MD 24 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION

EXISTING SIGNS

13,18 — ONLY ONLY

15 — LANE ENDS Merge Right

21

17a — Tollgate Rd

14a — Emmorton Road

17b — Tollgate Rd

14b — Emmorton Road

16 — 95 SOUTH NORTH 24 24

20 — 24 95 95 — 60" X 42"

EXISTING SIGNALS

1,2,5,6 — R Y G — 12"

3,4,7,8,10,12 — R Y G — 12"

9,11 — R Y G — 12"

PROPOSED SIGNS

15

22 — NORTH MARYLAND 24

PROPOSED VIDEO DETECTION
a,b,c,d

NEMA PHASING

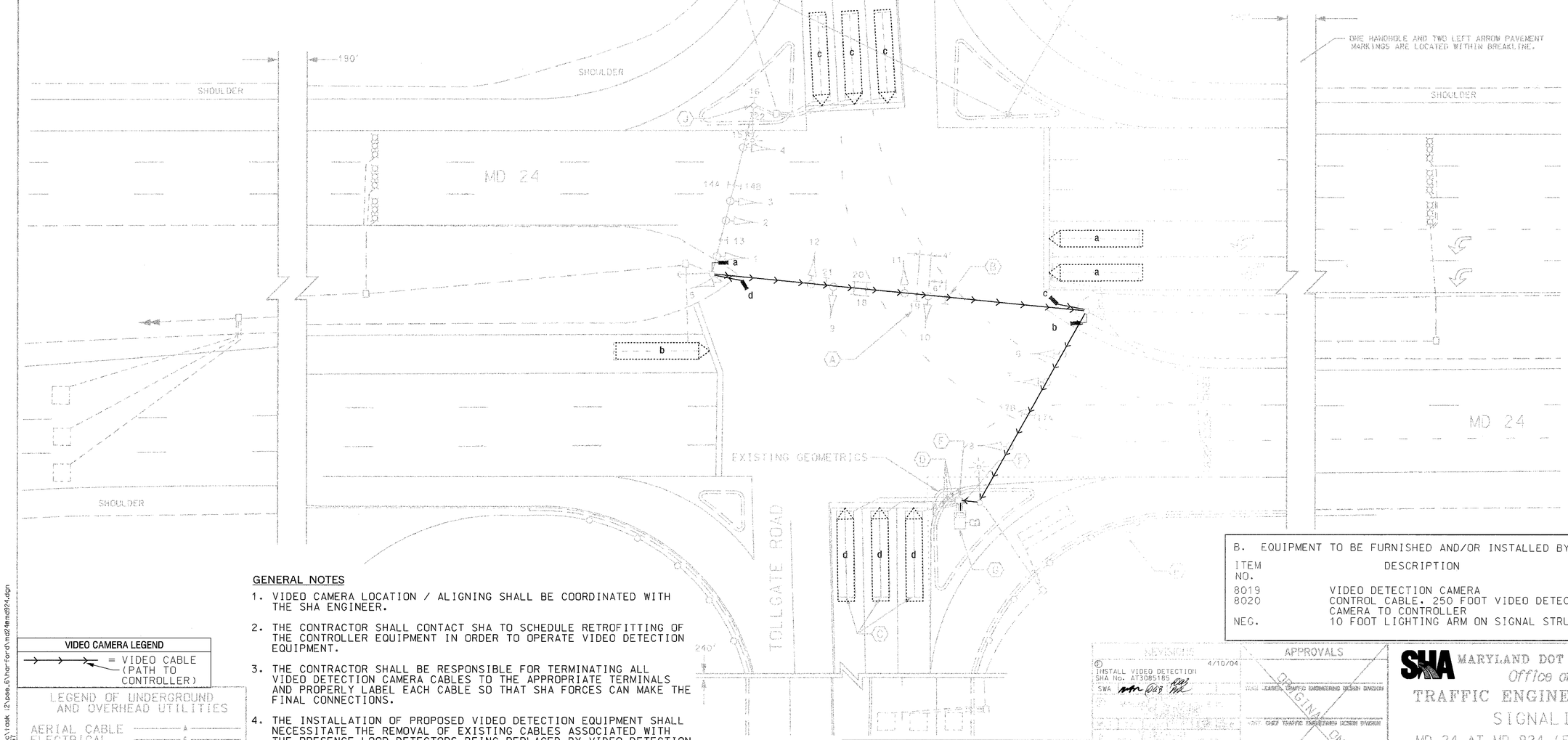
Ø 1 Ø 2 Ø 3 Ø 4

Ø 5 Ø 6

FLASHING OPERATION

PHASING NOTES:

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



B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
8019	VIDEO DETECTION CAMERA	EA	4
8020	CONTROL CABLE. 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	4
NEG.	10 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EA	2

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
4. THE INSTALLATION OF PROPOSED VIDEO DETECTION EQUIPMENT SHALL NECESSITATE THE REMOVAL OF EXISTING CABLES ASSOCIATED WITH THE PRESENCE LOOP DETECTORS BEING REPLACED BY VIDEO DETECTION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATIONS.
6. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

VIDEO CAMERA LEGEND

= VIDEO CABLE (PATH TO CONTROLLER)

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

REVISIONS

1	INSTALL VIDEO DETECTION SHA No. AT3085185	4/10/04

APPROVALS

ORIGINAL ON FILE

MANAGER, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
MD 24 AT MD 924 (EMMORTON ROAD) TOLLGATE ROAD

SHA #: HA2572A08/002 TOD #: AT308-12

DRAWN BY:	S.W.	F.A.P. NO.	TS NO. 1348XD
CHECKED BY:	L.E.S.	S.H.A. NO.	BW-511-802-412
SCALE:	1" = 20'	COUNTY:	HARFORD
DATE:	SEPT 11, 1992	LOG MILE:	T.I.M.S. NO. F-283

SHEET NO. 1 OF 3

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