MD 924 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

13 — ONLY — R3-5R 30"X36"

14 — RIGHT LANE MUST TURN RIGHT — R3-7R 30"X36"

EXISTING SIGNALS

1,3: R, Y, G — 12"

2,4-8: R, Y, G — 12"

EXISTING SIGNS

10a: Moores Mill Rd / Vale Rd — D3-1 DUAL FACE SIGN (VAR. X 32")

10b: Vale Rd / Moores Mill Rd — D3-1 DUAL FACE SIGN (VAR. X 32")

9,11: LEFT TURN YIELD ON GREEN — R10-12 36"X42"

12: ONLY — R3-5R 30"X36"

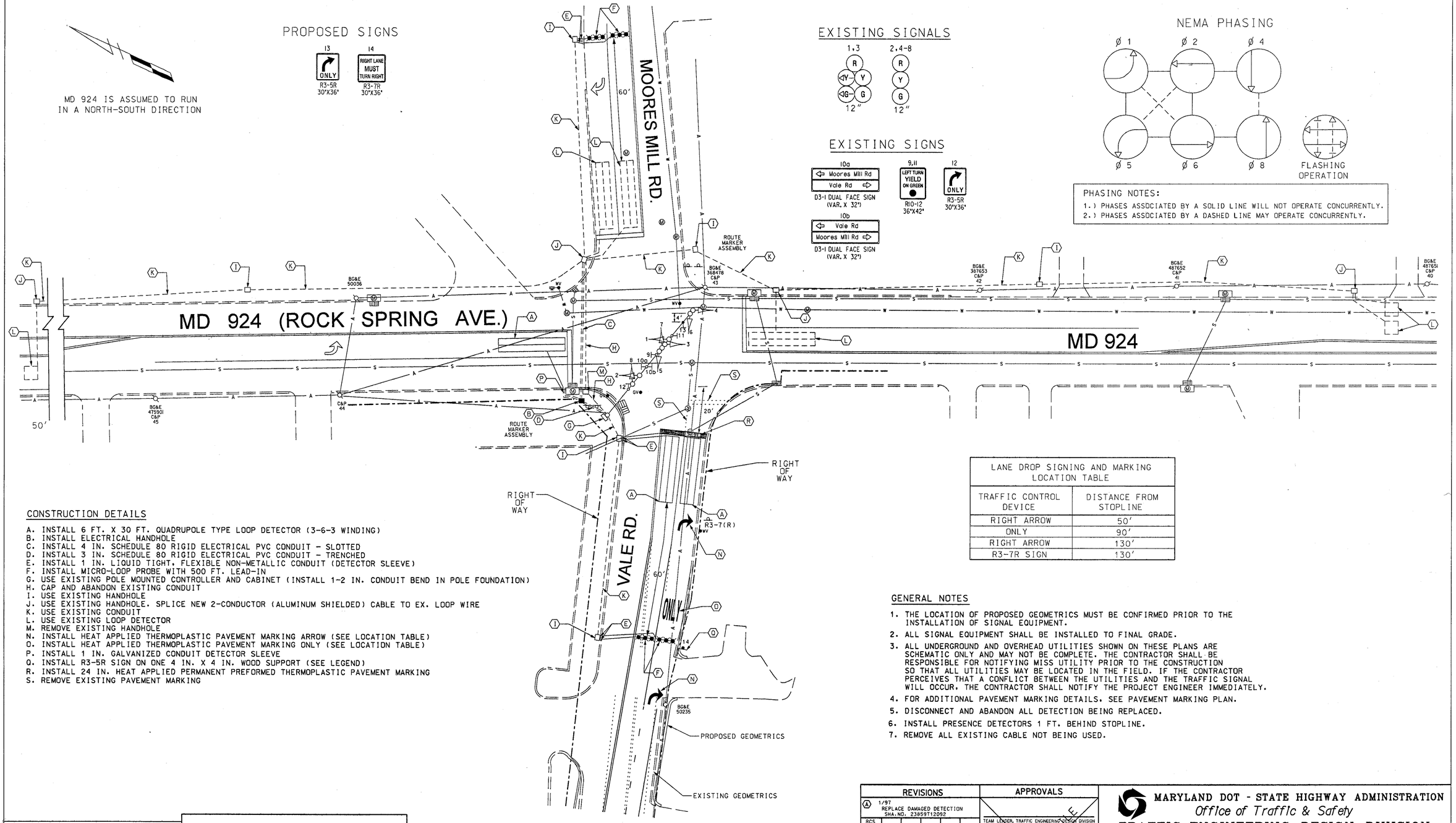
NEMA PHASING

Ø 1, Ø 2, Ø 4, Ø 5, Ø 6, Ø 8

FLASHING OPERATION

PHASING NOTES:

1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



LANE DROP SIGNING AND MARKING LOCATION TABLE	
TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
RIGHT ARROW	50'
ONLY	90'
RIGHT ARROW	130'
R3-7R SIGN	130'

CONSTRUCTION DETAILS

A. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 WINDING)
B. INSTALL ELECTRICAL HANDHOLE
C. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
D. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
E. INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE NON-METALLIC CONDUIT (DETECTOR SLEEVE)
F. INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
G. USE EXISTING POLE MOUNTED CONTROLLER AND CABINET (INSTALL 1-2 IN. CONDUIT BEND IN POLE FOUNDATION)
H. CAP AND ABANDON EXISTING CONDUIT
I. USE EXISTING HANDHOLE
J. USE EXISTING HANDHOLE. SPLICE NEW 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE TO EX. LOOP WIRE
K. USE EXISTING CONDUIT
L. USE EXISTING LOOP DETECTOR
M. REMOVE EXISTING HANDHOLE
N. INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW (SEE LOCATION TABLE)
O. INSTALL HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ONLY (SEE LOCATION TABLE)
P. INSTALL 1 IN. GALVANIZED CONDUIT DETECTOR SLEEVE
Q. INSTALL R3-5R SIGN ON ONE 4 IN. X 4 IN. WOOD SUPPORT (SEE LEGEND)
R. INSTALL 24 IN. HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
S. REMOVE EXISTING PAVEMENT MARKING

GENERAL NOTES

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
4. FOR ADDITIONAL PAVEMENT MARKING DETAILS, SEE PAVEMENT MARKING PLAN.
5. DISCONNECT AND ABANDON ALL DETECTION BEING REPLACED.
6. INSTALL PRESENCE DETECTORS 1 FT. BEHIND STOPLINE.
7. REMOVE ALL EXISTING CABLE NOT BEING USED.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

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REVISIONS	
A	1/97 REPLACE DAMAGED DETECTION SHA.NO. 23859T12092 — RCS
B	7/15/97 ASBUILT SHA.NO. 23859T12092 — RRZ
C	MODIFICATION DUE TO VALE ROAD WIDENING
D	REPLACE DETECTION DUE TO VALE RD WIDENING 2-10-04 SHA NO. JBW996M82 — TMZ MO

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
SIGNALIZATION PLAN
MD 924 AND MOORES MILL RD./VALE RD.

DRAWN BY: J.GORDON	F.A.P. NO.	TS NO. 1901 D	SHEET NO.
CHECKED BY:	S.H.A. NO.		1 OF 2
SCALE: 1" = 20'	COUNTY: HARFORD	T.I.M.S. NO. G-181	
DATE: 3-1-83	LOG MILE: 12092406.57		