



MD 108 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

**MD 108 WB  
(OLNEY SANDY SPRING RD.)**

**MD 108 EB  
(OLNEY SANDY SPRING RD.)**

**SPARTAN ROAD**

**APS NOTES:**

- 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%.
- THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSH BUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- PUSH BUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- 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.
- APS WILL FUNCTION AS FOLLOWS:

**TO CROSS MD 108 AT SPARTAN RD**

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:  
"WAIT TO CROSS OLNEY SANDY SPRING AT SPARTAN 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 SPARTAN RD AT MD 108**

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"WAIT TO CROSS SPARTAN AT OLNEY SANDY SPRING 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 CONSTRUCTION DETAILS:**

- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) (NOTE: ONE 24"x60" DETECTABLE WARNING SURFACE.)
- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) (NOTE: TWO 24"x48" DETECTABLE WARNING SURFACES.)
- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) (NOTE: THREE 24"x36" DETECTABLE WARNING SURFACE.)
- INSTALL PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11) (NOTE: ONE 24"x60" DETECTABLE WARNING SURFACE.)
- INSTALL CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21) (NOTE: TWO 24"x60" DETECTABLE WARNING SURFACE.)
- RECONSTRUCT CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21) (NOTE: TWO 24"x60" DETECTABLE WARNING SURFACE.)
- INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
- INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02).
- INSTALL CONCRETE ISLAND, FILL WITH 5" SIDEWALK.
- BEGIN 12:1 RAMP
- BEGIN 48:1 LEVEL LANDING AREA.
- TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- TIE NEW CURB TO EXISTING CURB AT JOINT.

**1 RED LINE REVISION NO. 1 04/25/2012**

*TEDD* 5/14/2012  
**TEDD APPROVAL**

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

LEGEND SYMBOL	
	36" SIGNAL POLE FOUNDATION
	18" PED POLE FOUNDATION W/SIGN AND PUSHBUTTON
	PED SIGN AND PUSHBUTTON
	SIGNAL CABINET W/PAD
	POWER PEDESTAL
	HANDHOLE
	CONDUIT RUN

GEOMETRIC LEGEND	
	EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
	NEW SIDEWALK AND ADA HANDICAP RAMP

**SH&A** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 108 (OLNEY SANDY SPRING ROAD) AT  
SPARTAN ROAD  
OLNEY, MD

**GEOMETRIC PLAN SHEET**

SCALE 1" = 10' ADVERTISED DATE 12/2011 CONTRACT NO. XX8555185

DESIGNED BY DM COUNTY MONTGOMERY  
DRAWN BY DM LOGMILE 15010813.67  
CHECKED BY RM TMS NO. K700  
F.A.P. NO. TOD NO.

TS NO. 2503C DRAWING - OF SHEET NO. 2 OF 3

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