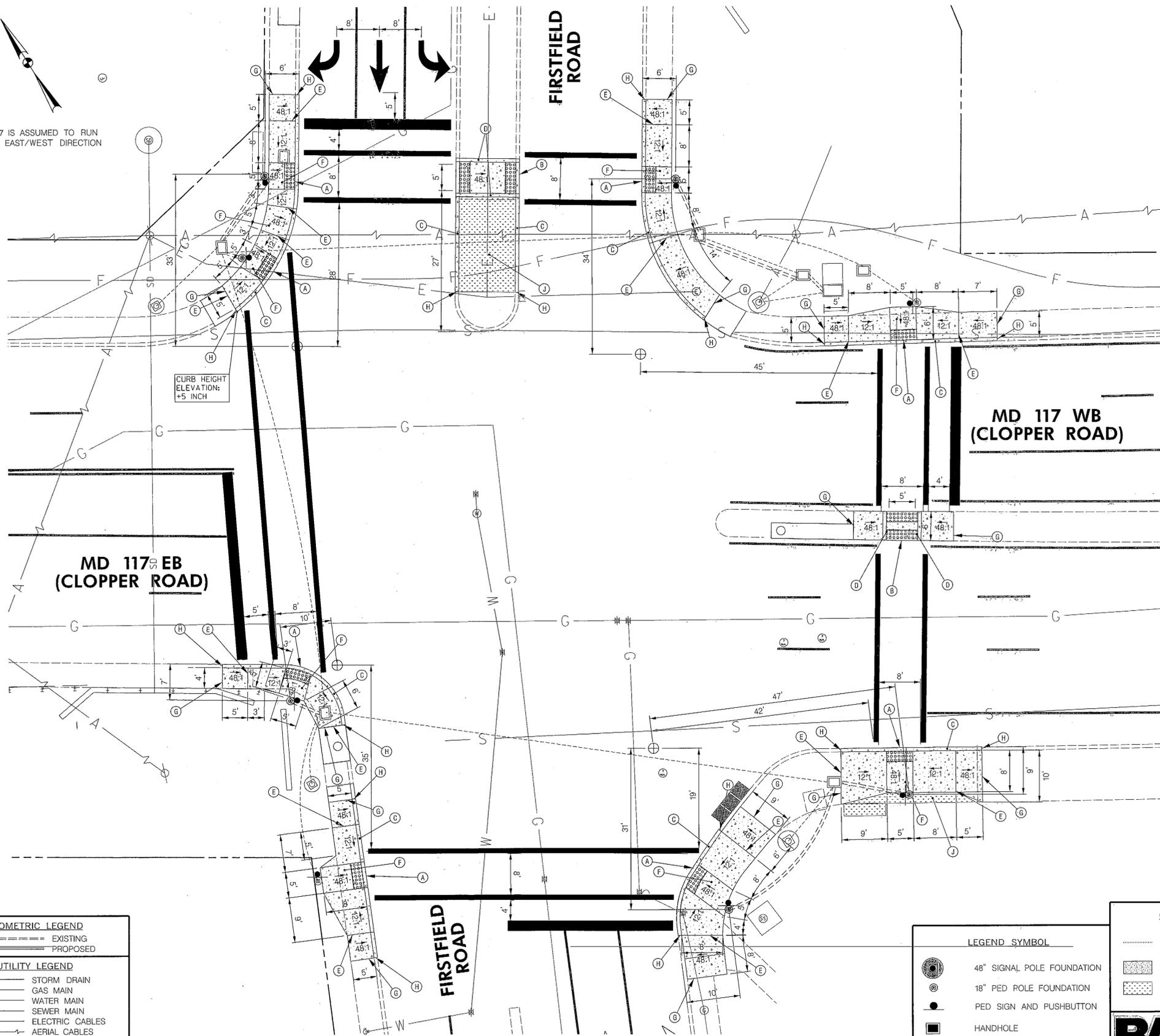


MD 117 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION



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.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.
5. APS WILL FUNCTION AS FOLLOWS:

TO CROSS CLOPPER ROAD AT FIRSTFIELD ROAD

- A. 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 FIRSTFIELD, 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 FIRSTFIELD ROAD AT CLOPPER ROAD

- A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS FIRSTFIELD AT CLOPPER, 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 PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12).
- B. INSTALL CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21).
- C. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER. (STANDARD NO. MD 620.02)
(NOTE: ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
- D. INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02).
- E. BEGIN 12:1 RAMP.
- F. 48:1 LEVEL LANDING AREA.
- G. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- H. TIE NEW CURB TO EXISTING CURB AT JOINT.
- J. BACKFILL WITH SEED AND MULCH (CLASS 2 EXCAVATION).

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

- ⊙ 48" SIGNAL POLE FOUNDATION
- ⊙ 18" PED POLE FOUNDATION
- PED SIGN AND PUSHBUTTON
- HANDHOLE
- == CONDUIT RUN

GEOMETRIC LEGEND

- EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
- NEW CONCRETE
- SEED AND MULCH (CLASS 2 EXCAVATION)



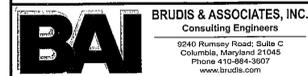
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD ROUTE 117 (CLOPPER ROAD)
AND FIRSTFIELD ROAD
GAITHERSBURG, MD

GEOMETRIC PLAN SHEET

SCALE 1" = 10' ADVERTISED DATE 08/2013 CONTRACT NO. XY2385185

DESIGNED BY DB COUNTY MONTGOMERY
DRAWN BY DB LOGMILE 15011711.08
CHECKED BY RM TMS NO. M055
F.A.P. NO. TOD NO.

TS NO. 20282-DE DRAWING SG-2 OF 3 SHEET NO. 2 OF 3



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BY: fanyong