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

SIGNS

18,20 — NO TURN ON RED — R10-11B (24" x 24")

19 — OTSEGO ST | WEST US 40 — EAST US 40 — (36" X 42")

SIGNAL HEADS

1,2,5 — 12"
3,4,9-12 — 12"
6 — 12"
7,8,13,14 — 12"

NEMA PHASING

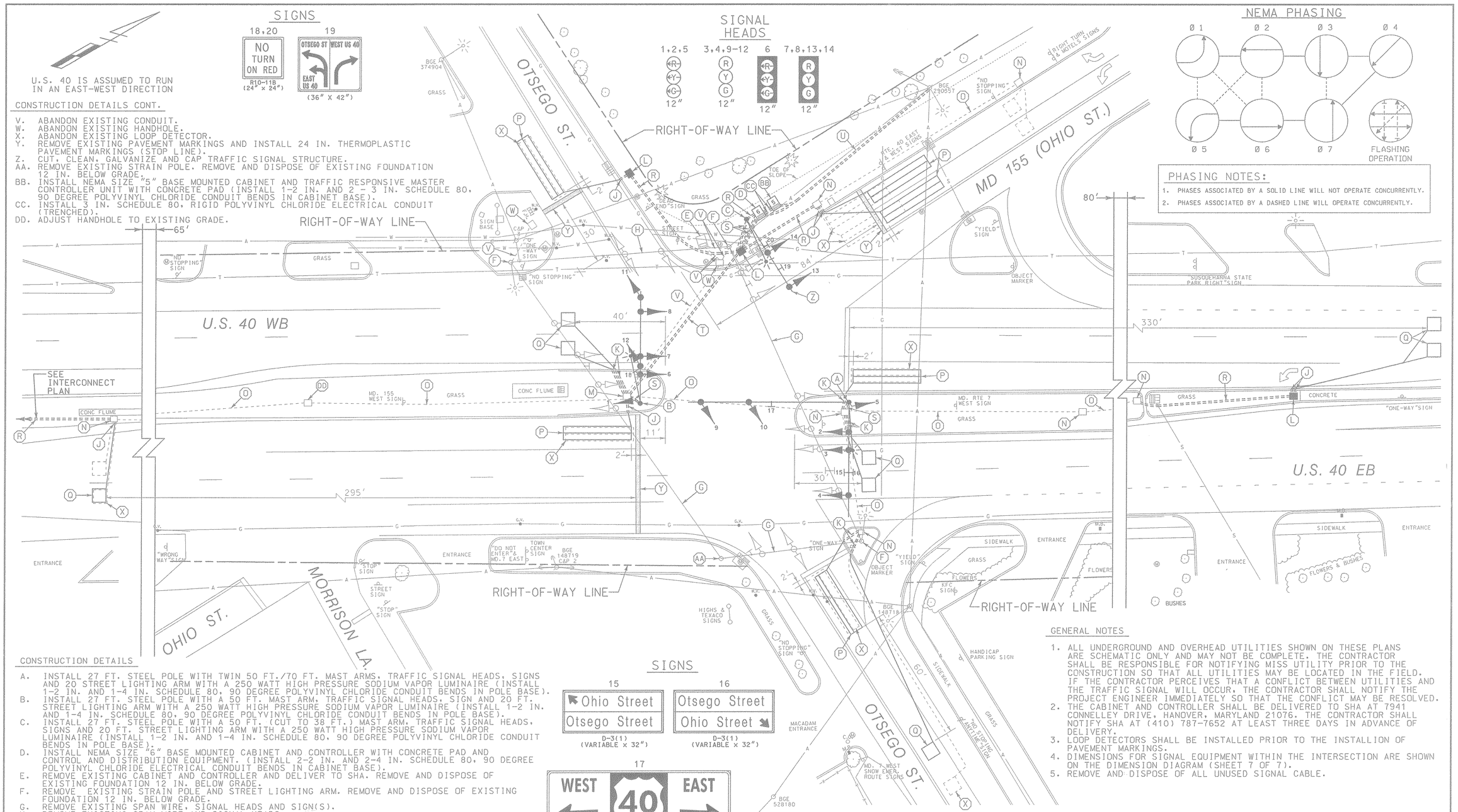
Ø 1, Ø 2, Ø 3, Ø 4, Ø 5, Ø 6, Ø 7, FLASHING OPERATION

PHASING NOTES:

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

CONSTRUCTION DETAILS CONT.

V. ABANDON EXISTING CONDUIT.
W. ABANDON EXISTING HANDHOLE.
X. ABANDON EXISTING LOOP DETECTOR.
Y. REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 24 IN. THERMOPLASTIC PAVEMENT MARKINGS (STOP LINE).
Z. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
AA. REMOVE EXISTING STRAIN POLE. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
BB. INSTALL NEMA SIZE "5" BASE MOUNTED CABINET AND TRAFFIC RESPONSIVE MASTER CONTROLLER UNIT WITH CONCRETE PAD (INSTALL 1-2 IN. AND 2 - 3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN CABINET BASE).
CC. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
DD. ADJUST HANDHOLE TO EXISTING GRADE.



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 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGN 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. (CUT TO 38 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).
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 AND STREET LIGHTING ARM. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
G. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGN(S).
H. REMOVE EXISTING SPAN WIRE AND SIGNAL HEADS.
J. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
K. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
L. INSTALL HANDHOLE.
M. REBUILD EXISTING HANDHOLE IN PLACE WITHOUT DISTURBING EXISTING CONDUIT.
N. USE EXISTING HANDHOLE.
O. USE EXISTING CONDUIT.
P. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
Q. INSTALL 6 FT. X 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
R. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
S. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
T. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
U. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED ELECTRICAL SERVICE AND 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED TELEPHONE SERVICE IN COMMON TRENCH. CAP AND MARK CONDUITS AT UTILITY POLE FOR USE BY OTHERS.

SIGNS

15 — Ohio Street / Otsego Street — D-3(1) (VARIABLE x 32")

16 — Otsego Street / Ohio Street — D-3(1) (VARIABLE x 32")

17 — WEST 40 EAST — MODIFIED M95-1 (78" x 24")

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. LOOP DETECTORS SHALL BE INSTALLED PRIOR TO THE INSTALLION OF PAVEMENT MARKINGS.
4. DIMENSIONS FOR SIGNAL EQUIPMENT WITHIN THE INTERSECTION ARE SHOWN ON THE DIMENSION DIAGRAM (SHEET 7 OF 7).
5. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

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		
C	REBUILD TRAFFIC SIGNAL AND ADD INTERCONNECT	3-10-99
NML	BCK	BCK
B	CHANGED US 40 LEFT-TURNS FROM E/P TO EXCLUSIVE	8-8-83
A	ASBUILT	6-29-82

APPROVALS — ORIGINAL ON FILE

ASST. TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 40 AND Otsego St./MD 155 (Ohio St.)

DRAWN BY:	J.BOLING	F.A.P. NO.		TS NO. TS-675C	SHEET NO.
CHECKED BY:	H.K.	S.H.A. NO.	AW5216A50 358		
SCALE:	1"= 20'	COUNTY:	HARFORD	T.I.M.S. NO.	3 OF 7
DATE:	8-22-72	LOG MILE:	12000702.66		

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