



**SPECIAL PROVISIONS
FOR
CLAY PAVERS**

**Carroll County
STPN-141-4(43)--2J-14
STPN-141-4(44)--2J-14**

**Effective Date
February 16, 2021**

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

150XXX.01 DESCRIPTION.

A. General.

1. This special provision includes all labor, materials, equipment, and supervision required to remove/salvage, stockpile, re-install or furnish and install clay pavers at the Main Street intersection.
2. This section includes the specifications for clay pavers, sand setting bed, paver joint filler, PCC Subslab preparation, installation of sand setting bed, paver and joint filler installation.

B. Submittals.

1. Paver manufacturer's material test data certifying pavers comply with specification.
2. Paver samples representing actual size, shape, quality, and color.
3. Submit paver installer's and manufacturer's plan for construction and quality control of the pavers.

C. Site Disturbances.

1. Take precautions to ensure equipment and vehicles do not disturb or damage existing site grading, walks, drives, utilities, plants, etc.
2. Repair and/or return to original condition any damage caused by Contractor's negligence at no cost to the Contracting Authority.
3. Provide temporary barricades and warning lights as required for protection of project work and public safety.

150738.02 MATERIALS.

A. New Clay Pavers.

New clay pavers shall be the following:

- Manufacturer: Endicott Clay Products Pavers.
- Size: To match existing.
- Color: Burgundy Blend.

B. Re-Used Clay Pavers.

1. Second-hand units shall not be reused unless they conform to the requirements of new units (ASTM C902). The units shall be of whole, sound materials and free from cracks and other defects that will interfere with proper laying or use. Clean old mortar and debris from the unit before reuse.
2. If pavers are damaged during removal or do not meet the quality and performance requirements, furnish new bricks.

C. PCC Subslab.

PCC subslab material shall conform to Section 2511 of the Standard Specification.

D. Setting Bed.

Sand material shall conform to Section 4134 of the Standard Specification, Gradation No. 36.

E. Joint Filler.

Dry sand-cement mixture consisting of one part masonry cement complying with ASTM C 91 and three parts sand complying with ASTM C 144 and passing the No. 16 sieve.

150738.03 CONSTRUCTION.

A. Removal of Existing Pavers.

1. Carefully remove existing pavers and inspect for conformity to Article 150738.02, B.
2. Clean and stockpile existing pavers for reuse on the project.
3. Coordinate with Contracting Authority on appropriate location to stockpile salvaged pavers to minimize damage and exposure prior to re-installation.

B. PCC Subslab.

1. Prior to construction of PCC Subslab, confirm all dimensions of the actual pavers with the design pattern to confirm configuration, patterns, and dimensions of all material. Contractor shall notify the Engineer if there are any conflicts between the material and the design.
2. Construct PCC Subslab per Section 2511 of the Standard Specification.
3. Prepare a mock-up showing the quality of work expected for Contracting Authority's review and approval prior to starting the work.
4. Clean PCC subslab of any debris.
5. Verify elevation difference between PCC subslab and adjacent finished PCC pavement/sidewalk surface to confirm Pavers can be installed flush with bordering pavement/sidewalk.

C. Sand Setting Bed.

1. Place 3/4 inch depth control bars on the PCC Subslab to serve as guides for the striking board. Shim depth control bars as necessary to adjust bedding thickness and to ensure the top surface of pavers will be at the required finished grade.
2. Place bedding material between the parallel depth control bars. Pull striking board over bars several times. After each pass, spread fresh bedding material over low or porous spots to produce a smooth and even setting bed. After placing and smoothing each section, advance depth control bars to next section. After removal of depth control bars and shims, carefully fill any depressions that remain.

D. Weep Holes.

1. Install 2 inch diameter, 12 inch long, PVC pipe even with the top of the sand setting bed at the locations identified on the plans.
2. Fill pipe with 3/4 inch clean rock and cover weep hole with engineering fabric.
3. Install minimum of 12 inch deep and 12 inch wide reservoir of clean 3/4 inch rock around the pipe below the PCC subslab or extend the rock reservoir to the pavement subdrain.

E. Installation of Pavers.

1. Carefully place the pavers in straight courses with hand tight joints and uniform top surface.
2. Use string or chalk lines to keep paver lines straight and true.
3. Good alignment must be kept, and the pattern shall be that of existing, as documented by the Contractor.
4. Do not install partial pavers with an area less than one-half the original full-size.

F. Joint Treatment.

1. Maximum joints between pavers shall be 1/4 inch.
2. Sweep the joint filler into paver joints.

G. Clean-Up.

1. Sweep excess sand from paver, sidewalk, and pavement surfaces and remove from the site.
2. Remove all excess materials and debris from the site.

150738.04 METHOD OF MEASUREMENT

The Engineer will measure the square yard surface area of the installed clay pavers.

150738.05 BASIS OF PAYMENT

- A. Payment for clay pavers includes all labor, materials, equipment and supervision required to furnish and install clay pavers or remove, salvage and reinstall pavers.
- B. Unit price for clay pavers will include subgrade preparation, PCC subslab, removal, salvage and cleaning of existing pavers or furnish new pavers, material cutting and installation of pavers (existing or new), sand setting bed, geotextile fabric, edge restraints

and joint filler.