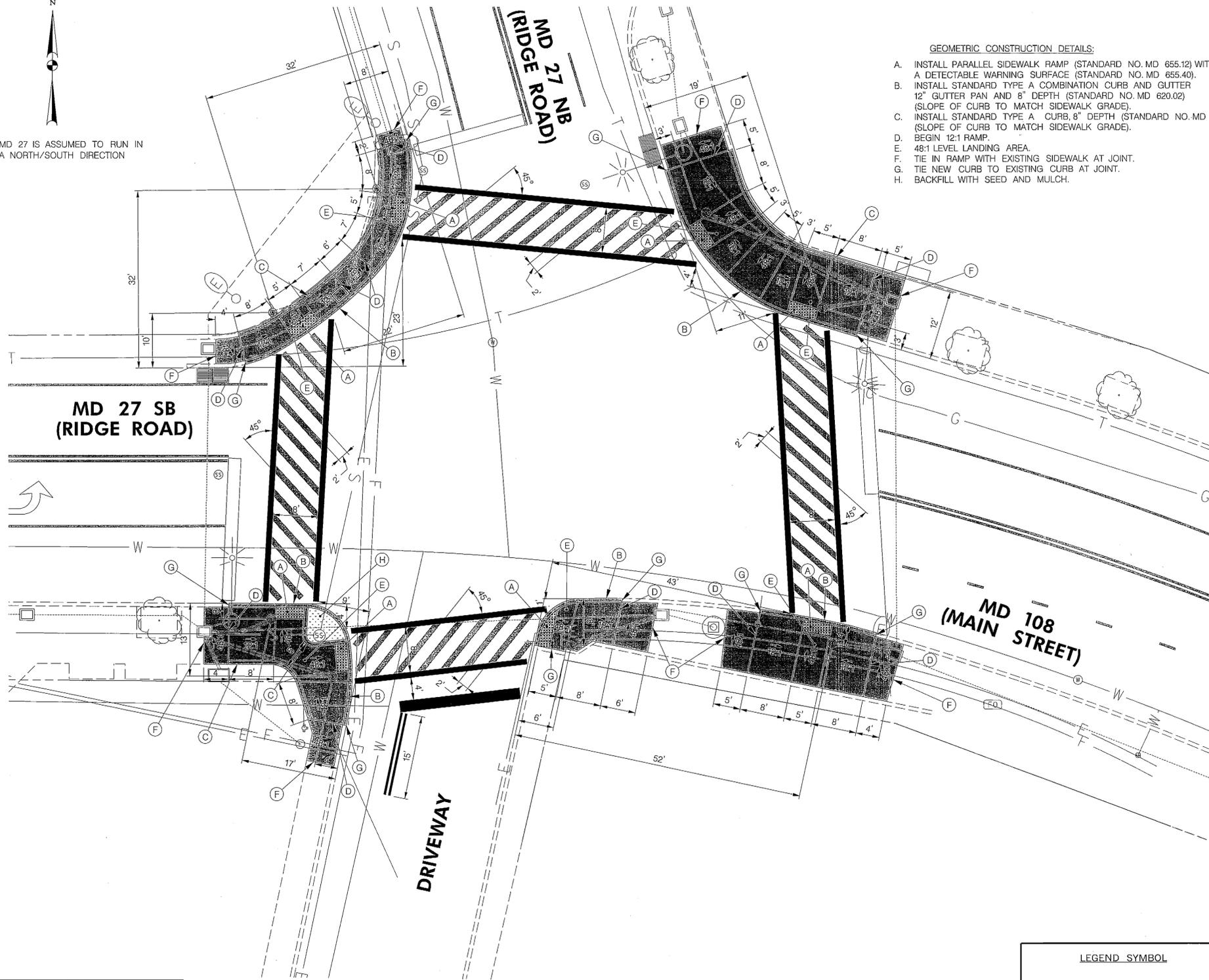




MD 27 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION



GEOMETRIC CONSTRUCTION DETAILS:

- A. INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- B. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (12" GUTTER PAN AND 8" DEPTH (STANDARD NO. MD 620.02) (SLOPE OF CURB TO MATCH SIDEWALK GRADE).
- C. INSTALL STANDARD TYPE A CURB, 8" DEPTH (STANDARD NO. MD 620.02) (SLOPE OF CURB TO MATCH SIDEWALK GRADE).
- D. BEGIN 12:1 RAMP.
- E. 48:1 LEVEL LANDING AREA.
- F. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- G. TIE NEW CURB TO EXISTING CURB AT JOINT.
- H. BACKFILL WITH SEED AND MULCH.

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' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO 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, SEC. 4E.10, FIG. 4E-3, FIG. 4E-4, 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 MD 27 AT MD 108 (APS #46)

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS RIDGE AT MAIN, WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS MD 108 AT MD 27 (APS #33)

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS MAIN AT RIDGE, WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS MD 27 AT MD 27 (APS #40,45)

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS RIDGE AT RIDGE, WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS DRIVEWAY AT MD 27 (APS #44)

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS DRIVEWAY AT RIDGE, WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS DRIVEWAY AT MD 108 (APS #43)

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS DRIVEWAY AT MAIN, WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS MD 27 AT DRIVEWAY (APS #39)

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS RIDGE AT DRIVEWAY, WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS MD 108 AT DRIVEWAY (APS #34)

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS MAIN AT DRIVEWAY, WAIT."
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

UTILITY LEGEND	
---	SD STORM DRAIN
---	G GAS MAIN
---	W WATER MAIN
---	S SEWER MAIN
---	E ELECTRIC CABLES
---	A AERIAL CABLES
---	T TELEPHONE CABLES
---	F FIBER-OPTIC CABLES

LEGEND SYMBOL	
⊙	18" PED POLE FOUNDATION
---	CONDUIT RUN

GEOMETRIC LEGEND	
[Hatched]	NEW SIDEWALK AND ADA HANDICAP RAMP
[Dotted]	SEED AND MULCH

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 27 (RIDGE ROAD) AT
MD 108 (MAIN STREET)
DAMASCUS, MD

GEOMETRIC PLAN SHEET			
SCALE 1" = 10' ADVERTISED DATE 03/2013 CONTRACT NO. XY1515185			
DESIGNED BY	DM	COUNTY	MONTGOMERY
DRAWN BY	DM	LOGMILE	15002706.56
CHECKED BY	RM	TIMS NO.	L711
F.A.P. NO.		TOD NO.	
TS NO. 1013-F	DRAWING	SG-2 OF 2	SHEET NO. 2 OF 3

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BY: fanyong