

**SECTION 32 40 21**

**SITE FURNISHINGS**

**PART 1 GENERAL**

- A. **Wood sheds are not allowed for use on school property**

**PART 2 PRODUCTS**

**2.01 MATERIALS**

- A. Benches, seating & tables:
1. Acceptable materials.
    - a) Formed steel.
    - b) Cast iron.
  2. Powder Coated Finish.
  3. Mounting.
    - a) Permanent surface mount to concrete pad.
  4. All benches must have armrests.
- B. Bike racks:
1. Acceptable materials.
    - a) Cast or formed steel.
    - b) Galvanized finish if unpainted.
    - c) Factory applied powder coat if painted.
  2. Height: 36" maximum.
  3. Mounting.
    - a) Permanent surface mount.
    - b) With Grout covers ordered at time of rack order to cover mounting bolts when installed.
- C. Trash receptacles:
1. PVC liner.
    - a) 32 gallon.
  2. Security tethered lid.
  3. Surface mounted.
  4. Acceptable materials.
    - a) Formed steel.
    - b) Cast steel.
    - c) Powder Coated Finish.
  5. Mounting.
    - a) Permanent surface mount.
- D. Tree Grates:
1. Acceptable materials.
    - a) Pre-cast concrete.
    - b) Cast iron.

- E. Bollards:
  - 1. Painted yellow for visibility if in traffic area where they may be hit by vehicles or maintenance activities.
  - 2. Architect to provide details on installation depth and base.
  - 3. Types of Bollards:
    - a) Permanently installed 6" steel bollard concrete filled.
    - b) All concrete bollards may also be considered for aesthetic reasons.
    - c) If removable bollards are needed for access they need to be lockable.
- F. Banner Poles:
  - 1. Acceptable materials.
    - a) Formed steel.
  - 2. Powder Coated Finish.
  - 3. Mounting.
    - a) Concrete footer.
  - 4. Banner material.
    - a) Banner is provided by DPS.
  - 5. If a banner pole is set in a play pit it needs to clear all fall zones and have a minimum installed height for the lowest horizontal bar of 9 feet.
- G. Structural:
  - 1. Acceptable materials for permanent storage building:
    - a) Noncombustible materials.
    - b) Floor: Concrete – refer to structural engineer for slab on grade design.
    - c) Walls: Masonry CMU.
    - d) Roof: Slope roof front to back with steel frame and metal roof panels.
  - 2. Wood storage sheds: **Wood storage sheds are not allowed on school property.**

### **PART 3 EXECUTION**

#### **3.01 PREPARATION**

- A. Excavate for footings for equipment. Moisten base, compact to 90% of Standard Proctor Density.

#### **3.02 INSTALLATION**

- A. Site furnishings shall be permanently mounted by bolting down to concrete.
  - 1. If located on asphalt a 6" concrete base needs to be poured and the furniture gets surface mounted to concrete. This is to facilitate easy replacement if necessary.
  - 2. No in ground mounting of site furnishings in asphalt or other materials.

#### **3.03 FIELD QUALITY CONTROL**

- A. All items must be protected from staining, cracking, chipping, vandalism, and other drainage during progress of the work and left in a first class condition upon completion.

**END OF SECTION 32 40 21**