EXISTING SIGNALS

MD 2 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

1,2,7,13-18 — 12"

3 — 12" — 8" — 8"

6 — 12"

11 — 12"

PROPOSED SIGNALS

4 — 12"

8,9 — 12"

5 — 12"

10 — 12"

12 — 12"

EXISTING SIGNS

19 — Mayo RD → — D3-2 — VARIABLE x 16"

20 — ← Mayo RD — D3-2 — VARIABLE x 16"

25 — SOUTH / MARYLAND / 253 — GUIDE SHIELD ASSEMBLY 24" X 51"

24 — SOUTH / MARYLAND / 253 — GUIDE SHIELD ASSEMBLY 24" X 51"

PROPOSED SIGNS

21 — LEFT TURN YIELD ON GREEN — R10-12 36"X42"

26 — SOUTH / MARYLAND / 2 — GUIDE SHIELD ASSEMBLY 30" X 75"

22 — Solomons Island RD — D3-2 — VARIABLE x 16"

23 — NO TURN ON RED — R10-11b 30"X30"

NEMA PHASING

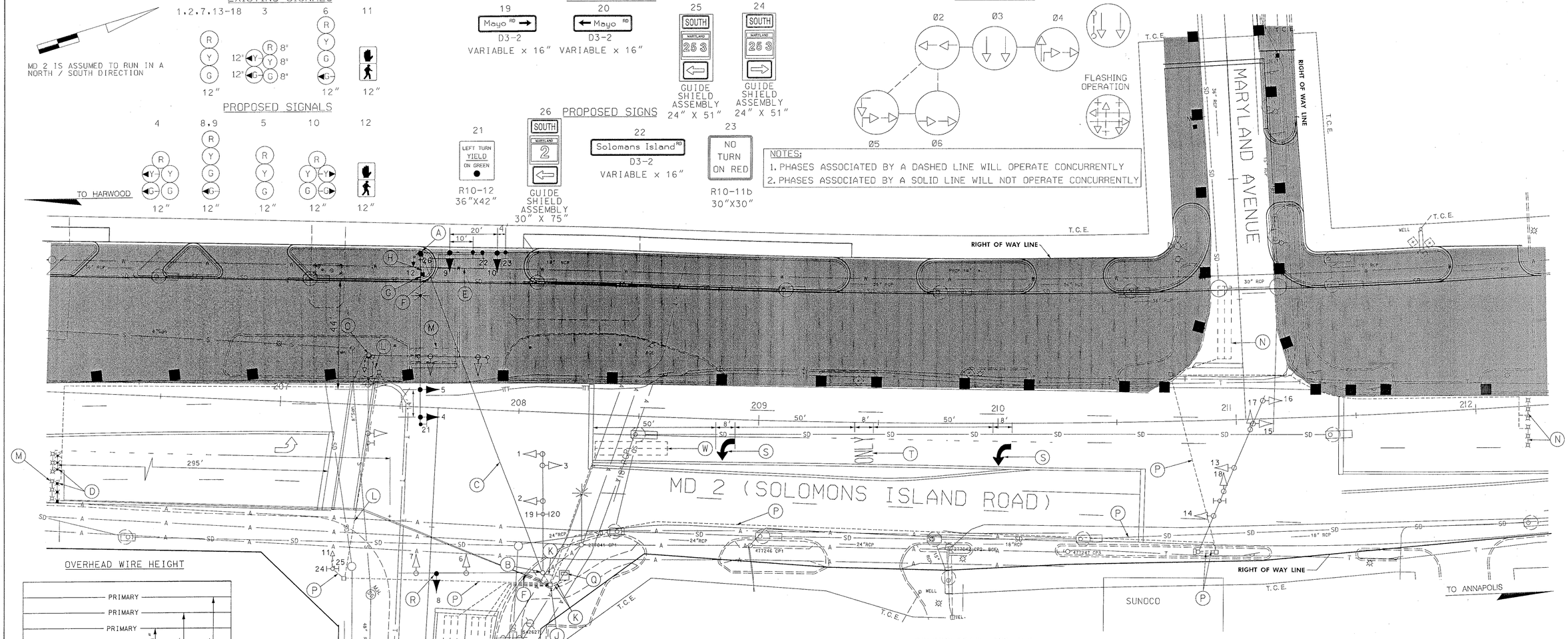
ALT Ø3

Ø2 Ø3 Ø4

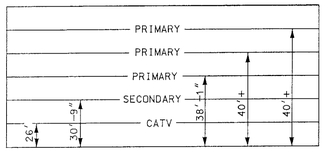
Ø5 Ø6

FLASHING OPERATION

NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



OVERHEAD WIRE HEIGHT



⚠1 OVERHEAD WIRE LENGTHS ARE SHOWN AS THEY EXISTED IN FIELD ON 5/18/99. BGE SHALL BE RESPONSIBLE FOR RELOCATING OVERHEAD ELECTRICAL LINES PRIOR TO CONSTRUCTION.

