PROPOSED SIGNS

19 — LEFT TURN YIELD ON GREEN — R 10-12 36"X42"

24, 26 — ONLY — R 3-5 (L) 30"X36"

21, 22 — ONLY — R 3-5 (R) 30"X36"

25 — R 3-6 (R) 30"X36"

23, 27 — 8"/6" C — Georgia Ave 16100 — D3-2 16"XVARIABLE

18a, 18b, 20a, 20b — Emory La 17000 — D3-2 16"XVARIABLE DUAL FACE

28 — M3-1 24"x12" NORTH; M1-5 30"x24" MARYLAND 97; M6-1 21"x15"

29 — M3-3 24"x12" SOUTH; M1-5 30"x24" MARYLAND 97; M6-1 21"x15"

30 — M3-3 24"x12" SOUTH; M1-5 30"x24" MARYLAND 97; M6-1 21"x15"

EXISTING SIGNS TO REMAIN

2b — M1-5 30"x24" MARYLAND 97; M3-3 24"x12" SOUTH; M3-1 24"x12" NORTH; M5-1 21"x15"; M6-1 21"x15"

1b — ONLY

PROPOSED SIGNALS

1 — R 8", Y 8", G 8", 12", 12"

2 — R, Y, G, 12"

3,6,10,11 — R, Y, G

12, 13, 14, 15, 16, 17 — DW, WK, 12"

EXISTING SIGNALS TO REMAIN

4, 5, 7, 8 — R, Y, G, 12"

9 — R, Y, G, 8"

EXISTING SIGNALS TO BE REMOVED

1a,2a — R, Y, G, 12"

3a,10a,11a — R, Y, G, 12"

6a — R, Y, G, 8"

