MD 97 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION

EXISTING SIGNALS TO REMAIN

1,4 · 2,5 · 3,6,9, 10,14,15 · 7,8, 11,12,13 · 16,17,18,19 20,21,22,23

EXISTING SIGNS TO REMAIN

24,33 CROSS ONLY AT CROSS WALKS

27a,31b Forest Glen Rd <2000

27b,31a Forest Glen Rd 2000>

DUAL FACED

28 LANE ENDS MERGE LEFT

34,37,38 ONLY

35a,39b Georgia Ave <9800

35b,39a Georgia Ave 9800>

DUAL FACED

40

41 NO TURN ON RED

EXISTING FIBER OPTIC SIGNS TO REMAIN

25,29 FIBER OPTIC SIGN TO BE ILLUMINATED WEEK DAYS FROM 6:30 AM - 9:30 AM AND 4:00 PM - 7:00 PM ALL OTHER TIMES TO REMAIN BLANK (TIME TO BE VERIFIED BY DISTRICT)

32,36 FIBER OPTIC SIGNS SHALL BE IN OPERATION FROM AS FOLLOWS: THE "ONLY" DISPLAY WILL SHOW AT ALL TIMES EXCEPT 4:00 PM - 7:00 PM MONDAY THRU FRIDAY

ONLY — ALL TIMES MON-FRI · 4PM-7PM Mon.-Fri.

EXISTING SIGNS TO BE REMOVED

26,30 LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

42a,43a,44a,45a PUSH BUTTON TO CROSS

46a,47a,48a,49a PUSH BUTTON TO CROSS GEORGIA AVE

PROPOSED SIGNS

50 NORTH MARYLAND 97 — SHIELD ASSEMBLY (36"x75")

51 SOUTH MARYLAND 97 — SHIELD ASSEMBLY (24"x51")

52 SOUTH MARYLAND 97 — SHIELD ASSEMBLY (36"x75")

53 NORTH MARYLAND 97 — SHIELD ASSEMBLY (24"x51")

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

42,44 · 43,45 · 46,48 · 47,49

EXISTING NEMA PHASING

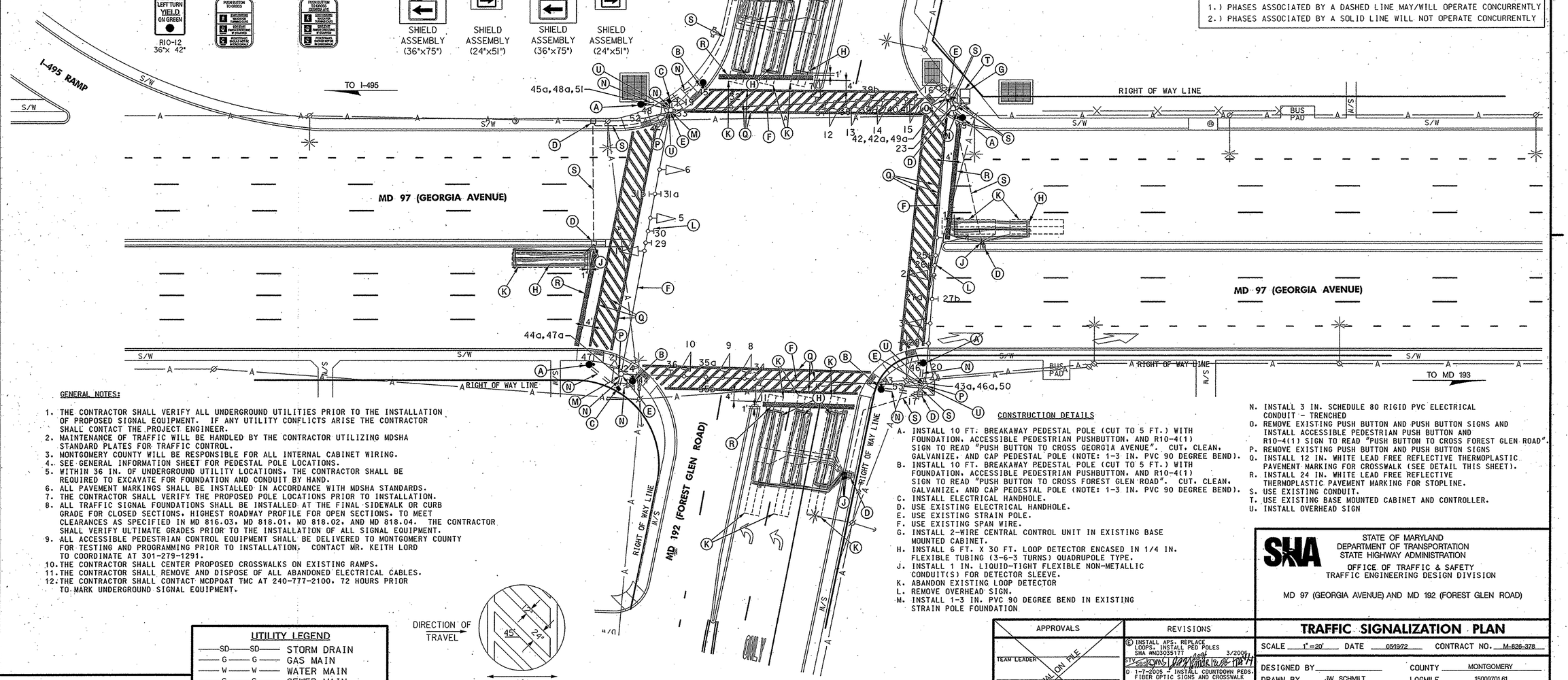
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

