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

EXISTING SIGNALS TO REMAIN

1,2,5, 8,11 — 3 — 4 — 6,7, 9,10

EXISTING SIGNALS TO BE REMOVED

12a,13a,14a,15a 16a,17a,18a,19a

PROPOSED LED SIGNALS

12,13,14,15, 16,17,18,19

16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

EXISTING SIGNS TO BE REMOVED

21 — LEFT TURN YIELD ON GREEN

30a — NORTH 97

31a — SOUTH 97

32a — SOUTH 97

33a — NORTH 97

34a,38a — PUSH BUTTON TO CHANGE WINDHAM LANE TURNING CARS EXCLUDE PEDESTRIANS IF STARTED. PEDESTRIAN MUST WAIT IN CROSSWALK

37a,41a — PUSH BUTTON TO CHANGE GEORGIA AVENUE TURNING CARS EXCLUDE PEDESTRIANS IF STARTED. PEDESTRIAN MUST WAIT IN CROSSWALK

NEMA PHASING

Ø2 Ø3 Ø4 — FLASHING OPERATION

Ø5 Ø6 Ø3 ALT. Ø4 ALT.

EXISTING SIGNS TO REMAIN

20,22 — Windham Lane

23,24 — Georgia AVE <10800

27,28 — Georgia AVE 10800>

25,29 — ONLY

26

PROPOSED SIGNS

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

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

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

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

34b,38b — PUSH BUTTON TO CHANGE WINDHAM LANE TURNING CARS EXCLUDE PEDESTRIANS IF STARTED. PEDESTRIAN MUST WAIT IN CROSSWALK — R10-4(1) (9"x12")

37b,41b — PUSH BUTTON TO CHANGE GEORGIA AVENUE TURNING CARS EXCLUDE PEDESTRIANS IF STARTED. PEDESTRIAN MUST WAIT IN CROSSWALK — R10-4(1) (9"x12")

EXISTING ACCESSIBLE PUSHBUTTON AND SIGN

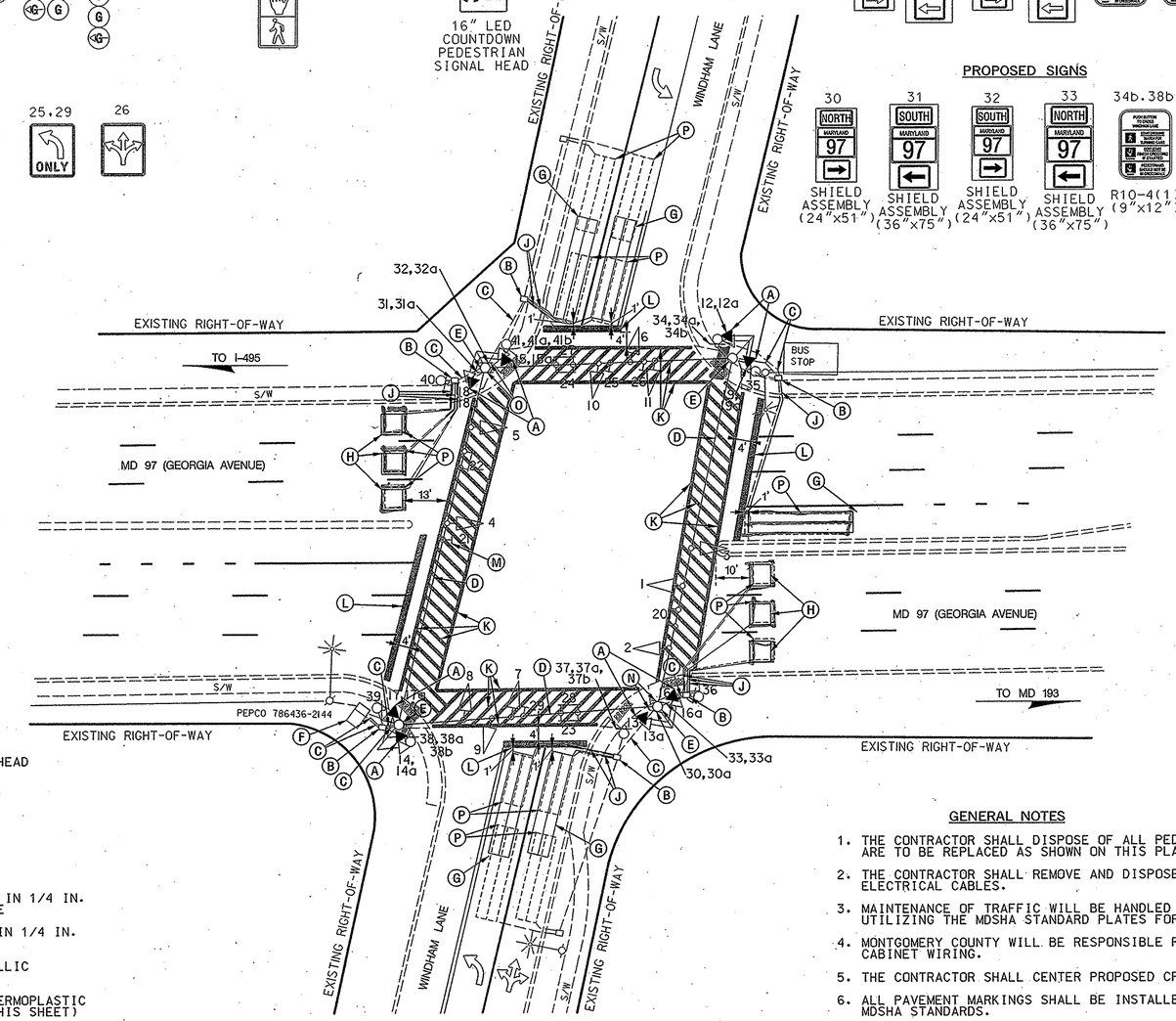
34,38 — WINDHAM LANE SIGNALS IN SYNCHRONIZE TYPE 2

