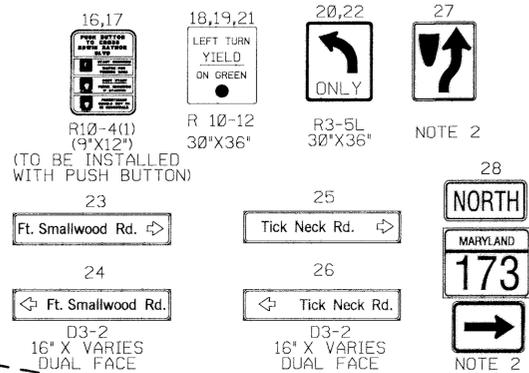
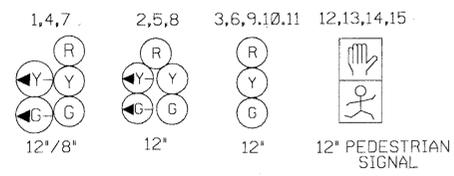


EDWIN RAYNOR BLVD IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

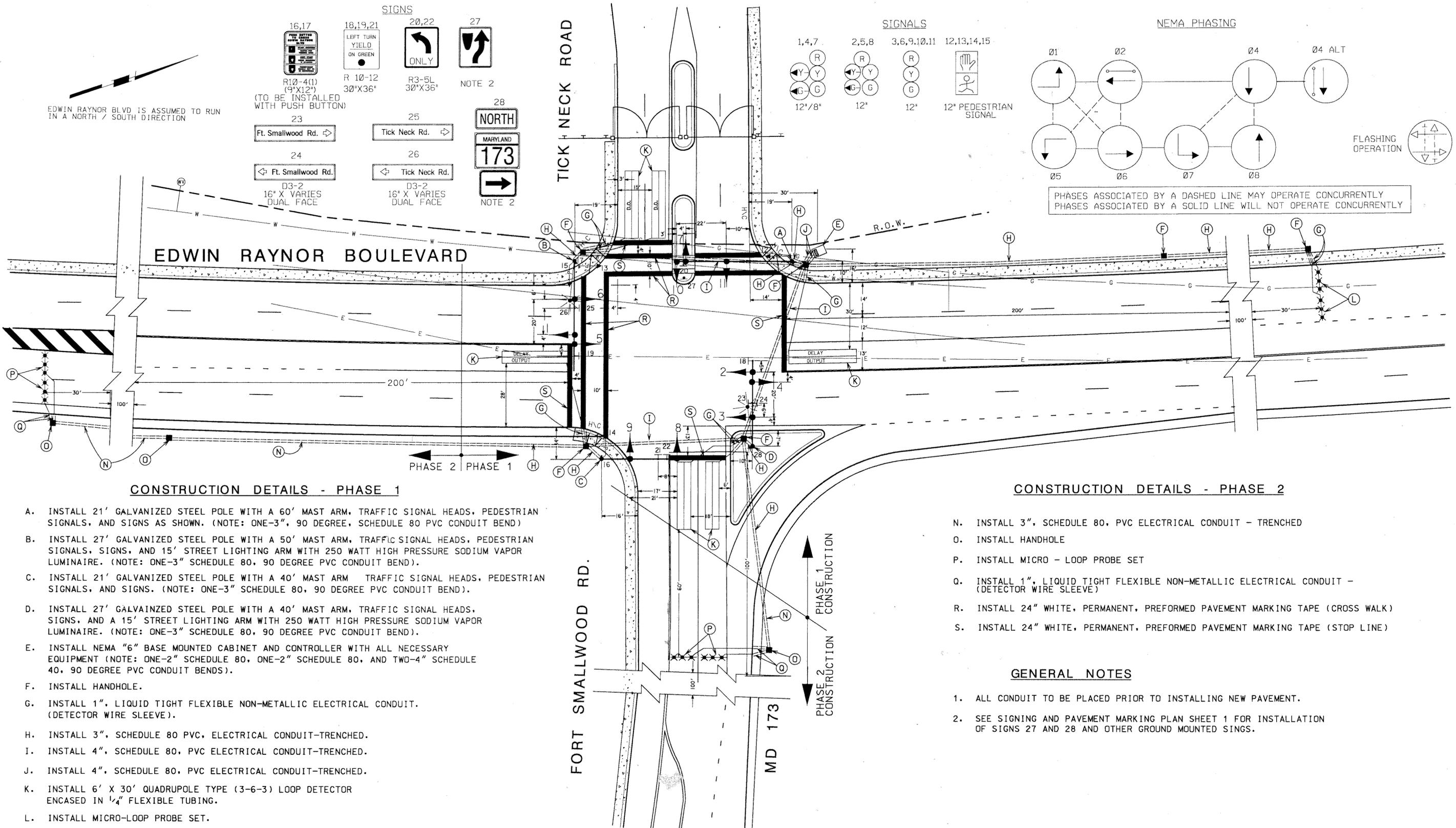
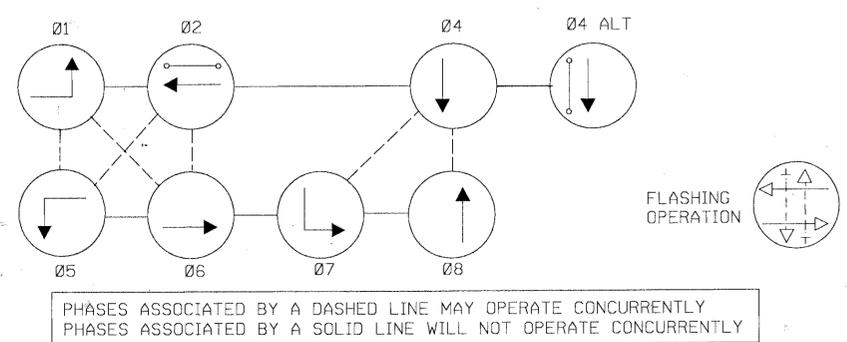
SIGNS



