MD 45 IS ASSUMED TO RUN
IN A NORTH SOUTH DIRECTION

EXISTING SIGN

10
SIGNAL AHEAD
PREPARE TO STOP
WHEN FLASHING
W3-3(2)
120" x 60"

11a,11b,12a,12b
Ridgebrook Rd.
D-3(2)
VAR. x 16"
Dual Face

13
York Rd.
D-3(2)
VAR. x 16"

14
NORTH
MARYLAND
45
ASSOCICATED
SHIELD
ASSEMBLY
48"x75"

15
SOUTH
MARYLAND
45
ASSOCICATED
SHIELD
ASSEMBLY
36"x51"

16,17
NEW
W3-3
36"X36"
Place 500' prior to
intersection along MD45

UTILITY CLEARANCES	
PRIMARY	50'
PRIMARY	33'
ABANDON SECONDARY	26'9"
NETURAL	26'9"

PROPOSED SIGNALS

1,2: Y — 12"
3-9: R, Y, G — 12"

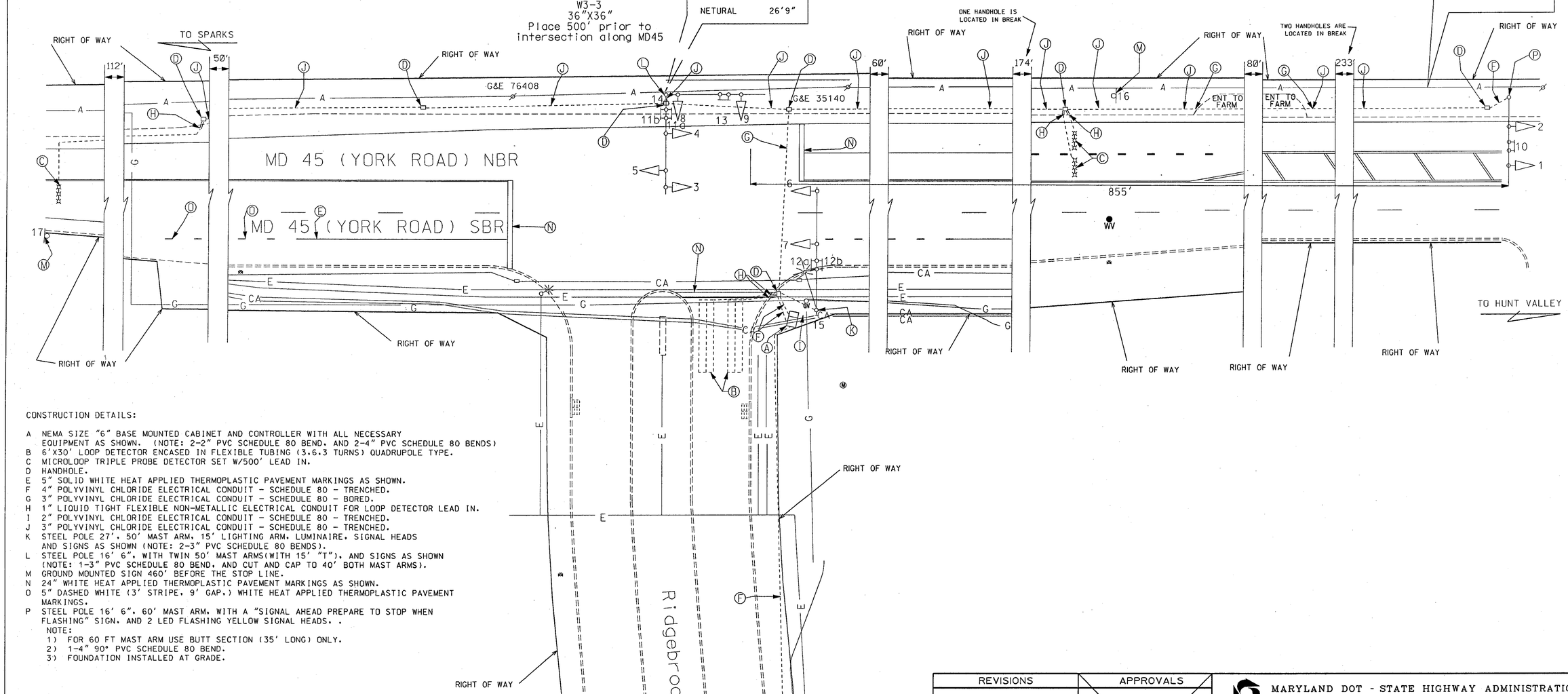
NEMA PHASING

Ø2 Ø4
Ø6

FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

UTILITY CLEARANCES	
PRIMARY	50'
PRIMARY	38'
PRIMARY	29'
NETURAL	24'



CONSTRUCTION DETAILS:

A NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: 2-2" PVC SCHEDULE 80 BEND, AND 2-4" PVC SCHEDULE 80 BENDS)
B 6'X30' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3,6,3 TURNS) QUADRUPOLE TYPE.
C MICROLOOP TRIPLE PROBE DETECTOR SET W/500' LEAD IN.
D HANDHOLE.
E 5" SOLID WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN.
F 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - TRENCHED.
G 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - BORED.
H 1" LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT FOR LOOP DETECTOR LEAD IN.
I 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - TRENCHED.
J 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - TRENCHED.
K STEEL POLE 27', 50' MAST ARM, 15' LIGHTING ARM, LUMINAIRE, SIGNAL HEADS AND SIGNS AS SHOWN (NOTE: 2-3" PVC SCHEDULE 80 BENDS).
L STEEL POLE 16' 6", WITH TWIN 50' MAST ARMS(WITH 15' "T"), AND SIGNS AS SHOWN (NOTE: 1-3" PVC SCHEDULE 80 BEND, AND CUT AND CAP TO 40' BOTH MAST ARMS).
M GROUND MOUNTED SIGN 460' BEFORE THE STOP LINE.
N 24" WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN.
O 5" DASHED WHITE (3' STRIPE, 9' GAP,) WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS.
P STEEL POLE 16' 6", 60' MAST ARM, WITH A "SIGNAL AHEAD PREPARE TO STOP WHEN FLASHING" SIGN, AND 2 LED FLASHING YELLOW SIGNAL HEADS. .
NOTE:
1) FOR 60 FT MAST ARM USE BUTT SECTION (35' LONG) ONLY.
2) 1-4" 90° PVC SCHEDULE 80 BEND.
3) FOUNDATION INSTALLED AT GRADE.

GEOMETRIC LEGEND
EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204
www.Centuryeng.com

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
Ⓐ AS-BUILT	DIRECTOR, TRAFFIC & SAFETY
SHA NO.: BW996M02 1-04	
TH	

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
MD 45 AT RIDGEBROOK ROAD
LOVETON, MARYLAND

DRAWN BY: S.P.	F.A.P. NO.: N/A	TS NO. 4275	SHEET NO.
CHECKED BY: T.H.	S.H.A. NO.:	T.I.M.S. NO. F590	1 OF 2
SCALE: 1"= 20	COUNTY: BALTIMORE		
DATE: 6-20-03	LOG MILE: 0300451.60		

THISISWHERE$YOUR$FILENAME$WILL$PLOT THIS$SPACE$ISFORTHE$DATE