

ITEM 08608.1301 M - FURNISH AND INSTALL PLASTIC PAVERS

DESCRIPTION:

This work shall consist of furnishing and installing plastic pavers with a grass area, on a prepared base, in accordance with the details shown in the contract documents or as established by the Engineer.

MATERIALS:

Plastic Grass Paver: The contractor is directed to use a grass paver of plastic products (see list of manufacturers).

List of Manufacturers for Plastic Product Grass Pavers:

GRASSPAVE² INVISIBLE STRUCTURES, INC.

20100 E. 35TH Drive, Aurora, CO. 80011 (303-373-1234)

NDS

851 North Harvard Ave., Lindsay, CA. 93247 (559-562-9888)

PERMATURF CO. INC.

13 Dow Road, Bow, New Hampshire 03304 (800-498-4116)

or approved equal.

Materials shall meet the requirements specified in the following subsections of section 700-Materials:

Cushion Sand	703-06
Screened Topsoil	713-01
Seed	713-04
Straw mulch	713-19

The subbase material shall be a compacted sandy-gravel mixture. The gravel shall be a maximum size of 19 mm. 40% of the volume shall be washed concrete sand.

Cushion sand setting bed shall consist of hard, durable, uncoated particles of soil or rock, free from lumps of clay and all deleterious substances. The cushion sand setting bed materials shall meet the following gradation requirements and shall be approved by the Regional Geotechnical Engineer.

<u>SIEVE SIZE</u>	<u>PERCENT PASSING BY WEIGHT</u>
6.3 mm	100
2.0 mm	50 - 85
425 µm	20 - 45
75 µm	3 - 10

Seed mixture shall meet the following:

<u>NAME</u>	<u>VARIETY</u>	<u>WT. OF PURE LIVE SEED per M²</u>
Red Fescue (Festuca rubra)	Commercial	6.0g
Perennial Ryegrass (Lolium perenne)	Commercial	3.4g
Kentucky Blue Grass (Poa pratensis)	Commercial	<u>4.0g</u>

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Total 13.4g

CONSTRUCTION DETAILS:

All work shall be completed as per manufacturer's recommendation or as directed by the Engineer.

A 100 mm compacted sandy-gravel subbase shall be placed on the prepared subgrade, as shown in the contract documents.

The plastic pavers shall be laid, as specified, on the 100 mm subbase. The plastic pavers and the spaces between the units shall be filled with the cushion sand setting bed, to a level of 6 mm above the top of the units.

The cushion sand setting bed shall be covered with 6 mm of screened topsoil, seeded, and covered with straw mulch, as per State specifications.

The Contractor shall protect the area until a reasonable stand of grass has been established as determined by the Engineer. Any damage caused by the Contractor's operations to the adjacent areas shall be repaired by the Contractor at no expense to the State.

Where substantial tree roots are encountered, setting the line and grade shall be adjusted as necessary to assure preservation of the tree roots, as approved by the Engineer. Where necessary, material conforming to the subbase specification shall be utilized to perform the adjustment.

METHOD OF MEASUREMENT:

This work will be measured as the number of square meters of plastic pavers furnished and installed.

BASIS OF PAYMENT:

The unit price bid, per square meter, shall include the cost of furnishing all labor, materials and equipment necessary to complete the work, including subbase, setting bed material, topsoil, and seed. Necessary earthwork excavation and removal of material from the site shall be included in the cost of this item.