PROPOSED SIGN

17 — R3-5 L, 30 IN X 36 IN

SIGNS

19 — R3-5 L, 30 IN X 36 IN

D3-2 DUAL FACE

14A,16 — Old Chapel Rd

14,16A — Old Chapel Rd

18 — Laurel Bowie Rd

D3-2 SINGLE FACE

13,15 — LEFT TURN YIELD ON GREEN, R 18-12, 36"X42"

SIGNALS

1,4 — 12" Y, 12" G, R 8", Y 8", G 8"

2,5 — R, Y, G

3,6-10 — R, Y, G

11,12

OPTICOM DETECTOR EYE → 21

NEMA PHASING

Ø1, Ø2, Ø4, Ø5, Ø6, Ø8

Ø4 + Ø8 Alt

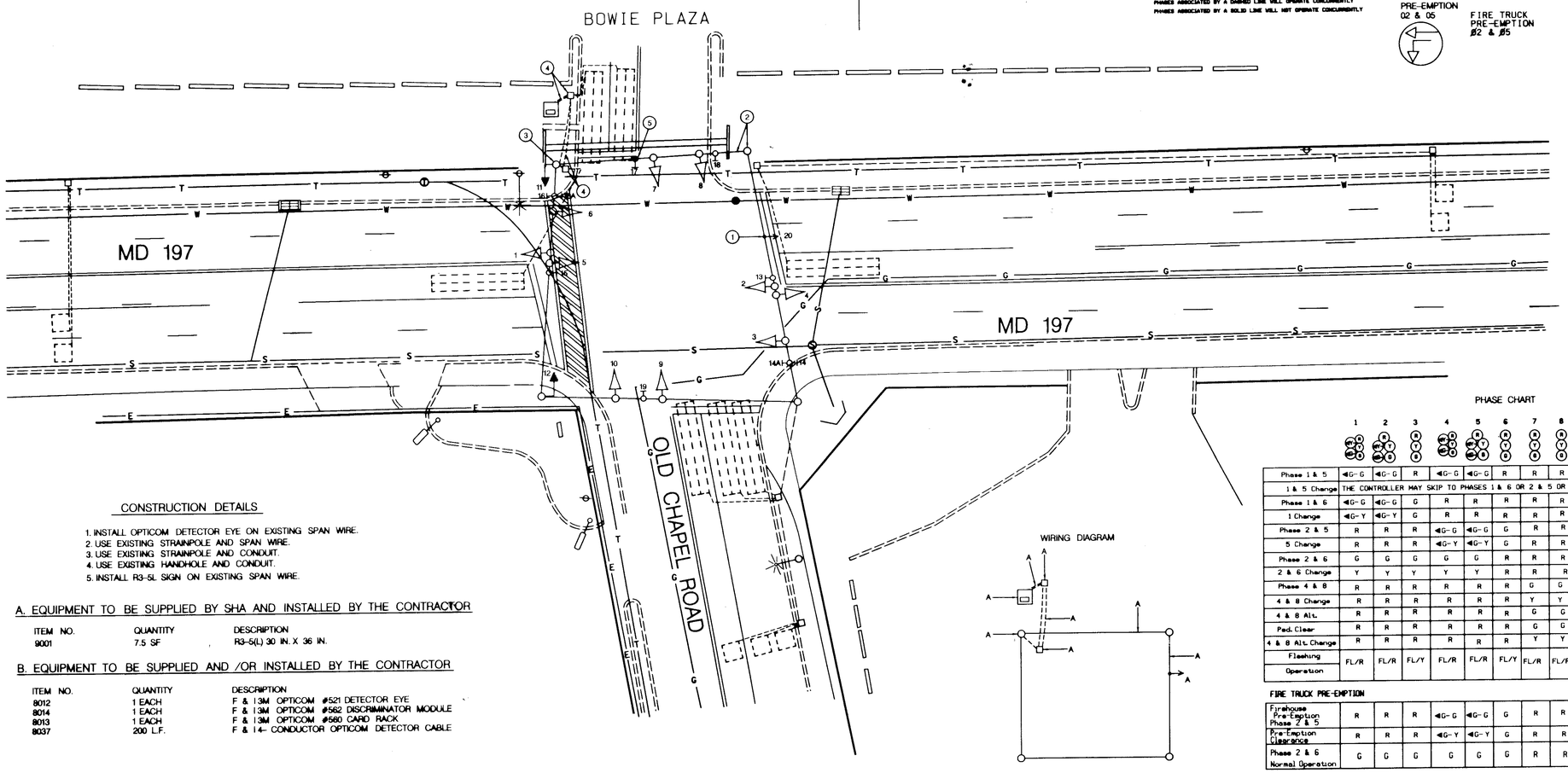
FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

