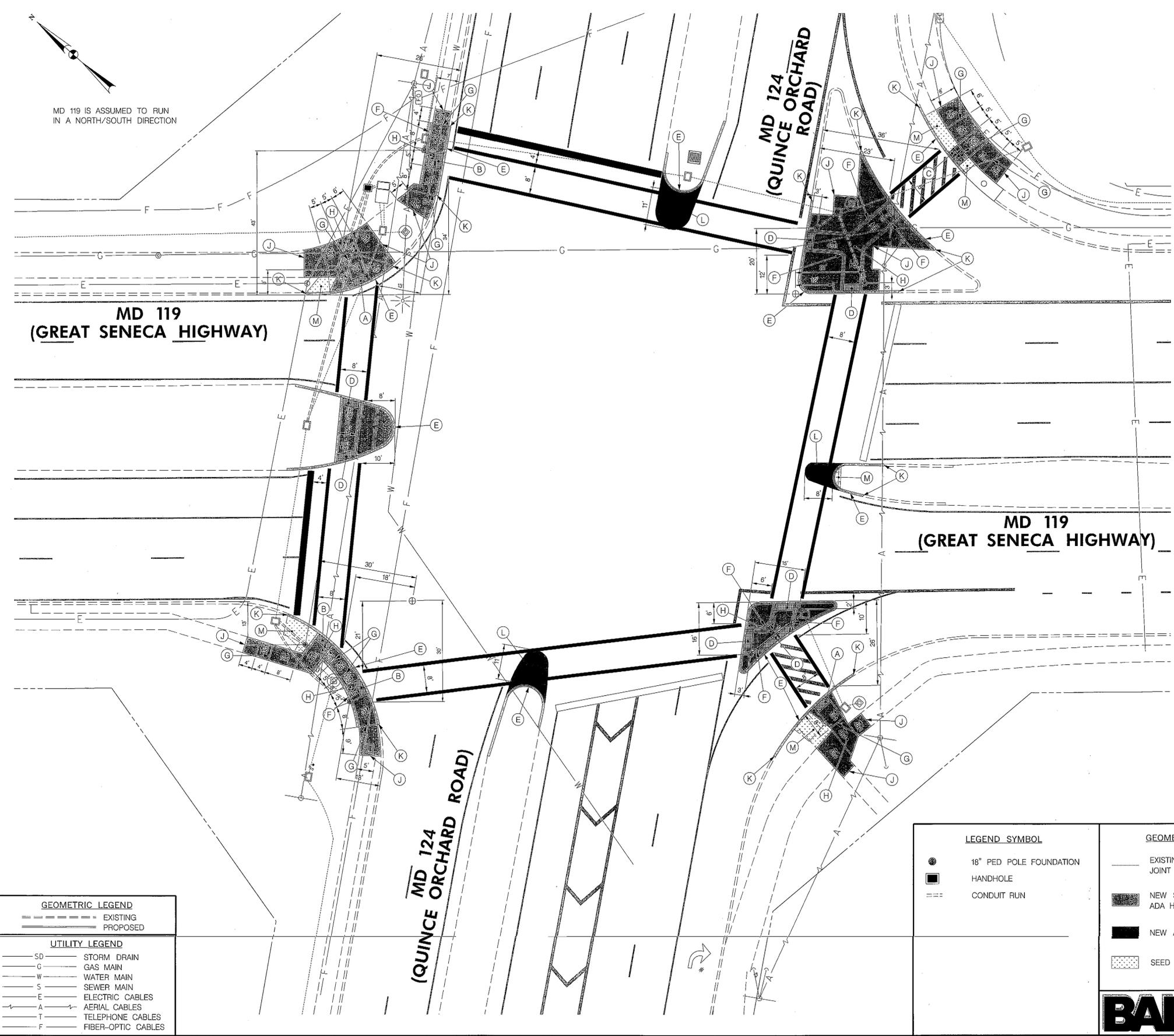


MD 119 IS ASSUMED TO RUN  
IN A NORTH/SOUTH DIRECTION



**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.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.
- APS WILL FUNCTION AS FOLLOWS:
  - TO CROSS MD 124 AT MD 119 (APS# 23-26)
    - A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:  
"WAIT TO CROSS QUINCE ORCHARD AT GREAT SENECA, 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 119 AT MD 124 (APS# 19-22)
    - A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:  
"WAIT TO CROSS GREAT SENECA AT QUINCE ORCHARD, 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 PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- INSTALL COMBINATION SIDEWALK RAMP (STANDARD NO. MD 655.13) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- INSTALL CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- 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).
- INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02) (SLOPE OF CURB TO MATCH SIDEWALK GRADE).
- 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.
- CUT BACK MEDIAN AND FILL WITH ASPHALT.
- BACKFILL WITH SEED AND MULCH.

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
■	HANDHOLE
---	CONDUIT RUN

GEOMETRIC LEGEND	
---	EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
■	NEW SIDEWALK AND ADA HANDICAP RAMP
■	NEW ASPHALT
■	SEED AND MULCH

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 119 (GREAT SENECA HIGHWAY) AT  
MD 124 (QUINCE ORCHARD ROAD)  
GAITHERSBURG, MD

GEOMETRIC PLAN SHEET			
SCALE 1" = 15'		ADVERTISED DATE 03/2013	CONTRACT NO. XY1515185
DESIGNED BY CW	COUNTY MONTGOMERY		
DRAWN BY CW	LOGMILE 15011902.57		
CHECKED BY RM	TIMS NO. L803		
F.A.P. NO.	TOD NO.		
TS NO. 3523-F	DRAWING SG-2	OF 2	SHEET NO. 2 OF 3

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