MOT LEGEND

- CHANNELIZATION DEVICE
- CONCRETE BARRIER
- PROPPOSED CONSTRUCTION

GEOMETRIC LEGEND

- EXISTING
- PROPOSED

UTILITY LEGEND

- G — G — GAS MAIN
- W — W — WATER MAIN
- S — S — SEWER MAIN
- E — E — ELECTRIC CABLES
- A — A — AERIAL CABLES
- T — T — TELEPHONE CABLES

CONSTRUCTION DETAILS:

A. INSTALL A 27 FT. STEEL POLE WITH TWIN 70 FT./ 50 FT. MAST ARMS, SIGNAL HEADS, SIGNS, PUSHBUTTONS, AND A 15 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE AT STATION 207+54: LEFT 64 FT. (NOTE: FOUR-2 IN. X 90 IN. ANCHOR BOLTS AND TWO-3 IN. PVC SCHEDULE 80 CONDUIT BENDS. THE CONTRACTOR IS ADVISED TO UTILIZE THE ALTERNATE 3 FT. DIAMETER X 15 FT. DEPTH FOUNDATION AT THIS LOCATION FOR UTILITY LINE CLEARANCE. THE CONTRACTOR SHALL ROUTE AND ATTACH TEMPRARY ELECTRICAL CABLE OUTSIDE THE MAST ARM USING THE ACCESS PANEL OPPOSITE THE FLANG PLATE TO ENTER THE POLE).

B. USE EXISTING 23 FT. MAST ARM POLE. INSTALL A 1/4 STEEL SPAN WIRE AT A HEIGHT OF 22 FT. ELECTRICAL CABLES SHALL BE ROUTED THROUGH THE ACCESS PANEL OPPOSITE THE FLANG PLATE.

C. INSTALL A 1/4 IN. STEEL SPAN WIRE AND ELECTRICAL CABLES.

D. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN CABLE.

E. INSTALL A 6 FT. X 20 FT. QUADRUPOLE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN A 1/4 IN. FLEXIBLE TUBING AS SHOWN.

F. INSTALL A 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR A DETECTOR WIRE SLEEVE.

G. INSTALL ELECTRICAL HANDHOLE.

H. INSTALL 3-IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

I. DELETED.

J. USE EXISTING HANDHOLE.

K. USE EXISTING CONDUIT.

L. CAP AND ABANDON EXISTING CONDUIT.

M. ABANDON EXISTING VEHICLE DETECTOR.

N. MAINTAIN EXISTING VEHICLE DETECTOR.

O. REMOVE EXISTING MAST ARM POLE, FOUNDATION, SIGNAL HEADS AND PUSH-BUTTON.

P. MAINTAIN EXISTING CONDUIT AND ASSOCIATED ELECTRICAL CABLES.

Q. INSTALL ELECTRICAL CABLES INTO EXISTING CABINET AND PROPERLY TAG/LABEL EACH CABLE.

R. INSTALL SIGNAL HEAD ON EXISTING MAST ARM.

S. INSTALL TEMPORARY PREFORMED PAVEMENT MARKING ARROW.

T. INSTALL TEMPRARY PREFORMED PARMVEMENT MARKING LETTERS.

GENERAL NOTES

1. REFER TO MAINTENANCE OF TRAFFIC PLANS FOR ADDITONAL DETAILS.
2. THE LOOP DETECTORS AND CONDUITS ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. LOOP DETECTORS ARE TO BE INSTALLED ONE (1) FOOT BEHIND STOP LINE.
4. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. ALL TRAFFIC SIGNAL EQUIPMENT AT THE INTERSECTION OF MD2 AT MARYLAND AVE. SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR UPON COMPLETION OF STAGE I CONSTRUCTION

STAGE I

SABRA, WANG & ASSOCIATES, INC.
1506 JOH AVENUE
SUITE 180
BALTIMORE, MD. 21227
(410) 737-6564

REVISIONS

F	RECONSTRUCT SIGNAL DUE TO GEOMETRIC CHANGES				5-99
DMP	SWA			B.R.K.	T.H.
E	3-96 - INSTALL PROPOSED SIGNAL AT MD 2 AND MARYLAND AVE. & INTERCONNECT WITH THE EXISTING SIGNAL AT MD 2 AND MD 253				
				B.R.K.	T.H.
D	REBUILD SIGNAL DUE TO GEOMETRIC CHANGES				2-14-95
S.H.A. NO.: BW-690-803-512					
RZ	M.R.	S.R.	D.A.Z.	B.R.K.	T.H.
C	3-21-83 CHANGE MD 2 LEFT-TURN FROM LAGGING TO LEADING.				
HJK	EP	M.R.	D.Z.	B.K.	T.H.

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

TRAFFIC SIGNALIZATION PLAN

MD 2 (SOLOMONS ISLAND ROAD) AND MD 253 (MAYO ROAD)

DRAWN BY:	D. ZAFIRIS	F.A.P. NO.	
CHECKED BY:	DENNIS DODA	S.H.A. NO.	AA-169-502-270
SCALE:	1"=20'	COUNTY:	ANNE ARUNDEL
DATE:	1-17--75	LOG MILE:	02000217.35

TS NO. TS-694 (F)

T.I.M.S. NO.

SHEET NO. OF

M:\TE\TMDS\SIGNALS\TEMP\PHASE1\TEMPS1-04.DGN