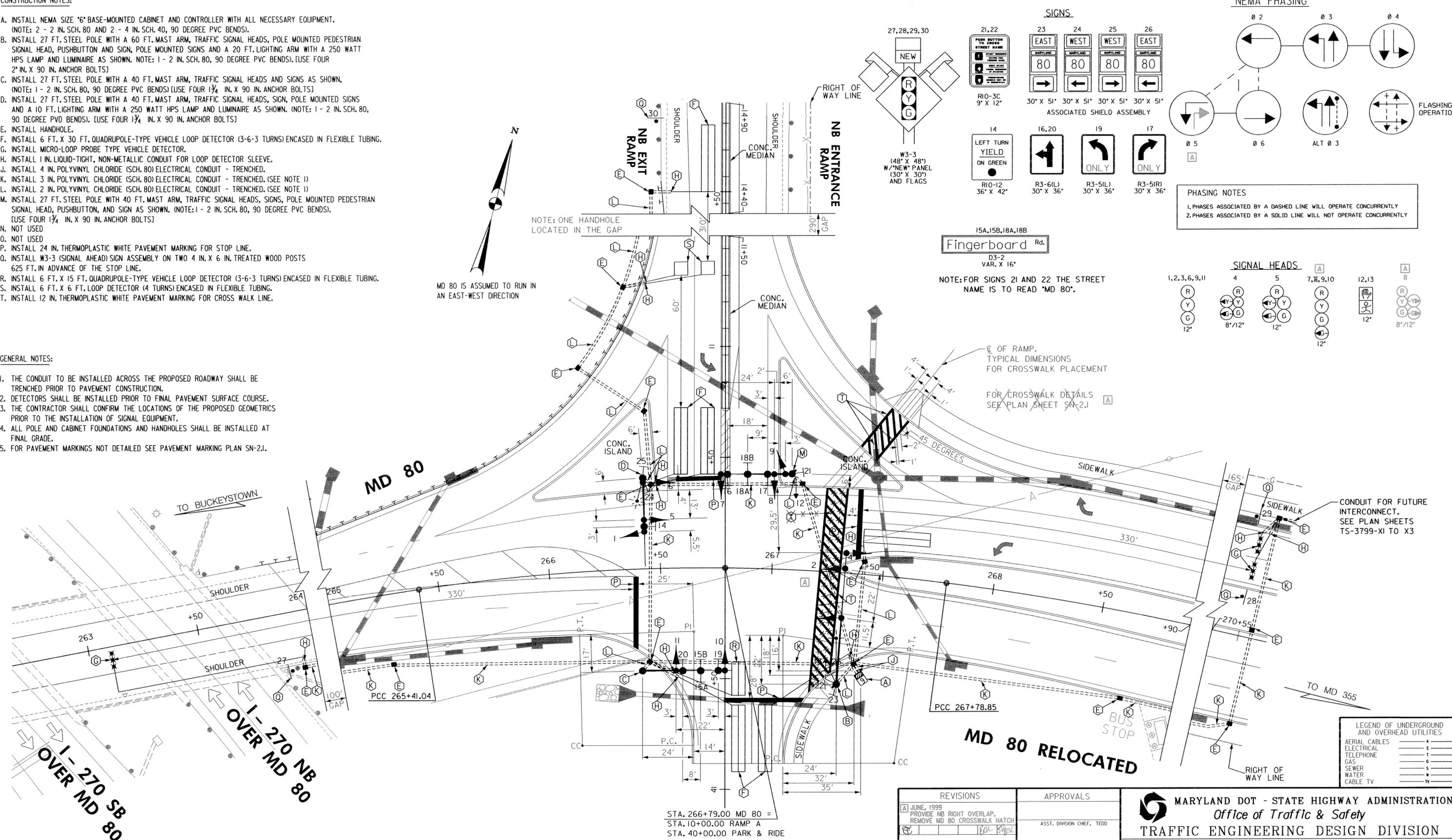


CONSTRUCTION NOTES:

