

Section 11 – MISCELLANEOUS SITE IMPROVEMENTS

A. DESCRIPTION

This work shall be the provision and placement of miscellaneous site improvements. This work shall include the furnishing and/or installation of materials as outlined below.

B. Wheel Stops

Eleven (11) wheel stops shall be installed at the north side of the building in the parking area. The wheel stops shall be six (6) foot in length, seven and three-quarter inches ($7\frac{3}{4}$ " wide, and four and three-quarter inches ($4\frac{3}{4}$ " in height. Number 8 rebar pins, thirty (30) inches in length, shall affix the wheel stops to the pavement surface.

The Contractor shall coordinate the wheel stop installation with the paving. Final wearing shall be placed prior to the installation of the rebar or wheel stops.

C. Concrete Bollards and Bollard Sleeves

The Contractor shall first auger out eighteen (18) holes for the bollards where indicated on the Drawings. Each hole must be at least eighteen inches (18") in diameter, and three and one-half feet (3.5') deep from final concrete grade. The bollards shall be 6" galvanized steel pipe filled with concrete, to be capped by a three-quarter inch ($\frac{3}{4}$ ") thick steel plate.

The Contractor shall provide and install the eighteen (18) bollards along the garage with yellow plastic sleeves.

D. Sign Installation

Signposts shall have a Class A concrete footing; buried a minimum of three (3) feet underground; with the signpost buried six (6) inches from the bottom of the footing. The footing shall be a minimum of eight (8) inches in diameter, with the signpost in the center.

Signposts installed along the parking lot shall be three inch (3") galvanized steel U-posts, with a breakaway base. The Contractor will be responsible for removing and relocating the two (2) ADA accessible signs as shown on the Contract Drawings. The Contractor may re-use the parking signs. The voids created by the removal of the signage shall be backfilled and tamped to four inches (4") below final grade; and the final four inches (4") of backfill shall be screened topsoil.

E. Concrete Bin Blocks

Provide and place concrete bin blocks for material bins located on the western side of the building.

Bin blocks shall be interlocking, stackable concrete blocks 2' H x 2' W x 6' L (Full Block) Weight: Approx. 3,600 lbs

Blocks shall have interlocking system, which is made up of v-wedges with two sets of these wedges on a block. One wedge on the top and side of the block, with a reverse wedge on the

bottom and opposite side of the block. The wedges shall enable the blocks to smoothly and efficiently lock together.

Blocks shall have a rebar handle loop that can be utilized for movement of the blocks.

F. Oil-Water Separator

- a. Provide and install a sand/oil/water separator designed for vehicle maintenance and washing facilities and as shown on the Drawings, from inside trench floor drains to sanitary sewer.
- b. Separator shall be concrete precast tank or all steel, welded construction suitable for underground installation as shown on the plans.
- c. Oil-Water Separator capacity shall be 500 gallons.
- d. Interceptor shall be manufactured by Kistner Concrete Products Inc. or Highland Tank or approved equal.
- e. Install the separator in accordance with the Manufacturer's Installation Instructions.

G. TRAFFIC CONTROL

Barricading and traffic control shall be provided as necessary to provide continuous access to the Borough offices, park and Strawberry Alley by the General Contractor. Comply with requirements of PennDOT Publication 203.

Roads and access may be limited intermittently and temporarily for certain construction activities where approved by the Borough.

H. TREES AND SHRUBS

The trees and shrubs to be used are specifically called out on the Contract Drawings (C-2). All plantings must be bought through a nursery, which must be named in the pre-construction submittals.

END OF SECTION