SIGNALS



NEMA PHASING



CONSTRUCTION DETAILS - PHASE 1

- A. INSTALL 21' GALVANIZED STEEL POLE WITH A 60' MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNALS, AND SIGNS AS SHOWN. (NOTE: ONE-3", 90 DEGREE, SCHEDULE 80 PVC CONDUIT BEND)
- B. INSTALL 27' GALVANIZED STEEL POLE WITH A 50' MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNALS, SIGNS, AND 15' STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (NOTE: ONE-3" SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
- C. INSTALL 21' GALVANIZED STEEL POLE WITH A 40' MAST ARM TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNALS, AND SIGNS. (NOTE: ONE-3" SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
- D. INSTALL 27' GALVANIZED STEEL POLE WITH A 40' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, AND A 15' STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (NOTE: ONE-3" SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
- E. INSTALL NEMA "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: ONE-2" SCHEDULE 80, ONE-2" SCHEDULE 80, AND TWO-4" SCHEDULE 40, 90 DEGREE PVC CONDUIT BENDS).
- F. INSTALL HANDHOLE.
- G. INSTALL 1", LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (DETECTOR WIRE SLEEVE).
- H. INSTALL 3", SCHEDULE 80 PVC, ELECTRICAL CONDUIT-TRENCHED.
- I. INSTALL 4", SCHEDULE 80, PVC ELECTRICAL CONDUIT-TRENCHED.
- J. INSTALL 4", SCHEDULE 80, PVC ELECTRICAL CONDUIT-TRENCHED.
- K. INSTALL 6' X 30' QUADRUPOLE TYPE (3-6-3) LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING.
- L. INSTALL MICRO-LOOP PROBE SET.

CONSTRUCTION DETAILS - PHASE 2

- N. INSTALL 3", SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED
- O. INSTALL HANDHOLE
- P. INSTALL MICRO - LOOP PROBE SET
- Q. INSTALL 1", LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT - (DETECTOR WIRE SLEEVE)
- R. INSTALL 24" WHITE, PERMANENT, PREFORMED PAVEMENT MARKING TAPE (CROSS WALK)
- S. INSTALL 24" WHITE, PERMANENT, PREFORMED PAVEMENT MARKING TAPE (STOP LINE)

GENERAL NOTES

1. ALL CONDUIT TO BE PLACED PRIOR TO INSTALLING NEW PAVEMENT.
2. SEE SIGNING AND PAVEMENT MARKING PLAN SHEET 1 FOR INSTALLATION OF SIGNS 27 AND 28 AND OTHER GROUND MOUNTED SIGNS.

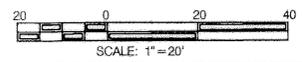
GEOMETRIC LEGEND



UTILITY LEGEND



LUKAS ASSOCIATES, INC.
 Transportation Planning and Engineering Consultants
 10622 Great Arbor Drive Potomac, Maryland 20854 Tel. 301-765-9533 Fax. 301-765-9534



REVISIONS	APPROVALS
	<i>[Signature]</i> ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	<i>[Signature]</i> 9.21.99
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 9/28
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
 TRAFFIC SIGNAL PLAN
 MD 173 AND EDWIN RAYNOR BLVD.

DRAWN BY: AMF	F.A.P. NO.	TS NO.
CHECKED BY: AAL <i>[Signature]</i>	S.H.A. NO. BW996M82	3927
SCALE: 1"=20'	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. D-091
DATE: AUGUST, 1999	LOG MILE:	SHEET NO. 1 OF 10