



APS NOTES:

1. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.
2. The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.
3. Pushbutton arrows are to be parallel to the crossing for which they are intended.
4. Location of accessible pedestrian signal pushbuttons must meet location requirements of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, "Accessible Pedestrian Signals: Guide To Best Practice". If not met, the contractor is to stop work on pushbutton locations until a design waiver is obtained, approved by the director, Office Of Traffic and Safety.
5. APS will function as follows:
  - URBANA PIKE
    - a. When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message "Wait to cross Urbana at Carmax Driveway, Wait."
    - b. When the WALK phase begins, the pushbutton unit will provide a rapid tick which will last for the duration of the WALK phase.
  - CROSS CARMAX ENTRANCE
    - a. When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message "Wait to cross Carmax Driveway at Urbana, Wait."
    - b. When the WALK phase begins, the pushbutton unit will provide a rapid tick which will last for the duration of the WALK phase.

CONSTRUCTION DETAILS

- A. Install parallel sidewalk ramp (Std No. MD 655.12).
- B. Install standard Type 'A' combination curb and gutter (Standard No. MD 620.02)
- C. Install 8" curb as shown.
- D. Install detectable warning surface (Std No. MD 655.40).
- E. Install perpendicular sidewalk ramp (Std No. MD 655.11).
- F. Tie in sidewalk with existing sidewalk at joint.
- G. Tie in proposed sidewalk with existing sidewalk at joint.
- H. Tie new curb to existing curb at joint.
- J. Install sidewalk transition section (48:1) as shown.
- K. Install curb against existing storm drain inlet.
- L. Install standard Type "A" combination curb and gutter (Standard No. MD 620.02). Slope curb from grade to 4" height in 5' with 8' of 4" curb and slope back to grade in 5'.
- M. Bump out curb to create a 5' passage from existing steel pole foundation to the back of the proposed curb (approximately 23' radius).

NOTE:  
ALL PROPOSED GEOMETRICS, ADA RAMPS AND SIDEWALKS ARE TO BE INSTALLED BY THE ROADWAY CONTRACTOR.

**GEOMETRIC LEGEND**

PROPOSED SIDEWALK / CURB ————

EXISTING SIDEWALK / CURB - - - - -

PROPOSED SIDEWALK / ADA RAMP / CURB [Hatched Box]

NOTE:  
SIDEWALK JOINTS ARE APPROXIMATE

1 Redline Revision  
Dated October 17, 2013

**SHA** MDOT - SHA  
O.O.T.S.

*John* 10-18-13

S.H.A. Approval Date  
T.S. # 4055B T.I.M.S. # 1580

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

MD 355 (URBANA PIKE) AND  
LOWE'S LANE / CARMAX DRIVEWAY  
FREDERICK, MARYLAND

**ADA RAMP DETAIL PLAN**

SCALE 1"=10' DATE 5-22-12 CONTRACT NO. BW996M82

DESIGNED BY R R ZACHERL COUNTY FREDERICK  
DRAWN BY W J NIES LOGMILE 10035508.91  
CHECKED BY TIMS NO. 1580  
F.A.P. NO. TOD NO.

TS NO. 4055 B DRAWING NO. 2 OF 6 SHEET NO. OF

**ST**  
STREET TRAFFIC STUDIES, LTD.

400 Crain Hwy, N.W.  
Crosby, MD 21035

Ph (410) 590-5500  
Fax (410) 590-6637

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PLOTTED: #DATETIME#  
FILE: #FILE#