MD 3 BUSINESS IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING VIDEO DETECTION CAMERAS TO REMAIN

a,b,c

EXISTING OPTICOM TO REMAIN

20

EXISTING SIGNALS TO REMAIN

1,2,3, 6,7 — 4,5,8, 9,11,13 — 10,12

12" 12" 12"

EXISTING SIGNS TO BE REMOVED

25a,27a — 29a,37a

R10-4(1) (9"x12") — W11-2 (36"x36")

PROPOSED LED SIGNALS

14,15,16, 17,18,19

16" COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNALS TO BE REMOVED

14a,15a,16a, 17a,18a,19a

12"

PROPOSED SIGNS

21,23 — 22,24 — 25 — 26 — 27 — 29,37 — 33,36

R10-3(1) (9"x15") W/ APS — R10-3(1) (9"x15") W/ APS — R10-3(1) (9"x15") W/ APS — R10-3(1) (9"x15") W/ APS — R10-3(1) (9"x15") W/ APS

W11-2 (36"x36") W16-7pL (24"x12") — W11-2 (36"x36") W16-7pR (24"x12")

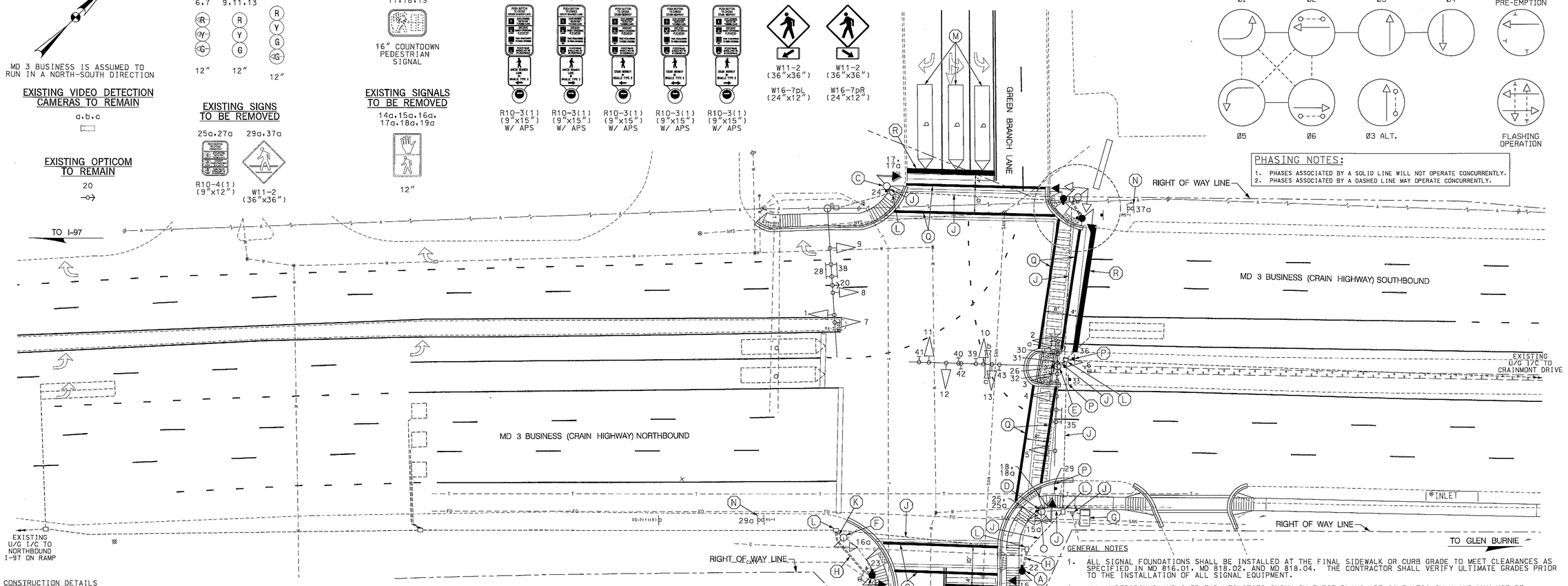
NEMA PHASING

Ø1 Ø2 Ø3 Ø4 — FIREHOUSE PRE-EMPTION

Ø5 Ø6 Ø3 ALT. — FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01). COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS GREEN BRANCH LANE") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 599+27, 39' RT.; STA 599+87, 37' RT.; 600+04, 113' LT.)

B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD 801.01-01). COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS CRAIN HIGHWAY") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). (STA 600+12, 105' LT.)

C. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD (POLE-MOUNTED), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS GREEN BRANCH LANE").

D. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, AND SIGN. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD (POLE-MOUNTED), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS CRAIN HIGHWAY").

