MD 103 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

PROPOSED LED SIGNALS

1,2,4,5,6 — R, Y, G — 12"
3 — R, Y, G, G — 12"
7,8 — R, R — 12"

PROPOSED VIDEO DETECTION

a,b,c

PROPOSED SIGNS

12 — WEST / MARYLAND 103 — SHIELD ASSEMBLY (48"x75")

13 — EAST / MARYLAND 103 — SHIELD ASSEMBLY (30"x51")

EXISTING SIGNS TO BE REMOVED

9 — LEFT TURN YIELD ON GREEN

EXISTING SIGNS TO REMAIN

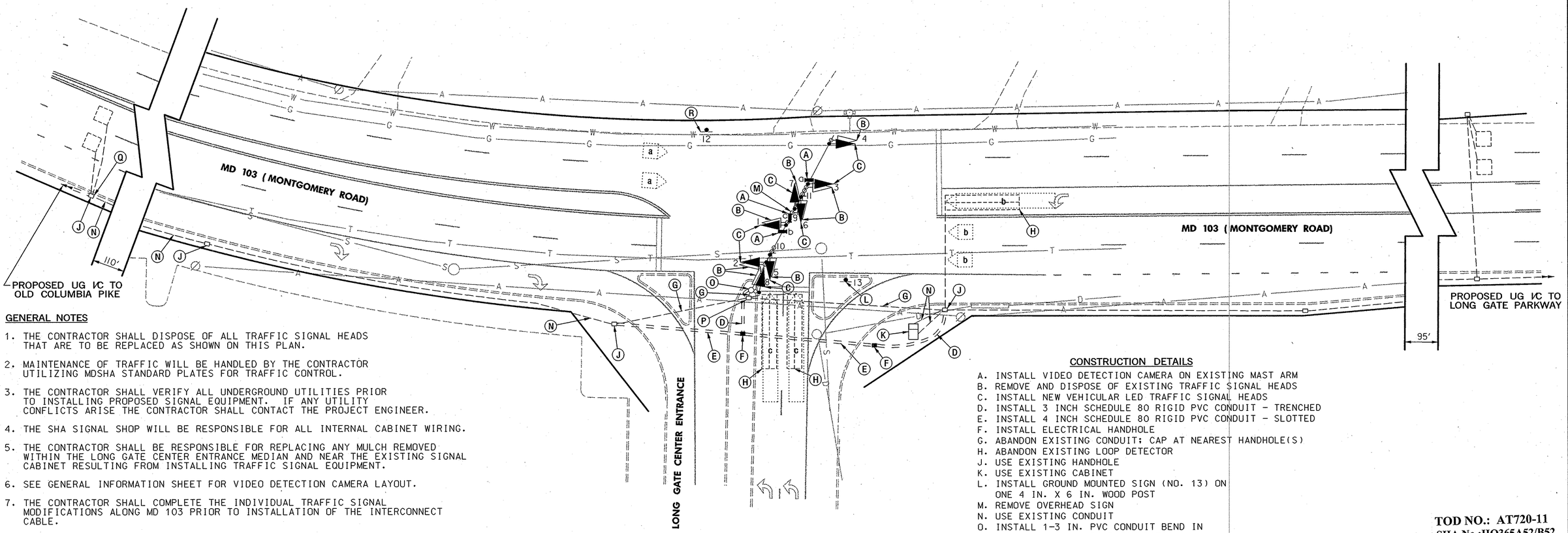
10,11 — ONLY

NEMA PHASING

Ø2, Ø4, Ø5, Ø6

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



GENERAL NOTES

1. THE CONTRACTOR SHALL DISPOSE OF ALL TRAFFIC SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
4. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY MULCH REMOVED WITHIN THE LONG GATE CENTER ENTRANCE MEDIAN AND NEAR THE EXISTING SIGNAL CABINET RESULTING FROM INSTALLING TRAFFIC SIGNAL EQUIPMENT.
6. SEE GENERAL INFORMATION SHEET FOR VIDEO DETECTION CAMERA LAYOUT.
7. THE CONTRACTOR SHALL COMPLETE THE INDIVIDUAL TRAFFIC SIGNAL MODIFICATIONS ALONG MD 103 PRIOR TO INSTALLATION OF THE INTERCONNECT CABLE.
8. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
9. REWIRE EXISTING TRAFFIC SIGNAL EQUIPMENT PER WIRING DIAGRAM.
10. THE CONTRACTOR IS TO INSTALL SIGN #13 SO AS NOT TO DISTURB EXISTING PLANTINGS IN THE ISLAND.

CONSTRUCTION DETAILS

A. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM
B. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL HEADS
C. INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEADS
D. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
E. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
F. INSTALL ELECTRICAL HANDHOLE
G. ABANDON EXISTING CONDUIT; CAP AT NEAREST HANDHOLE(S)
H. ABANDON EXISTING LOOP DETECTOR
J. USE EXISTING HANDHOLE
K. USE EXISTING CABINET
L. INSTALL GROUND MOUNTED SIGN (NO. 13) ON ONE 4 IN. X 6 IN. WOOD POST
M. REMOVE OVERHEAD SIGN
N. USE EXISTING CONDUIT
O. INSTALL 1-3 IN. PVC CONDUIT BEND IN EXISTING SIGNAL POLE FOUNDATION; CAP EXISTING 2 IN. BEND WHEN TRAFFIC SIGNAL MODIFICATION IS FUNCTIONAL.
P. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT
Q. SPLICE EXISTING LOOP DETECTOR WIRES TO NEW 2 CONDUCTOR (ALUMINUM SHIELDED) WIRES
R. INSTALL GROUND MOUNTED SIGN (NO. 12) ON TWO 4 IN. X 6 IN. WOOD POST

TOD NO.: AT720-11
SHA No.:HO365A52/B52

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

STV Incorporated
engineers /architects /planners /construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: DRIBANCN

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

MD 103 (MONTGOMERY ROAD)
AND LONG GATE CENTER ENTRANCE

TRAFFIC SIGNALIZATION PLAN

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

ORIGINAL ON FILE

A ADD VIDEO DETECTION/ PROVIDE SYSTEMIZATION/ UPGRADE SIGNAL HEADS TO LED SHA*AT720S185 — 08/2006

STV SBS

SCALE 1"=20'	DATE 08051996	CONTRACT NO. BW907M81	
DESIGNED BY M.A. MEARS		COUNTY HOWARD	
DRAWN BY M.A. MEARS		LOGMILE 130103006.85	
CHECKED BY BRUCE THOMPSON		T.I.M.S. NO. G823	
F.A.P. NO.		TOD NO.	
DRAWING NO. TS-3604A	OF	SHEET NO. 5 OF 8	

PLOTTED: WEDNESDAY, JULY 19, 2006 AT 01:52 PM
FILE: I:\PROJECTS\0312513\0312513.0001\DRAWINGS\TRA\LGC ENTRANCE\PSG-P000_MD103.DGN