U.S. 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

CONSTRUCTION DETAILS CONT.

R. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
S. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
T. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED ELECTRICAL SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.
U. ABANDON EXISTING CONDUIT.
V. ABANDON EXISTING HANDHOLE.
W. ABANDON EXISTING LOOP DETECTOR.
X. ABANDON EXISTING MICROLOOP PROBE SET.
Y. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
Z. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
AA. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
BB. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 3/4 IN. SCHEDULE 80 PVC CONDUIT.

SIGNS

15 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")

12 — Old Post Rd →
16 — ← Old Post Rd — D-3(1) (DUAL FACED) (VARIABLE x 16")

17 — EAST 40 — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

18 — WEST 40 — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

19 — ONLY — R3-5(L) (30" X 36")

20 — R3-5 (30" X 36")

SIGNAL HEADS

1,2,5,7, 8,10,11 — R Y G — 12"
3 — R Y G +Y +G — 12"/8"
4 — R Y G +Y +G — 12"
6,9 — R Y G — 8"

13 — Old Post Rd →
14 — ← Old Post Rd — D-3(1) (DUAL FACED) (VARIABLE x 16")

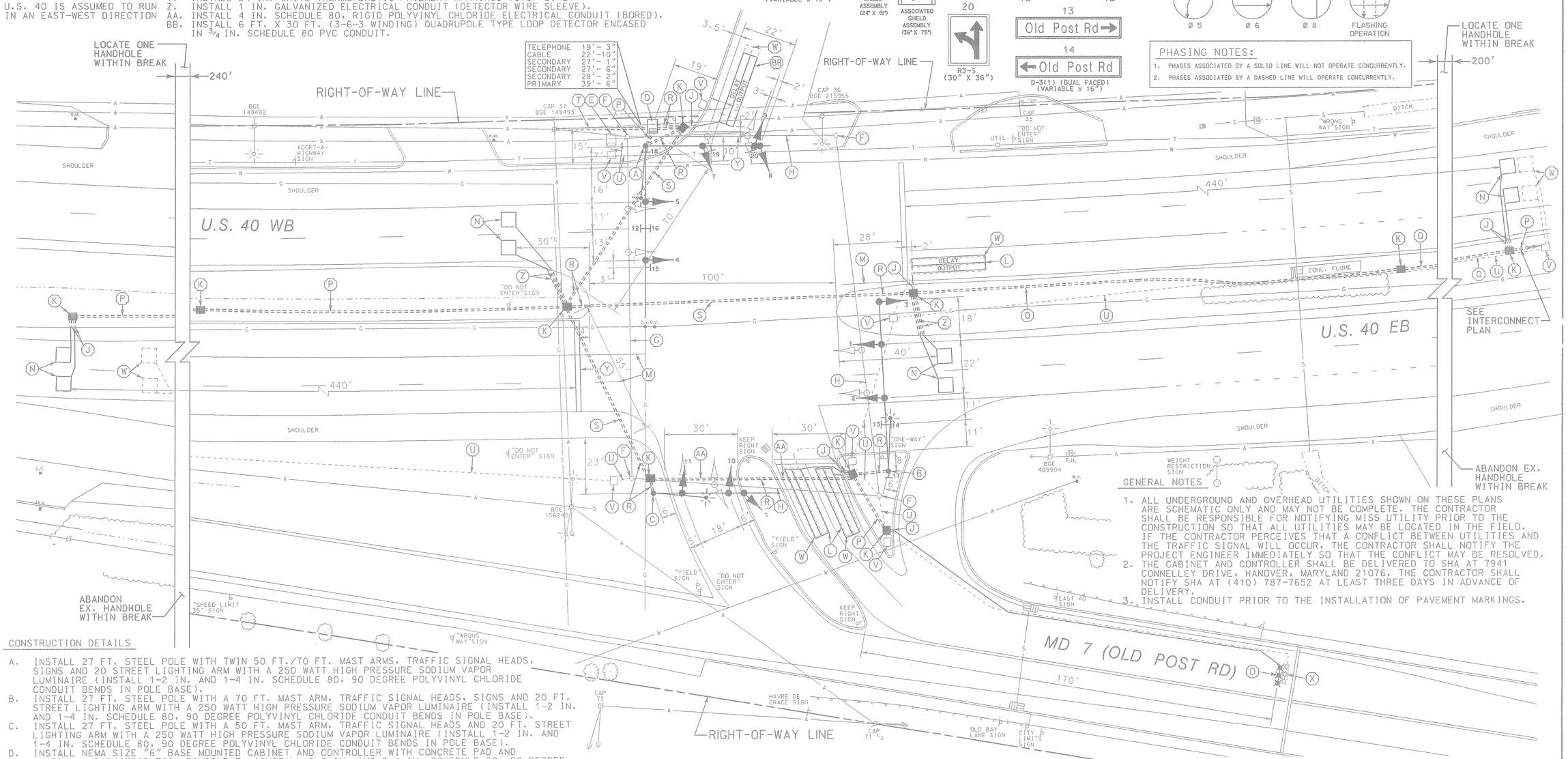
NEMA PHASING

Ø 2, Ø 4, Ø 5, Ø 6, Ø 8

FLASHING OPERATION

PHASING NOTES:

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



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. THE CABINET AND CONTROLLER SHALL BE DELIVERED TO SHA AT 7941 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.
3. INSTALL CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS AND 20 STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
B. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
C. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
D. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE).
E. REMOVE EXISTING CABINET AND CONTROLLER AND DELIVER TO SHA. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
F. REMOVE EXISTING STRAIN POLE. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
G. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGN.
H. REMOVE EXISTING SPAN WIRE AND SIGNAL HEADS.
J. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
K. INSTALL HANDHOLE.
L. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
M. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
N. INSTALL 6 FT. X 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
O. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN.
P. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
Q. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

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

REVISIONS		APPROVALS
G REBUILD TRAFFIC SIGNAL AND ADD INTERCONNECT	3-5-99	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
NML		ASST. DISTRICT ENGINEER, TRAFFIC
F REPLACED DAMAGED DETECTION	1-97	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
E RE-CUT LOOP DETECTORS	9-28-88	DIRECTOR, TRAFFIC & SAFETY
A ASBUILT	9-23-83	ORIGINAL ON FILE
JBB		

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 40 AND MD 7 (OLD POST ROAD)

DRAWN BY: L.TOWNSEND	F.A.P. NO. AW526A58/B58	TS NO. TS-630G	SHEET NO.
CHECKED BY: H.K.	S.H.A. NO.		
SCALE: 1"= 20'	COUNTY: HARFORD	T.I.M.S. NO.	1 OF 7
DATE: 7-22-72	LOG MILE:		

M:\96011\31183T01.DGN