E. USE EXISTING SIGNAL POLE. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS CRAIN HIGHWAY").

F. REMOVE EXISTING POLE AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

G. USE EXISTING BASE MOUNTED CABINET/CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.

H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

J. USE EXISTING CONDUIT.

K. CAP AND ABANDON EXISTING CONDUIT.

L. USE EXISTING HANDHOLE.

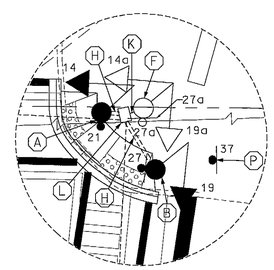
M. ADJUST EXISTING VIDEO DETECTION ZONE. SEE GENERAL NOTE 14.

N. REMOVE EXISTING SIGN AND SUPPORT.

P. INSTALL GROUND MOUNTED SIGN ON ONE 4"x6" WOOD SUPPORT.

Q. REMOVE EXISTING PAVEMENT MARKINGS. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.

R. REMOVE EXISTING PAVEMENT MARKINGS. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.



SCALE: 1" = 10'

0 10 20 40

SCALE: 1" = 20'

GENERAL NOTES

1. ALL SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE TO MEET CLEARANCES AS SPECIFIED IN MD 816.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. ALL UNUSED SIGNAL CABLE SHALL BE PROPERLY REMOVED AND DISPOSED.
4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTIONS 4E.08 AND 4E.10 AND FIGURES 4E-3 AND 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. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 INCHES FROM A 60-INCH BY 60-INCH LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2 PERCENT.
6. THE 10-FOOT SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF THE PUSHBUTTON TO THE FACE OF PUSHBUTTON, NOT FROM CENTER OF POLE TO CENTER OF POLE.
7. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
8. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
9. REMOVE AND DISPOSE OF ALL UNUSED CABLE.
10. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
11. ALL CROSSWALKS SHALL BE CENTERED TO THE PROPOSED SIDEWALK RAMPS.
12. REFER TO DETAIL SHEET (SHEET NO. 3) FOR CURB RAMP DETAILS.
13. REFER TO THE ROADWAY PLAN SHEET (SHEET NO. 4) FOR ALL SIGN RELOCATIONS RESULTING FROM SIDEWALK CONSTRUCTION.
14. CONTRACTOR TO CONACT SHA SIGNAL SHOP FOR VIDEO CAMERA DETECTION ADJUSTMENTS.

EXISTING SIGNS TO REMAIN

28/38,34/35 — 30,32,39 — 31 — 40,42 — 41,43

Green Branch LN — Green Branch LN — ONLY — — ONLY

D-3(1) (VARIABLEX16") DUAL FACED — R3-5(L) (30"x36") — R4-7 (24"x30") — R3-6(L) (30"x36") — R3-5(R) (30"x36")

McCormick Taylor
Engineers & Planners Since 1946
509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: bshanover

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

UTILITY LEGEND
- STORM DRAIN
- GAS MAIN
- WATER MAIN
- SEWER MAIN
- ELECTRIC CABLES
- AERIAL CABLES
- TELEPHONE CABLES
- FIBER-OPTIC

APPROVALS: TEAM LEADER — ASST. DIV. CHIEF — DIVISION CHIEF — OFFICE DIRECTOR — ORIGINAL ON FILE

REVISIONS

F	UPGRADE SIGNAL WITH APS AND CPS			10/16/2012 SHA NO. A0646378 TMS NO. L639		
USH	NMO	W	RDP		CJW	
E	ADD INTERSECTION LIGHTING			05/08/2009 SHA NO. X0415185		
SRB	NML					
D	INSTALL OPTICOM SR/ BGS "MD 3"			03/10/2007 SHA NO. A7035185 TMS NO. I341		
JNW/SWA	SMH	JAH	DAZ		BRK	

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 3 BUSINESS (CRAIN HIGHWAY) AT GREEN BRANCH LANE

GLEN BURNIE, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 09/1993 CONTRACT NO. 23855T2507622

DESIGNED BY J.L.H. — COUNTY ANNE ARUNDEL
DRAWN BY J.L.H. — LOGMILE 02800300.80
CHECKED BY K.W.S. — T.I.M.S. NO.
F.A.P. NO. — T.O.D. NO.

T.S. NO. 3383F — SG-01 OF SG-02 — SHEET NO. 6 OF 7

PLOTTED: Tuesday, October 16, 2012 AT 11:11 AM
FILE: I:\0212 - tedd\28 - ada topa\design\engineering\planset\Submittal 10\MD 3 Bus at Green Branch\psSG-P001_TS3383F.dgn