

City of Alexandria, Virginia

MEMORANDUM

MEMORANDUM TO INDUSTRY NO. 2019-03

DATE: APRIL 1, 2019

TO: DEVELOPERS, ARCHITECTS, ENGINEERS & SURVEYORS

FROM: HEATHER DIEZ, ^{K.D.} PE, DEPUTY DIRECTOR, DEVELOPMENT AND RIGHT OF WAY, DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

JFD
JEFFREY DUVAL, DEPUTY DIRECTOR, OPERATIONS, DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

SUBJECT: BRICK AND CONCRETE HYBRID SIDEWALK

Effective March 1, 2019, the City of Alexandria will allow and encourage the Brick and Concrete Hybrid Sidewalk be constructed within the identified areas highlighted in “City of Alexandria Sidewalk Materials-Staff Guidance Map” established on August 2014 linked below.

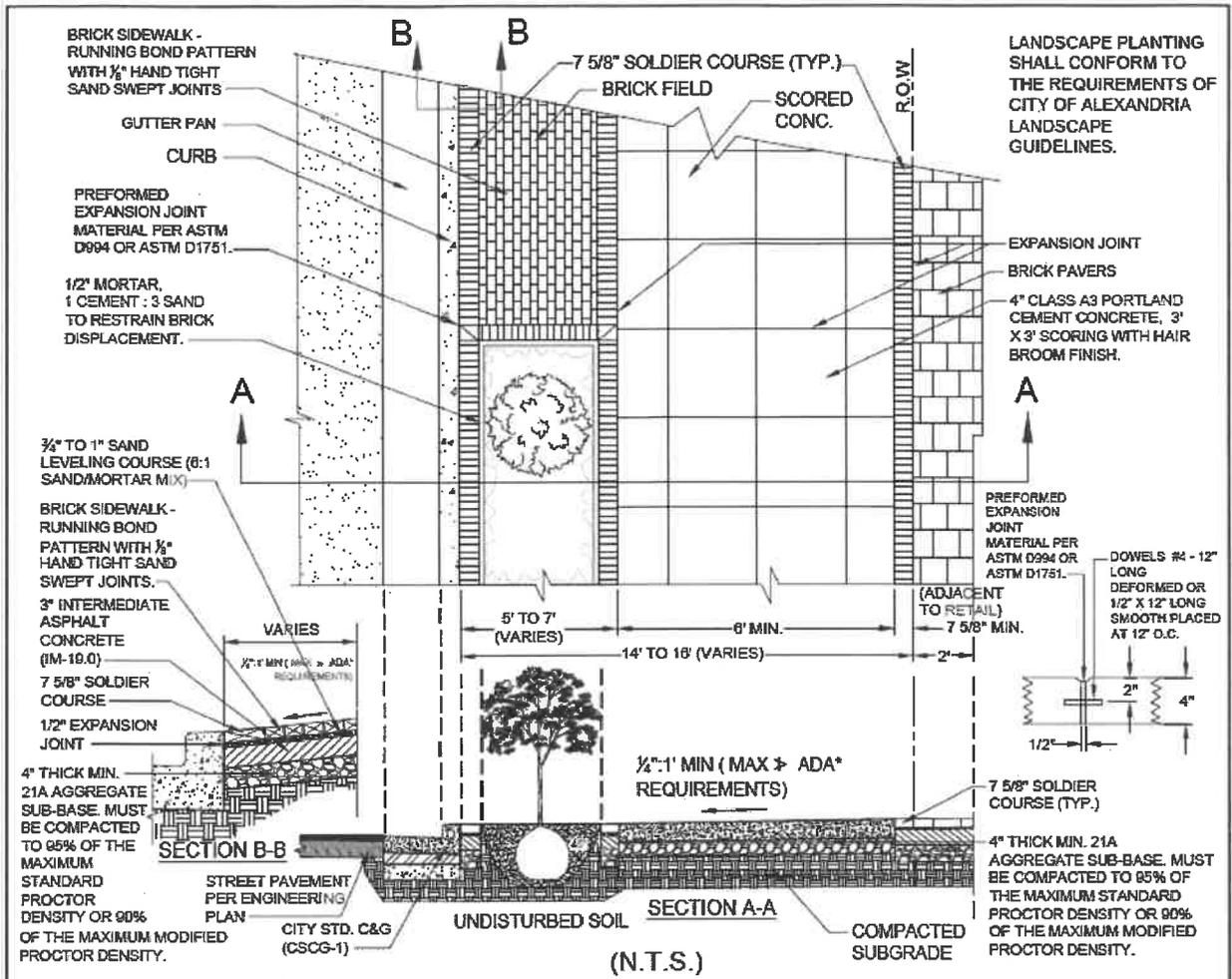
<https://www.alexandriava.gov/uploadedFiles/localmotion/info/gettingaround/Sidewalk%20Materials%20Staff%20Guidance%20Packet%209.5.14.pdf>