FLASHING OPERATION

Ø4 & Ø8 ALT

PHASING NOTES:

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



GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. MONTGOMERY COUNTY WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. SEE GENERAL INFORMATION SHEET FOR PEDESTAL POLE LOCATIONS.
5. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
6. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
7. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE 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.
9. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO MONTGOMERY COUNTY FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. KEITH LORD TO COORDINATE AT 301-279-1291.
10. THE CONTRACTOR SHALL CENTER PROPOSED CROSSWALKS ON EXISTING RAMPS.
11. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
12. THE CONTRACTOR SHALL CONTACT MCDPQ&T TMC AT 240-777-2100, 72 HOURS PRIOR TO MARK UNDERGROUND SIGNAL EQUIPMENT.

DIRECTION OF TRAVEL

12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING TYPICAL CROSSWALK DETAIL

CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE (CUT TO 5 FT.) WITH FOUNDATION, ACCESSIBLE PEDESTRIAN PUSHBUTTON, AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS GEORGIA AVENUE". CUT, CLEAN, GALVANIZE, AND CAP PEDESTAL POLE (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
B. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE (CUT TO 5 FT.) WITH FOUNDATION, ACCESSIBLE PEDESTRIAN PUSHBUTTON, AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS FOREST GLEN ROAD". CUT, CLEAN, GALVANIZE, AND CAP PEDESTAL POLE (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
C. INSTALL ELECTRICAL HANDHOLE.
D. USE EXISTING ELECTRICAL HANDHOLE.
E. USE EXISTING STRAIN POLE.
F. USE EXISTING SPAN WIRE.
G. INSTALL 2-WIRE CENTRAL CONTROL UNIT IN EXISTING BASE MOUNTED CABINET.
H. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 TURNS) QUADRUPOLE TYPE.
J. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT(S) FOR DETECTOR SLEEVE.
K. ABANDON EXISTING LOOP DETECTOR
L. REMOVE OVERHEAD SIGN.
M. INSTALL 1-3 IN. PVC 90 DEGREE BEND IN EXISTING STRAIN POLE FOUNDATION
N. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
O. REMOVE EXISTING PUSH BUTTON AND PUSH BUTTON SIGNS AND INSTALL ACCESSIBLE PEDESTRIAN PUSH BUTTON AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS FOREST GLEN ROAD".
P. REMOVE EXISTING PUSH BUTTON AND PUSH BUTTON SIGNS
Q. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK (SEE DETAIL THIS SHEET).
R. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOPLINE.
S. USE EXISTING CONDUIT.
T. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
U. INSTALL OVERHEAD SIGN

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

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

BY: WEAVERCC

See Note 1 on Sheet No. 1

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

REVISIONS

B INSTALL APS, REPLACE LOOPS, INSTALL PED POLES SHA #MD3035177 3/2006
D 1-7-2005 - INSTALL COUNTDOWN PEDS, FIBER OPTIC SIGNS AND CROSSWALK SHA NO.: AT6045185
C 3-14-2003 - REPLACE SIGNAL HEADS, ADDED FIBER OPTIC SIGNS SHA NO.: XX1065285

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

MD 97 (GEORGIA AVENUE) AND MD 192 (FOREST GLEN ROAD)

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE 05/19/72 CONTRACT NO. M-826-378

DESIGNED BY · DRAWN BY JW SCHMILT · CHECKED BY EMM · F.A.P. NO.
COUNTY MONTGOMERY · LOGMILE 15009701.61 · T.I.M.S. NO. H326 · TOD NO.

DRAWING NO. TS-1930D OF · SHEET NO. OF

PLOTTED: FRIDAY, MARCH 31, 2006 AT 10:04 AM
FILE: I:\PROJECTS\031251\031251_000\DRAWINGS\TRA\FOREST GLEN ROAD\PSG-P000_MD97.DGN