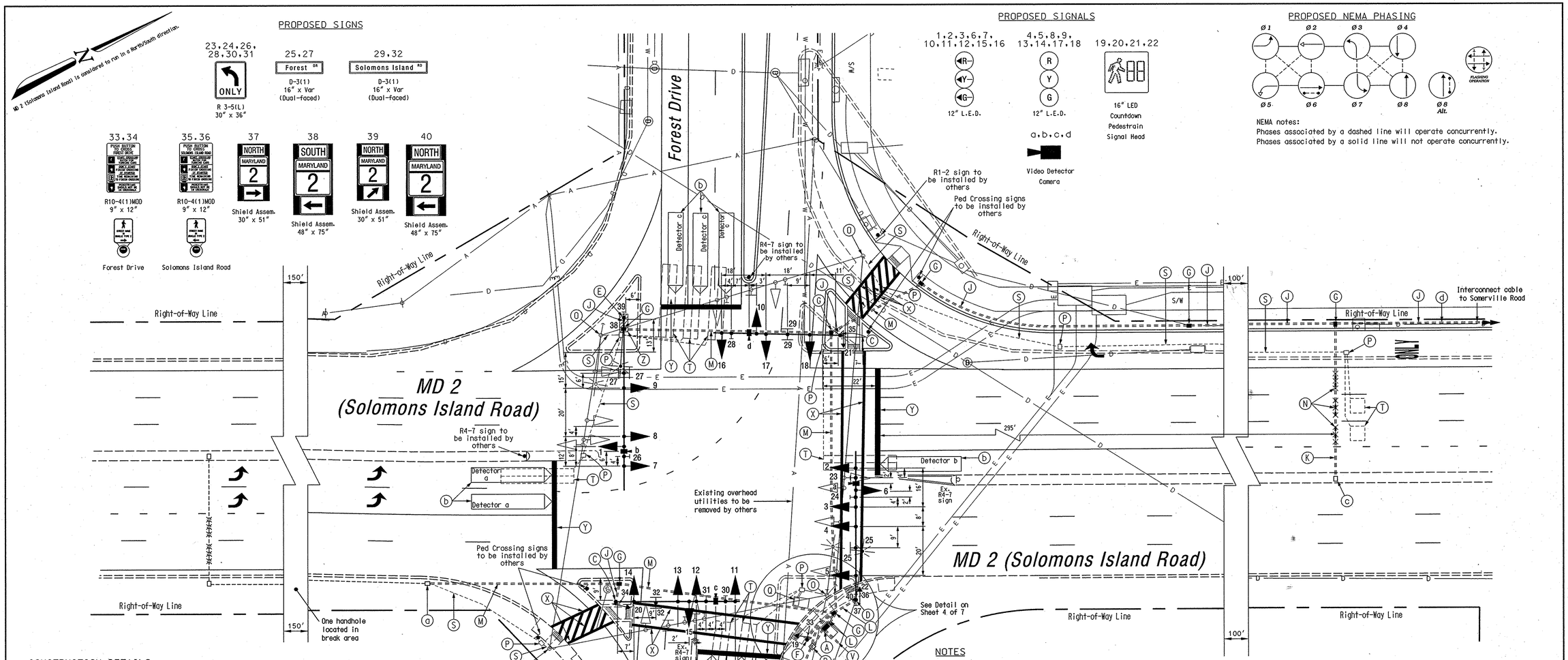

CONSTRUCTION DETAILS

A. Install base mounted NEMA size 6 cabinet/controller and all necessary equipment (Note: two 4 in., two 2 in. PVC conduit bends).
B. Install metered electrical service pedestal per MD SHA 807.05-01.
C. Install 27 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, signs, countdown pedestrian signal head, APS pushbutton station and sign, pedestrian education sign, and video detector camera (Note: one 3 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with a 60 ft. mast arm, vehicle signal heads, signs, countdown pedestrian signal head, APS pushbutton station and sign, pedestrian education sign, video detector camera, 3 in. weather head, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 4 in. PVC conduit bend).
E. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, signs, video detector camera, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
F. Install 10 ft. steel pedestal pole on break away base with countdown pedestrian signal head, APS pushbutton station and sign, and pedestrian education sign (Note: one 2 in. PVC conduit bend).
G. Install handhole.
H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
N. Install non-invasive micro-loop probe (set of 3).
O. Remove existing steel strain pole and all existing equipment.
P. Remove existing handhole.
Q. Remove existing cabinet/controller.
S. Cap and abandon existing conduit.
T. Abandon existing loop detectors.
U. Install 4 in. PVC [Schedule 80] electrical conduit for proposed underground electrical service by BG&E.
V. Install 2 in. PVC [Schedule 80] electrical conduit for proposed phone service by Verizon (to be determined during construction).
W. Use existing utility pole, pull back existing interconnect cable from existing cabinet and rerun to proposed signal pole and cabinet.
X. 12 in. wide pavement marking - white for crosswalk (installed by others).
Y. 24 in. wide pavement marking - white for stop line (installed by others).
Z. Remove/replace concrete in island.
a. Use existing handhole, pull back micro-loop lead-in cable, rerun though new conduit to cabinet/controller.
b. Proposed video detection zone.
c. Use existing handhole.
d. See Interconnect Plan for interconnect details.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'E' is a revision to the traffic signal built in April 23, 1974 under S.H.A. Contract No.:
5. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
6. Remove all unused and abandoned cables.
7. Detectable warning surfaces shown to be installed by others, see roadway plans for details.

Ultimate Signal

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G G	GAS MAIN
W W	WATER MAIN
S S	SEWER MAIN
E E	ELECTRIC CABLES
D D	STORM DRAIN
A A	AERIAL CABLES
T T	TELEPHONE CABLES

Revision "E"

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

E	TS reconstruction due to geometric change S.H.A. No.:BW996M82 Ultimate- TIMS #H573				06/30/06
FDB	TMP	JDH	MAC	WBK	MK 1/15
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

ORIGINAL ON FILE

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 2 (Solomons Island Rd.) at Forest Drive

DRAWN BY:	FW Rainey Jr.	F.A.P. NO.		TS NO. 71E.	SHEET NO.
CHECKED BY:	A Budnichuk	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	Anne Arundel	T.I.M.S. NO. H573	3 OF 7
DATE:	4/23/74	LOG MILE:	02000220.19		

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