

**MATERIALS:**

**A. BRICK PAVERS**

1. MANUFACTURED FROM EXTRUDED FIRECLAY OR SHALE AND FIRE TO PRODUCE A DENSE PAVER THOROUGHLY ANNEALED AND EVENLY BURNED SO THAT, WHEN BROKEN, THEY SHOW A UNIFORMLY DENSE STRUCTURE FREE FROM LIME, AIR POCKETS, AND MARKED LAMINATIONS.
2. PROVIDE BRICK PAVERS IN WALK AREAS IN ACCORDANCE WITH ASTM C 902, CLASS SX, TYPE I.
3. PAVER THICKNESS SHALL BE 2-1/4" (MINIMUM).
4. PROVIDE A BEVEL-EDGE BRICK PAVER OF QUALITY AND COLOR TO MATCH THE TONE AND HUE OF THE BRICKS LISTED BELOW, AS APPROVED BY THE ENGINEER. PROVIDE THREE REPRESENTATIVE BRICKS FOR COLOR APPROVAL.

**BRICK PAVER SPECIFICATIONS:**

#30 CLEAR RED RUSTIC DIMENSIONS  
2-1/4"x4"x8" AS MANUFACTURED BY  
WHITACRE GREER BRICK FOR WALKS AND  
CURB RAMPS BRICK MUST MEET DIMENSIONS  
AND QUALITY, CONTRACTOR IS TO DISCARD  
ANY DEFECTIVE BRICKS.

**COLOR BLENDING INSTRUCTIONS:**

PAVERS ARE TO BE LAID FROM MULTIPLE PALLETS  
TO ACCOMPLISH A UNIFORM BLENDING OF COLORS.

5. CLAY PAVERS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7,500 PSI WITH NO INDIVIDUAL STONE TESTING LESS THAN 7,200 PSI.
6. CONTRACTOR SHALL NOT INSTALL ANY BRICK PAVING MATERIAL INCLUDING CONCRETE UNDERLAYMENT UNTIL THE SHOP DRAWINGS HAVE BEEN APPROVED BY THE CITY.

**B. INSTALLATION OF BRICK PAVERS**

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1. PLACE THE PAVERS BY HAND WHEN THE MODIFIED ASPHALT ADHESIVE IS DRY TO THE TOUCH. PLACE IN STRAIGHT COURSES, CONTROLLED BY ACCURATELY PLACED STRIKING LINES, WITH HAND-TIGHT JOINTS AND UNIFORM TOP SURFACE. KEEP GOOD ALIGNMENT AND THE PATTERN THAT IS SHOWN ON THE PLANS OR APPROVED SHOP DRAWINGS. ESTABLISH COURSING PERPENDICULAR TO STREET CENTERLINE.
2. PROTECT NEWLY LAID PAVERS AT ALL TIMES BY PANELS OF PLYWOOD ON WHICH THE INSTALLER STANDS. ADVANCE THESE PANELS OF PLYWOOD AS WORK PROGRESSES. KEEP THE PLYWOOD PROTECTION IN AREAS WHICH WILL BE SUBJECTED TO CONTINUED MOVEMENT OF MATERIALS AND EQUIPMENT.

**A. JOINT TREATMENT**

1. VARY HAND-TIGHT JOINTS FROM 0" TO A MAXIMUM 3/16" WITH 1/8" BEING THE AVERAGE JOINT DIMENSION. FILL JOINTS WITH STABILIZED JOINT FILLER CONSISTING OF SAND AND SANDLOCK MIXTURE, SEE 4 THROUGH 7 FOR INSTALLATION.
2. SAW BRICK PAVERS TO FIT TIGHTLY AROUND ALL OBSTACLES WITHIN THE PAVING AREA. MEET JOINTING TOLERANCE OF HAND-TIGHT JOINTS. FIT PAVERS AROUND CIRCULAR OBJECTS WITH CIRCULAR OR ARCH FORM, NOT ANGULAR.
3. SAW BRICK PAVERS TO FIT WITHIN THE PATTERN AROUND OBSTACLES AND PROVIDE A SURFACE AREA GREATER THAN ONE-THIRD A FULL-SIZE BRICK, UNLESS APPROVED BY THE CITY AS THE ONLY ALTERNATIVE.
4. BLENDING SANDLOCK WITH SAND

A. UNIFORMLY BLEND 1-1/2 LBS. OF SANDLOCK PER 100 LBS. OF DRY JOINT SAND MATERIAL. ON-SITE MIXING RATIO MAY BE ADJUSTED BETWEEN 1 AND 1-3/4 LBS. PER 100 LBS. OF SAND.

