MD 198 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNALS

1–4: R, Y, G — 12"
5–6 — 12"
7–8: Y — 12"

EXISTING SIGNS

9: Seventh Street
D3-2 DUAL FACE SIGN VAR.x16"

10: 25 MPH
W13-14 48"x48"

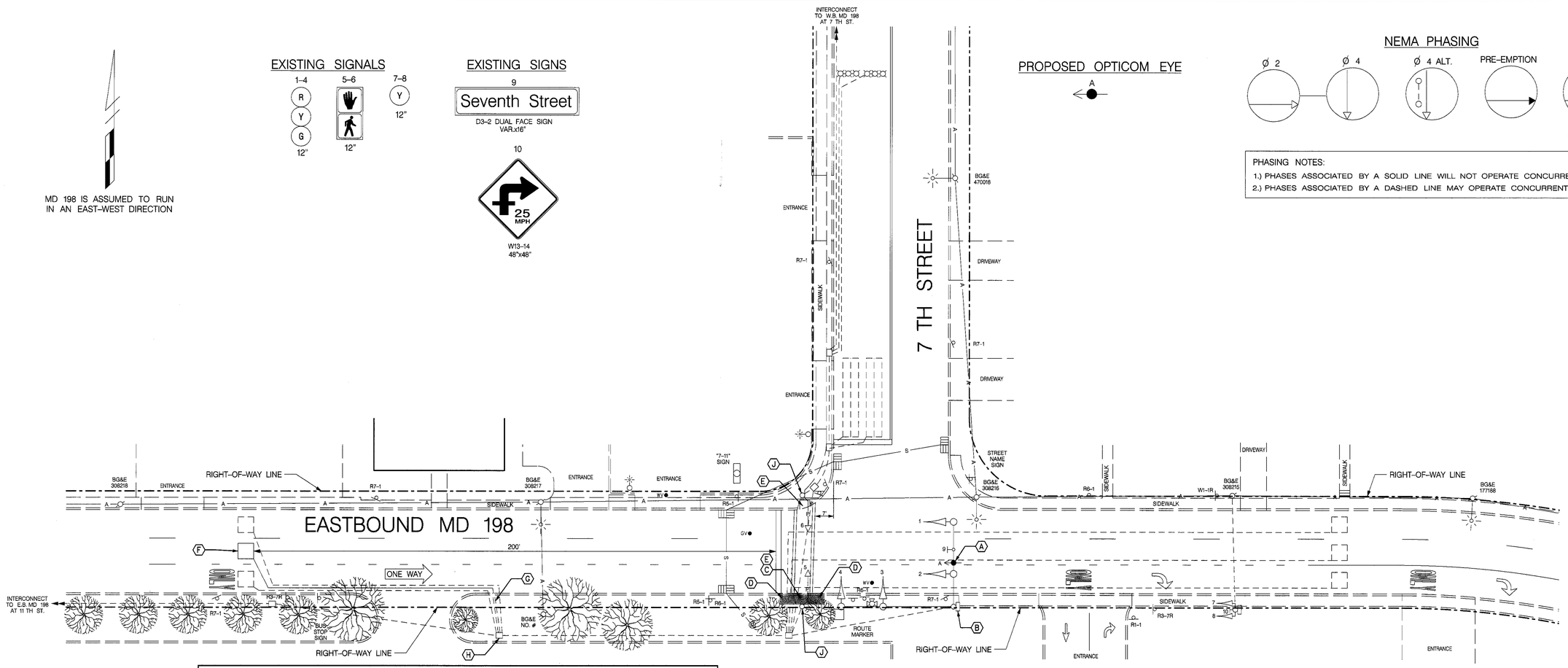
PROPOSED OPTICOM EYE

A

NEMA PHASING

Ø 2, Ø 4, Ø 4 ALT., PRE-EMPTION, FLASHING OPERATION

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



PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF EASTBOUND MD 198 AND SEVENTH STREET IN PRINCE GEORGE'S COUNTY. MD 198 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A TWO-PHASE SEMI-ACTUATED MODE WITH AN ALTERNATE PEDESTRIAN PHASE ACROSS THE WEST LEG OF MD 198. THE PHASING WILL BE CHANGED TO INCLUDE AN EASTBOUND MD 198 PRE-EMPTION PHASE.

