MD 2 IS CONSIDERED TO RUN IN AN NORTH/SOUTH DIRECTION

PROPOSED SIGNS

17,21 — R4-7 (24" x 30")

20 — NORTH / MARYLAND / 2 — M3-1 (24" x 12") MI-5X (24" x 24")

26a — NORTH 2 SOUTH — MI-5(3) 78" x 24"

26b — SOUTH 2 NORTH — MI-5(3) 78" x 24"

25,28 — ONLY — R3-5L (30" x 36")

19,23 — ONLY — R3-5R (30" x 36")

18,22 — Georgia AVE — D-3(I) (DUAL FACED) (VARIABLE x 16")

24,27 — Gov. Ritchie HWY — D-3(I) (DUAL FACED) (VARIABLE x 16")

EXISTING SIGNALS/SIGNS

13p,14p — PUSH BUTTON TO CROSS GOVERNOR RITCHIE HWY — RIO-3(I)

15p,16p — PUSH BUTTON TO CROSS GOVERNOR RITCHIE HWY

13,14,15,16 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED SIGNALS

1,2,5,6 — R, Y, G — 12"

3,4,7-12 — R, Y, G — 12"

a,b,c,d,e

VIDEO DETECTION CAMERA

VIDEO DETECTION ZONE

NEMA PHASING

02 01 04 Alt 04

05 06 08

FLASHING OPERATION

NEMA NOTES:

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
3. PHASE 1 IS TO SEQUENCE AS A LAG LEFT TURN.

CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH TWIN 50' x 70' MAST ARMS, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS, SIGNS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).

B. DISCONNECT THE INTERCONNECT CABLE FROM CONTROLLER AND PULL-BACK, COIL AND STORE IN HANDHOLE: TO BE RE-ROUTED TO THE NEW CONTROLLER. INSTALL NEW FRAME AND COVER TO EXISTING HANDHOLE

C. INSTALL 100 AMP METERED SERVICE PEDESTAL WITH 4" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED TO THE BASE OF UTILITY POLE NO. 321546. PROVIDING 1' STUB AND PULL STRING FOR BG&E TO SUPPLY SERVICE.

D. INSTALL NEMA CONTROLLER. ALL NECESSARY EQUIPMENT HOUSED IN SIZE '6' BASE-MOUNTED CABINET.

E. USE EXISTING PEDESTRIAN PEDESTAL AND EQUIPMENT. INSTALL 2" 90° PVC BEND INTO BASE AND REWIRE.

F. REMOVE EXISTING HANDHOLE. CAP AND ABANDON CONDUIT AFTER SIGNAL MODIFICATION IS COMPLETE.

G. INSTALL ELECTRICAL HANDHOLE.

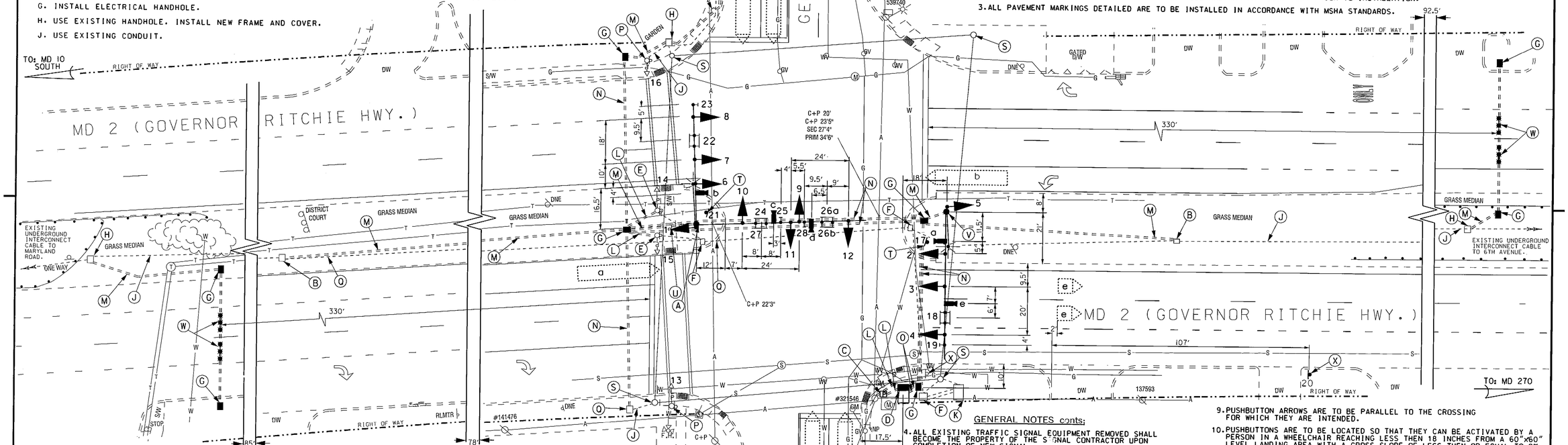
H. USE EXISTING HANDHOLE. INSTALL NEW FRAME AND COVER.

