NOTE: FOREST DRIVE IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

PROPOSED SIGNS

15 — SOUTH / MARYLAND / 393 — M3-3 30"x 15" — M1-5 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48"x75"

11 — NORTH / MARYLAND / 393 — M3-1 30"x 15" — M1-5 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48"x75"

14 — NORTH / MARYLAND / 393 — M3-1 24"x 12" — M1-5 30"x 24" — M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"

10 — SOUTH / MARYLAND / 393 — M3-3 24"x 12" — M1-6 30"x 24" — M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"

13,16 — Old Solomon's Is. RD — D3-2 (DUAL FACED) (variable x 16")

17,18 — Forest DR — D3-2 (DUAL FACED) (variable x 16")

12 — LEFT TURN / YIELD / ON GREEN — R 10-12 36"X42"

PROPOSED SIGNAL HEADS

BLACKFACED

1 — R Y G — 12" 8"

2 — R Y G — 12"

3,4,5 — R Y G — 12"

6,7,8,9 — R Y G — 8"

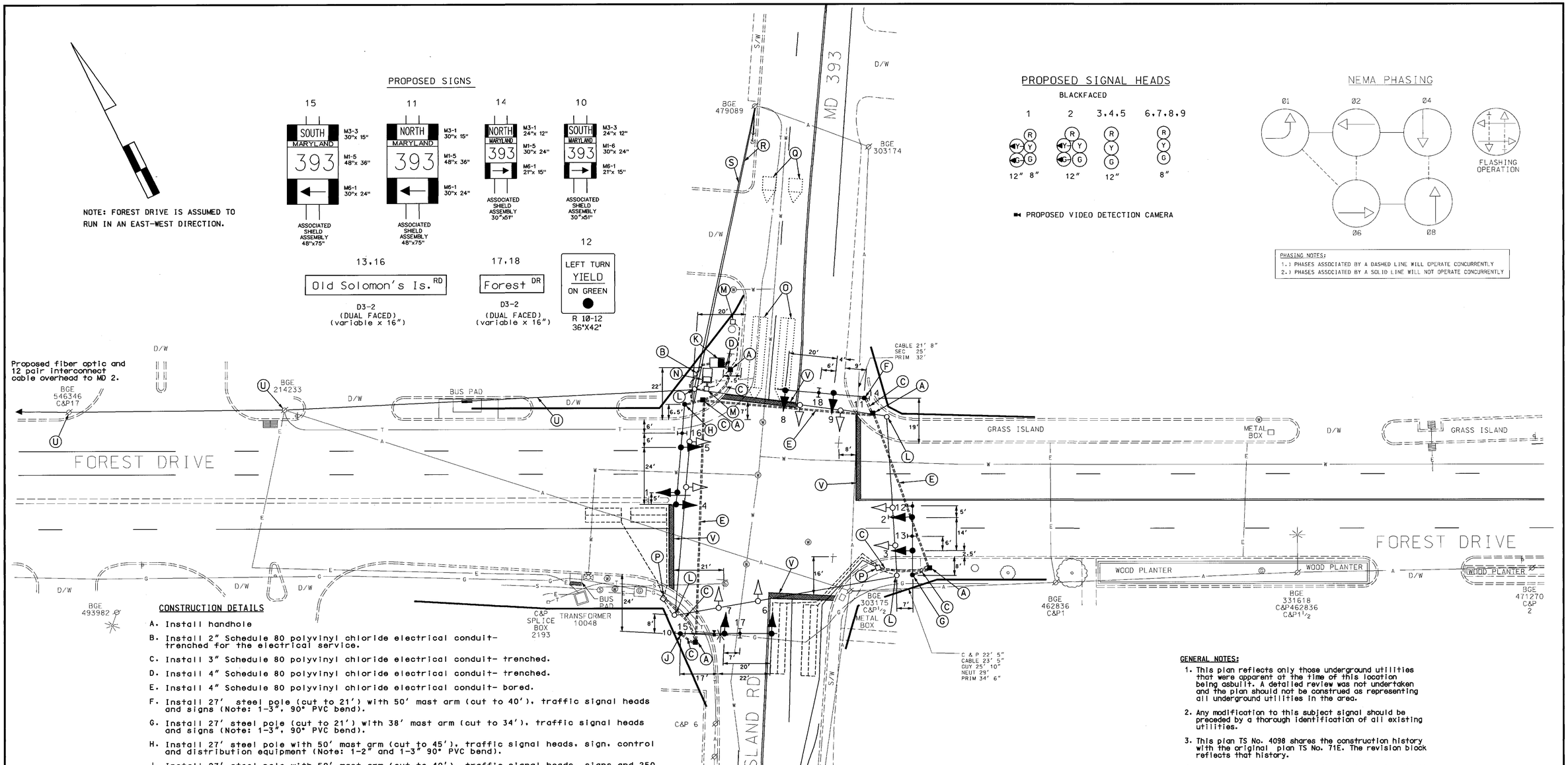
PROPOSED VIDEO DETECTION CAMERA

NEMA PHASING

Ø1 Ø2 Ø4 Ø6 Ø8

FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Install handhole

B. Install 2" Schedule 80 polyvinyl chloride electrical conduit- trenched for the electrical service.

C. Install 3" Schedule 80 polyvinyl chloride electrical conduit- trenched.

D. Install 4" Schedule 80 polyvinyl chloride electrical conduit- trenched.

E. Install 4" Schedule 80 polyvinyl chloride electrical conduit- bored.

F. Install 27' steel pole (cut to 21') with 50' mast arm (cut to 40'), traffic signal heads and signs (Note: 1-3", 90° PVC bend).

G. Install 27' steel pole (cut to 21') with 38' mast arm (cut to 34'), traffic signal heads and signs (Note: 1-3", 90° PVC bend).

H. Install 27' steel pole with 50' mast grm (cut to 45'), traffic signal heads, sign, control and distribution equipment (Note: 1-2" and 1-3" 90° PVC bend).

J. Install 27' steel pole with 50' mast arm (cut to 40'), traffic signal heads, signs and 250 Watt HPS luminaire with 15' lighting arm and video detection camera (Note: 1-3", 90° PVC bend).

K. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment (Note: 2-4", and 2-2", 90° PVC bends).

