ASSUMED TO RUN
WEST DIRECTION

EXISTING SIGNALS

1–6 R Y G 12"

7–14 12"

EXISTING VIDEO DETECTION CAMERAS

A

EXISTING SIGNS

15 8TH STREET — D3–1 SINGLE FACE SIGN (VAR. X 16")

16 R3–2 (30" x 30")

17 R3–1 (30" x 30")

18,19 S2–1 (30" X 30") M6–2 (21" X 15")

20 EAST MARYLAND 198 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

21 EAST MARYLAND 198 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

PROPOSED OPTICOM EYE

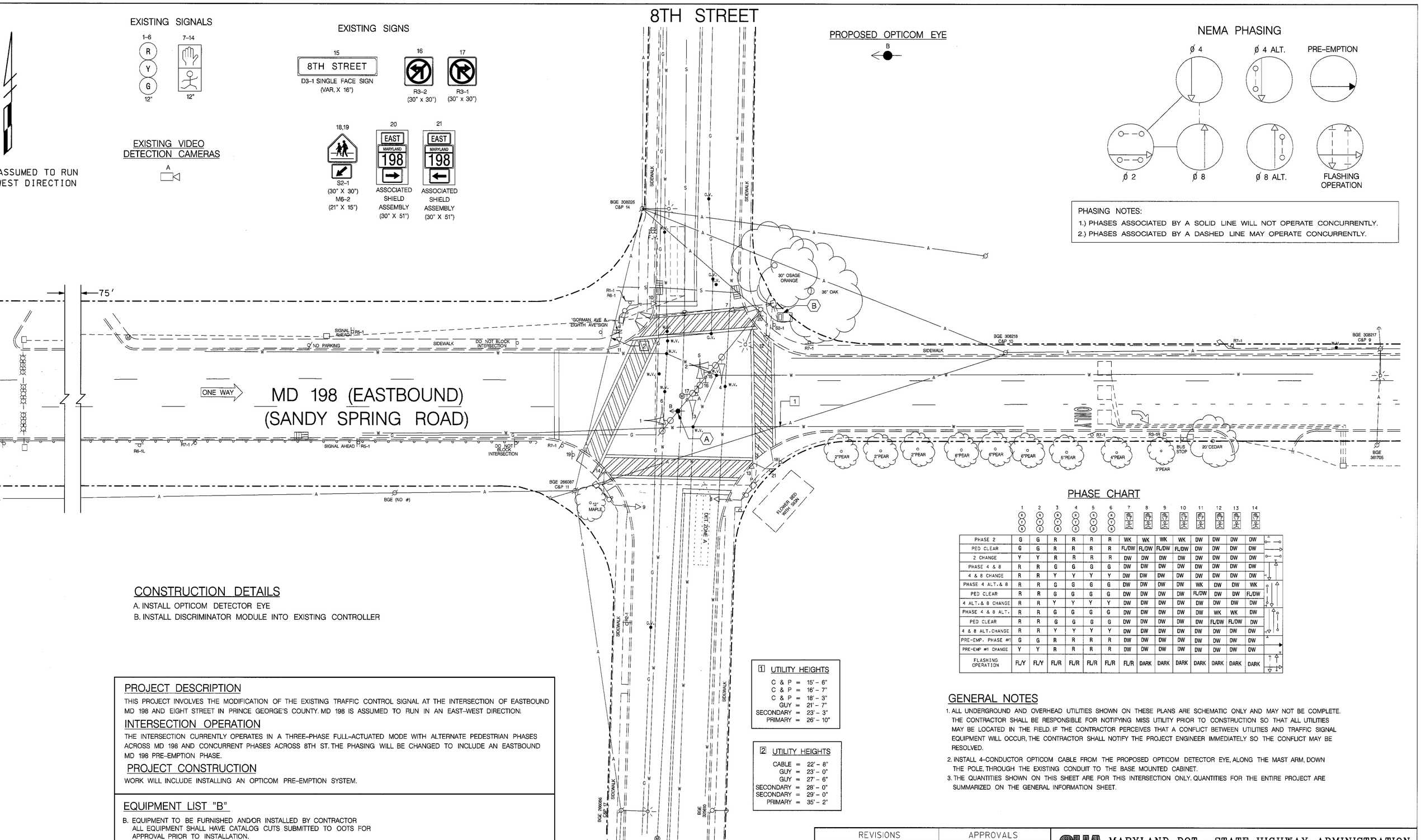
B

NEMA PHASING

PHASING NOTES:

1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 2	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEAR	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 CHANGE	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT.& 8	R	R	G	G	G	G	DW	DW	DW	DW	WK	DW	DW	WK
PED CLEAR	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	DW	DW	FL/DW
4 ALT.& 8 CHANGE	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 ALT.	R	R	G	G	G	G	DW	DW	DW	DW	DW	WK	WK	DW
PED CLEAR	R	R	G	G	G	G	DW	DW	DW	DW	DW	FL/DW	FL/DW	DW
4 & 8 ALT.CHANGE	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMP. PHASE #1	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMP #1 CHANGE	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK

CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE

B. INSTALL DISCRIMINATOR MODULE INTO EXISTING CONTROLLER

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF EASTBOUND MD 198 AND EIGHT 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 THREE–PHASE FULL–ACTUATED MODE WITH ALTERNATE PEDESTRIAN PHASES ACROSS MD 198 AND CONCURRENT PHASES ACROSS 8TH ST. 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.

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
8059	1 EA	FURNISH AND INSTALL DISCRIMINATOR MODULE, 4 CHANNEL, NO. 76
8061	1 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE
8079	120 LF	FURNISH AND INSTALL 4–CONDUCTOR OPTICOM CABLE

1 UTILITY HEIGHTS

C & P = 15' – 6"
C & P = 16' – 7"
C & P = 18' – 3"
GUY = 21' – 7"
SECONDARY = 23' – 3"
PRIMARY = 26' – 10"

2 UTILITY HEIGHTS

CABLE = 22' – 8"
GUY = 23' – 0"
GUY = 27' – 6"
SECONDARY = 28' – 0"
SECONDARY = 29' – 0"
PRIMARY = 35' – 2"

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, THROUGH THE EXISTING CONDUIT TO THE BASE 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.

UNDERGROUND
HEAD UTILITIES

A
E
T
G
S
W
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
MO TZ

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

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

EASTBOUND MD 198 AND 8TH STREET

DRAWN BY:	S.BLOSS	F.A.P. NO.	N/A	TS NO. 3753A	SHEET NO.
CHECKED BY:	T. HANNON	S.H.A. NO.	AW277A5A/B5A		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGES	T.I.M.S. NO. G492	3 OF 11
DATE:	1-20-1998	LOG MILE:	16019802.97		

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