NEMA PHASING

Ø1 Ø2 Ø4 Ø6 Ø8

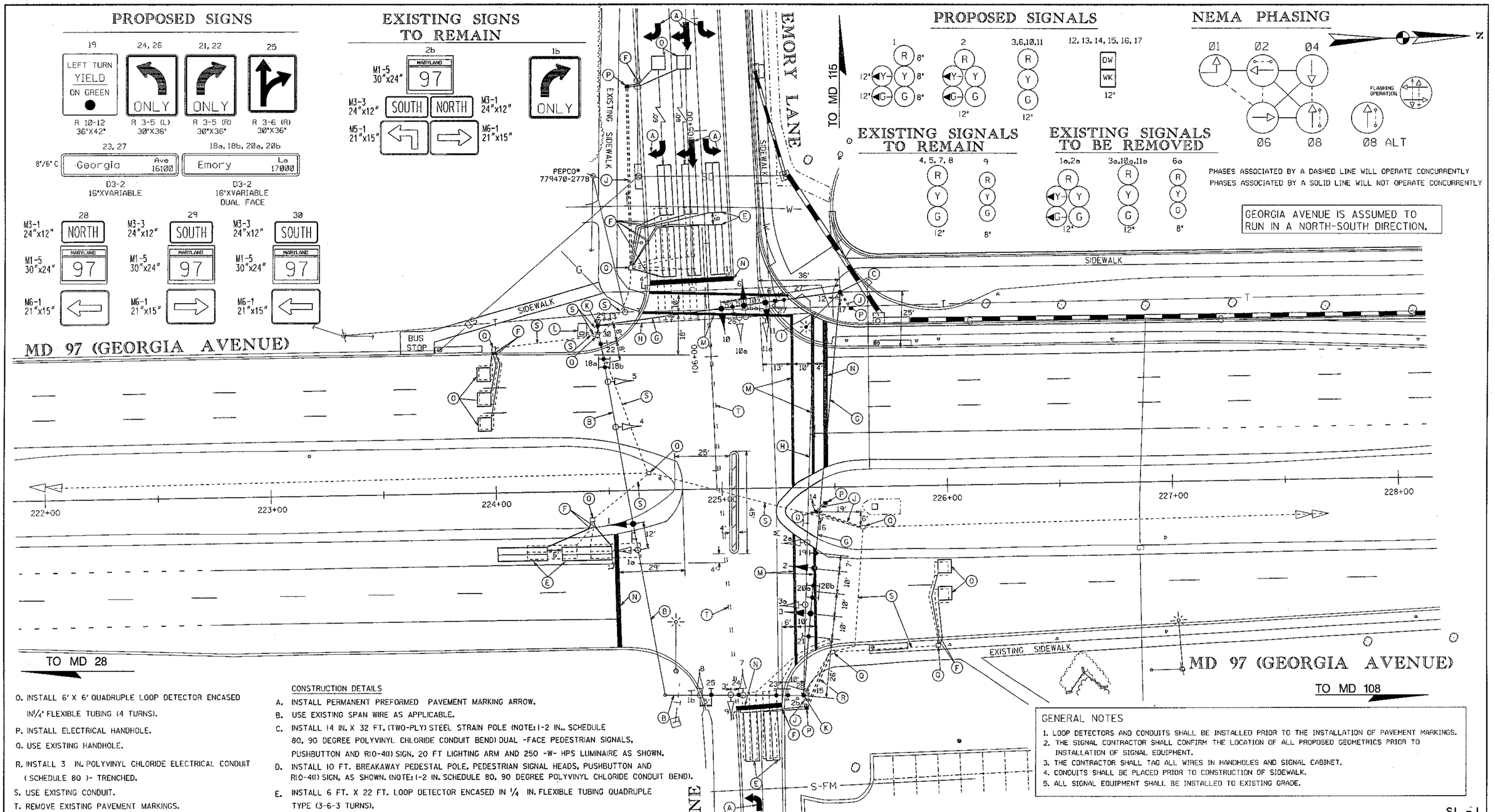
FLASHING OPERATION

Ø8 ALT

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

GEORGIA AVENUE IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.



O. INSTALL 6' X 6' QUADRUPLE LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (4 TURNS).

P. INSTALL ELECTRICAL HANDHOLE.

Q. USE EXISTING HANDHOLE.

R. INSTALL 3 IN. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 80)- TRENCHED.

S. USE EXISTING CONDUIT.

T. REMOVE EXISTING PAVEMENT MARKINGS.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

CONSTRUCTION DETAILS

A. INSTALL PERMANENT PREFORMED PAVEMENT MARKING ARROW.

B. USE EXISTING SPAN WIRE AS APPLICABLE.

C. INSTALL 14 IN. X 32 FT. (TWO-PLY) STEEL STRAIN POLE (NOTE: 1-2 IN., SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND) DUAL -FACE PEDESTRIAN SIGNALS, PUSHBUTTON AND R10-4(I) SIGN, 20 FT LIGHTING ARM AND 250 -W- HPS LUMINAIRE AS SHOWN.

D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(I) SIGN, AS SHOWN. (NOTE: 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).

E. INSTALL 6 FT. X 22 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING QUADRUPLE TYPE (3-6-3 TURNS).

F. FURNISH AND INSTALL 1 IN. LIQUID TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

G. FURNISH AND INSTALL STEEL SPAN WIRE 3/8 IN. DIAMETER.

H. REMOVE AND DISPOSE EXISTING SPAN WIRES, SIGNAL HEADS AND ASSOCIATED WIRING.

I. REMOVE AND DISPOSE EXISTING SIGNAL POLE.

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

K. USE EXISTING STEEL SIGNAL POLE FOR CABLE RUN. INSTALL PEDESTRIAN SIGNAL, PUSH BUTTON AND R10-4(I) SIGN.

L. USE EXISTING BASE-MOUNTED CABINET AND CONTROLLER (IDENTIFY EXISTING CABINET WIRING). RE-WIRE CABINET TO SIGNAL HEADS, AS APPLICABLE.

M. INSTALL 12 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE.

N. INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOPLINE).

GENERAL NOTES

1. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
2. THE SIGNAL CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
3. THE CONTRACTOR SHALL TAG ALL WIRES IN HANDHOLES AND SIGNAL CABINET.
4. CONDUITS SHALL BE PLACED PRIOR TO CONSTRUCTION OF SIDEWALK.
5. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO EXISTING GRADE.

SI - 1

Sverdrup
CIVIL, INC.
CONSULTING ENGINEERS
575 SOUTH CHARLES STREET
SUITE 404
BALTIMORE, MARYLAND 21201
Tel. (410) 837-5840

REVISIONS	APPROVALS
(P) NEW SIGNAL POLE AT N.W. QUADRANT. REPLACED SIGNAL HEADS AS SHOWN. MO/8285171 8/3/99 RD	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 97 AT EMORY LANE

DRAWN BY: D.D.	F.A.P. NO.		TS. NO. 2106 F	SHEET NO.	
CHECKED BY:	S.H.A. NO.	BW-619-802-312			
SCALE: 1"=20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. D-132	56 OF 59	
DATE: 4/1997	LOG MILE:	15009709.99			

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