be 3/8" to provide ADA access for pedestrians across top of grate.
- C. Frame shall match R-8809 grate and be installed with flange to install directly adjacent to brick sidewalk as per details and drawings.
- D. Finish to be natural.

BASIC INSTALLATION REQUIREMENTS:

- A. Install all materials and equipment in compliance with manufacturer's recommendations, and as indicated on Drawings.
- B. Provide concrete bases and supports as indicated and required.

END OF SECTION 02850