N

(0) (90) is assigned to run in East/West direction.

EXISTING SIGNS

7a, 7b	8	9, 10	11	12	13
Riva RD		ONLY		EAST MARYLAND 450	WEST MARYLAND 450
D-3(1) 16" x Var.	R 3-1(L) 30" x 30"	R 3-5(L) 30" x 36"	R 3-1(R) 30" x 30"	Shield Assem. 30" x 51"	Shield Assem. 48" x 75"

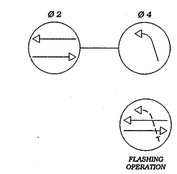
EXISTING SIGNALS

1, 5, 6	2	3, 4
R Y G	R Y G G	R Y G
12"	12"	12" Optically programed

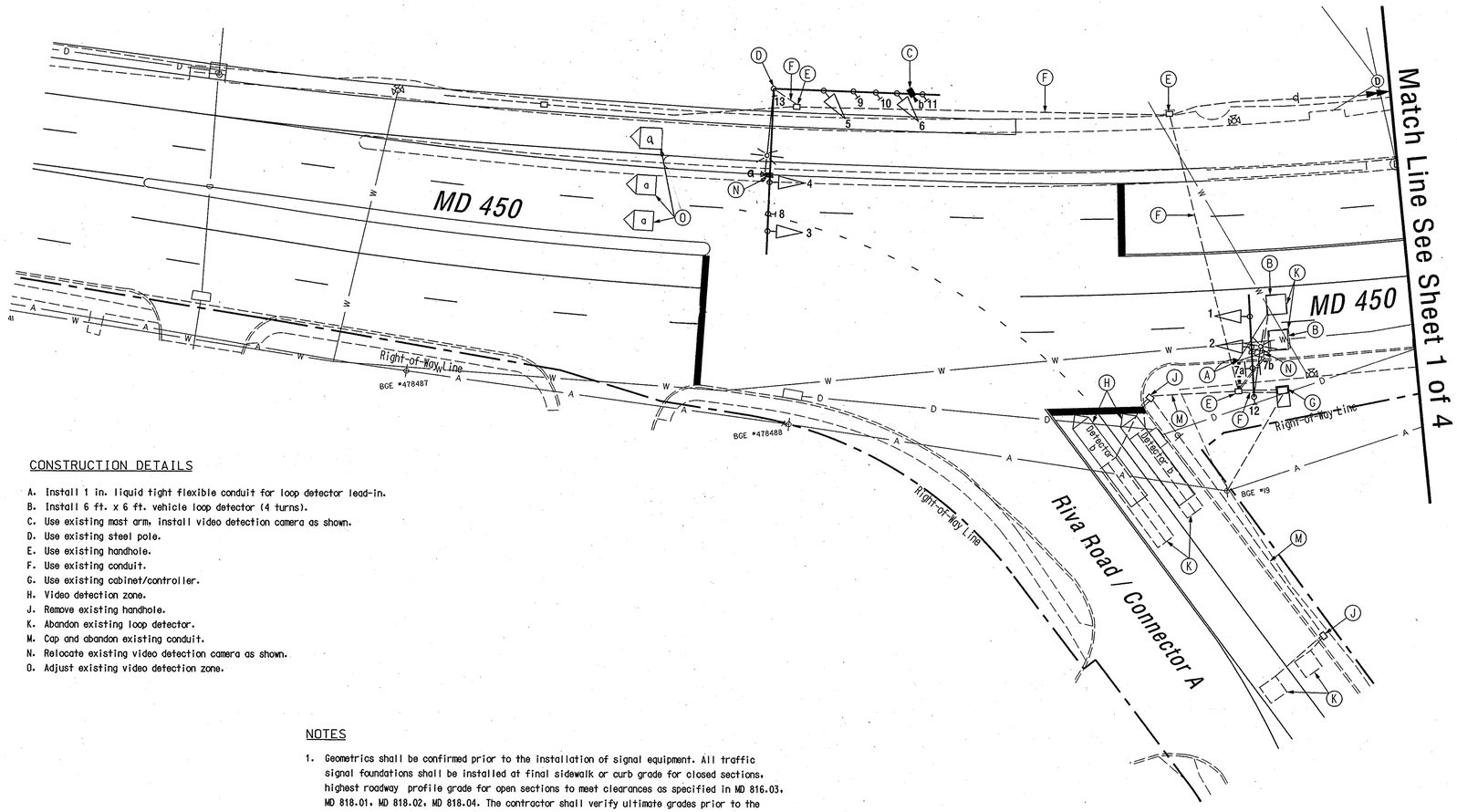
a — Video Detector Camera to be relocated

b — Proposed Video Detector Camera

NEMA PHASING



NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.



CONSTRUCTION DETAILS

A. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
B. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
C. Use existing mast arm, install video detection camera as shown.
D. Use existing steel pole.
E. Use existing handhole.
F. Use existing conduit.
G. Use existing cabinet/controller.
H. Video detection zone.
J. Remove existing handhole.
K. Abandon existing loop detector.
M. Cap and abandon existing conduit.
N. Relocate existing video detection camera as shown.
O. Adjust existing video detection zone.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at 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.
2. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
3. Revision 'F' is a revision to the traffic signal built in January 26, 1973 under S.H.A. Contract No.: AA685A56/B56.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to 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 equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
5. Remove all unused cables.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
D	STORM DRAIN
A	AERIAL CABLES
T	TELEPHONE CABLES

Revision "F"

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS					
E Signal modification ADD VIDEO DETECTION S.H.A. No.:BW9903M3					10/03/06
FDB					
E Asbuilt and Systemization S.H.A. No.:XX1005885					07/13/01
EMM	JAH	MAR	DAZ	BCK	TH
D Rebuild traffic signal S.H.A. No.:					10/24/97
EMM	JAH		DAZ	BCK	
C Replaced failed loop detectors S.H.A. No.:865-25008031					2/5/92

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
(Traffic Signal Plan)

MD 450 and Riva Road/Connector A

DRAWN BY:	G. Cook	F.A.P. NO.	N/A	TS NO. 864XIF	SHEET NO.
CHECKED BY:	S. Renzi	S.H.A. NO.	AA685A56\B56		
SCALE:	1" = 20'	COUNTY:	Anne Arundel	T.I.M.S. NO. H584	3 OF 4
DATE:	1/26/73	LOG MILE:	02045009.67		

F:\2004\2004-0515\dgn\MD 450\sigplan2.dgn 10/3/2006