



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

CLOPPER MILL DRIVE

MD 119 NB
(GREAT SENECA HIGHWAY)

MD 119 SB
(GREAT SENECA HIGHWAY)

RICHTER FARM ROAD

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

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 119 AT CLOPPER MILL DRIVE (APS# 38.44)

- WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS GREAT SENECA AT CLOPPER MILL, 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 119 AT RICHTER FARM ROAD (APS# 37.47)

- WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS GREAT SENECA AT RICHTER FARM, 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 CLOPPER MILL DRIVE AT MD 119 (APS# 63.66)

- WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS CLOPPER MILL AT GREAT SENECA, 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 RICHTER FARM ROAD AT MD 119 (APS# 75.81)

- WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS RICHTER FARM AT GREAT SENECA, 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 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 (STANDARD NO. MD 620.02), (ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
- INSTALL STANDARD TYPE C COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02-01), (ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
- INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02), (ELEVATION 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.

LEGEND SYMBOL	
	18" PED POLE FOUNDATION
	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
CLOPPER MILL DRIVE/RICHTER FARM ROAD
GERMANTOWN, MD

GEOMETRIC PLAN SHEET			
SCALE 1" = 10' ADVERTISED DATE 03/2013 CONTRACT NO. XY1515185			
DESIGNED BY	DM	COUNTY	MONTGOMERY
DRAWN BY	DM	LOGMILE	15011905.24
CHECKED BY	RM	TIMS NO.	L803
F.A.P. NO.		TOD NO.	
TS NO. 4109-C	DRAWING SG-2	OF 2	SHEET NO. 2 OF 3

BAI BRUDIS & ASSOCIATES, INC.
Consulting Engineers

9240 Rumney Road, Suite C
Columbia, Maryland 21045
Phone 410-294-3807
www.brudis.com

BY: fanyong