FIREHOUSE PRE-EMPTION Ø2 & Ø5

FIRE TRUCK PRE-EMPTION Ø2 & Ø5



CONSTRUCTION DETAILS

1. INSTALL OPTICOM DETECTOR EYE ON EXISTING SPAN WIRE.
2. USE EXISTING STRAINPOLE AND SPAN WIRE.
3. USE EXISTING STRAINPOLE AND CONDUIT.
4. USE EXISTING HANDHOLE AND CONDUIT.
5. INSTALL R3-5L SIGN ON EXISTING SPAN WIRE.

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
9001	7.5 SF	R3-5(L) 30 IN. X 36 IN.

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

ITEM NO.	QUANTITY	DESCRIPTION
8012	1 EACH	F & I 3M OPTICOM #521 DETECTOR EYE
8014	1 EACH	F & I 3M OPTICOM #562 DISCRIMINATOR MODULE
8013	1 EACH	F & I 3M OPTICOM #560 CARD RACK
8037	200 L.F.	F & I 4- CONDUCTOR OPTICOM DETECTOR CABLE

WIRING DIAGRAM

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11-12	
Phase 1 & 5	◀G-G	◀G-G	R	◀G-G	◀G-G	R	R	R	R	R	DW	
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6											
Phase 1 & 6	◀G-G	◀G-G	G	R	R	R	R	R	R	R	DW	
1 Change	◀G-Y	◀G-Y	G	R	R	R	R	R	R	R	DW	
Phase 2 & 5	R	R	R	◀G-G	◀G-G	G	R	R	R	R	DW	
5 Change	R	R	R	◀G-Y	◀G-Y	G	R	R	R	R	DW	
Phase 2 & 6	G	G	G	G	G	R	R	R	R	R	DW	
2 & 6 Change	Y	Y	Y	Y	Y	R	R	R	R	R	DW	
Phase 4 & 8	R	R	R	R	R	R	G	G	G	G	DW	
4 & 8 Change	R	R	R	R	R	R	Y	Y	Y	Y	DW	
4 & 8 Alt.	R	R	R	R	R	R	G	G	G	G	WK	
Ped. Clear	R	R	R	R	R	R	G	G	G	G	FL/DW	
4 & 8 Alt. Change	R	R	R	R	R	R	Y	Y	Y	Y	DW	
Flashing Operation	FL/R	FL/R	FL/Y	FL/R	FL/R	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	

FIRE TRUCK PRE-EMPTION

Firehouse Pre-Emption Phase 2 & 5	R	R	R	◀G-G	◀G-G	G	R	R	R	R	DW	
Pre-Emption Clearance	R	R	R	◀G-Y	◀G-Y	G	R	R	R	R	DW	
Phase 2 & 6 Normal Operation	G	G	G	G	G	G	R	R	R	R	DW	

UTILITY LEGEND

- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- A — AERIAL CABLES
- T — TELEPHONE CABLES

REVISIONS				
A	ADD PED INDICATIONS TO SOUTH LEG OF MD 197 INSTALL NEARSIDE SIGNAL HEAD			
B	698 INSTALL OPTICOM			

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 197 AND OLD CHAPEL ROAD

DRAWN BY: DBO 698	F.A.P. NO. P-708-501-385	TS NO. TS-1784 B	SHEET NO. 4 OF 7
CHECKED BY:	S.H.A. NO. AW277A5K/B5K		
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	
DATE: JUNE 1980	LOG MILE:		

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