



## Loudoun County, Virginia

www.loudoun.gov

---

### Department of Building and Development

#### Land Engineering Division

1 Harrison Street, S.E., P.O. Box 7000, Mailstop #60, Leesburg, VA 20177-7000

**(703) 777-0220**

FAX Numbers: Permits and Administration (703) 771-5522 - Engineering (703) 737-8993

## Technical and Procedural Newsletter

May 31, 2018

**TO:** Members of the Land Development and Engineering Design Community

**FROM:** Gary Clare, Land Engineering Division Manager

*The purpose of this correspondence is to inform the Land Development and Engineering Design Community of technical and procedural updates that have recently transpired. Please distribute this information to applicable personnel within your organization.*

### **IN THIS EDITION: *Residential Driveway Standards***

#### **Background:**

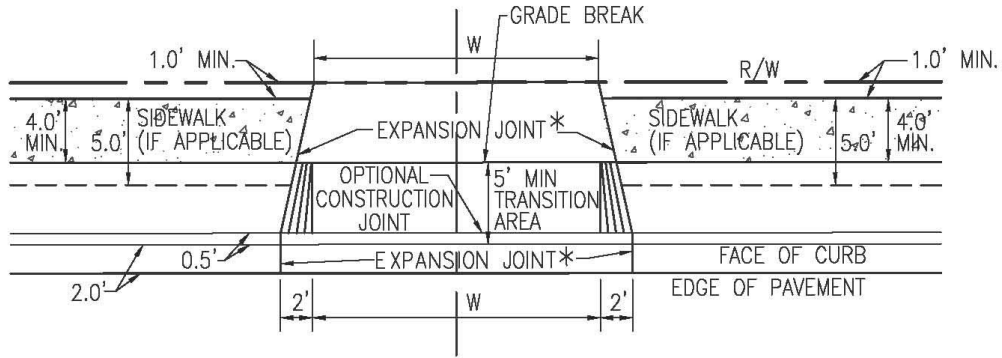
The VDOT land use engineer in Northern Virginia District (Fairfax) consulted with the VDOT Geometric Design Engineer at the Commonwealth level in Richmond and concluded that the Loudoun County Facilities Standards Manual (FSM) driveway standard currently reflected and still being used is not in compliance with the VDOT standard for such entrances onto state maintained roadways.

Specifically, the Loudoun driveway entrance standard (reproduced as uncorrected first figure below) does not show the six inch (6") aggregate under the concrete needed in order to be compliant with the VDOT standard (reproduced as the second figure below).

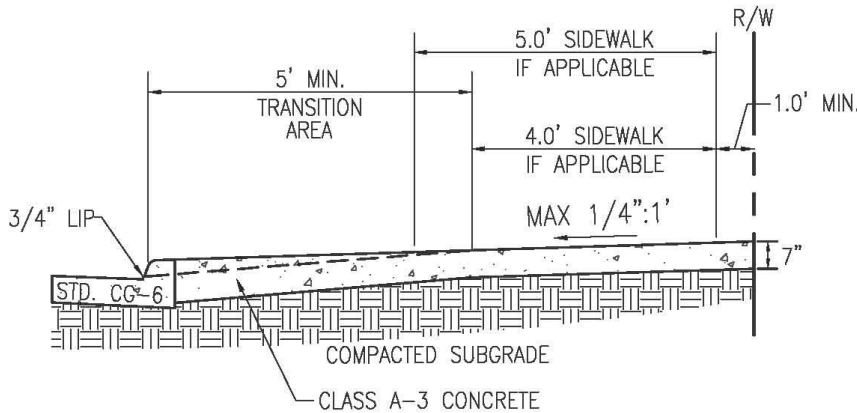
A future amendment to the FSM shall correct this figure to meet the VDOT standard. However, in the interim period, all new projects must reflect driveway aprons proposed as connecting to state maintained roadways as providing this six inch aggregate layer.

#### **APPLICABLE STANDARDS:**

Loudoun County Facilities Standards Manual, Chapter 4, Figure 6.



\* NOTE: CONTROL JOINTS MAY BE USED IN PLACE OF EXPANSION JOINTS ON PRIVATE STREETS.



