

## SECTION 32 40 23

### EXTERIOR RECREATION EQUIPMENT

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

- A. Playworld or approved equivalent for all playpit equipment
- B. Outdoor Athletic and Recreation Equipment. Includes, but is not limited to the following:
  - 1. Basketball.
    - a) Poles.
    - b) Nets (chain nets are not allowed).
    - c) Backboards- fixed height only.
  - 2. Track and Field.
    - a) Pole vault pole box.
    - b) Discus and shot put toe boards).
  - 3. Football goal posts.
  - 4. Soccer, field hockey, and lacrosse.
    - a) Nets and goals (portable and anchorable).
  - 5. Tennis courts.
    - a) Nets.
    - b) Poles- sleeved and removable.
    - c) Center net tie down anchor.
  - 6. Softball and baseball.
    - a) Base & anchors.
    - b) Home plate.
    - c) Pitching rubber.
    - d) Portable fencing with permanent ground sleeves and protective caps installed at all locations.
  - 7. Protective padding mounted to equipment provided in this section (unless specifically listed to be without padding).
  - 8. Outdoor tetherball (padding not required).
    - a) Ball and cord.
    - b) Sleeved pole.
  - 9. Outdoor volleyball.
    - a) Nets.
    - b) Sleeved poles.

##### 1.02 RELATED SECTIONS AND DOCUMENTS

- A. Section 32 31 13: Chain Link Fence.
- B. Section 03 30 00: Cast-in-place concrete.
- C. Drawings and general provisions of the Construction Contract, and Division-1 Specification sections apply to work of this section.

### **1.03 SUBMITTALS**

- A. Product data: Submit manufacturer's technical data and installation instructions for each item of equipment required.
- B. Operations and Maintenance: Provide tools, touch-up paint, maintenance recommendations, recommendations for graffiti removal and spare parts including nuts and bolts.

## **PART 2 – PRODUCTS**

### **2.01 CONCRETE**

- A. Refer to sections 03 30 00 for concrete specifications which are applicable to concrete required in this section.

### **2.02 FABRICATION**

- A. Outdoor Equipment:

- 1. Basketball.
  - a) Outdoor rims shall be doubled.
  - b) Backboards shall be made of steel.
  - c) Backboard shall be offset by no more than 48”.
  - d) Nets shall be nylon.
  - e) Fixed height rims- not breakaway style.
  - f) Backboard finish to be white powdercoat with official orange perimeter and target marking.
- 2. Football.
  - a) Goals shall be sleeved and removable.
  - b) Goals shall be covered with protective pads.
  - c) Single support posts for uprights - no ‘H’ configuration.
- 3. Soccer, field hockey & lacrosse.
  - a) Provide manufacturers’ standard anchoring system (lacrosse goal is non-anchored).
  - b) Provide Kwik Goal; (Model #2B3806W for H.S., for M.S. use Kwik Goal 7x21 Fusion Goal w/ wheel kit, for E.S use Kwik Goal 4.5x9 Deluxe European Goal w/ wheel kit) and goals for soccer.
  - c) Provide full regulation size for H.S., M.S. and K-8.
  - d) Provide youth size at E.S.
- 4. Tennis Court Net System.
  - a) Poles shall be removable square tube and sleeved - powder coated.
  - b) Stainless steel hardware with removable crank and internal brass gears.
- 5. Softball & baseball.
  - a) Bases shall be “Hollywood Style”.
  - b) Pitching rubber shall be four sided.
  - c) A permanent home plate is preferred.
- 6. Volleyball.
  - a) Provide sleeve to a minimum imbedment depth of 18”.
  - b) Provide removable poles.
- 7. Tetherball
  - a) Provide sleeve to a minimum imbedment depth of 18”.

## **PART 3 – EXECUTION**

### **3.01 INSPECTION**

- A. Verify gradients and elevations of base. Verify compaction for all footings and subgrades. Beginning of installation means acceptance of existing conditions.

**3.02 PREPARATION**

- A. Excavate for footings for athletic structures, and concrete wall. Moisten base, compact to 90% of Standard Proctor Density.

**3.03 FOOTINGS**

- A. Pour footings to the dimensions indicated by the manufacturer using concrete specified under concrete paving. Set any sleeves required to pouring.
- B. All footings should be level and even with no bumps, dips, or adverse slopes to affect the placement of the site improvements.

**3.04 INSTALLATION**

- A. Install equipment per manufacturer's specifications.

**3.05 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 23**