MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

19.24

21

W13-1
(18" X 18")

20.25

W3-3
(48" X 48")

EXISTING SIGNS

22

R10-12
(36" X 42")

30

R3-5L
(30" X 36")

26

R10-5
(24" X 18")

27

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

23

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

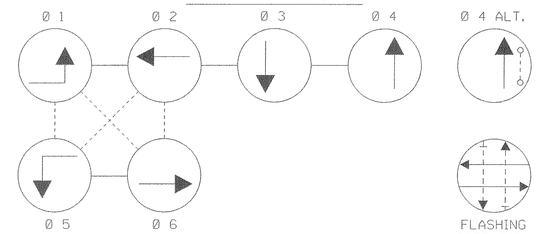
29

M95-1 (MODIFIED)
(VAR. X 48")

28

M95-1 (MODIFIED)
(VAR. X 48")

NEMA PHASING



FLASHING OPERATION

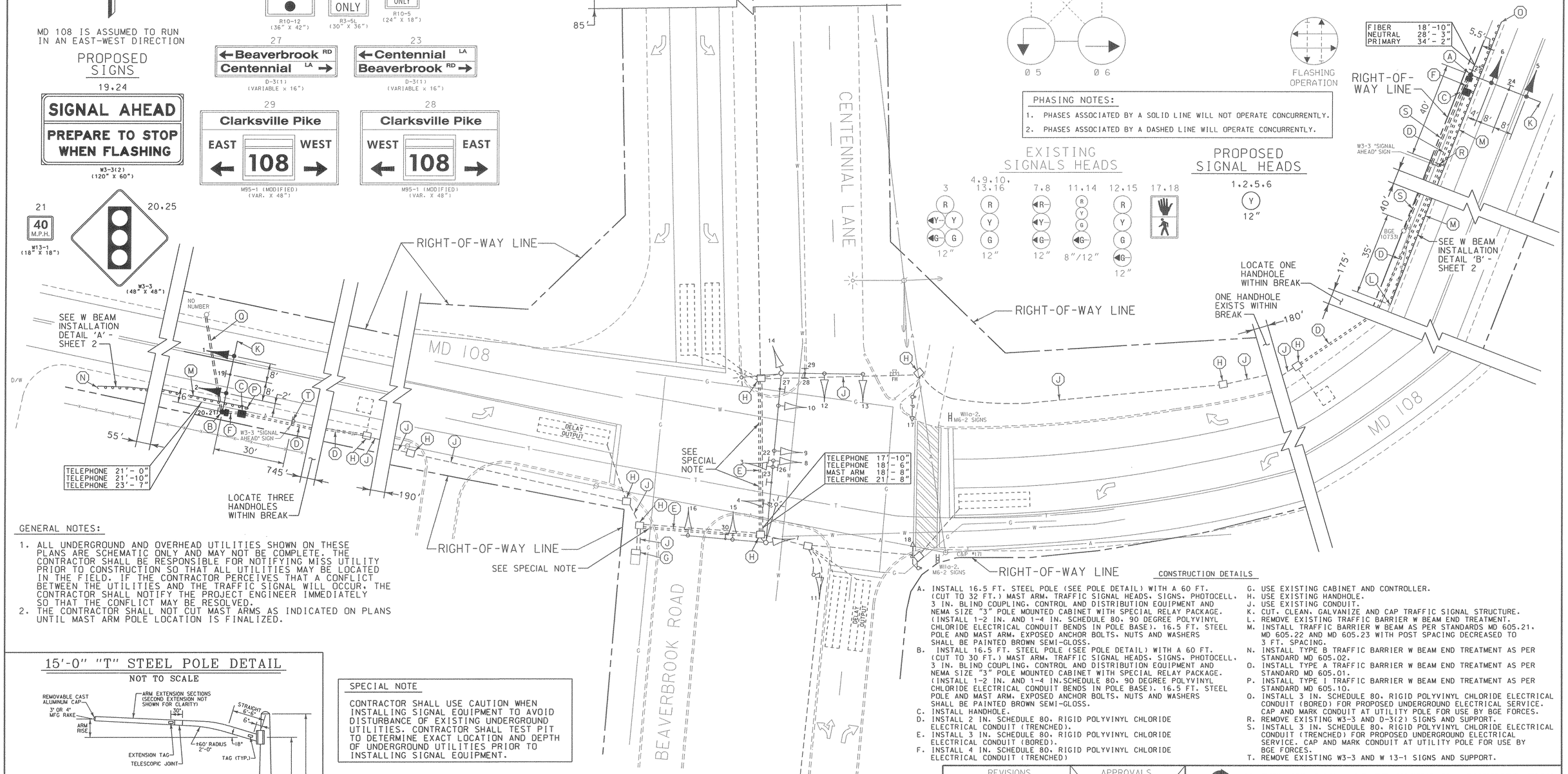
PHASING NOTES:

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

EXISTING SIGNALS HEADS

PROPOSED SIGNAL HEADS

1,2,5,6

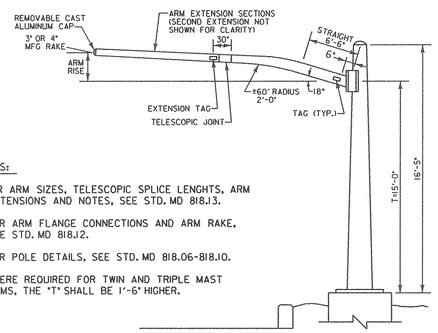


GENERAL NOTES:

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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE 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 NOT CUT MAST ARMS AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.

