EXISTING SIGNALS & SIGNS

PROPOSED SIGNALS

21.22

OPTICOM DETECTION

CONSTRUCTION DETAILS

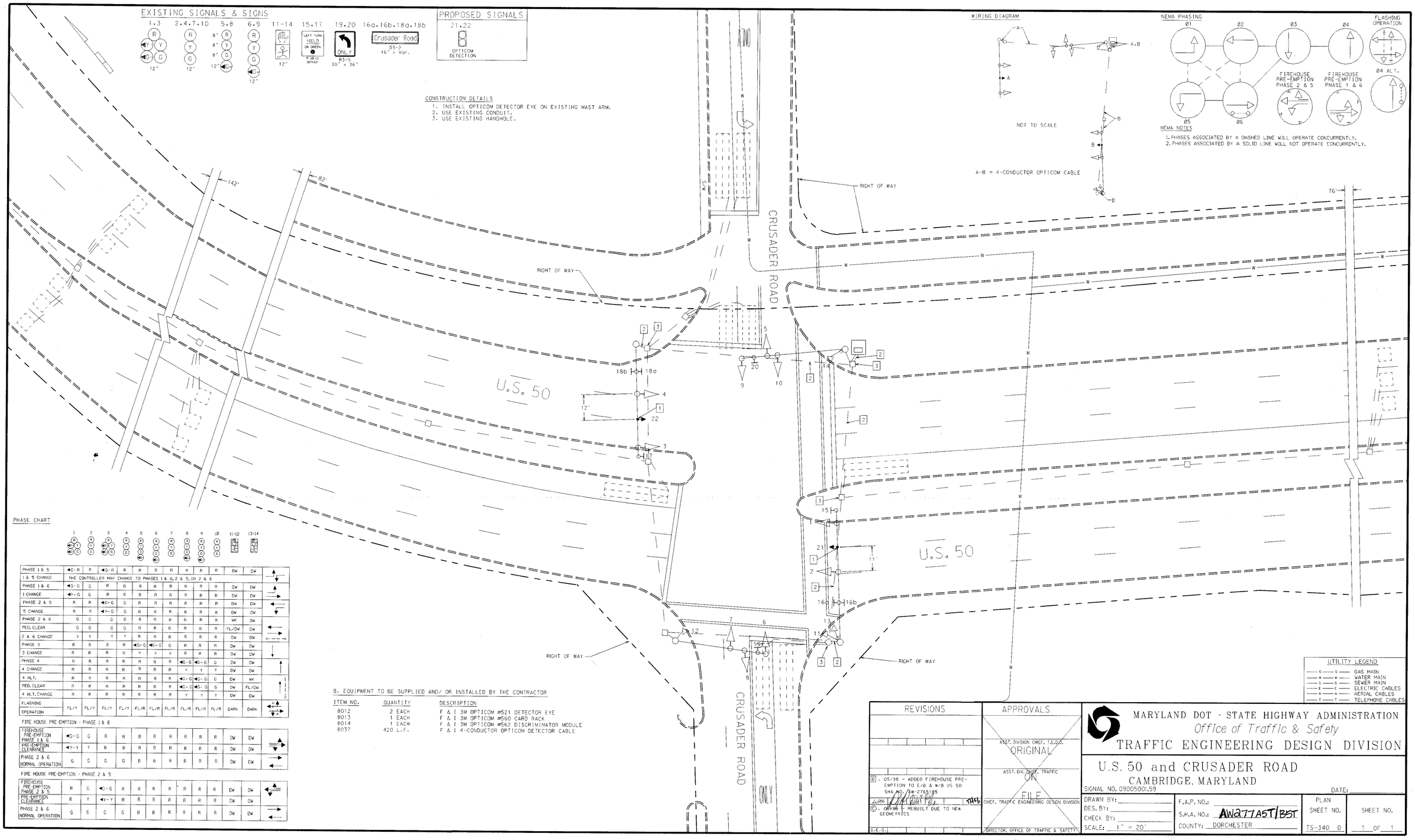
1. INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM.
2. USE EXISTING CONDUIT.
3. USE EXISTING HANDHOLE.

WIRING DIAGRAM

NEMA PHASING

NEMA 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	13-14
PHASE 1 & 5	◄G-R	R	◄G-R	R	R	R	R	R	R	R	DW	DW
1 & 5 CHANGE	THE CONTROLLER MAY CHANGE TO PHASES 1 & 6, 2 & 5, OR 2 & 6											
PHASE 1 & 6	◄G-G	G	R	R	R	R	R	R	R	R	DW	DW
1 CHANGE	◄Y-G	G	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 5	R	R	◄G-G	G	R	R	R	R	R	R	DW	DW
5 CHANGE	R	R	◄Y-G	G	R	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	R	R	R	R	WK	DW
PED. CLEAR	G	G	G	G	R	R	R	R	R	R	FL/DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	◄G-G	◄G-G	G	R	R	R	DW	DW
3 CHANGE	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
PHASE 4	R	R	R	R	R	R	R	◄G-G	◄G-G	G	DW	DW
4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
4 ALT.	R	R	R	R	R	R	R	◄G-G	◄G-G	G	DW	WK
PED. CLEAR	R	R	R	R	R	R	R	◄G-G	◄G-G	G	DW	FL/DW
4 ALT. CHANGE	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

FIRE HOUSE PRE-EMPTION - PHASE 1 & 6

FIREHOUSE PRE-EMPTION PHASE 1 & 6	◄G-G	G	R	R	R	R	R	R	R	R	DW	DW
PRE-EMPTION CLEARANCE	◄Y-Y	Y	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 6 NORMAL OPERATION	G	G	G	G	R	R	R	R	R	R	DW	DW

FIRE HOUSE PRE-EMPTION - PHASE 2 & 5

FIREHOUSE PRE-EMPTION PHASE 2 & 5	R	G	◄G-G	R	R	R	R	R	R	R	DW	DW
PRE-EMPTION CLEARANCE	R	Y	◄Y-Y	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 6 NORMAL OPERATION	G	G	G	G	R	R	R	R	R	R	DW	DW

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

ITEM NO.	QUANTITY	DESCRIPTION
8012	2 EACH	F & I 3M OPTICOM #521 DETECTOR EYE
8013	1 EACH	F & I 3M OPTICOM #560 CARD RACK
8014	1 EACH	F & I 3M OPTICOM #562 DISCRIMINATOR MODULE
8037	420 L.F.	F & I 4-CONDUCTOR OPTICOM DETECTOR CABLE

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

REVISIONS	APPROVALS
B. 05/98 - ADDED FIREHOUSE PRE-EMPTION TO E/B & W/B US 50 SHA NO. AW-276185	ASST. DIVISION CHIEF, T.E.D.D. ORIGINAL
C. 08/98 - REBUILT DUE TO NEW GEOMETRICS	ASST. DIV. CHIEF, TRAFFIC ON FILE
G.E.G.	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 50 and CRUSADER ROAD

CAMBRIDGE, MARYLAND

SIGNAL NO. 09005001.59

DATE:

DRAWN BY:

DES. BY:

CHECK BY:

SCALE: 1" = 20'

F.A.P. NO.:

S.H.A. NO.: AW277A5T/B5T

COUNTY: DORCHESTER

PLAN SHEET NO. TS-340 D

SHEET NO. 1 OF 1

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