J. USE EXISTING CONDUIT.

CROSSROADS

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.



CONSTRUCTION DETAILS cont's.

K. DISCONNECT EXISTING INTERCONNECT CABLES (TO BE PULLED BACK) FROM THE CONTROLLER. (SHA FORCES SHALL REMOVE THE 2-WIRE CENTRAL CONTROL UNIT). REMOVE EXISTING CONTROLLER/CABINET AND OVERHEAD SERVICE FEED. CABINET FOUNDATION WILL BE REMOVED 12" BELOW GROUND GRADE.

L. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

M. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED

N. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- BORED.

O. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

P. USE EXISTING PEDESTAL POLES AND EQUIPMENT. REWIRE WITH NEW CABLES.

Q. USE EXISTING HANDHOLE.

R. REMOVE EXISTING HANDHOLE. INSTALL HANDHOLE INTO EXISTING CONDUIT. USE EXTREME CARE TO PROTECT THE PULLED-BACK INTERCONNECT CABLE. THEN RE-ROUTED CABLE THROUGH NEW CONDUIT TO NEW CONTROLLER/CABINET.

S. REMOVE EXISTING POLE, ALL ATTACHED EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE. CAP AND ABANDON EXISTING CONDUIT.

T. REMOVE EXISTING SIGNS & RE-INSTALL ON NEW WOOD SUPPORTS. (THE R4-7 @ 15").

U. REMOVE AND REPLACE EXISTING SIDEWALK FOR INSTALLATION OF CONDUIT.

V. INSTALL 27' STEEL POLE WITH 60' MAST ARM, LED SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).

W. INSTALL NON-INVASIVE PROBES WITHIN BORED 3" SCHEDULE 80 RIGID PVC CONDUIT. LEAD-IN CABLE TO CONTROLLER.

X. REMOVE EXISTING SIGN AND RE-LOCATE THE NEW SIGN AND SUPPORT, AS SHOWN.

GENERAL NOTES cont's:

4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF NEW SIGNAL.
5. ALL THE PROPOSED LUMINAIRE SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO APPROPRIATE TERMINAL AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
10. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THEN 18 INCHES FROM A 60"x60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THEN OR EQUAL TO 2%.
11. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTON 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.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

BY: $USERNAME$

CENTURY ENGINEERING
CONSULTING ENGINEERS – PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'H' PROJECT NO. 26265.16

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

REVISIONS

11	AS-BUILT. RECONTR. TO MAST ARM VIDEO DET. MAINT. EXT PED EQUIP SHA # AA2615168 CIMS # J661		5/5/2009	
EMM				
6	INSTALL APS/CPS HEADS AND CROSSWALK ACROSS THE SOUTH LEG SHA NO. AT3365165 TIMS NO. I 192		8/2007	
HO	DJD	MAR	WH	TH

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

MD 2 AT GEORGIA AVENUE
GLEN BURNIE, MARYLAND

TRAFFIC CONTROL SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 10-22-1973 CONTRACT NO. AA887-2-585

DESIGNED BY
DRAWN BY J.G., W.R. & B.J.
CHECKED BY
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE 02000236.66
TIMS NO. J661
TOD NO.

TS NO. 663H | DRAWING 1 OF 2 | SHEET NO. 16 OF 31

PLOTTED: $DATETIME$
FILE: $FILE$