15'-0" "T" STEEL POLE DETAIL

NOT TO SCALE



NOTES:

1. FOR ARM SIZES, TELESCOPIC SPLICE LENGHTS, ARM EXTENSIONS AND NOTES, SEE STD. MD 818.13.
2. FOR ARM FLANGE CONNECTIONS AND ARM RAKE, SEE STD. MD 818.12.
3. FOR POLE DETAILS, SEE STD. MD 818.06-818.10.
4. WHERE REQUIRED FOR TWIN AND TRIPLE MAST ARMS, THE "T" SHALL BE 1'-6" HIGHER.

SPECIAL NOTE

CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

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

CONSTRUCTION DETAILS

A. INSTALL 16.5 FT. STEEL POLE (SEE POLE DETAIL) WITH A 60 FT. (CUT TO 32 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PHOTOCELL, 3 IN. BLIND COUPLING, CONTROL AND DISTRIBUTION EQUIPMENT AND NEMA SIZE "3" POLE MOUNTED CABINET WITH SPECIAL RELAY PACKAGE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE). 16.5 FT. STEEL POLE AND MAST ARM, EXPOSED ANCHOR BOLTS, NUTS AND WASHERS SHALL BE PAINTED BROWN SEMI-GLOSS.
B. INSTALL 16.5 FT. STEEL POLE (SEE POLE DETAIL) WITH A 60 FT. (CUT TO 30 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PHOTOCELL, 3 IN. BLIND COUPLING, CONTROL AND DISTRIBUTION EQUIPMENT AND NEMA SIZE "3" POLE MOUNTED CABINET WITH SPECIAL RELAY PACKAGE. (INSTALL 1-2 IN. AND 1-4 IN.SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE). 16.5 FT. STEEL POLE AND MAST ARM, EXPOSED ANCHOR BOLTS, NUTS AND WASHERS SHALL BE PAINTED BROWN SEMI-GLOSS.
C. INSTALL HANDHOLE.
D. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
E. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
F. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
G. USE EXISTING CABINET AND CONTROLLER.
H. USE EXISTING HANDHOLE.
J. USE EXISTING CONDUIT.
K. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
L. REMOVE EXISTING TRAFFIC BARRIER W BEAM END TREATMENT.
M. INSTALL TRAFFIC BARRIER W BEAM AS PER STANDARDS MD 605.21, MD 605.22 AND MD 605.23 WITH POST SPACING DECREASED TO 3 FT. SPACING.
N. INSTALL TYPE B TRAFFIC BARRIER W BEAM END TREATMENT AS PER STANDARD MD 605.02.
O. INSTALL TYPE A TRAFFIC BARRIER W BEAM END TREATMENT AS PER STANDARD MD 605.01.
P. INSTALL TYPE I TRAFFIC BARRIER W BEAM END TREATMENT AS PER STANDARD MD 605.10.
Q. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY BGE FORCES.
R. REMOVE EXISTING W3-3 AND D-3(2) SIGNS AND SUPPORT.
S. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY BGE FORCES.
T. REMOVE EXISTING W3-3 AND W 13-1 SIGNS AND SUPPORT.

REVISIONS

K	ADDED ADVANCED HB ON EASTBOUND AND WESTBOUND MD 108	5-11-01
N.M.L.		
J	AS BUILD	11-30-95
A.A.		
H	MODIFY SIGNAL TO PROVIDE EXCLUSIVE WB LEFT TURN, ADDED CROSSWALK	8-18-94
D.M.P.		
A	REDRAWN DUE TO GEO. IMPROVEMENTS SHA. NO. BW-433-8002-712	7-1-91
B.D.B		

APPROVALS

ORIGINAL ON FILE

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF - TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

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

TRAFFIC SIGNALIZATION PLAN
MD 108 & Centennial La./Beaverbrook Rd.

DRAWN BY:	J.V.K/S.H.R	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	D.J.C.	S.H.A. NO.	H0830/59/359	TS-1793K	
SCALE:	1" = 20'	COUNTY:	HOWARD	T.I.M.S. NO.	
DATE:	2-2-81	LOG MILE:	13010808.42	E470	1 OF 2

M:\96011A\e470gp01.dgn