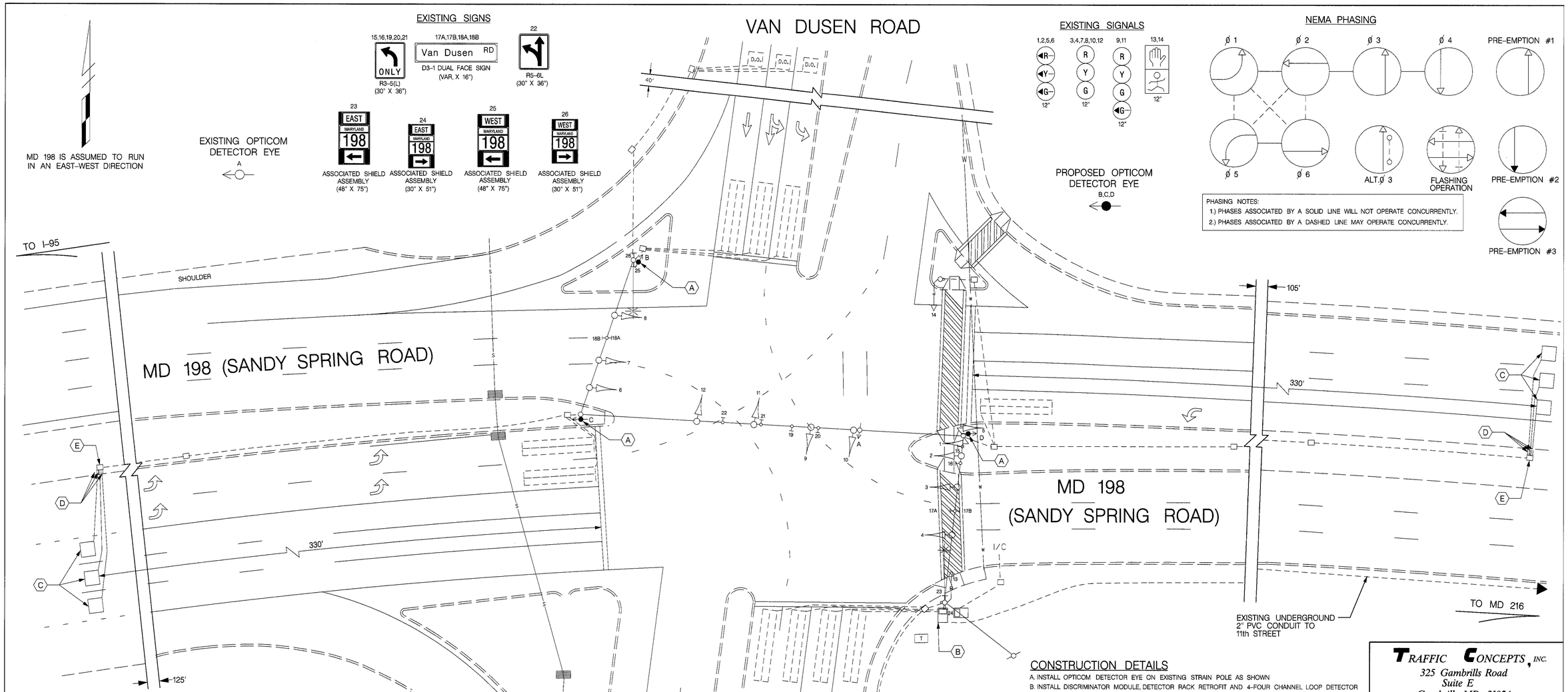

PROJECT DESCRIPTION

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

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A SIX PHASE FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR E.B. AND W.B. MD 198 AND SIDE STREET SPLIT PHASING. AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE EAST LEG OF MD 198 AND AN EXISTING PRE-EMPTION PHASE EXIST FOR N.B. VAN DUSEN ROAD.

PROJECT CONSTRUCTION

WORK WILL INCLUDE INSTALLING E.B. AND W.B. MD 198 AND S.B. VAN DUSEN ROAD PRE-EMPTION AND REPLACING DETECTION.

EQUIPMENT LIST "A"

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

ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EA	DETECTOR RACK POWER SUPPLY
9016	4 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
8045	50 LF	FURNISH AND INSTALL 1 IN.LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8059	1 EA	FURNISH AND INSTALL DISCRIMINATOR MODULE, 4 CHANNEL, NO. 76
8061	3 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE
8079	800 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE
8088	1040 LF	FURNISH AND INSTALL LOOP WIRE IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8089	350 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)

CONSTRUCTION DETAILS

A. INSTALL OPTICOM DETECTOR EYE ON EXISTING STRAIN POLE AS SHOWN
B. INSTALL DISCRIMINATOR MODULE, DETECTOR RACK RETROFIT AND 4-FOUR CHANNEL LOOP DETECTOR AMPLIFIERS IN EXISTING BASE MOUNTED CABINET
C. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (4-TURNS)
D. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
E. SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR CABLE IN HANDHOLE

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

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. THE QUANTITIES SHOWN ON THIS SHEET ARE FOR THIS INTERSECTION ONLY. QUANTITIES FOR THE ENTIRE PROJECT ARE SUMMARIZED ON THE GENERAL INFORMATION SHEET.
3. INSTALL 4-CONDUCTOR OPTICOM CABLE FROM THE PROPOSED OPTICOM DETECTOR EYES, ALONG THE SPAN WIRE, DOWN THE POLE, THROUGH THE EXISTING CONDUIT TO THE BASE MOUNTED CABINET.
4. DISCONNECT AND ABANDON EXISTING MD 198 PASSAGE DETECTION.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISIONS						
G	INSTALL OPTICOM PRE-EMPTION					
11-15-04		SHA NO. AT6045185				
TZ	DJR	AWA				
F	INSTALLATION OF PEDESTRIAN SIGNAL					
06-2002		SHA NO. XX1066285				
J.H.						
E	ASBUILT					
7-8-1998		SHA NO. PG1305177				
R.R.Z.						
D	INSTALL NEW POLES IN E. & W. MEDIANS & DOUBLE LEFT TURN E/B MD 198					
9-15-1996		SHA NO. PG1305177				
J.H.	D.J.D.	D.A.Z.	B.A.K.		T.H.	

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
MD 198 AND VAN DUSEN ROAD

DRAWN BY:	M. SCHNEDER	F.A.P. NO.		TS NO. 242G	SHEET NO.
CHECKED BY:		S.H.A. NO.	P-224X-375		
SCALE:	1" = 20'	COUNTY:	PRINCE GEORGES	T.I.M.S. NO. G491	3 OF 8
DATE:	6-18-1971	LOG MILE:	16019802.19		

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