BRIGGS CHANEY ROAD IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

16 PUSH BUTTON TO CROSS Briggs Chaney Rd. — R10-3(1) 9" x 15"
17 PUSH BUTTON TO CROSS Briggs Chaney Rd. — R10-3(1) 9" x 15"
18 PUSH BUTTON TO CROSS Gentry Ridge Ct. — R10-3(1) 9" x 15"
19 PUSH BUTTON TO CROSS Gentry Ridge Ct. — R10-3(1) 9" x 15"
20 PUSH BUTTON TO CROSS MD 200 Ramp — R10-3(1) 9" x 15"
21 PUSH BUTTON TO CROSS MD 200 Ramp — R10-3(1) 9" x 15"

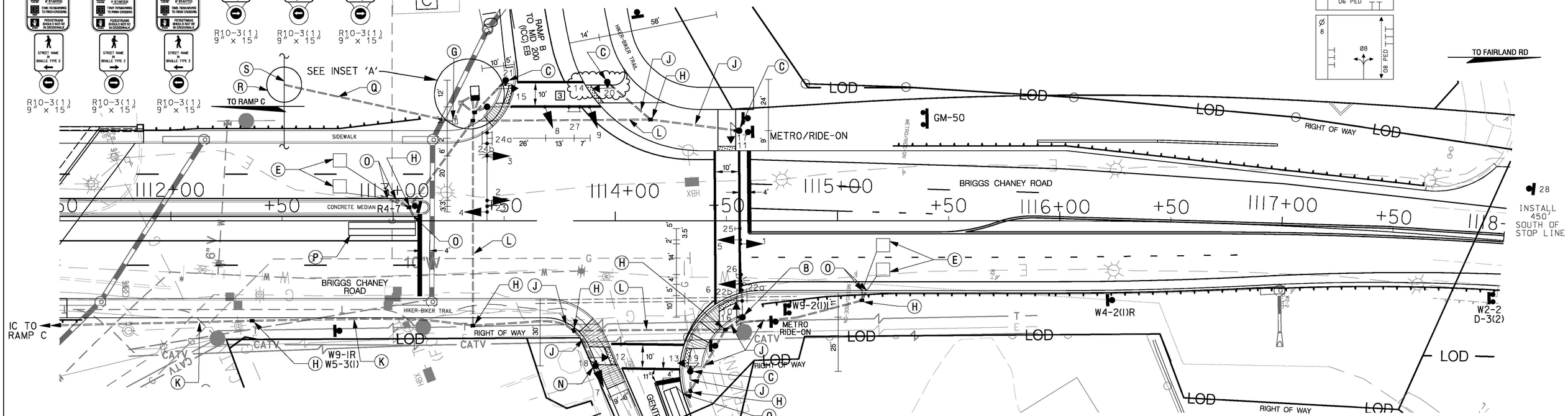
22a Gentry Ridge Ct — D-3(2) (84"x16") DUAL FACE
22b Gentry Ridge Ct — D-3(2) (84"x16")
23,25 ONLY — R3-5(L) (30"x36")
26 LANE ENDS MERGE LEFT — W9-2(4) (30"x42")
28 FLUORESCENT ORANGE TOP, NEW — W16-14 (24x24") — W3-3 (36x36")
24a TOLL MARYLAND 200 EAST — M1-5(3)(MOD) (78"x24")
24b EAST MARYLAND 200 TOLL — M1-5(3)(MOD) (78"x24")
27 Briggs Chaney RD 3200 — D-3(1) (108x16")

