

MD 124 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

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

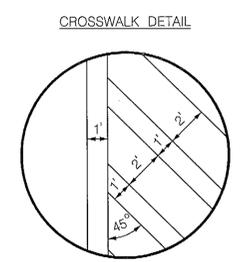
GEOMETRIC LEGEND	
(Dashed line)	EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
(Stippled area)	NEW SIDEWALK AND ADA HANDICAP RAMP
(Cross-hatched area)	SEED AND MULCH (CLASS 2 EXCAVATION)

LEGEND SYMBOL	
(Circle with dot)	18" PED POLE FOUNDATION
(Circle with cross)	PED SIGN AND PUSHBUTTON
(Double line)	PROPOSED CONDUIT RUN

- 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' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
 - PUSHBUTTON 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.08-4E.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.

- APS WILL FUNCTION AS FOLLOWS:**
- TO CROSS MD 124 (QUINCE ORCHARD RD) AT MD 117 (CLOPPER ROAD):**
- WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS QUINCE ORCHARD AT CLOPPER, WAIT."
 - 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 124 (QUINCE ORCHARD RD) AT MD 117 (WEST DIAMOND AVE):**
- WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS QUINCE ORCHARD AT WEST DIAMOND, WAIT."
 - 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 117 (CLOPPER ROAD) AT MD 124 (QUINCE ORCHARD ROAD):**
- WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS CLOPPER AT QUINCE ORCHARD, WAIT."
 - 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 PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11).
 - INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12).
 - INSTALL COMBINATION SIDEWALK RAMP (STANDARD NO. MD 655.13).
 - INSTALL CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21).
 - INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02)
(NOTE: ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
 - INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02)
 - BEGIN 12:1 RAMP.
 - 48:1 LEVEL LANDING AREA.
 - TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
 - TIE NEW CURB TO EXISTING CURB AT JOINT.
 - BACKFILL WITH SEED AND MULCH (CLASS 2 EXCAVATION).



SHA	STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
	OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 124 (QUINCE ORCHARD ROAD) AND MD 117 (WEST DIAMOND AVENUE) GAITHERSBURG, MD
GEOMETRIC PLAN SHEET	
SCALE: 1" = 10' ADVERTISED DATE: 08/2013 CONTRACT NO.: XY2395185	
DESIGNED BY: JC	COUNTY: MONTGOMERY
DRAWN BY: JC	LOGMILE: 15011.26
CHECKED BY: RM	TMS NO.: M055
F.A.P. NO.:	TOD NO.:
TS NO. 2027B-DE	DRAWING SG-2 OF 3
SHEET NO. 2 OF 3	

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PLOTTED: Wednesday, August 21, 2013 AT 05:11 PM
FILE: P:\09-002 TEDD\Task 135 MD 117 Signal\Drawings\CADD\Working\9_MD117@MD124\PSG-P002_MD117@MD124.dgn