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

EXISTING SIGNS

20,22 Windham Lane

21 LEFT TURN YIELD ON GREEN

25,29 ONLY

26

30 NORTH MARYLAND 97

31 SOUTH MARYLAND 97

32 SOUTH MARYLAND 97

33 NORTH MARYLAND 97

PROPOSED SIGNS

23,24 Georgia AVE. (10800) — D-3(1) (VAR. X 16")

27,28 Georgia AVE. (10800) — D-3(1) (VAR. X 16")

R10-4(1) (9"X 12") INSTALLED AT CROSSING WITH PUSHBUTTON

R10-4C MOD (9"X 12") INSTALLED AT CROSSING WITH NO PUSHBUTTON

EXISTING SIGNALS

1,2,5 — R Y G

3 — R Y G

4 — R Y G

12-19

PROPOSED SIGNALS

6,7, 9,10 — R Y G G 12"

8,11 — R Y G 12"

PROPOSED EQUIPMENT

34,38 OPTION A SIGN — WINDHAM LANE

37,41 OPTION A SIGN — WINDHAM LANE

36,40 OPTION A SIGN — GEORGIA AVENUE

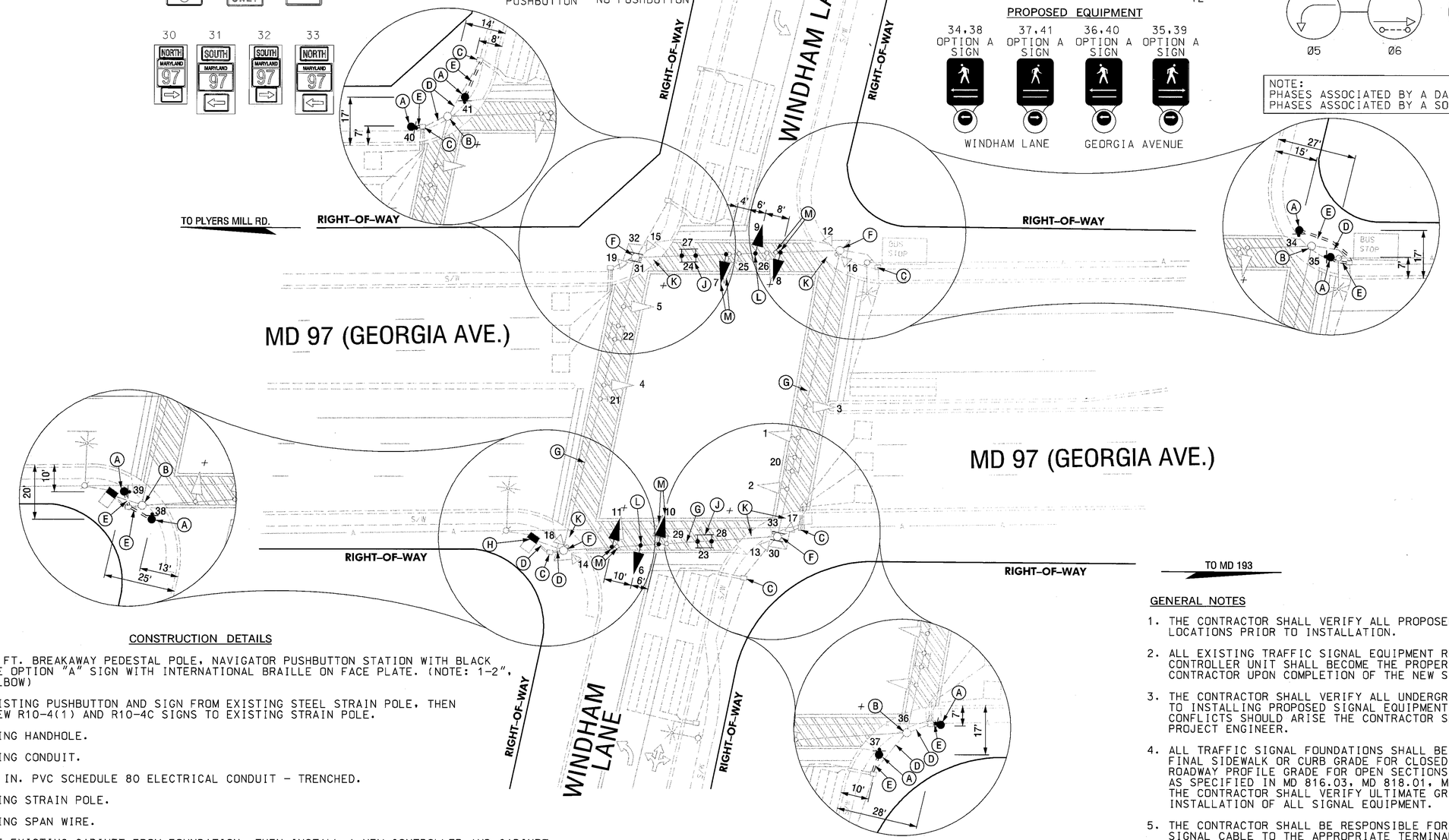
35,39 OPTION A SIGN — GEORGIA AVENUE

NEMA PHASING

Ø2 Ø3 Ø4 FLASHING OPERATION

Ø5 Ø6 Ø3 ALT. Ø4 ALT.

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



CONSTRUCTION DETAILS

A. INSTALL 4 FT. BREAKAWAY PEDESTAL POLE, NAVIGATOR PUSHBUTTON STATION WITH BLACK FACE PLATE OPTION "A" SIGN WITH INTERNATIONAL BRAILLE ON FACE PLATE. (NOTE: 1-2", 90° PVC ELBOW)

B. REMOVE EXISTING PUSHBUTTON AND SIGN FROM EXISTING STEEL STRAIN POLE, THEN INSTALL NEW R10-4(1) AND R10-4C SIGNS TO EXISTING STRAIN POLE.

C. USE EXISTING HANDHOLE.

D. USE EXISTING CONDUIT.

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

F. USE EXISTING STRAIN POLE.

G. USE EXISTING SPAN WIRE.