B. BLENDING CAN BE ACCOMPLISHED EITHER BY HAND MIXING OR DRY MIXING IN A MECHANICAL MIXER ON SITE, OR MATERIAL CAN BE PRE-MIXED IN PROPER PROPORTIONS AND DELIVERED TO THE WORK SITE. MIX ONLY ENOUGH MATERIAL TO COMPLETELY FILL THE JOINTS OF THE PAVERS WHICH HAVE BEEN SET THAT DAY. ONCE MIXED, MATERIAL MUST REMAIN COMPLETELY DRY PRIOR TO APPLICATION; PROPER PRECAUTION SHOULD BE TAKEN TO PROTECT MATERIALS FROM EXCESSIVE MOISTURE EXPOSURE PRIOR TO USE. WHILE SANDLOCK CAN BE ADDED TO DAMP SAND, IT SHOULD NOT BE USED WITH SAND THAT IS WET. BE SURE TO COVER SAND PILES AT THE END OF EVERY WORK DAY OR IF RAIN IS EXPECTED.

**5. PLACEMENT OF MIXED JOINT MATERIAL**

SPREAD MIXED JOINT SAND MATERIAL OVER PAVED SURFACE EVENLY; COMPLETELY COVER PAVER SURFACE WITH THIN LAYER OF MIXED AGGREGATE AND SANDLOCK. USING A PUSH BROOM SWEEP THE MIXTURE INTO THE JOINTS WITH A SLIGHT POUNDING MOTION. CONTINUE THIS PROCEDURE UNTIL ALL JOINTS ARE FULL AND SAND CAN NO LONGER BE VIBRATED INTO THEM.

**6. ACTIVATION OF BONDING**

A. CAREFULLY SWEEP ENTIRE PAVEMENT CLEAN TO REMOVE SANDLOCK MIXTURE FROM THE PAVER SURFACES. EXCESS SAND MATERIALS INCLUDING CHAMFERED AREAS MUST BE SWEEPED OFF PAVED SURFACE AND REMOVED. POWER BROOMS OR BLOWERS ARE RECOMMENDED FOR LARGE AREAS. EXCESS MATERIAL REMAINING ON SURFACE AFTER THE MIXTURE HAS BEEN ACTIVATED IS DIFFICULT TO REMOVE.

B. THE PAVED AREA, INCLUDING JOINTS, SHOULD BE FLOODED WITH WATER TO ACTIVATE THE SANDLOCK ADDITIVE. CARE MUST BE TAKEN TO AVOID WASHING SAND FROM THE JOINTS. DO NOT USE HIGH PRESSURE SPRAY FOR FLOODING SURFACE. AFTER FLOODING, AREA SHOULD BE COMPLETELY DRY, INCLUDING JOINTS, PRIOR TO PERMITTING TRAFFIC TO USE PAVED AREAS. DRYING TYPICALLY OCCURS WITHIN 2 TO 6 HOURS, DEPENDING UPON WEATHER CONDITIONS.

**7. CLEANUP**

IF SANDLOCK IS LEFT ON SURFACE, IT WILL EMULSIFY. DEPENDING ON SEVERITY, IT MAY COME OFF WITH WATER AND BRUSHING; IF SEVERE, IT MAY REQUIRE PRESSURE WASHING. NEVER LEAVE DRY SANDLOCK RESIDUE ON SURFACE.



**CITY OF  
SIDNEY**

# STREETSCAPE BRICK SPECIFICATIONS

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	PAGE No. 300-18