PROJECT CONSTRUCTION

WORK WILL INCLUDE INSTALLING AN OPTICOM PRE-EMPTION SYSTEM, INSTALLING A SIDEWALK RAMP AND REPLACING DETECTION.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SHA.

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	DETECTOR RACK POWER SUPPLY
9016	3 EA	FOUR CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER
9046	1 EA	DETECTOR RACK RETROFIT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
6001	20 LF	FURNISH AND INSTALL DEPRESSED CURB AND GUTTER
6004	65 SF	FURNISH AND INSTALL 4 IN. CONCRETE SIDEWALK
8027	.SF	FURNISH AND INSTALL DETECTABLE WARNING SURFACES
8033	20 LF	FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT – GALVANIZED SLEEVE
8060	1 EA	FURNISH AND INSTALL DISCRIMINATOR MODULE, 4 CHANNEL NO. 76
8061	1 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE
8079	60 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE
8088	350 LF	FURNISH AND INSTALL LOOP WIRE IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8089	150 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)

PHASE CHART

	1	2	3	4	5	6
PHASE 2	G	G	R	R	DW	DW
2 CHANGE	Y	Y	R	R	DW	DW
PHASE 4	R	R	G	G	DW	DW
4 CHANGE	R	R	Y	Y	DW	DW
PHASE 4 ALT	R	R	G	G	FL-WK	FL-WK
PED CLEAR	R	R	G	G	FL-DW	FL-DW
4 ALT CHANGE	R	R	Y	Y	DW	DW
PRE-EMPTION	G	G	R	R	DW	DW
CHANGE	Y	Y	R	R	DW	DW
FLASHING OPERATION	FLY	FLY	FLR	FLR	DARK	DARK

CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE
B. INSTALL DISCRIMINATOR MODULE, DETECTOR RACK, AND LOOP DETECTOR AMPLIFIERS INTO EXISTING POLE MOUNTED CONTROLLER
C. INSTALL SIDEWALK RAMP (SEE STANDARD NO. 655.11)
D. INSTALL 4 FT. X 5 FT., 4 IN. CONCRETE SIDEWALK
E. INSTALL DETECTABLE WARNING SURFACES
F. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (4-TURNS)
G. INSTALL 1 IN. GALVANIZED CONDUIT FOR DETECTOR SLEEVE
H. SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR CABLE IN HANDHOLE
J. RELOCATE PEDESTRIAN PUSHBUTTON TO 36 IN. HEIGHT

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. INSTALL 4-CONDUCTOR OPTICOM CABLE FROM THE PROPOSED OPTICOM DETECTOR EYE, ALONG THE MAST ARM, DOWN THE POLE TO THE POLE MOUNTED CABINET.
3. THE QUANTITIES SHOWN ON THIS SHEET ARE FOR THIS INTERSECTION ONLY. QUANTITIES FOR THE ENTIRE PROJECT ARE SUMMARIZED ON THE GENERAL INFORMATION SHEET.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

REVISIONS

A. INSTALL OPTICOM PRE-EMPTION — 9-23-2004 — SHA. NO. AT6045185 — TMZ

APPROVALS

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

ORIGINAL ON FILE

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

TRAFFIC SIGNAL PLAN
EASTBOUND MD 198 AND SEVENTH STREET

DRAWN BY:	W. RICHARDSON	F.A.P. NO.		TS NO. 1980 A	SHEET NO. 2 OF 11
CHECKED BY:	S. RENZI	S.H.A. NO.	P 831-501-385		
SCALE:	1"=20'	COUNTY:	PRINCE GEORGE'S	T.I.M.S. NO. G492	
DATE:	7-12-84	LOG MILE:	16019803.05		

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