

DRILL HOLES

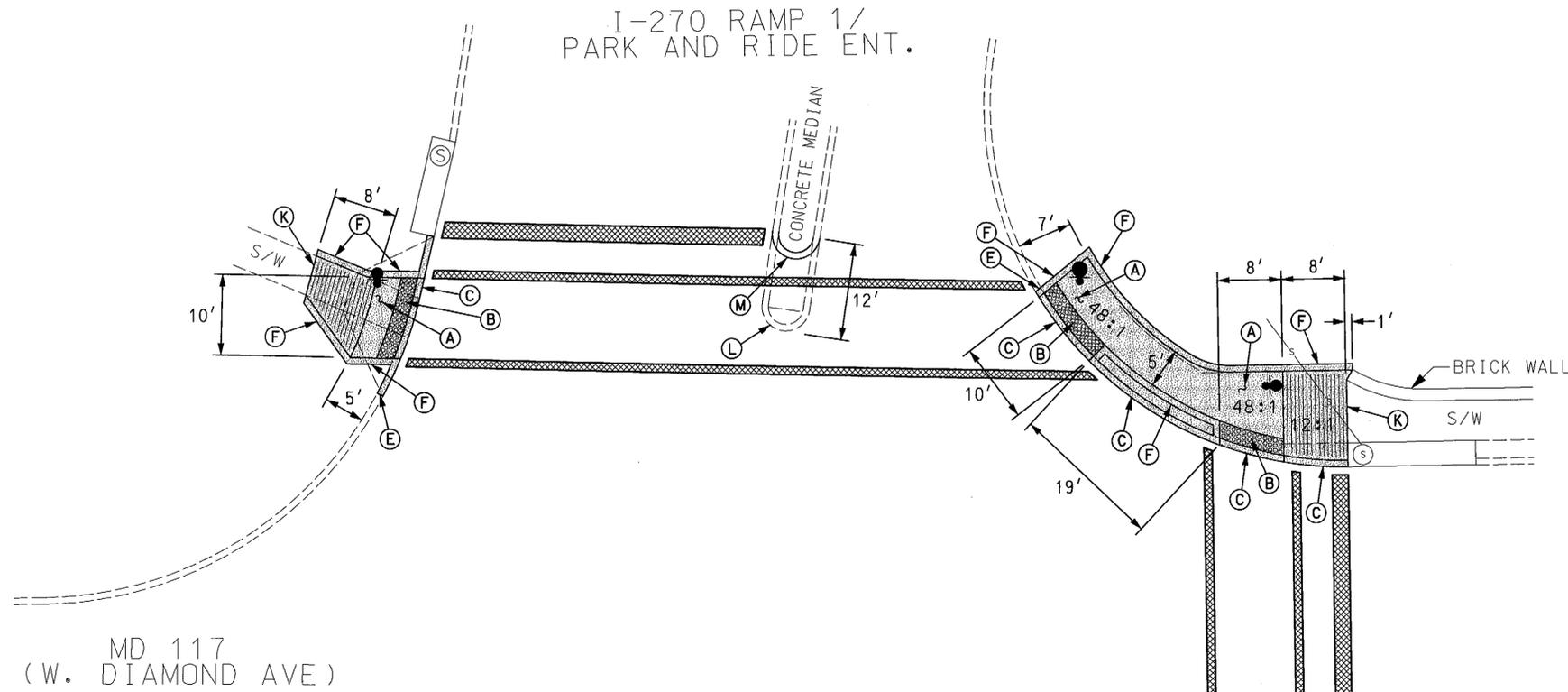
BORDER REV: DATE: June 1, 2004

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NOTE: MD 117 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.



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:
  - TO CROSS W. DIAMOND AVENUE
    - a. When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message "Wait to cross W. Diamond at I-270 Ramp, 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.
  - TO CROSS I-270 RAMP
    - a. When pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message "Wait to cross I-270 Ramp at W. Diamond, 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.

GEOMETRIC CONSTRUCTION DETAILS

- A. INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12).
- B. INSTALL DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- C. INSTALL STANDARD TYPE "A" COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
- D. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- E. TIE NEW CURB TO EXISTING CURB AT JOINT.
- F. INSTALL STANDARD TYPE "A" CURB.
- G. INSTALL CUT THROUGH MEDIAN OPENING (STANDARD NO. MD 655.21).
- H. REMOVE EXISTING SIDEWALK AREA, BACKFILL, SEED AND MULCH.
- J. REMOVE EXISTING MEDIAN CUT-THROUGH AND INSTALL 5" CONCRETE.
- K. SAWCUT EXISTING MACADAM SIDEWALK.
- L. REMOVE 12' OF EXISTING MEDIAN NOSE AND INSTALL ROAD PATCH AS NEEDED.
- M. INSTALL MEDIAN NOSE AS SHOWN.

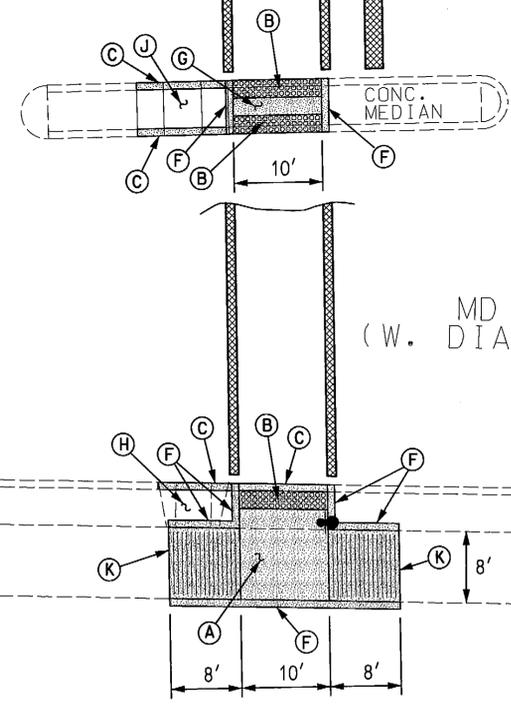
GEOMETRIC LEGEND

PROPOSED SIDEWALK / CURB \_\_\_\_\_

EXISTING SIDEWALK / CURB - - - - -

PROPOSED SIDEWALK / ADA RAMP / CURB [Hatched Box]

NOTE:  
SIDEWALK JOINTS ARE APPROXIMATE



TOD NO: XX354-17  
SHA NO: M0255A58/K58  
MD 117 @ I-270 SB ramp/Park @ Ride  
entrance

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

MD 117 (W DIAMOND AVENUE) AND  
I-270 RAMP 1 / PARK AND  
RIDE ENTRANCE  
GAITHERSBURG, MARYLAND

ADA RAMP DETAIL PLAN

SCALE 1" = 10' DATE 10-19-2010 CONTRACT NO. M07915171

DESIGNED BY R R ZACHERL COUNTY MONTGOMERY

DRAWN BY W J NIES LOGMILE 15011711.81

CHECKED BY [Signature] TMS NO. J696

F.A.P. NO. TOD NO.



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TS NO. 4111A DRAWING NO. 2 OF 3 SHEET NO. OF