EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	DESCRIPTION	QUANTITY
9086	VIDEO DETECTION INTERFACE EQUIPMENT (To be installed by signal shop)	1 EA

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

ITEM NO.	DESCRIPTION	QUANTITY
8020	VIDEO DETECTION CAMERA.	3 EA
8021	PRE MANUFACTURED CAMERA TO CONTROLLER (250' LENGTH) CABLE	2 EA
8022	PRE MANUFACTURED CAMERA TO CONTROLLER (500' LENGTH) CABLE	1 EA
1081	MOT	1 EA

NOTE: MIDDLEBROOK RD IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

17,18 — ONLY — R3-5L 30"x 36"

EXISTING SIGNS

15 — U-TURN — R3-4b (MOD) 30"X 36"

20,21 — ONLY — R3-5(L) 30" x 36"

23 — ONLY — R 3-5(R) 30"X 36"

16,19 — Great Seneca Hwy — D3-2 (VARIABLE X 18")

22 — Middlebrook Rd <12700 — D3-2 (VARIABLE X 18")

PROPOSED SIGNALS

4,5,6 — 12"

7,8 — 12"

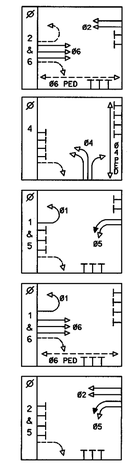
EXISTING SIGNALS

1,2 — 12"

3,9,10 — 12"

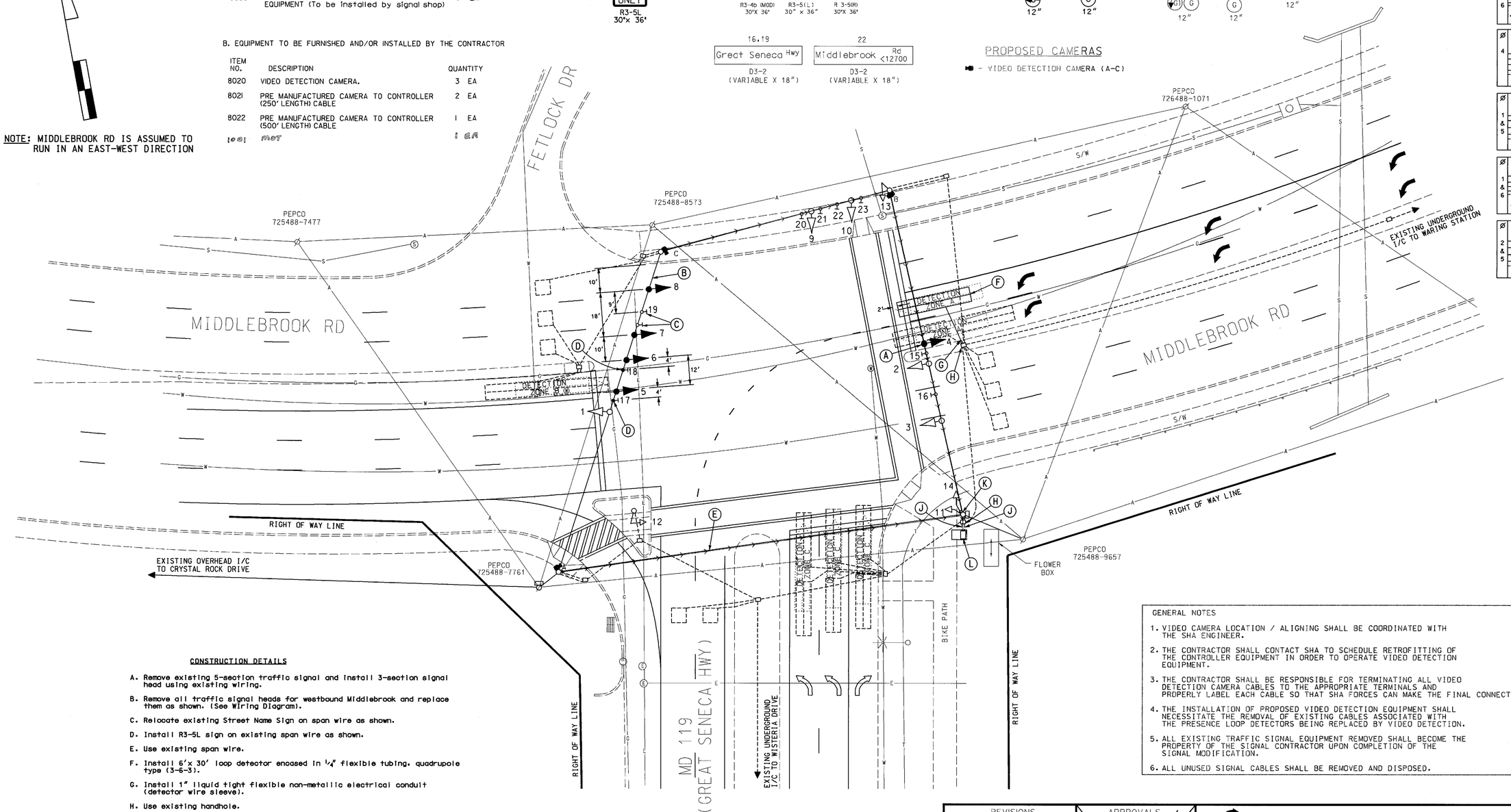
11-14 — 12"

PHASING



PROPOSED CAMERAS

- VIDEO DETECTION CAMERA (A-C)



CONSTRUCTION DETAILS

A. Remove existing 5-section traffic signal and install 3-section signal head using existing wiring.

B. Remove all traffic signal heads for westbound Middlebrook and replace them as shown. (See Wiring Diagram).

C. Relocate existing Street Name Sign on span wire as shown.

D. Install R3-5L sign on existing span wire as shown.

E. Use existing span wire.

F. Install 6'x 30' loop detector encased in 1/4" flexible tubing, quadrupole type (3-6-3).

G. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).

H. Use existing handhole.

J. Use existing conduit.

K. Use existing steel strain pole.

L. Install existing base-mounted cabinet and controller.

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 MODIFICATION.
6. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

GEOMETRIC LEGEND

PROPOSED
EXISTING

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

VIDEO CAMERA LEGEND

= VIDEO CABLE (PATH TO CONTROLLER)

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. N.W.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

46850583.dgn

REVISIONS

B	10/2004 REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO.:M07175185
JA	
A	9-23-04 ADD DUAL LEFT ON WB MIDDLEBROOK SHA. NO.: BW366M82
RRZ	

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON MONT. CO. FILE

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

MIDDLEBROOK ROAD AND
MD 119 (GREAT SENECA HIGHWAY)

SHA#: M07175185 TÓD#: M0717-04

DRAWN BY:	S R BARANOWSKI	F.A.P. NO.		TS NO. 4367	SHEET NO.
CHECKED BY:	R R ZACHERL	S.H.A. NO.			
SCALE:	1"= 20'	COUNTY:		T.I.M.S. NO. G533	1 OF 2
DATE:	2-10-97	LOG MILE:	15011907.47		