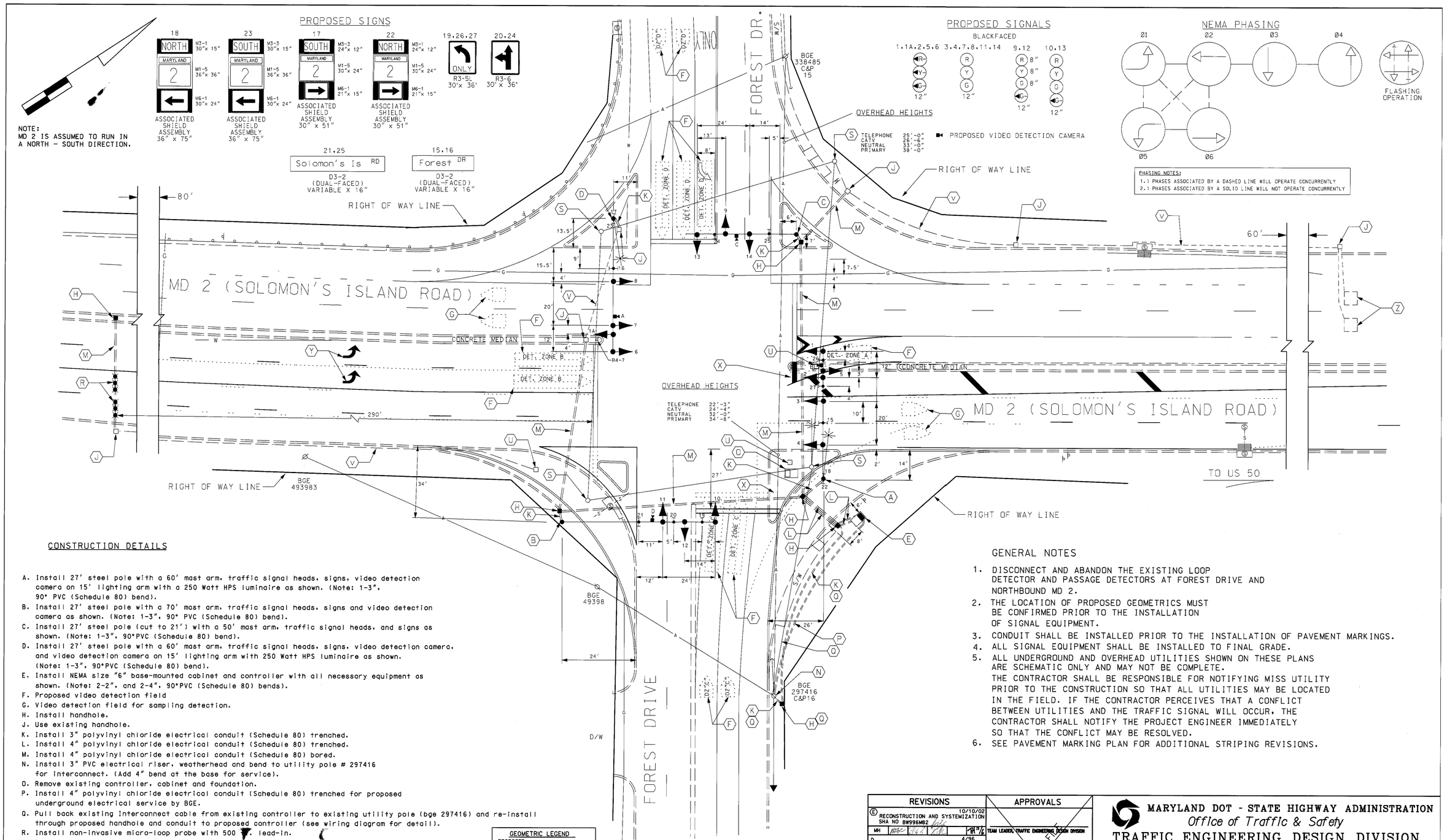

CONSTRUCTION DETAILS

A. Install 27' steel pole with a 60' mast arm, traffic signal heads, signs, video detection camera on 15' lighting arm with a 250 Watt HPS luminaire as shown. (Note: 1-3", 90° PVC (Schedule 80) bend).
B. Install 27' steel pole with a 70' mast arm, traffic signal heads, signs and video detection camera as shown. (Note: 1-3", 90° PVC (Schedule 80) bend).
C. Install 27' steel pole (cut to 21') with a 50' mast arm, traffic signal heads, and signs as shown. (Note: 1-3", 90°PVC (Schedule 80) bend).
D. Install 27' steel pole with a 60' mast arm, traffic signal heads, signs, video detection camera, and video detection camera on 15' lighting arm with 250 Watt HPS luminaire as shown. (Note: 1-3", 90°PVC (Schedule 80) bend).
E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown. (Note: 2-2", and 2-4", 90°PVC (Schedule 80) bends).
F. Proposed video detection field
G. Video detection field for sampling detection.
H. Install handhole.
J. Use existing handhole.
K. Install 3" polyvinyl chloride electrical conduit (Schedule 80) trenched.
L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) trenched.
M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) bored.
N. Install 3" PVC electrical riser, weatherhead and bend to utility pole # 297416 for interconnect. (Add 4" bend at the base for service).
O. Remove existing controller, cabinet and foundation.
P. Install 4" polyvinyl chloride electrical conduit (Schedule 80) trenched for proposed underground electrical service by BGE.
Q. Pull back existing Interconnect cable from existing controller to existing utility pole (bge 297416) and re-install through proposed handhole and conduit to proposed controller (see wiring diagram for detail).
R. Install non-invasive micro-loop probe with 500 ' lead-in.
S. Remove existing strain pole, foundation and all attached equipment (cap the existing conduit).
T. Not Used.
U. Remove existing handhole, cap and abandon existing conduit.
V. Use existing conduit.
W. Video detection field for advance detection.
X. Install 24 in. white heat applied thermoplastic pavement marking
Y. Install white heat applied thermoplastic pavement marking arrow (see table for detail)
Z. Use existing loop detector

GEOMETRIC LEGEND
PROPOSED
EXISTING

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 —

GENERAL NOTES

1. DISCONNECT AND ABANDON THE EXISTING LOOP DETECTOR AND PASSAGE DETECTORS AT FOREST DRIVE AND NORTHBOUND MD 2.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. 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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
6. SEE PAVEMENT MARKING PLAN FOR ADDITIONAL STRIPING REVISIONS.

TRAFFIC CONCEPTS, INC.
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Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS					
E	RECONSTRUCTION AND SYSTEMIZATION SHA NO BW996M82				10/10/02
MH					01 1/2
D	REPLACE DETECTION				4/96
DLS					
C	ASBUILT				6/14/83
DPT	KWS				
B	RECONSTRUCTED SHA NO AA-216-501-577				11/24/81
SR	DAZ	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 2 (SOLOMON'S ISLAND ROAD) AND FOREST DRIVE

DRAWN BY: FW RAINEY JR	F.A.P. NO.		TS NO. 71E
CHECKED BY: A BUDNICHUK	S.H.A. NO.		SHEET NO.
SCALE: 1"= 20'	COUNTY: ANNE ARUNDEL		T.I.M.S. NO. F458
DATE: 4-23-74	LOG MILE: 02000220.19		1 OF 3

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