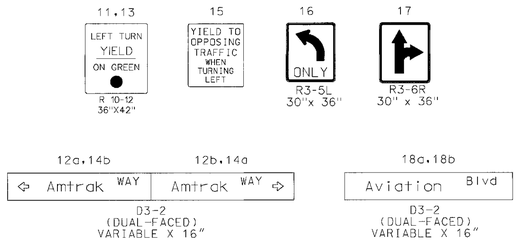
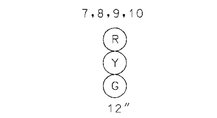
NOTE:
MD170 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS

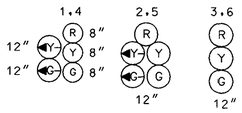


EXISTING SIGNALS



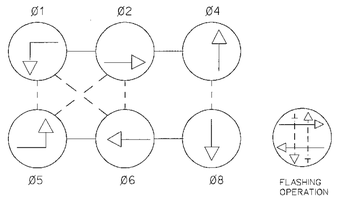
OPTICOM DETECTOR EYE

PROPOSED SIGNALS

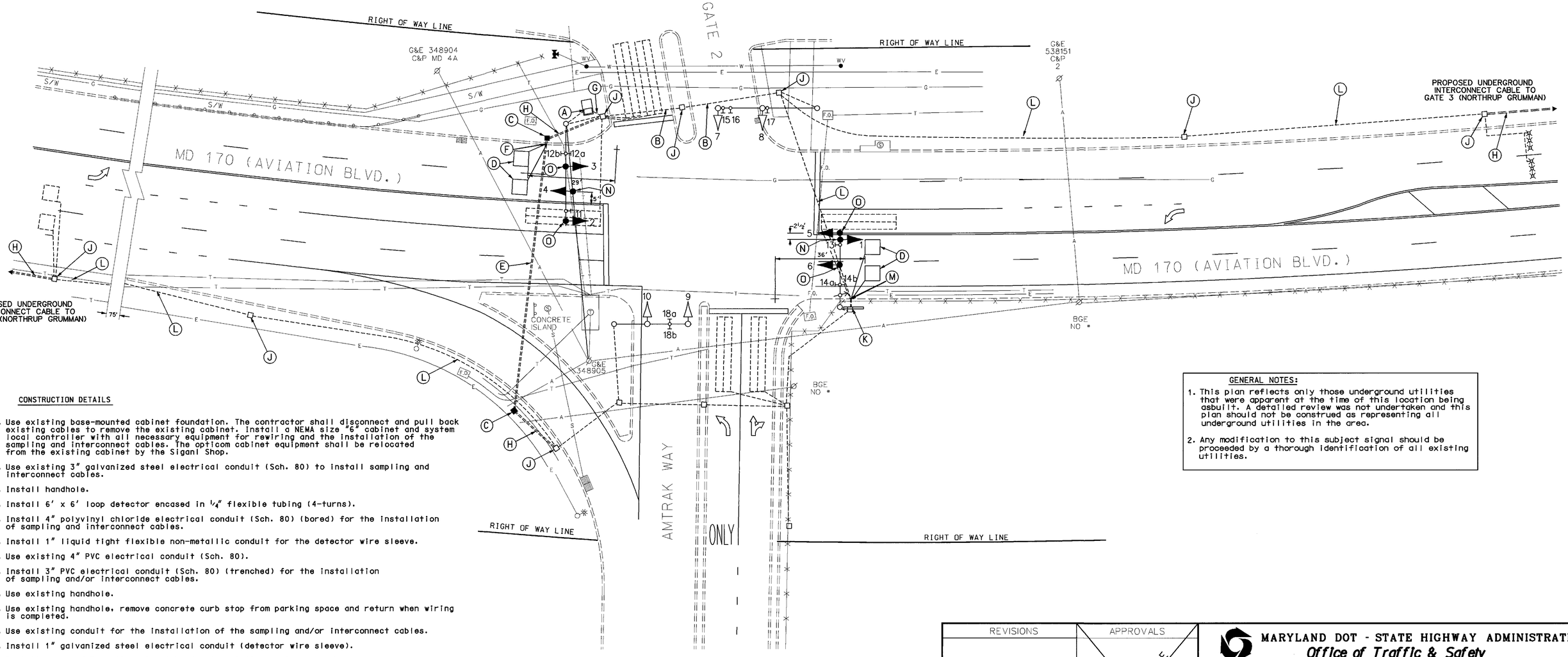


(SIGNALS TO BE BLACK FACED)

NEMA PHASING



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



CONSTRUCTION DETAILS

A. Use existing base-mounted cabinet foundation. The contractor shall disconnect and pull back existing cables to remove the existing cabinet. Install a NEMA size "6" cabinet and system local controller with all necessary equipment for rewiring and the installation of the sampling and interconnect cables. The opticom cabinet equipment shall be relocated from the existing cabinet by the Siganl Shop.

B. Use existing 3" galvanized steel electrical conduit (Sch. 80) to install sampling and interconnect cables.

C. Install handhole.

D. Install 6' x 6' loop detector encased in ¼" flexible tubing (4-turns).

E. Install 4" polyvinyl chloride electrical conduit (Sch. 80) (bored) for the installation of sampling and interconnect cables.

F. Install 1" liquid tight flexible non-metallic conduit for the detector wire sleeve.

G. Use existing 4" PVC electrical conduit (Sch. 80).

H. Install 3" PVC electrical conduit (Sch. 80) (trenched) for the installation of sampling and/or interconnect cables.

J. Use existing handhole.

K. Use existing handhole, remove concrete curb stop from parking space and return when wiring is completed.

L. Use existing conduit for the installation of the sampling and/or interconnect cables.

M. Install 1" galvanized steel electrical conduit (detector wire sleeve).

N. Install proposed 5-section signal head onto existing mast arm as shown.

O. Replace existing signal with black faced signal head in same location as shown.

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and this plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be proceeded by a thorough identification of all existing utilities.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISION " B "

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

3922k.dgn TASK 2

REVISIONS					
(B) 5/10/02 ASBUILT, REPLACE CABINET, ADD SAMPLING & I/C SHA NO.: XX1085185					
EMM					
A 8/88 PARIAL RE-CONSTRUCTION BW-119-801-512					
DJD	DZ		ETP	TH	

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 170 & GATE 2 OF NORTHROP GRUMMAN AND AMTRAK WAY

DRAWN BY:	DCD	F.A.P. NO.		TS NO.	1026B
CHECKED BY:		S.H.A. NO.	AA293A621B52		
SCALE:	1"= 20'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO.	E 451
DATE:	12/82	LOG MILE:	02017007.26		

SHEET NO. 11 OF 23

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