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

EXISTING SIGNS

30.35	23.26	31	23.32	24	20
ONLY	ONLY		ONLY	LEFT TURN YIELD ON GREEN	U TURN YIELD ON GREEN OR ←
R3-5(L) 30"X36"	R3-5(R) 30"X36"	R3-6(R) 30"X36"	R3-5(R) 30"X36"	R 10-12 36"X42"	R 10-16 36"X42"

33	27	34	21.25	29.36
MARYLAND 97 SOUTH NORTH	SOUTH MARYLAND 97	SOUTH MARYLAND 97	Emory Lo 17000	Georgia Ave 16100
			D3-2 16"XVARIABLE	D3-2 16"XVARIABLE

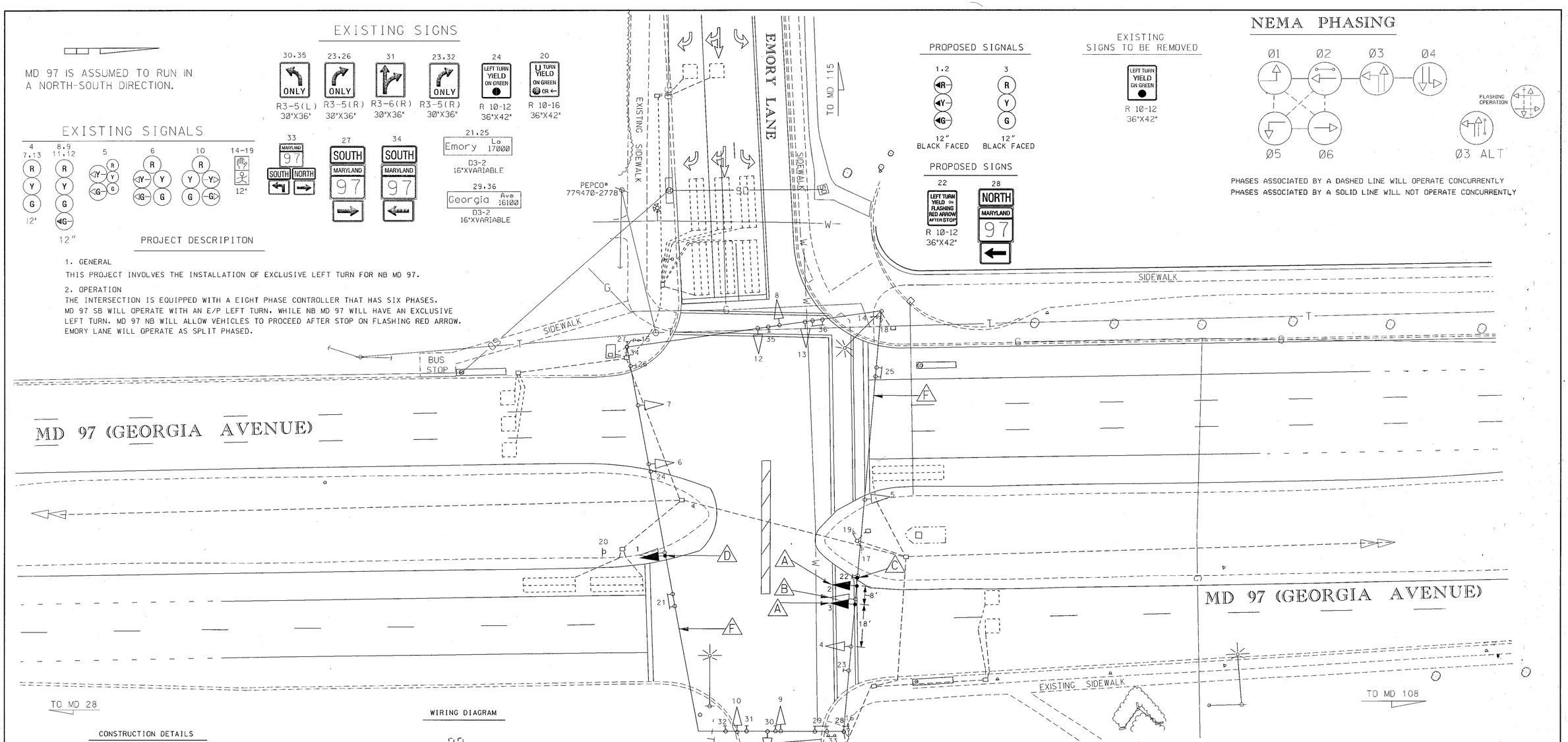
EXISTING SIGNALS

4: R Y G (12")
7,13: R Y G (12")
8,9 11,12: R Y G G (12")
5: R Y G
6: R Y G
10: R Y G
14-19: 12"

