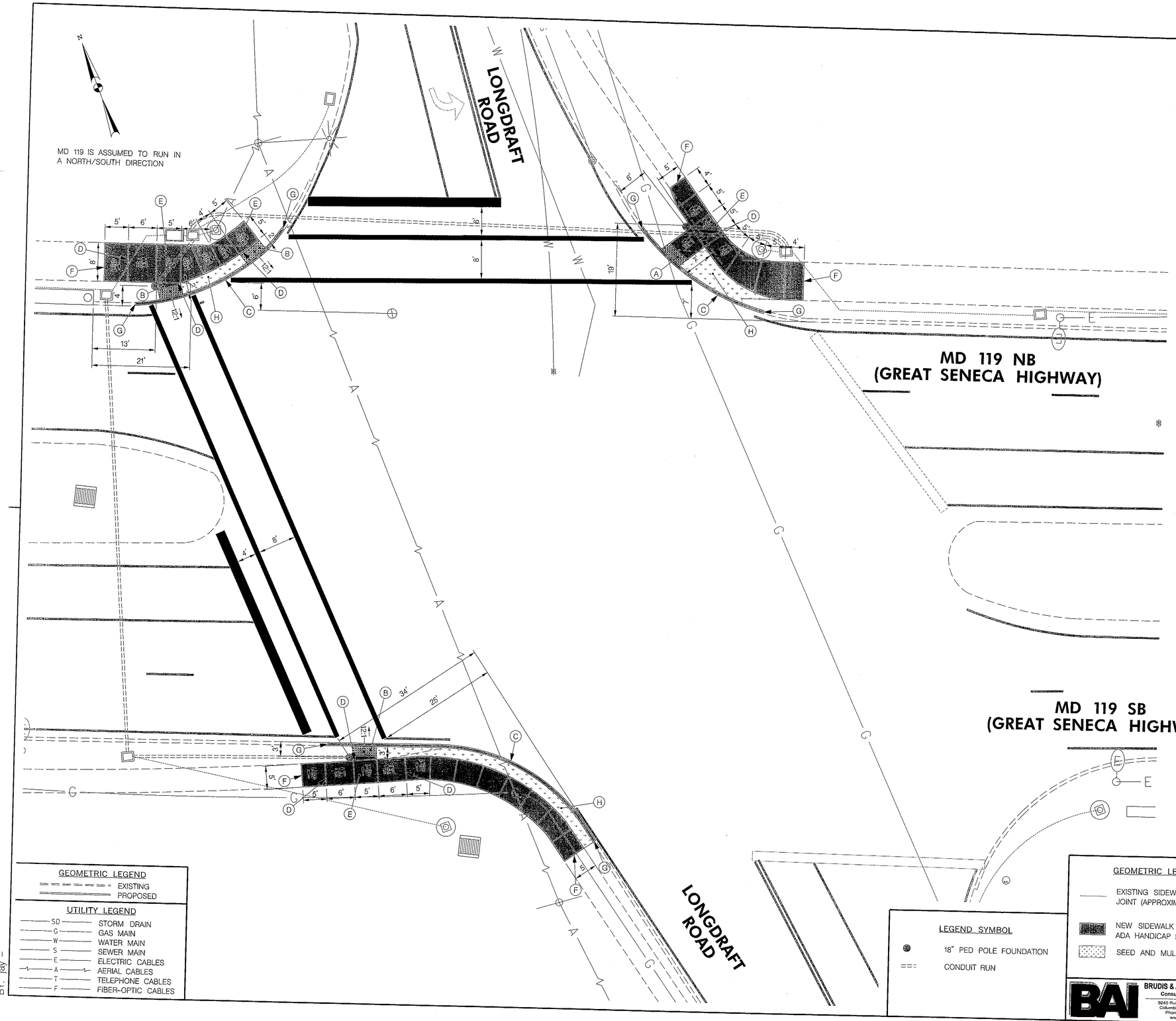

APS NOTES:

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 119 AT LONGDRAFT ROAD (APS# 9,10)

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 LONGDRAFT, 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 LONGDRAFT ROAD AT MD 119 (APS# 11,12)

A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS LONGDRAFT 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.

GEOMETRIC CONSTRUCTION DETAILS:

A. INSTALL PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11). WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
B. INSTALL COMBINATION SIDEWALK RAMP (STANDARD NO. MD 655.13). WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.11).
C. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER 12" GUTTER PAN AND 8" DEPTH (STANDARD NO. MD 620.02) (ELEVATION 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.

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

EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
NEW SIDEWALK AND ADA HANDICAP RAMP
SEED AND MULCH

BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9240 Rumsey Road; Suite C
Columbia, Maryland 21045
Phone 410-884-3607
www.brudis.com

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

GEOMETRIC PLAN SHEET

SCALE 1" = 10' ADVERTISED DATE 03/2013 CONTRACT NO. XY1515185

DESIGNED BY DM
DRAWN BY DM
CHECKED BY RM
F.A.P. NO.

COUNTY MONTGOMERY
LOGMILE 15011903.07
TIMS NO. L803
TOD NO.

TS NO. 10685A DRAWING SG-2 OF 2 SHEET NO. 2 OF 3

PLOTTED: Friday, March 22, 2013 AT 12:00 PM
FILE: P:\09-002 TEDD\Task 107 MD 119 Signals\Drawings\CADD\Working\MD119@Longdraft\pSG-P002_MD119@Longdraft.dgn

BY: jay