

FLAGSTONE PAVERS

****From Addison STP 032-1(18)**

xx. DESCRIPTION. This work shall consist of furnishing and placing flagstone pavers at the locations indicated in the Plans and as directed by the Engineer.

xx. MATERIALS. Materials shall meet the following requirements:

(a) Stone Dust. Stone dust for setting bed and joint filler shall consist of hard, durable, uncoated particles of soil or rock, free from lumps of clay and all deleterious substances. The material shall meet the following gradation requirements:

Sieve Size	% Passing By Weight
1/4"	100
#10	50-85
#40	20-45
#200	3-10

(b) Blue Flagstone. Blue flagstone shall be hand selected and free from seams, cracks, chips, and other structural imperfections or flaws which would impair structural integrity or appearance, and of a smooth but rustic appearance on at least one upward facing side. The stone shall be of a rectangular shape with one good face, and of relatively uniform size (within 1/4 inch uniformity in all dimensions) and uniform color. Representative samples shall be provided to the Engineer for approval prior to delivery to the required locations on the project.

xx. CONSTRUCTION REQUIREMENTS.

(a) Excavation and Foundation. Excavation shall be made to the required depth and to a width that will permit placing of base and setting beds as shown in the Plans. The wetting of bed course material may be necessary to obtain the required 95% compaction.

(b) Protection of Flagstone. The flagstone shall be stacked at the job site on pallets or suitable platforms that do not unnecessarily obstruct pedestrians or motorists and are protected from damage.

(c) Installation. Installation shall be performed in accordance with the Plans and the following requirements:

(1) Two inches compacted stone dust setting bed over compacted subbase as shown in the Plans.

(2) Flagstone shall be installed to the proposed finished surface line and grade and shall align with adjacent

work and elevations. Care shall be taken during the layout to minimize cutting.

- (3) Flagstone shall be installed hand tight, and additional stone dust shall be used as needed to shim the flagstone flush according to the proposed finished lines and grades.
- (4) If full flagstones need to be cut, the cut shall be made with a masonry saw.
- (5) Installation shall be performed in one direction by building forward from previously installed blue flagstone.
- (6) The proposed flagstone pattern shall be constructed as specified in the Plans and as directed by the Engineer.

(d) Jointing. Flagstone is to be set on a stone dust setting bed with an approximate 3/8 inch to 1/2 inch joint to be swept full with screenings. When setting stones the screenings should be leveled to match bottom of the profile of the stone to be laid. After stone is set it should be tamped with the handle of a sledge hammer or block of wood to vibrate stone into the bed. If stones are low after being tamped, they must be re-picked and stone dust added under the full area of stone; raising and packing edges will not be acceptable. All stones shall set in a full bed of stone dust with no voids. Any stone that rocks from corner to corner shall be picked and leveled to desired grade.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Flagstone Pavers) to be measured for payment will be the number of square meters (square yards) placed in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Flagstone Pavers) will be paid for at the Contract unit price per square meter (square yard). Payment will be full compensation for transporting, handling, and placing the materials specified, including flagstone, mortar, and stone dust; excavating, selecting, and stockpiling flagstone as necessary and in accordance with the Contract Documents; performing any other required excavation; cleaning the completed surface as required; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Subbase material will be paid for separately under the appropriate Section 301 Contract item(s).

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.675 Special Provision (Flagstone Pavers)	Square Meter (Square Yard)