Brick/Concrete Hybrid Sidewalk area as depicted on the map will comply with the Brick and Concrete Hybrid Sidewalk details standards “CSSW-9” attached to this memo and shall apply to all designated areas as shown on the linked map.

The intent of this sidewalk material and scoring pattern is to allow flexibility to keep brick as a part of the streetscape and have concrete within the pedestrian zone while accommodating the City’s Complete Street Design Guidelines and BMPs where applicable.

ATTACHMENT:

1. Brick and Concrete Hybrid Sidewalk Detail CSSW-9



*ADA: AMERICAN WITH DISABILITY ACT.

- NOTES:
1. THE BRICK SHALL BE OLD VIRGINIA #24 EXTRUDED / WIRE CUT, MODULAR SIZE (3 5/8" X 2 1/4" X 7 5/8"), SHENANDOAH SERIES POPLAR FOREST RED RANGE CONFORMING TO THE REQUIREMENTS OF ASTM C902 CLASS SX, TYPE I OR APPROVED EQUAL. THE BRICK SUBJECTED TO HEAVY VEHICULAR TRAFFIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM C1272 OR APPROVED EQUAL.
 2. THE EXPANSION JOINTS SHALL BE 1/2" WIDE, FULL DEPTH, AND SHALL BE OF PRE-FORMED EXPANSION JOINT MATERIAL CONFORMING TO THE REQUIREMENTS OF ASTM D994 ASPHALT OR ASTM D1751 FIBRE. EXPANSION MATERIAL SHALL BE SECURED IN A MANNER THAT WILL PREVENT MOVEMENT OR DISPLACEMENT OF BRICK DURING PLACEMENT.
 3. THE EXPANSION JOINTS SHALL BE PLACED AT A DISTANCE OF 30' OR COINCIDING WITH THE SCORING.
 4. DOWELS SHALL BE PLACED AT THE END OF A SIDEWALK PLACEMENT, AT INTERRUPTIONS FOR A DRIVEWAY, OR IF SIDEWALK SLABS ARE POURED AT DIFFERENT TIMES.
 5. SAWING OF JOINTS SHALL BE CONDUCTED AS SOON AS THE CONDITION OF THE CONCRETE PERMITS AND BEFORE ANY RANDOM CRACKING APPEARS.
 6. SCORING OF CONCRETE SLAB SHALL BE SAW CUT NOT MORE THAN 3/16" IN WIDTH AND NOT MORE THAN 1/2" DEEP.
 7. ALL STRUCTURAL ITEMS TO CONFORM TO THE LATEST EDITION OF UNIFORM STATEWIDE BUILDING CODE (USBC) REQUIREMENTS.
 8. PRIOR TO CONSTRUCTION, ALL STRUCTURAL CROSS SECTIONS SHALL BE REVIEWED BY A QUALIFIED STRUCTURAL AND/OR GEOTECHNICAL ENGINEER, AND MODIFIED AS NECESSARY BASED ON THE SITE SPECIFIC GEOTECHNICAL REPORT.

BRICK AND CONCRETE HYBRID SIDEWALK		4-1-19
		DATE
DEPARTMENT OF TRANSPORTATION & ENVIRONMENTAL SERVICES		CSSW-9
APPROVED	DATE	PAGE 49
ALEXANDRIA VIRGINIA		