MD 65 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

12: EAST MARYLAND 68 / WEST MARYLAND 68
13: WEST MARYLAND 68 / EAST MARYLAND 68
14: NORTH MARYLAND 65 / SOUTH MARYLAND 65
15: SOUTH MARYLAND 65 / NORTH MARYLAND 65

10: NO TURN ON RED
11: Lappans Road 3-2 FACE
16: EAST MARYLAND 68 SNOW EMERGENCY ROUTE
17: WEST MARYLAND 68 SNOW EMERGENCY ROUTE
18: NORTH MARYLAND 65 SNOW EMERGENCY ROUTE
19: SOUTH MARYLAND 65
20: Jone's Crossroads
21: ADOPT A HIGHWAY SWAT TEAM
22
23: WARNING RESTRICTED BRIDGE GVW 27,000 LBS 2 MILES AHEAD

EXISTING SIGNALS

1-9: R Y G

PROPOSED SIGNAL

24: OPTICOM DETECTOR EYE

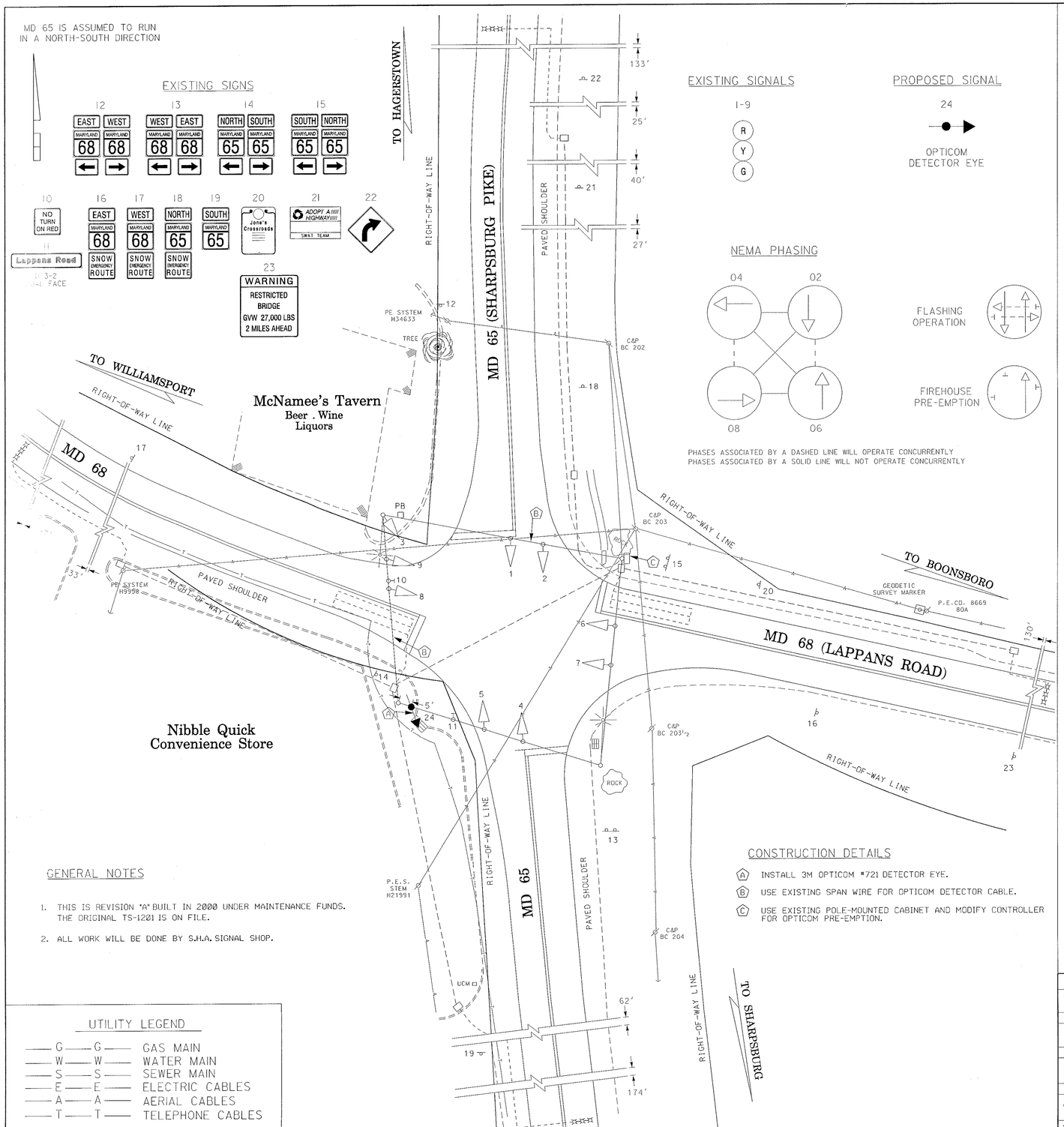
NEMA PHASING

04 02 08 06

FLASHING OPERATION

FIREHOUSE PRE-EMPTION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



GENERAL NOTES

1. THIS IS REVISION "A" BUILT IN 2000 UNDER MAINTENANCE FUNDS. THE ORIGINAL TS-1201 IS ON FILE.
2. ALL WORK WILL BE DONE BY S.H.A. SIGNAL SHOP.

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 3M OPTICOM #721 DETECTOR EYE.
(B) USE EXISTING SPAN WIRE FOR OPTICOM DETECTOR CABLE.
(C) USE EXISTING POLE-MOUNTED CABINET AND MODIFY CONTROLLER FOR OPTICOM PRE-EMPTION.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF EMERGENCY SERVICES (TRAFFIC SIGNAL PRE-EMPTION - OPTICOM) AT THE INTERSECTION OF MD 65 (SHARPSBURG PIKE) AND MD 68 (LAPPANS ROAD) IN LAPPANS, WASHINGTON COUNTY. MD 65 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EQUIPMENT LIST A

EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE S.H.A. SIGNAL SHOP.