L. Remove existing strain pole, foundation 12" below grade and all attached equipment. Cap existing conduit.

M. Remove existing handhole and cap and abandon existing conduit.

N. Remove existing cabinet, controller and remove foundation 12" below grade.

O. Video detection field for presence detection.

P. Use existing handhole, install new 2-conductor aluminum shielded to existing loop wire.

Q. Video detection field for advance detection.

R. Proposed overhead electrical service to be installed by BG&E.

S. Remove existing electrical service by BG&E.

T. Disconnect probe lead-in cables from the controller, pull back to existing handhole on the southwest quadrant. Re-route cables to new cabinet and rewire.

U. Remove existing overhead I/C cable and install fiber optic and 12 pair interconnect cable at same location on wood poles.

V. Remove the existing stoplines and install 24" white heat applied thermoplastic pavement marking.

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 the plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.
3. This plan TS No. 4098 shares the construction history with the original plan TS No. 71E. The revision block reflects that history.
4. The conduit is to be installed prior to the installation of pavement markings. The pavement markings detailed are proposed and are to be installed in accordance with MSHA standards.

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 —

REVISION "E"

STREET TRAFFIC STUDIES, LTD.
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3925A.dgn TASK-5

REVISIONS		
E	7/13/01	RECONSTRUCTION AND SYSTEMIZATION SHA NO.: XX1005885 EMM
D	4/96	REPLACE FAILED DETECTION RLS
C	6/14/83	ASBUILT ORST
B	11/24/81	NEW EQUIPMENT DUE TO NEW GEOMETRICS AA 216-501-577 SR

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

FOREST DRIVE, AND MD 393
(OLD SOLOMON'S ISLAND RD)

DRAWN BY: JS F.W.RAINEY JR.	F.A.P. NO.	TS NO. 4098E	SHEET NO.
CHECKED BY: A.B.	S.H.A. NO. AA635A56 B56		
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. D 828	1 OF 15
DATE: 4-23-74	LOG MILE: 02039300.26		

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