PROJECT DESCRIPITON

1. GENERAL
THIS PROJECT INVOLVES THE INSTALLATION OF EXCLUSIVE LEFT TURN FOR NB MD 97.

2. OPERATION
THE INTERSECTION IS EQUIPPED WITH A EIGHT PHASE CONTROLLER THAT HAS SIX PHASES. MD 97 SB WILL OPERATE WITH AN E/P LEFT TURN. WHILE NB MD 97 WILL HAVE AN EXCLUSIVE LEFT TURN. MD 97 NB WILL ALLOW VEHICLES TO PROCEED AFTER STOP ON FLASHING RED ARROW. EMORY LANE WILL OPERATE AS SPLIT PHASED.



PROPOSED SIGNALS

1,2: R Y G — 12" BLACK FACED
3: R Y G — 12" BLACK FACED

PROPOSED SIGNS

22: LEFT TURN YIELD ON FLASHING RED ARROW AFTER STOP — R 10-12 36"X42"
28: NORTH MARYLAND 97 — 36"X72"

EXISTING SIGNS TO BE REMOVED

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

NEMA PHASING

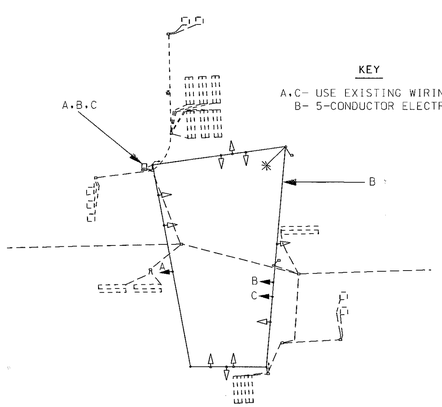
Ø1 Ø2 Ø3 Ø4
Ø5 Ø6
Ø3 ALT
FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

A. INSTALL 12" 3-SECTION BLACK FACED TRAFFIC SIGNAL HEAD.
B. REMOVE EXISTING 12" 5-SECTION TRAFFIC SIGNAL HEAD.
C. REMOVE AND REPLACE EXISTING OVERHEAD SIGN AS SHOWN.
D. REMOVE EXISTING 5-SECTION TRAFFIC SIGNAL HEAD AND REPLACE WITH 12" 3-SECTION BLACK FACED TRAFFIC SIGNAL HEAD.
F. USE EXISTING SPAN WIRE.

WIRING DIAGRAM



KEY

A.C- USE EXISTING WIRING
B- 5-CONDUCTOR ELECTRICAL CABLE NO. 14 AWG

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8048	1 EA	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT
8086	300 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO 14 AWG)
9045	3 EA	(SPAN MT) 12" 1-WAY, 3-SECTION SIGNAL (POLYCARBONATE) - BLACK FACE
9570	11 SF	SHEET ALUMINUM GROUND MOUNTED SIGN R10-12 36"x42"
9571	24 SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN M95-2 36"x72"
9572	11 SF	SHEET ALUMINUM SPAN MOUNTED SIGN R10-12 36"x42"

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISIONS

F NEW SIGNAL POLE AT N.W. QUADRANT, REPLACED SIGNAL HEADS AS SHOWN. MO 8255171 8/3/99 RD
G ADD SB E/P AND SPLIT SIDE STREET PHASING TIMS# E101 11/00 CJS
AS-BUILT CHANGE NB E/P TO EXCLUSIVE TIMS# F610 3/04

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF 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. SEE TITLE SHEET	TS NO. 2106 H	SHEET NO.
CHECKED BY:	S.H.A. NO. M08255171		
SCALE: 1"=20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F-610	1 OF 1
DATE: 4/1/1997	LOG MILE: 15009709.99		