H. REMOVE THE EXISTING CABINET FROM FOUNDATION, THEN INSTALL A NEW CONTROLLER AND CABINET ON THE EXISTING CONCRETE FOUNDATION. INSTALL 2 WIRE NAVIGATOR CENTRAL CONTROL UNIT (CCU) FOR THE ACCESSIBLE PEDESTRIAN PUSHBUTTON SIGNAL AND PROPERLY LABEL AND TAG CABLE ENDS.

J. INSTALL D-3(1) STREET NAME SIGN ON SPAN WIRE AS SHOWN.

K. INSTALL A DETECTABLE WARNING SURFACE (SURFACE APPLIED) ON TOP OF EXISTING ADA RAMP.

L. INSTALL NEW TRAFFIC SIGNAL HEADS AS SHOWN ON PLAN.

M. REMOVE EXISTING TRAFFIC SIGNAL HEAD FROM SPAN WIRE AND REPLACE IT WITH A NEW TRAFFIC SIGNAL HEAD. THE CONTRACTOR SHALL RE-USE THE EXISTING CONDUCTOR WIRE FROM PREVIOUSLY REMOVED SIGNAL HEAD FOR THE NEW TRAFFIC SIGNAL INSTALLATION.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
3. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. 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.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

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

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

REVISIONS

6	INSTALL AUDIBLE PEDESTRIAN SIGNALS. SHA No.: AT3575185	05/20/04	
SWA			BRL
C	AS-BUILT S.H.A. No.: 855-25057041	05-06-96	
FH			

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

SHA#: MD33N850/085 TOD#: AT357-31

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN

MD 97 (GEORGIA AVENUE) AT WINDHAM LANE

DRAWN BY:	MICHEAL POWELL	F.A.P. NO.		TS NO. 214D	SHEET NO.
CHECKED BY:	LARRY DUGLES	S.H.A. NO.	BW-271-802-312		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. E979	1 OF 2
DATE:	NOV. 1, 1989	LOG MILE:	15009702.78		

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