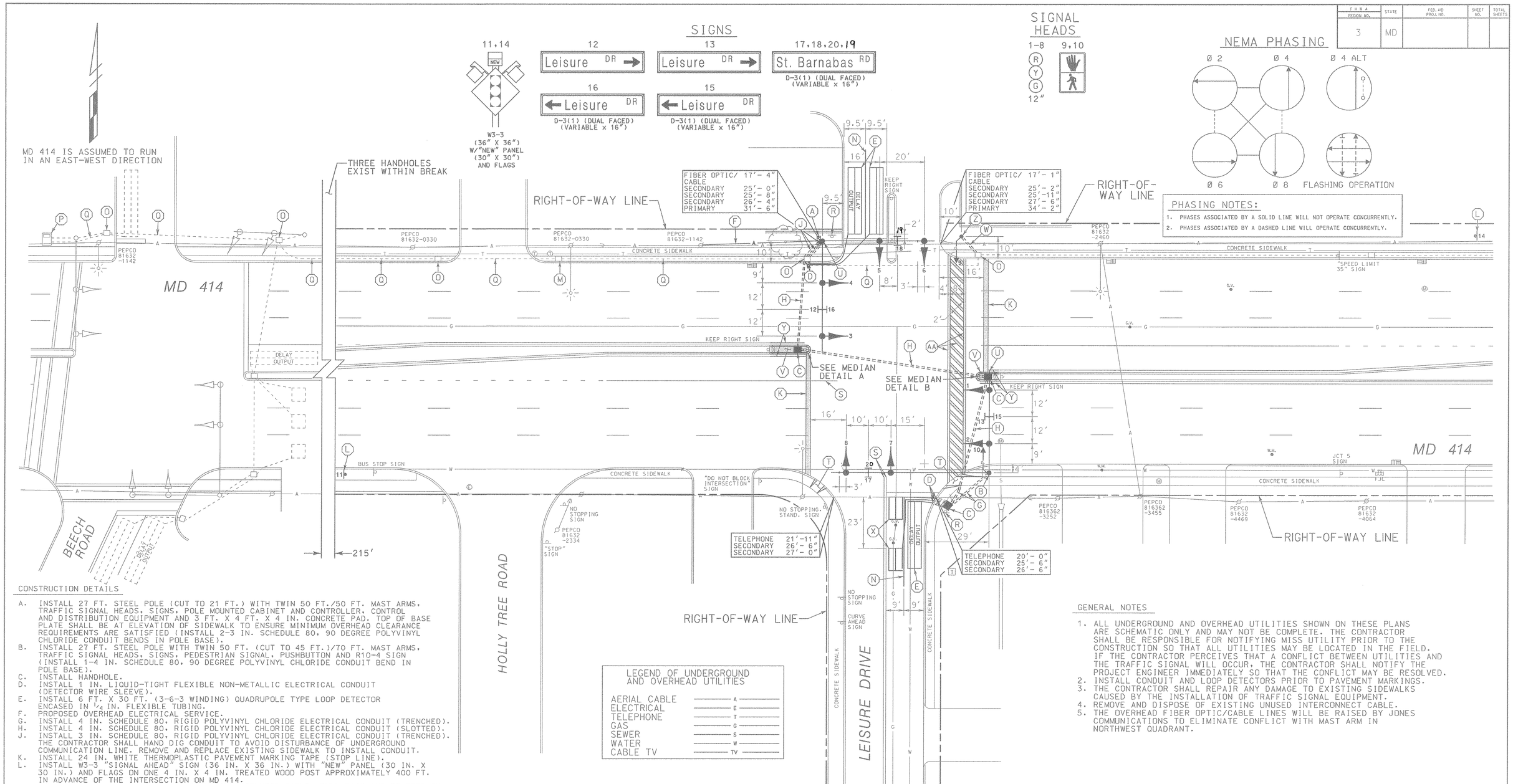
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE (CUT TO 21 FT.) WITH TWIN 50 FT./50 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, POLE MOUNTED CABINET AND CONTROLLER, CONTROL AND DISTRIBUTION EQUIPMENT AND 3 FT. X 4 FT. X 4 IN. CONCRETE PAD. TOP OF BASE PLATE SHALL BE AT ELEVATION OF SIDEWALK TO ENSURE MINIMUM OVERHEAD CLEARANCE REQUIREMENTS ARE SATISFIED (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
B. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT. (CUT TO 45 FT.)/70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-4 SIGN (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
C. INSTALL HANDHOLE.
D. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
E. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. PROPOSED OVERHEAD ELECTRICAL SERVICE.
G. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
J. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED). THE CONTRACTOR SHALL HAND DIG CONDUIT TO AVOID DISTURBANCE OF UNDERGROUND COMMUNICATION LINE. REMOVE AND REPLACE EXISTING SIDEWALK TO INSTALL CONDUIT.
K. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE (STOP LINE).
L. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON ONE 4 IN. X 4 IN. TREATED WOOD POST APPROXIMATELY 400 FT. IN ADVANCE OF THE INTERSECTION ON MD 414.
M. USE EXISTING HANDHOLE, CUT EXISTING INTERCONNECT CABLE, PULL BACK AND RE-FEED IN NEW CONDUIT TO CABINET.
N. INSTALL 6 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE FOR 40 FT. FROM STOP BAR.
O. USE EXISTING HANDHOLE.
P. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
Q. USE EXISTING CONDUIT.
R. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
S. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
T. INSTALL SIDEWALK RAMP (STANDARD NO. 655.14, METHOD C).
U. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
V. EXTEND 4 FT. MONOLITHIC CONCRETE ISLAND AS SHOWN IN MEDIAN DETAIL ON GENERAL INFORMATION SHEET. RELOCATE R4-7 SIGN AND SUPPORT 10' FROM TIP OF MEDIAN.
W. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED). THE CONTRACTOR SHALL HAND DIG CONDUIT TO AVOID DISTURBANCE OF UNDERGROUND COMMUNICATION LINE. REMOVE AND REPLACE EXISTING SIDEWALK TO INSTALL CONDUIT.
X. INSTALL 6 FT X 10 FT. (3-6-3) WINDING QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
Y. INSTALL 6 IN. YELLOW THERMOPLASTIC PAVEMENT MARKING TAPE.
Z. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-4 SIGN. (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN PEDESTAL BASE).
AA. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE (CROSSWALK).

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. INSTALL CONDUIT AND LOOP DETECTORS PRIOR TO PAVEMENT MARKINGS.
3. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT.
4. REMOVE AND DISPOSE OF EXISTING UNUSED INTERCONNECT CABLE.
5. THE OVERHEAD FIBER OPTIC/CABLE LINES WILL BE RAISED BY JONES COMMUNICATIONS TO ELIMINATE CONFLICT WITH MAST ARM IN NORTHWEST QUADRANT.

LOG MILE 16041403.74

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF 4/20/98	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	4/20/98 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
	4/21/98 DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

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

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

MD 414 (ST. BARNABAS RD) AND LEISURE DRIVE

DATE: 4-15-98	DRAWN BY: S.BLOSS	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
SCALE: 1"= 20'	DESIGNED BY: N.LEARY	S.H.A. NO.	AW 278A55 (BES)	TS-3795	1 OF 2
APPROVED BY: MAK 4-20-98	CHECKED BY: T.HANNAN	COUNTY	PRINCE GEORGES		

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