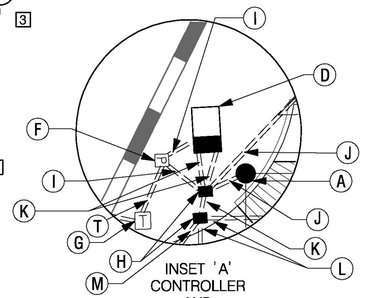
PROPOSED SIGNALS

1,2,3 6,7,8,9 — 12" LED
4,5 — 12" LED
10,11,12 13,14,15 — 12" LED COUNTDOWN PEDESTRIAN SIGNAL

PHASING

Ø 1 & 6 — Ø1, Ø6, 06 PED
Ø 2 & 6 — 02 PED, Ø2, Ø6, 06 PED
Ø 8 — Ø8, 08 PED





CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH DUAL 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE WITH PHOTOCELL (NOTE: 1-2 IN. AND 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A 50 FT. MAST ARM WITH COUNTDOWN PEDESTRIAN SIGNAL, APS PUSHBUTTON AND SIGN, SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE WITH PHOTOCELL (NOTE: 1-2 IN. AND 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL, APS PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). [3]
D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: 2-4 IN. PVC, AND 2-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
E. INSTALL 6 FT. X 6 FT. QUADRUPOLE TYPE (4 TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. AND 1-4 IN. 90-DEG. PVC SCHEDULE 80 BENDS).
G. STUB UP 4-2 IN. PVC SCHEDULE 80 PVC CONDUITS WITH PULL STRINGS AT BASE OF PROPOSED BGE PAD-MOUNTED TRANSFORMER. BGE TO FURNISH AND INSTALL PAD FOR TRANSFORMER. SERVICE CABLE FROM TRANSFORMER TO METERED PEDESTAL TO BE PROVIDED BY BGE. [3]
H. INSTALL HANDHOLE.
I. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 2-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
N. INSTALL CONCRETE FOUNDATION WITH 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, SIGNAL HEAD, COUNTDOWN PEDESTRIAN SIGNAL, APS PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
O. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
P. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE (3-6-3 TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
Q. 2-4 IN. PVC SCHEDULE 80 CONDUITS WITH PULL STRINGS. SERVICE CABLE TO BE PROVIDED BY BGE.
R. BGE TO LOCATE, UNCOVER AND MAKE SPLICE FOR SERVICE CABLES TO PAD MOUNT TRANSFORMER. SERVICE TO BE PROVIDED BY BGE.
S. SERVICE CABLE FOR BGE SERVICE #3 PROVIDED BY BGE.
T. 2-4 IN. PVC SCHEDULE 80 CONDUIT WITH PULL STRINGS. ONE CONDUIT IS A SPARE AND CAN BE STUBBED BELOW GRADE AT BASE OF METERED PEDESTAL. SERVICE CABLES TO BE PROVIDED BY BGE.

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD SD STORM DRAIN
G G GAS MAIN
W W WATER MAIN
S S SEWER MAIN
E E ELECTRIC CABLES
A A AERIAL CABLES
T T TELEPHONE CABLES
F F FIBER-OPTIC

GENERAL NOTES

1. ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. FOR FINAL PAVEMENT MARKINGS AND GROUND-MOUNTED SIGNS, REFER TO THE SIGNING AND PAVEMENT MARKING PLANS. MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. PUSHBUTTONS TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"X60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
5. THE 10' SEPERATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE.
6. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
7. LOCATION OF ACCESSIBLE PEDESTRAIN SIGNAL PUSHBUTTONS 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 AND CONTACT MR. KAMAL HAMUD OF MONTGOMERY COUNTY 240-777-8761.

IC3
NOV 08 2010
Release for Construction

[3] 61810 - ADJUSTED PUSHBUTTON AND CONSTRUCTION DETAILS

NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: JRS	DATE 09-28-09	
DRAWN BY: JRS	DATE 09-28-09	
CHECKED BY: DSU	DATE 09-28-09	
DRAWING NO.: SG-1.1		

Approved: _____
Chief, Div. of Traffic Engineering and Operations

Reviewed: _____
Manager, Traffic Engineering Studies

Reviewed: _____
Manager, Transportation Systems Engineering

Recommended: _____
Engineer, Transportation Systems Engineering

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC ENGINEERING & OPERATIONS
MONTGOMERY COUNTY, MARYLAND

MD 200 EB RAMP "B" AT
BRIGGS CHANEY ROAD

BRIGGS CHANEY RD AT MD 200 (ICC) E RAMP/GENTRY RD

SCALE : 1"= 20'

TS 10697