ITEM NOS.	QUANTITY	SPEC. SECTION	DESCRIPTION
9000	1 EACH	820	"D" Panel with harness.
9008	1 EACH	820	Opticom detector eye.
9001	1 EACH	820	360 opticom detector rack.
9009	1 EACH	820	Opticom discrimination module (562).
9000	250 L.F.	820	4-conductor opticom detector cable.
9000	3 EACH	820	3M opticom emitter system 500 series, visible light filter and hardware.

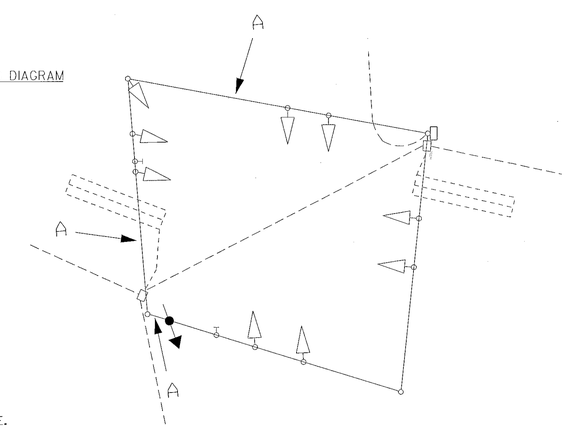
PHASE CHART

	1	2	3	4	5	6	7	8	9
Phase 2 & 6	G	G	G	G	G	R	R	R	R
2 & 6 change	Y	Y	Y	Y	Y	R	R	R	R
Phase 4 & 8	R	R	R	R	R	G	G	G	G
4 & 8 change	R	R	R	R	R	Y	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

FIREHOUSE PRE-EMPTION

Pre-emption Phase 2 & 6	G	G	G	R	R	R	R	R	R
Pre-emption Clearance	Y	Y	Y	R	R	R	R	R	R
Normal Operation Phase 2 & 6	G	G	G	G	G	R	R	R	R

WIRING DIAGRAM



WIRING KEY

A - 4-CONDUCTOR OPTICOM DETECTOR CABLE.

REVISIONS	APPROVALS
(A) INSTALL TRAFFIC SIGNAL PRE-EMPTION (OPTICOM) FOR NORTHBOUND MD 65 06/2000 SHA NO.: (MAINTENANCE)	ORIGINAL — TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION; ON — ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION; FILE — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION; DIRECTOR, TRAFFIC & SAFETY

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

MD 65 (SHARPSBURG PIKE) AND MD 68 (LAPPANS ROAD)

DRAWN BY:	B. THOMPSON	F.A.P. NO.		TS NO. 1201 A	SHEET NO.
CHECKED BY:	W. RICHARDSON	S.H.A. NO.	AW-343-502-085		
SCALE:	1" = 20'	COUNTY:	WASHINGTON	T.I.M.S. NO. D-887	1 OF 1
DATE:	8-12-77	LOG MILE:	21006506.80		