US 1 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

EXISTING SIGNS

13 — MAIN ST

14 — ONLY — R3-5(L) (36"X42")

15 — R3-2 (36"X36")

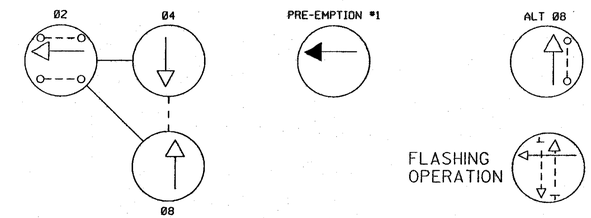
EXISTING SIGNALS

1,2 — R Y G — 12"

3,4 5,6 — R Y G — 8"

7,8,9 10,11,12 — 12"

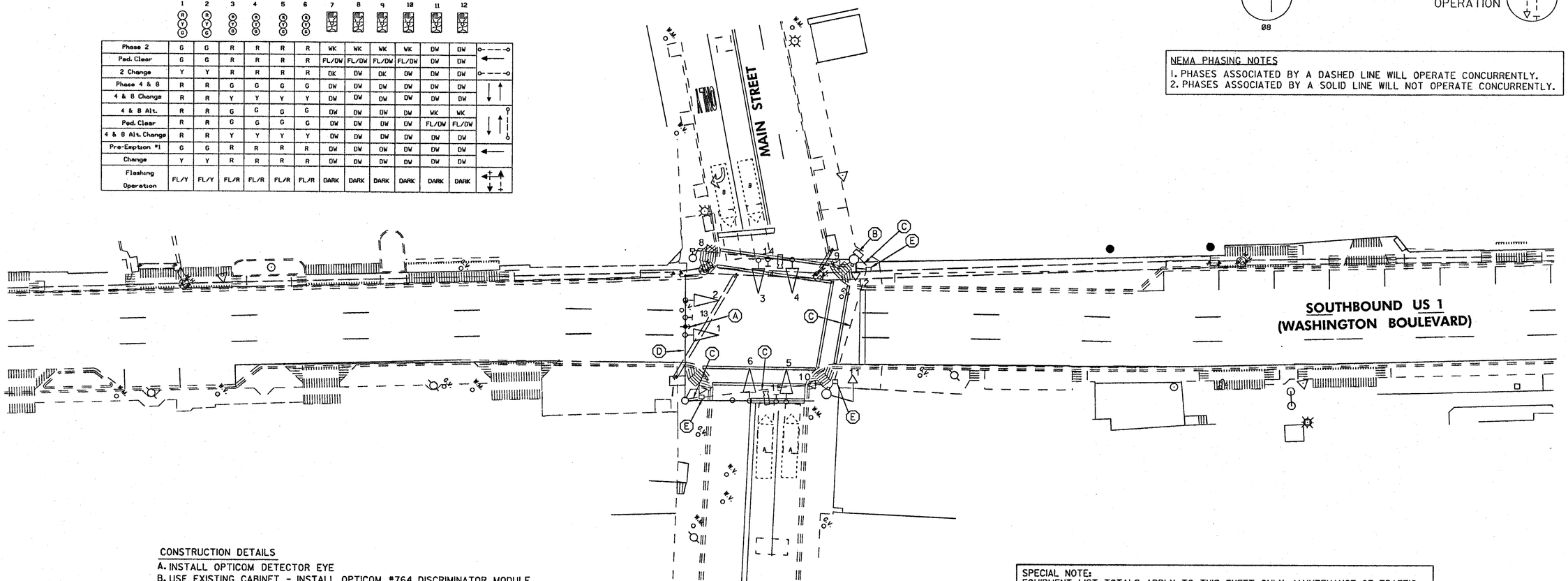
NEMA PHASING



NEMA PHASING NOTES
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
Phase 2	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW
Ped. Clear	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 Change	Y	Y	R	R	R	R	DK	DW	DK	DW	DW	DW
Phase 4 & 8	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW
4 & 8 Change	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
4 & 8 Alt.	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK
Ped. Clear	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW
4 & 8 Alt. Change	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
Pre-Emption #1	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW
Change	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK



CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE
B. USE EXISTING CABINET - INSTALL OPTICOM #764 DISCRIMINATOR MODULE
C. USE EXISTING CONDUIT - INSTALL 4 CONDUCTOR OPTICOM DETECTOR CABLE
D. INSTALL 4 CONDUCTOR OPTICOM DETECTOR CABLE
E. USE EXISTING HANDHOLE

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	NONE	

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

ITEM NO.	QUANTITY	DESCRIPTION
8059	1 EA	OPTICOM #764 DISRIMINATOR MODULE
8061	1 EA	OPTICOM #721 DETECTOR EYE
8079	205 LF	4 CONDUCTOR OPTICOM CABLE

SPECIAL NOTE:
EQUIPMENT LIST TOTALS APPLY TO THIS SHEET ONLY. MAINTENANCE OF TRAFFIC, REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT, AND PROJECT TOTALS FOR ALL OTHER ITEMS ARE SHOWN ON THE GENERAL INFORMATION SHEET.

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

RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TEL: (410) 728-2900 FAX: (410) 383-3270

REVISIONS

C	INSTALL OPTICOM PRE-EMPTION FOR SOUTHBOUND TRAFFIC SHA NO. AT6045185 12/04					
MAM	DRAWING				BCK	
F	SHA NO. PG1115283 2/02					
SMA	CJS	MAR			BRK	
E	PROVIDE PED SIGS. PB'S. SW & CROSSWALKS N LEG US 1 & SMS 9/93					
DJD	DAZ	ETP			ETP	
D	AS BUILD 11/91					
RHZ						

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

SHA#: ~~PG1057A58/1058~~ TOD#: AT1404-14

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
SOUTHBOUND US 1 (WASHINGTON BOULEVARD) AND MAIN STREET

DRAWN BY:	TW	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	SR	S.H.A. NO.	PG1115284	1547 G	
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO.	
DATE:	SEPTEMBER, 2002	LOG MILE:	16000113.99	0493	7 OF 13