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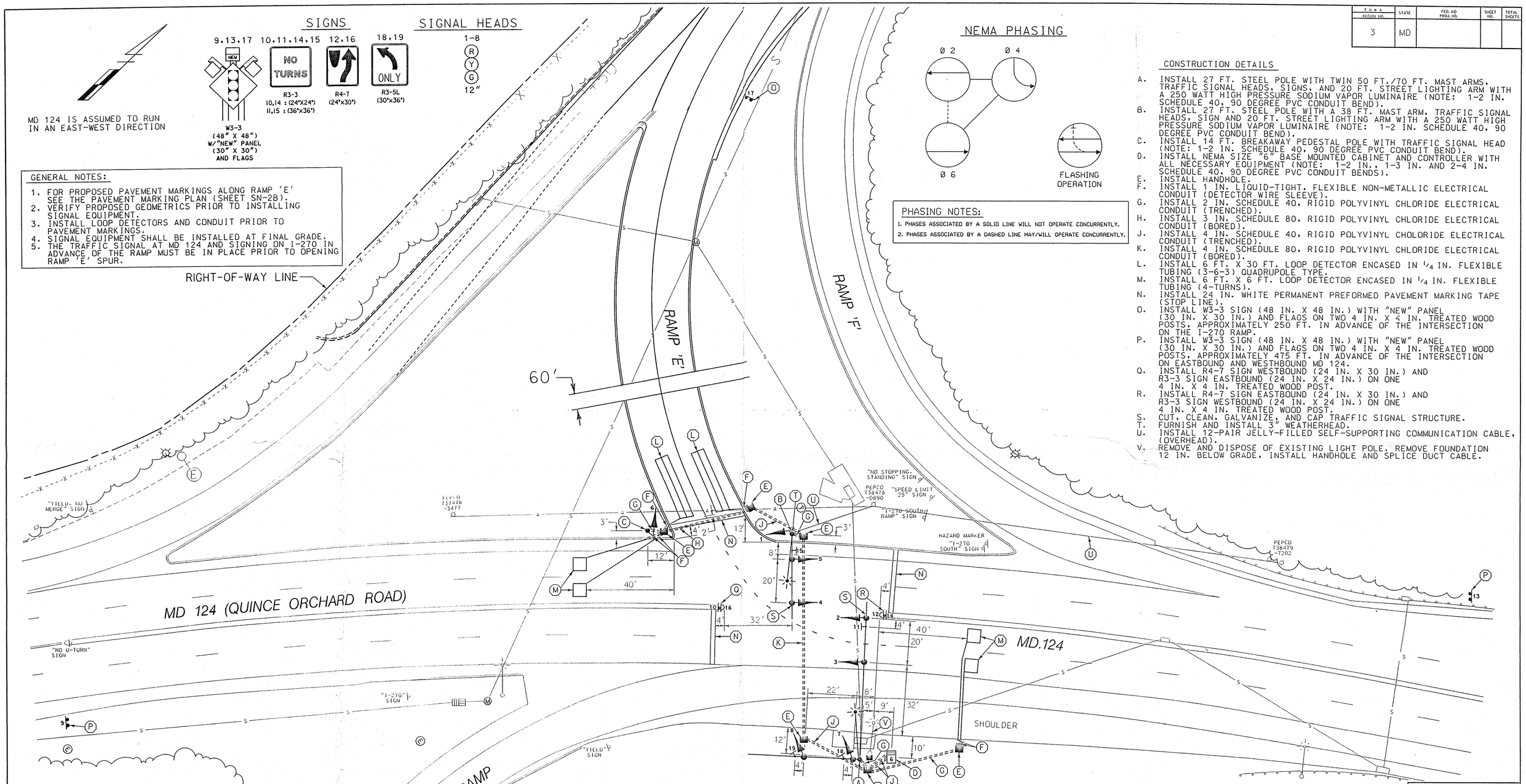
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



GENERAL NOTES:

1. FOR PROPOSED PAVEMENT MARKINGS ALONG RAMP 'E' SEE THE PAVEMENT MARKING PLAN (SHEET SN-2B).
2. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO PAVEMENT MARKINGS.
4. SIGNAL EQUIPMENT SHALL BE INSTALLED AT FINAL GRADE.
5. THE TRAFFIC SIGNAL AT MD 124 AND SIGNING ON I-270 IN ADVANCE OF THE RAMP MUST BE IN PLACE PRIOR TO OPENING RAMP 'E' SPUR.

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-2 IN. SCHEDULE 40, 90 DEGREE PVC CONDUIT BEND).
B. INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGN AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-2 IN. SCHEDULE 40, 90 DEGREE PVC CONDUIT BEND).
C. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH TRAFFIC SIGNAL HEAD (NOTE: 1-2 IN. SCHEDULE 40, 90 DEGREE PVC CONDUIT BEND).
D. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 1-2 IN., 1-3 IN. AND 2-4 IN. SCHEDULE 40, 90 DEGREE PVC CONDUIT BENDS).
E. INSTALL HANDHOLE.
F. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
G. INSTALL 2 IN. SCHEDULE 40, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
J. INSTALL 4 IN. SCHEDULE 40, RIGID POLYVINYL CHOLORIDE ELECTRICAL CONDUIT (TRENCHED).
K. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
L. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3) QUADRUPOLE TYPE.
M. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4-TURNS).
N. INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
O. INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS, APPROXIMATELY 250 FT. IN ADVANCE OF THE INTERSECTION ON THE I-270 RAMP.
P. INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS, APPROXIMATELY 475 FT. IN ADVANCE OF THE INTERSECTION ON EASTBOUND AND WESTHBOUND MD 124.
Q. INSTALL R4-7 SIGN WESTBOUND (24 IN. X 30 IN.) AND R3-3 SIGN EASTBOUND (24 IN. X 24 IN.) ON ONE 4 IN. X 4 IN. TREATED WOOD POST.
R. INSTALL R4-7 SIGN EASTBOUND (24 IN. X 30 IN.) AND R3-3 SIGN WESTBOUND (24 IN. X 24 IN.) ON ONE 4 IN. X 4 IN. TREATED WOOD POST.
S. CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE.
T. FURNISH AND INSTALL 3" WEATHERHEAD.
U. INSTALL 12-PAIR JELLY-FILLED SELF-SUPPORTING COMMUNICATION CABLE, (OVERHEAD).
V. REMOVE AND DISPOSE OF EXISTING LIGHT POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE, INSTALL HANDHOLE AND SPLICE DUCT CABLE.

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LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

WRA
Whitman, Requardt and Associates
Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS	REVISIONS
	1/30/97 ASSISTANT DIVISION CHIEF	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	1/30/97 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
	2/3/97 DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

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

MD 124 AND SOUTHBOUND I-270 RAMP ('E' SPUR)

DATE: 1-22-97	DRAWN BY: S. BLOSS	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
SCALE: 1" = 20'	DESIGNED BY: N. LEARY	S.H.A. NO.		TS-3635	1 OF 3
APPROVED BY:	CHECKED BY:	COUNTY	MONTGOMERY		

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