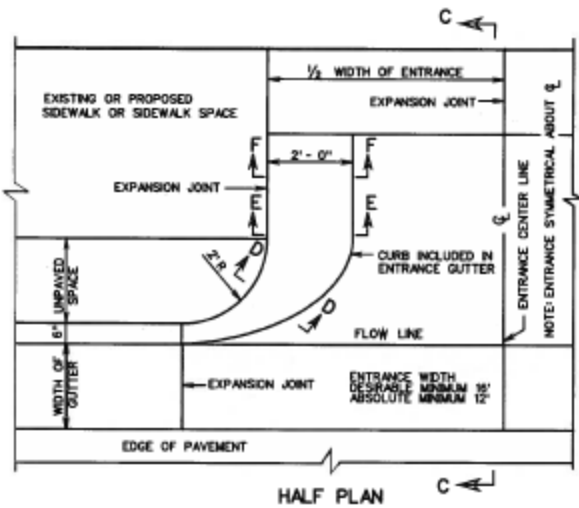
ENTRANCE TYPE	MINIMUM APRON WIDTH (W)
TOWNHOUSE DRIVEWAY ENTRANCE	10'
SINGLE CAR GARAGE DRIVEWAY ENTRANCE	12'
MULTICAR GARAGE DRIVEWAY ENTRANCE (1) GREATER THAN 35' IN LENGTH	12'
MULTICAR GARAGE DRIVEWAY ENTRANCE (1) 35' OR LESS IN LENGTH	18' (2)

- NOTE: (1) DRIVEWAY LENGTH IS MEASURED FROM THE CENTER OF THE BACK OF THE CONCRETE APRON TO THE CENTER OF THE GARAGE FACE WHERE THE DOOR(S) ARE LOCATED.  
 (2) MINIMUM WIDTH SHALL BE THE GREATER OF 18' OR THE WIDTH ACHIEVED BY NECKING THE DRIVEWAY AT A 10:1 ANGLE STARTING 18' OUTSIDE THE GARAGE DOOR.  
 (3) SIDEWALK AND PROPERTY LINE LOCATIONS MAY VARY FOR TOWNHOUSE DRIVEWAYS.

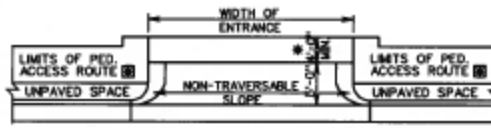
## STANDARD CURB AND GUTTER INDIVIDUAL DRIVEWAY ENTRANCE

(NO SCALE)

FIGURE 6



HALF PLAN



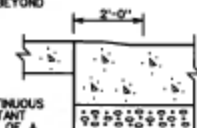
PEDESTRIAN ACCESS ROUTE DETAIL

ADDITIONAL RIGHT-OF-WAY IS REQUIRED IF THE LIMITS OF PEDESTRIAN ACCESS ROUTE EXTEND BEYOND EXISTING OR PROPOSED VDOT RIGHT-OF-WAY.

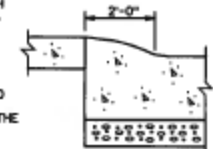
PEDESTRIAN ACCESS ROUTES PROVIDE A CONTINUOUS UNOBSTRUCTED, STABLE, FIRM AND SLIP RESISTANT PATH CONNECTING ALL ACCESSIBLE ELEMENTS OF A FACILITY THAT CAN BE APPROACHED, ENTERED AND USED BY PEDESTRIANS. IF ACCESS ROUTE IS ADJACENT TO BACK OF CURB, MINIMUM WIDTH SHOULD BE 6'.

IF PEDESTRIAN ACCESS ROUTES ARE BEING PROVIDED, A MINIMUM 4' TRAVERSABLE WIDTH IS REQUIRED WITH A MAX. 2% CROSS SLOPE.

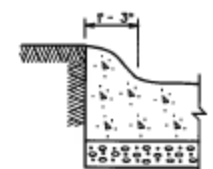
WHEN USED IN CONJUNCTION WITH STANDARD CG-3 OR CG-7, THE CURB FACE ON THIS STANDARD IS TO BE ADJUSTED TO MATCH THE MOUNTABLE CURB CONFIGURATION.



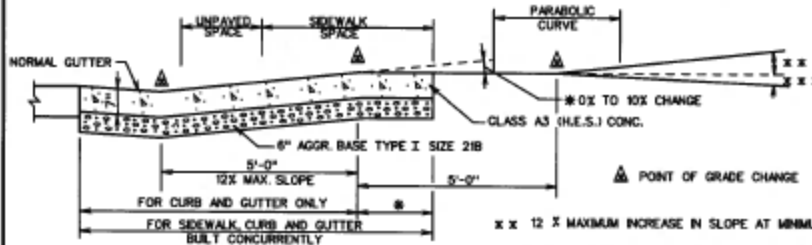
SECTION F-F



SECTION E-E



SECTION D-D



SECTION C-C

xx 12% MAXIMUM INCREASE IN SLOPE AT MINIMUM 10' INTERVALS  
 xxx 3% MAXIMUM DECREASE IN SLOPE FOR FIRST 10' INTERVAL AND 2% MAXIMUM DECREASE FOR SUCCEEDING MINIMUM 10' INTERVALS

SPECIFICATION REFERENCE	<b>STANDARD ENTRANCE GUTTER</b> (FOR USE WITH UNPAVED SPACE BETWEEN CURB & SIDEWALK)	<b>VDOT</b> ROAD AND BRIDGE STANDARDS
502	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE      SHEET 1 OF 1 203.02