37,41 — WINDHAM LANE SIGNALS IN SYNCHRONIZE TYPE 2

36,40 — PUSH BUTTON TO CHANGE GEORGIA AVENUE TURNING CARS EXCLUDE PEDESTRIANS IF STARTED. PEDESTRIAN MUST WAIT IN CROSSWALK — GEORGIA AVENUE SIGNALS IN SYNCHRONIZE TYPE 2

35,39 — PUSH BUTTON TO CHANGE WINDHAM LANE TURNING CARS EXCLUDE PEDESTRIANS IF STARTED. PEDESTRIAN MUST WAIT IN CROSSWALK — GEORGIA AVENUE SIGNALS IN SYNCHRONIZE TYPE 2

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



CONSTRUCTION DETAILS

A. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND INSTALL NEW LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

B. USE EXISTING HANDHOLE

C. USE EXISTING ELECTRICAL CONDUIT

D. USE EXISTING SPAN WIRE

E. USE EXISTING STRAIN POLE

F. USE EXISTING BASE MOUNTED CABINET

G. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 TURNS) QUADRUPOLE TYPE

H. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4 TURNS)

J. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE

K. INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK (SEE DETAIL THIS SHEET)

L. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE

M. REMOVE OVERHEAD SIGN

N. REMOVE SIGNS (NO. 30a & 33a) AND INSTALL SIGNS (NO. 30 & 33)

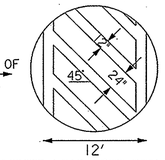
O. REMOVE SIGNS (NO. 31a & 32a) AND INSTALL SIGNS (NO. 31 & 32)

P. ABANDON EXISTING LOOP DETECTOR

GENERAL NOTES

1. THE CONTRACTOR SHALL DISPOSE OF ALL PEDESTRIAN SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN.
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
3. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
4. MONTGOMERY COUNTY WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
5. THE CONTRACTOR SHALL CENTER PROPOSED CROSSWALKS ON EXISTING RAMPS.
6. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
7. 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

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

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

REVISIONS	
C	INSTALL COUNTDOWN PEDESTRIAN SIGNALS AND NEW LOOP DETECTORS. SHA NO.: M30305117 — 02/06
D	INSTALL AUDIBLE PEDESTRIAN SIGNALS. SHA NO.: AT3575185 — 05/2004
C	AS-BUILT S.H.A. No.: 855-25057041 — 05-06-96

SWA | W.M. | M.A.R. | D.A.Z. | B.R.K. | FH

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

MD 97 (GEORGIA AVENUE) AND WINDHAM LANE

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE NOV. 1, 1989 CONTRACT NO. BW-271-802-312

DESIGNED BY
DRAWN BY MICHAEL POWELL
CHECKED BY LARRY DUGLES
F.A.P. NO.

COUNTY MONTGOMERY
LOGMILE 15009702.78
T.I.M.S. NO. H326
TOD NO.

DRAWING NO. TS-214E OF SHEET NO. OF

PLOTTED: FRIDAY, MARCH 31, 2006 AT 09:58 AM
FILE: I:\PROJECTS\0312513\0312513_0009\DRAWINGS\TRA\WINDHAM LANE\PSG-P001_MD97.DGN