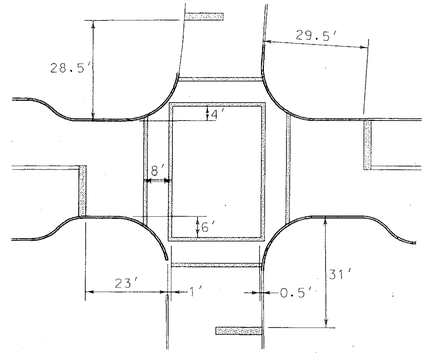
US 40 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

PAVEMENT MARKING DETAIL

SCALE 1"=20'



SIGNS

13.15

Martin ST

D-3(1) (DUAL FACED)
(VARIABLE x 16")

14.16-18

NO
TURN
ON RED

R10-11b
(24" x 24")

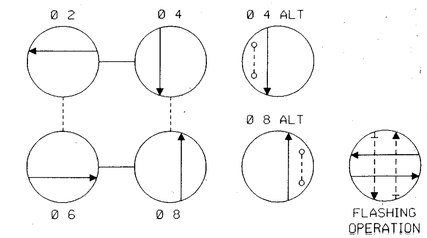
SIGNAL HEADS

1-4 R Y G 12"

5-8 R Y G 8"

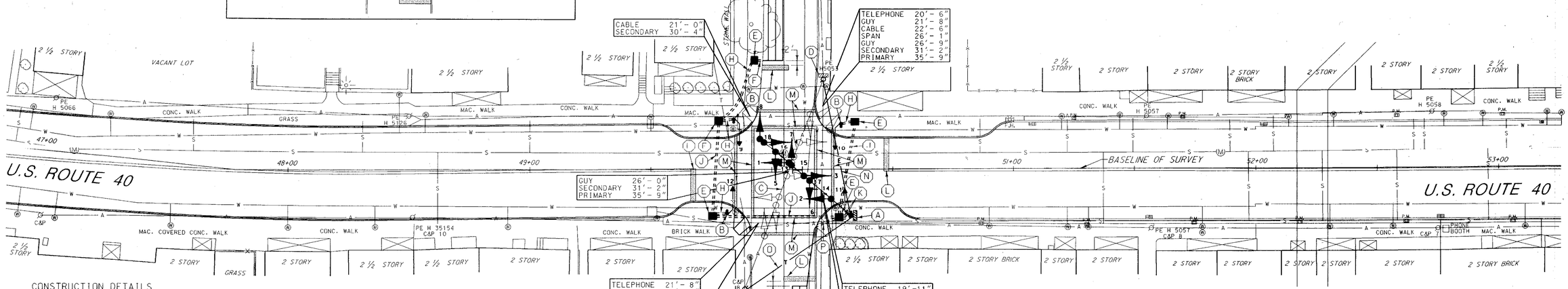
9-12

NEMA PHASING



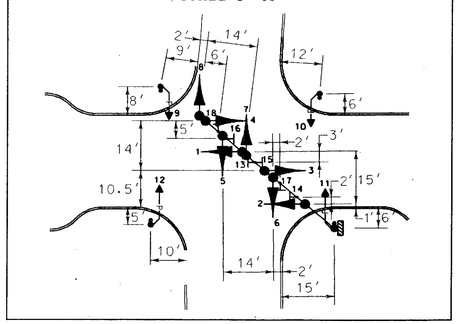
PHASING NOTES:

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



SIGNAL EQUIPMENT DETAIL

SCALE 1"=20'



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL, PUSHBUTTON AND R10-4 SIGN, POLE MOUNTED CABINET AND CONTROLLER, CONTROL AND DISTRIBUTION EQUIPMENT AND CLEVIS AND 1 IN. GALVANIZED RISER (INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
B. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE, PEDESTRIAN SIGNAL AND PUSHBUTTON AND R10-4 SIGN (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN PEDESTAL BASE).
C. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGNS.
D. REMOVE POLE MOUNTED CABINET AND CONTROLLER AND R10-11b SIGN. DELIVER CABINET AND CONTROLLER TO SHA.
E. INSTALL HANDHOLE.
F. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
G. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
H. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
J. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
K. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE (STOP LINE).
M. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE (CROSSWALK).
N. PROPOSED OVERHEAD ELECTRICAL SERVICE.
O. PROPOSED OVERHEAD TELEPHONE SERVICE.
P. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

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. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED AT FINAL GRADE.
5. THE CABINET AND CONTROLLER SHALL BE DELIVERED TO SHA AT 7941 CONNOLLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.
6. THE HEIGHT OF THE TELEPHONE, GUY WIRE AND CABLE TV OVERHEAD LINES, CROSSING THE MAST ARM IN THE SOUTHEAST QUADRANT, WILL BE RAISED DURING THE UTILITY POLE RELOCATION PROCESS TO ENSURE MINIMUM CLEARANCE REQUIREMENTS ARE SATISFIED.

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

REVISIONS		
B	RECONSTRUCT TRAFFIC SIGNAL	10/98
A	TEMPORARY TRAFFIC SIGNAL	10/98

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. ROUTE 40 AND MARTIN STREET
(CLEAR SPRING, MD)

DRAWN BY:	F.A.P. NO.	TS NO. 3845B	SHEET NO.
CHECKED BY:	S.H.A. NO. WA9295183		
SCALE: 1"= 20'	COUNTY: WASHINGTON	T.I.M.S. NO. D087	OF
DATE:	LOG MILE: 21040024.42		

M:\96011\31129T02.DGN #59