

MD 70 (ROWE BOULEVARD) 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' SEPERATION 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 PUS BUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 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:
 FOR ROWE BOULEVARD
 A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS ROWE BOULEVARD."
 B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.
 FOR MELVIN AVENUE
 A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS MELVIN AVENUE."
 B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.
 FOR FARRAGUT ROAD
 A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS FARRAGUT ROAD."
 B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

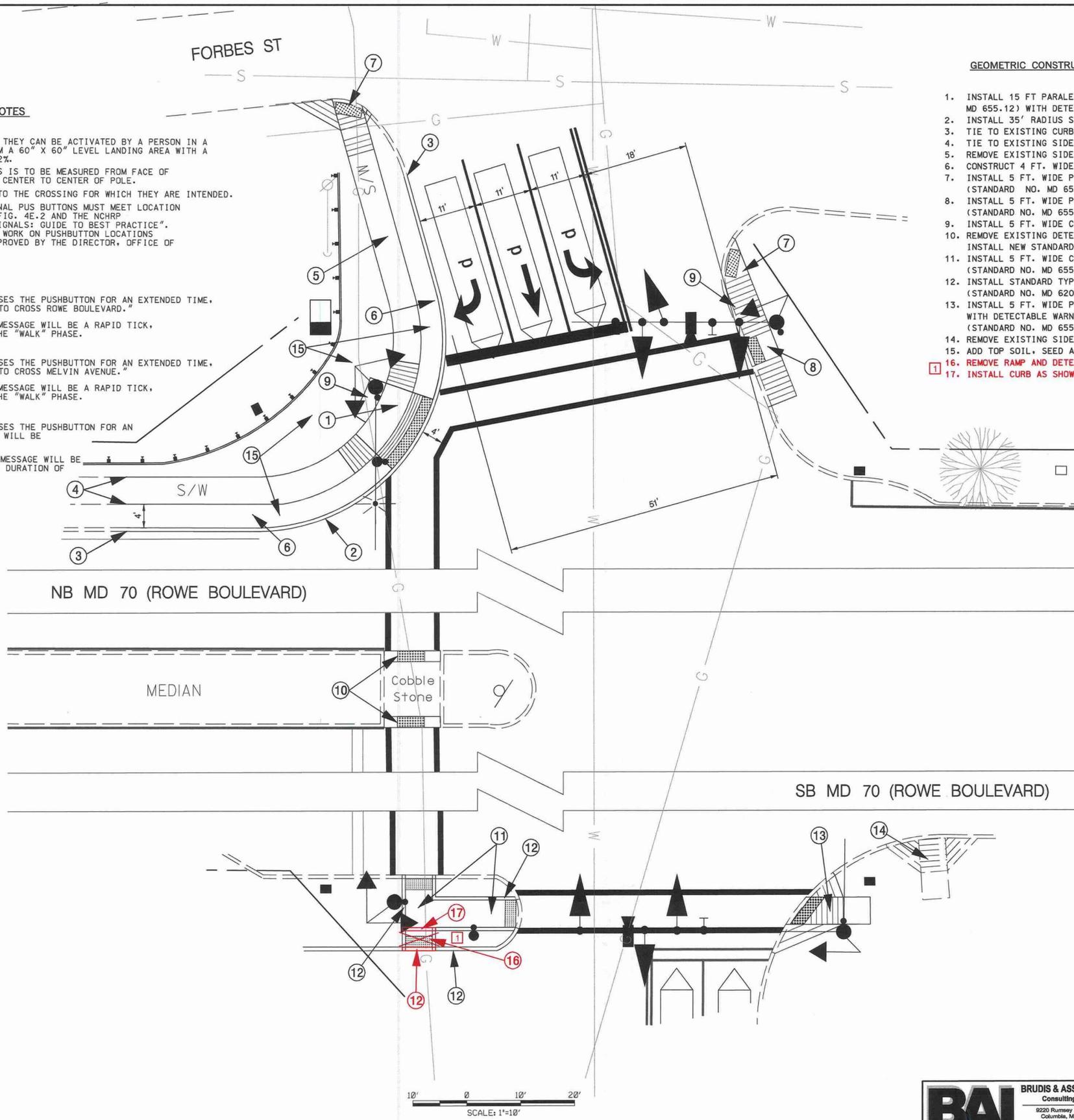
GEOMETRIC CONSTRUCTION DETAILS

1. INSTALL 15 FT PARALELL SIDEWALK RAMPS (STANDARD NO. MD 655.12) WITH DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
2. INSTALL 35' RADIUS STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
3. TIE TO EXISTING CURB AND GUTTER.
4. TIE TO EXISTING SIDEWALK.
5. REMOVE EXISTING SIDEWALK, RAMP AND CURB. INSTALL 5 FT. WIDE CONCRETE SIDEWALK.
6. CONSTRUCT 4 FT. WIDE GRASS BUFFER.
7. INSTALL 5 FT. WIDE PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11).
8. INSTALL 5 FT. WIDE PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) WITH DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
9. INSTALL 5 FT. WIDE CONCRETE SIDEWALK.
10. REMOVE EXISTING DETECTABLE WARNING SURFACE, INSTALL 24"x 60" CONCRETE SECTION 5" DEEP. INSTALL NEW STANDARD DETECTABLE WARNING SURFACE.
11. INSTALL 5 FT. WIDE CUT-THROUGH ISLAND OPENING. (STANDARD NO. MD 655.21) WITH DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
12. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
13. INSTALL 5 FT. WIDE PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11) WITH DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
14. REMOVE EXISTING SIDEWALK RAMP. INSTALL CURB AND CONCRETE SIDEWALK.
15. ADD TOP SOIL, SEED AND MULCH ALL DISTURBED AREAS.
16. REMOVE RAMP AND DETECTABLE WARNING SURFACE. BACKFILL SEED AND MULCH.
17. INSTALL CURB AS SHOWN TO CLOSE RAMP BEING REMOVED.

**1 RED LINE REVISION NO. 1
8/18/2010**

**REMOVE RAMP AND INSTALL
CURB TO CLOSE RAMP**

TEDD APPROVAL: [Signature] 9/14/2010



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

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SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
**MD 70 (ROWE BOULEVARD)
 AT MELVIN AVENUE / FARRAGUT ROAD**
 GEOMETRIC IMPROVEMENT DETAILS
 SCALE 1"=20' DATE May, 2008 CONTRACT NO AA-071X-000-585
 DESIGNED BY J.B. COUNTY ANNE ARUNDEL
 DRAWN BY X.Q. LOGMILE 02007000.98
 CHECKED BY J.B. T.I.M.S. NO. 1447
 F.A.P. NO. TOD NO.
 DRAWING NO. TS-1198J SHEET NO. 2 OF 3

BY: XIADYU