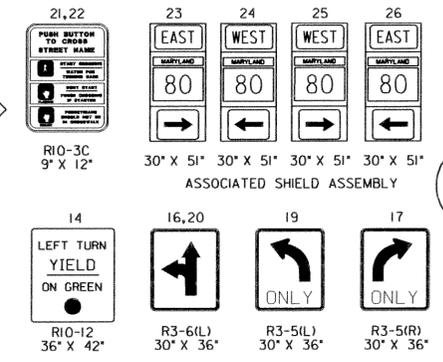
- A. INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2 - 2 IN. SCH. 80 AND 2 - 4 IN. SCH. 40, 90 DEGREE PVC BENDS).
- B. INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, POLE MOUNTED PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN, POLE MOUNTED SIGNS AND A 20 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE AS SHOWN. NOTE: 1 - 2 IN. SCH. 80, 90 DEGREE PVC BENDS. [USE FOUR 2" IN. X 90 IN. ANCHOR BOLTS]
- C. INSTALL 27 FT. STEEL POLE WITH A 40 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND SIGNS AS SHOWN. (NOTE: 1 - 2 IN. SCH. 80, 90 DEGREE PVC BENDS) [USE FOUR 1 3/4 IN. X 90 IN. ANCHOR BOLTS]
- D. INSTALL 27 FT. STEEL POLE WITH A 40 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGN, POLE MOUNTED SIGNS AND A 10 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE AS SHOWN. (NOTE: 1 - 2 IN. SCH. 80, 90 DEGREE PVC BENDS). [USE FOUR 1 3/4 IN. X 90 IN. ANCHOR BOLTS]
- E. INSTALL HANDHOLE.
- F. INSTALL 6 FT. X 30 FT. QUADRUPOLE-TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
- G. INSTALL MICRO-LOOP PROBE TYPE VEHICLE DETECTOR.
- H. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
- J. INSTALL 4 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED. (SEE NOTE I)
- L. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED. (SEE NOTE I)
- M. INSTALL 27 FT. STEEL POLE WITH 40 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, POLE MOUNTED PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN AS SHOWN. (NOTE: 1 - 2 IN. SCH. 80, 90 DEGREE PVC BENDS). [USE FOUR 1 3/4 IN. X 90 IN. ANCHOR BOLTS]
- N. NOT USED
- O. NOT USED
- P. INSTALL 24 IN. THERMOPLASTIC WHITE PAVEMENT MARKING FOR STOP LINE.
- Q. INSTALL W3-3 (SIGNAL AHEAD) SIGN ASSEMBLY ON TWO 4 IN. X 6 IN. TREATED WOOD POSTS 625 FT. IN ADVANCE OF THE STOP LINE.
- R. INSTALL 6 FT. X 15 FT. QUADRUPOLE-TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
- S. INSTALL 6 FT. X 6 FT. LOOP DETECTOR (4 TURNS) ENCASED IN FLEXIBLE TUBING.
- T. INSTALL 12 IN. THERMOPLASTIC WHITE PAVEMENT MARKING FOR CROSS WALK LINE.

GENERAL NOTES:

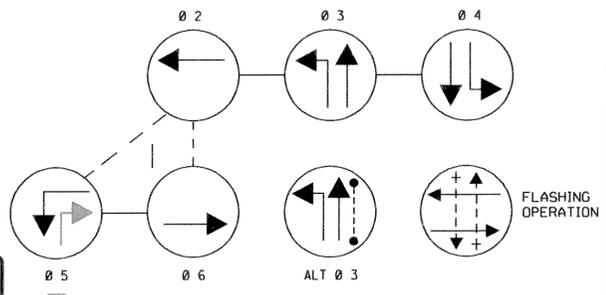
- 1. THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
- 2. DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
- 3. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- 4. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
- 5. FOR PAVEMENT MARKINGS NOT DETAILED SEE PAVEMENT MARKING PLAN SN-2.1.



SIGNS

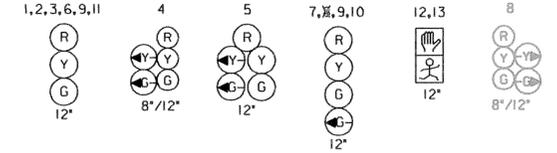


NEMA PHASING



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

SIGNAL HEADS



PARK & RIDE LOT

THE WILSON T. BALLARD CO.
 CONSULTING ENGINEERS
 OWINGS MILLS, MARYLAND

REVISIONS	APPROVALS
A JUNE, 1999 PROVIDE NB RIGHT OVERLAP, REMOVE MD 80 CROSSWALK HATCH	ASST. DIVISION CHIEF, TEDD
	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

MD 80 (FINGERBOARD ROAD) AT I-270 NB RAMPS

LOG MILE NO. 10008005.06 DATE 03/31/98

DRAWN BY: MAB	F.A.P. NO. NONE	PLAN SHEET NO.:	SHEET NO.
CHECK BY: JDM	S.H.A. NO. NONE	TS-3779	72 OF 95
SCALE: 1"=20'	COUNTY: FREDERICK		