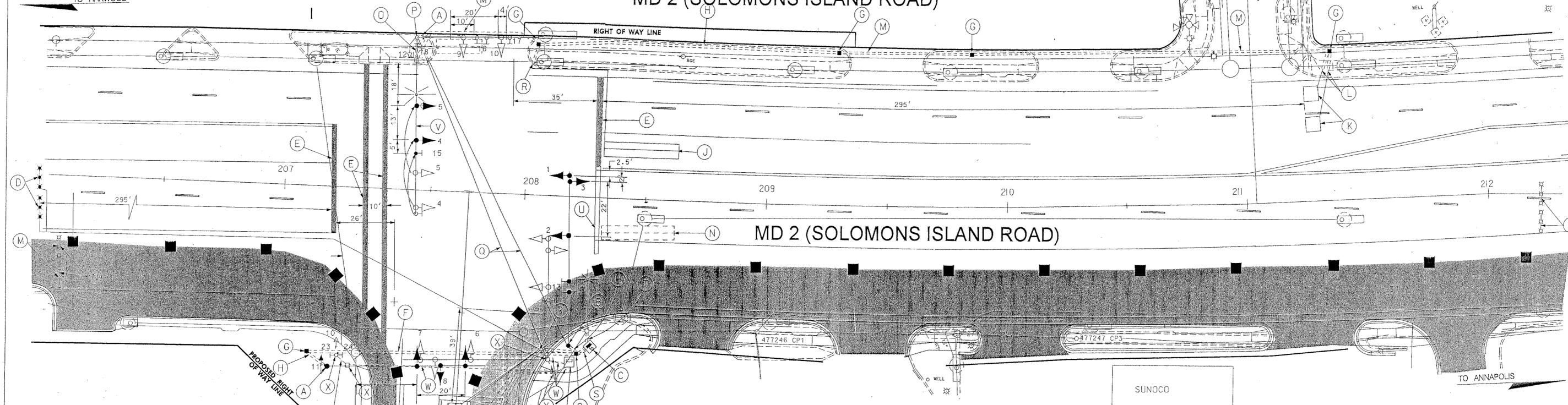


**NOTES:**

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

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

**MD 2 (SOLOMONS ISLAND ROAD)**



**CONSTRUCTION DETAILS:**

- A. INSTALL A 21 FT. STEEL POLE WITH A SINGLE 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND PUSH-BUTTON AT STATION 207+22, RIGHT 74 FT. (NOTE: FOUR-2 IN. X 90 IN. ANCHOR BOLTS AND ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL A 27 FT. STEEL POLE (CUT TO 23 FT.) WITH A SINGLE 70 FT. MAST ARM, SIGNAL HEADS, AND SIGNS AT STATION 208+22, RIGHT 62 FT. (NOTE: FOUR-2 IN. X 90 IN. ANCHOR BOLTS AND ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL A NEMA (SIZE 6) BASE MOUNTED CABINET AND CONTROLLER WITH CONTROL AND DISTRIBUTION EQUIPMENT FOR A TYPE B UNDERGROUND ELECTRICAL SERVICE AT STATION 208+30, RIGHT 62 FT. (NOTE: TWO-4 IN. AND TWO -2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT BENDS)
- D. INSTALL MICROLOOP PROBE SET WITH A 500 FT. LEADING CABLE.
- E. INSTALL A 24 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE.
- F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED PRIOR TO FINAL ROADWAY SURFACE COURSE.
- G. INSTALL ELECTRICAL HANDHOLE.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- I. DELETED.
- J. INSTALL A 6 FT. X 30 FT. QUADRUPOLE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN A 1/4" FLEXIBLE TUBING.
- K. INSTALL 6 FT. X 6 FT. VEHICLE LOOP DETECTOR (4 TURNS) ENCASED IN A 1/4" FLEXIBLE TUBING.
- L. INSTALL A 1 IN. GALVANIZED STEEL ELECTRICAL CONDUIT FOR DETECTOR WIRE SLEEVE.
- M. INSTALL A 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED PRIOR TO FINAL ROADWAY SURFACE COURSE.
- N. ABANDON EXISTING VEHICLE DETECTOR.
- O. USE EXISTING HANDHOLE OR CONDUIT.
- P. USE EXISTING SIGNAL POLE.

- Q. DISCONNECT AND PULL BACK EXISTING ELECTRICAL CABLES RELOCATE SPAN WIRE TO PROPOSED POLE AND RE-ROUTE CABLES TO NEW CONTROLLER.
- R. INSTALL FOUR-1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUITS FOR DETECTOR WIRE SLEEVE.
- S. INSTALL TWO-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- T. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- U. REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH.
- V. RELOCATE EXISTING SIGNALS HEADS AND SIGNS AS SHOWN
- W. CAP AND ABANDON EXISTING CONDUIT.
- X. REMOVE AND /OR DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT.

**GENERAL NOTES**

- 1. REFER TO MAINTENANCE OF TRAFFIC PLANS FOR ADDITIONAL DETAILS.
- 2. THE LOOP DETECTORS AND CONDUITS ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- 3. LOOP DETECTORS ARE TO BE INSTALLED ONE (1) FOOT BEHIND STOP LINE.
- 4. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.

**MOT LEGEND**

■ CHANNELIZATION DEVICE

■ PROPOSED CONSTRUCTION

**GEOMETRIC LEGEND**

----- EXISTING

===== PROPOSED

**UTILITY LEGEND**

— G — G — GAS MAIN

— W — W — WATER MAIN

— S — S — SEWER MAIN

— E — E — ELECTRIC CABLES

— A — A — AERIAL CABLES

— T — T — TELEPHONE CABLES

**SABRA, WANG & ASSOCIATES, INC.**

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REVISIONS	APPROVALS
① Reconstruct For New Geometrics 5-99	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

**MD 2 (SOLOMONS ISLAND ROAD) AND MD 253 (MAYO ROAD)**

DRAWN BY: M.A. MEARS      F.A.P. NO.      TS. NO. 694 F

CHECKED BY:      S.H.A. NO. AA-169-502-270      SHEET NO.

SCALE: 1"=20'      COUNTY: ANNE ARUNDEL      T.I.M.S. NO.

DATE: OCTOBER, 1999      LOG MILE: 02000217.35      2 OF 4