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

EXISTING SIGNS TO REMAIN

9: W. Linden RD

12: W. Linden RD

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

14: NORTH 32 SOUTH

M95-1

PROPOSED SIGNS

10,11: NEW — W3-3 (60" X 60") W/"NEW" PANEL (30" X 30") AND FLAGS

13: NEW — W3-3 (36" X 36") W/"NEW" PANEL (30" X 30") AND FLAGS

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

EXISTING SIGNALS TO BE REMOVED

1a,2a: Y 8"

3a,4a: Y 12"

5a,6a: R 12"

SIGNAL HEADS

1: R, Y, G, Y, G — 12"/8"

2: R, Y, G — 12"

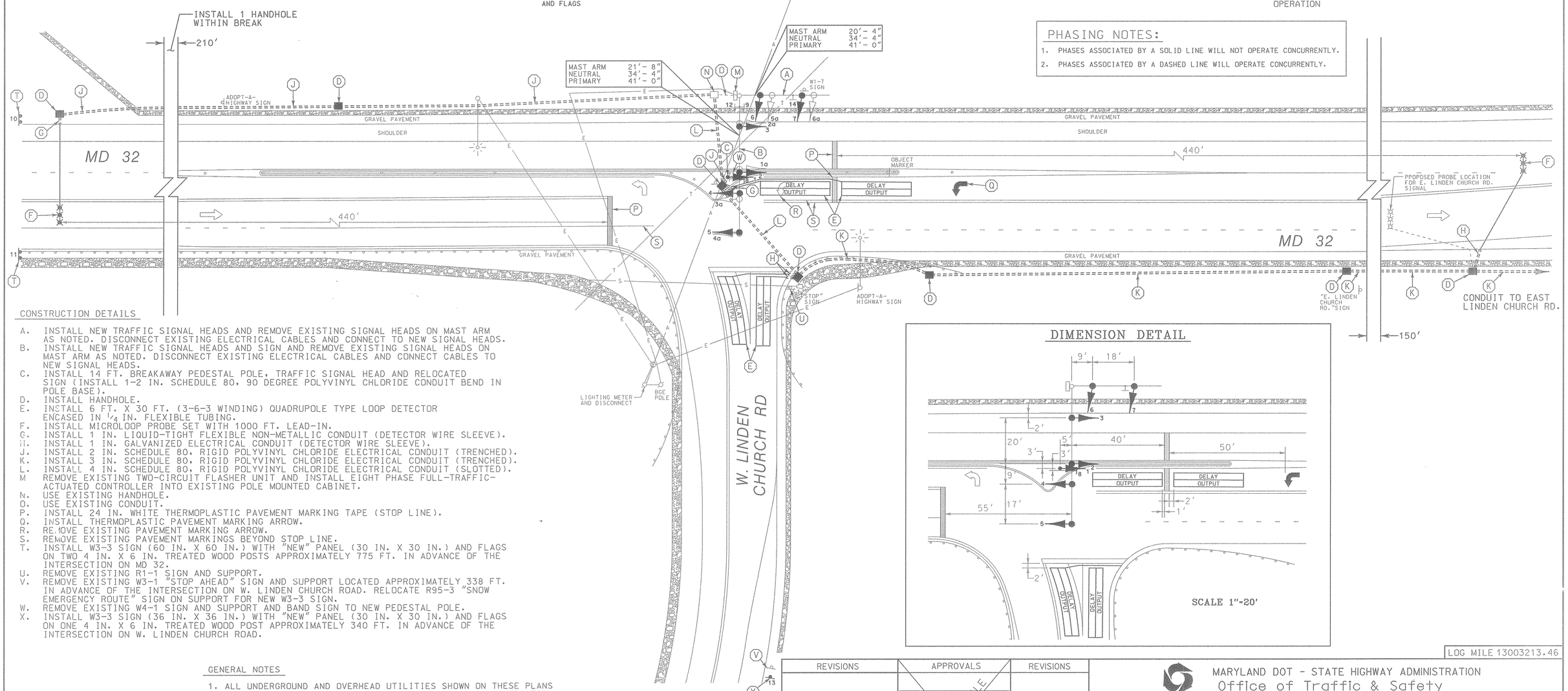
3-7: R, Y, G — 12"

NEMA PHASING

Ø 1, Ø 2, Ø 4, Ø 6

FLASHING OPERATION

MD 32 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



PHASING NOTES:

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

DIMENSION DETAIL

SCALE 1"=20'

CONSTRUCTION DETAILS

A. INSTALL NEW TRAFFIC SIGNAL HEADS AND REMOVE EXISTING SIGNAL HEADS ON MAST ARM AS NOTED. DISCONNECT EXISTING ELECTRICAL CABLES AND CONNECT TO NEW SIGNAL HEADS.
B. INSTALL NEW TRAFFIC SIGNAL HEADS AND SIGN AND REMOVE EXISTING SIGNAL HEADS ON MAST ARM AS NOTED. DISCONNECT EXISTING ELECTRICAL CABLES AND CONNECT CABLES TO NEW SIGNAL HEADS.
C. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, TRAFFIC SIGNAL HEAD AND RELOCATED SIGN (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
D. INSTALL HANDHOLE.
E. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN.
G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE).
H. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
J. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
K. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
M REMOVE EXISTING TWO-CIRCUIT FLASHER UNIT AND INSTALL EIGHT PHASE FULL-TRAFFIC-ACTUATED CONTROLLER INTO EXISTING POLE MOUNTED CABINET.
N. USE EXISTING HANDHOLE.
O. USE EXISTING CONDUIT.
P. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE (STOP LINE).
Q. INSTALL THERMOPLASTIC PAVEMENT MARKING ARROW.
R. REMOVE EXISTING PAVEMENT MARKING ARROW.
S. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
T. INSTALL W3-3 SIGN (60 IN. X 60 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON TWO 4 IN. X 6 IN. TREATED WOOD POSTS APPROXIMATELY 775 FT. IN ADVANCE OF THE INTERSECTION ON MD 32.
U. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
V. REMOVE EXISTING W3-1 "STOP AHEAD" SIGN AND SUPPORT LOCATED APPROXIMATELY 338 FT. IN ADVANCE OF THE INTERSECTION ON W. LINDEN CHURCH ROAD. RELOCATE R95-3 "SNOW EMERGENCY ROUTE" SIGN ON SUPPORT FOR NEW W3-3 SIGN.
W. REMOVE EXISTING W4-1 SIGN AND SUPPORT AND BAND SIGN TO NEW PEDESTAL POLE.
X. INSTALL W3-3 SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON ONE 4 IN. X 6 IN. TREATED WOOD POST APPROXIMATELY 340 FT. IN ADVANCE OF THE INTERSECTION ON W. LINDEN CHURCH ROAD.

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 CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING MEDIAN CAUSED BY THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT.

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	APPROVALS	REVISIONS
A CONVERT EXISTING ICB TO FULL TRAFFIC CONTROL SIGNAL 6/98	ASSISTANT DIVISION CHIEF	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

ORIGINAL ON FILE

LOG MILE 13003213.46

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

MD 32 AND AND WEST LINDEN CHURCH ROAD

DATE: 11-97	DRAWN BY: T.ZAYDEL	F.A.P. NO.	AC-STPG-000S(591)(E)	PLAN SHEET NO.:	SHEET NO.
SCALE: 1"= 20'	DESIGNED BY: T.ZAYDEL	S.H.A. NO.	AW279A5F1B5F1H5F	TS-3806A	1 OF 3
APPROVED BY:	CHECKED BY: K.SCHMEID	COUNTY	HOWARD		