MD 115 IS ASSUMED TO RUN IN A EAST/WEST DIRECTION

PROPOSED SIGNS

11 — Avery RD ≤16200 — D-3(1) (VAR.x16") DUAL FACE — BAGGED IN THIS PHASE

12 — Avery RD ≤16200 — D-3(1) (VAR.x16") DUAL FACE

13 — LEFT TURN YIELD ON GREEN — R10-12 (30"x36")

14 — LEFT TURN YIELD ON GREEN — R10-12 (30"x36") — BAGGED IN THIS PHASE

15 — Muncaster Mill RD ≤5700 — D-3(1) (VAR.x16")

16 — WEST MARYLAND 115 EAST — M95-1 (96"x24")

PROPOSED SIGNALS

1,2,4,7 — 12"

3 — 12"

5 — 12" — BAGGED IN THIS PHASE

6,9 — 12"

8 — 12"

10 — 12" — BAGGED IN THIS PHASE

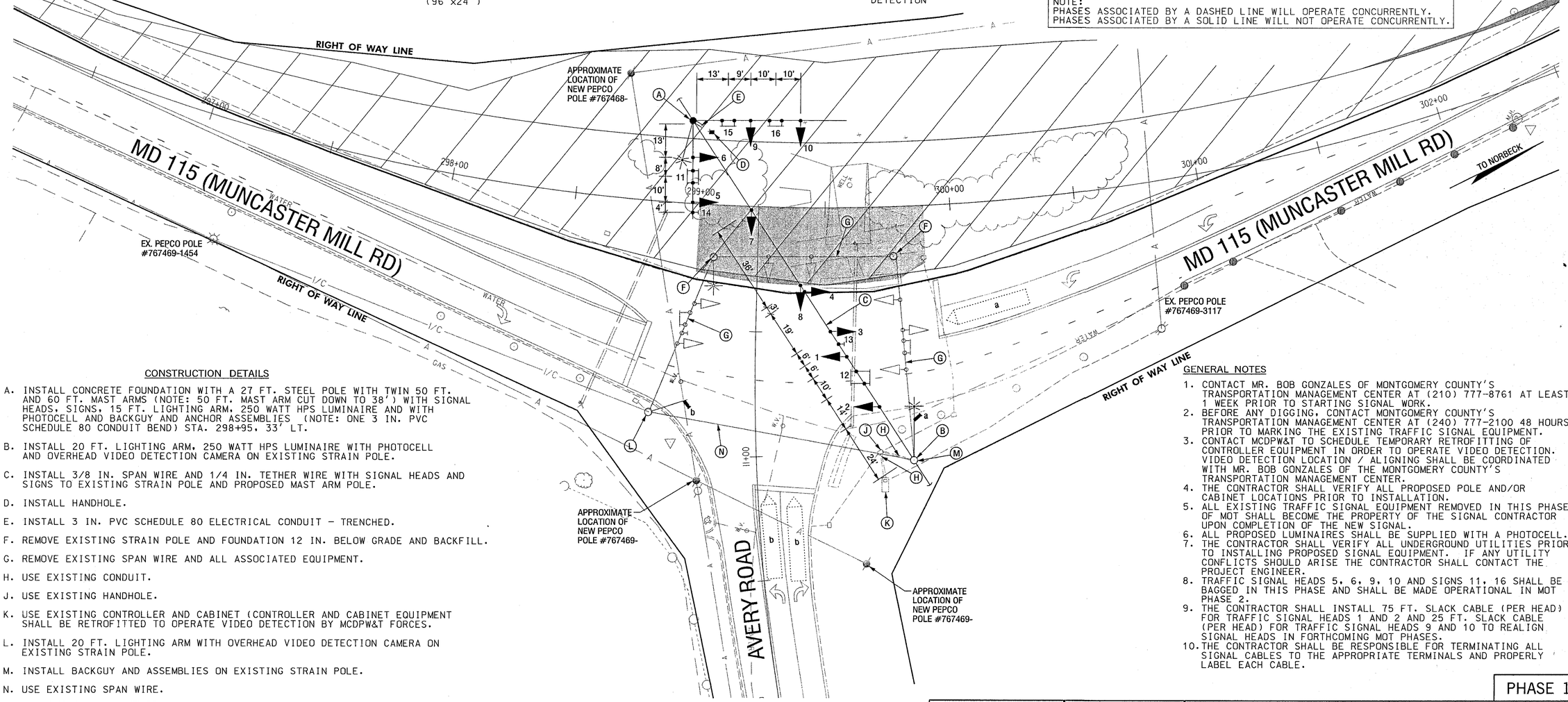
a,b — PROPOSED VIDEO DETECTION

NEMA PHASING

Ø2 Ø4 Ø5 Ø6

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT. AND 60 FT. MAST ARMS (NOTE: 50 FT. MAST ARM CUT DOWN TO 38') WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND WITH PHOTOCELL AND BACKGUY AND ANCHOR ASSEMBLIES (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 298+95, 33' LT.

B. INSTALL 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND OVERHEAD VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.

C. INSTALL 3/8 IN. SPAN WIRE AND 1/4 IN. TETHER WIRE WITH SIGNAL HEADS AND SIGNS TO EXISTING STRAIN POLE AND PROPOSED MAST ARM POLE.

D. INSTALL HANDHOLE.

E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

F. REMOVE EXISTING STRAIN POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

G. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

H. USE EXISTING CONDUIT.

J. USE EXISTING HANDHOLE.

K. USE EXISTING CONTROLLER AND CABINET (CONTROLLER AND CABINET EQUIPMENT SHALL BE RETROFITTED TO OPERATE VIDEO DETECTION BY MCDPW&T FORCES.

L. INSTALL 20 FT. LIGHTING ARM WITH OVERHEAD VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.

M. INSTALL BACKGUY AND ASSEMBLIES ON EXISTING STRAIN POLE.

N. USE EXISTING SPAN WIRE.

GENERAL NOTES

1. CONTACT MR. BOB GONZALES OF MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (210) 777-8761 AT LEAST 1 WEEK PRIOR TO STARTING SIGNAL WORK.
2. BEFORE ANY DIGGING, CONTACT MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (240) 777-2100 48 HOURS PRIOR TO MARKING THE EXISTING TRAFFIC SIGNAL EQUIPMENT.
3. CONTACT MCDPW&T TO SCHEDULE TEMPORARY RETROFITTING OF CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION. VIDEO DETECTION LOCATION / ALIGNING SHALL BE COORDINATED WITH MR. BOB GONZALES OF THE MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER.
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND/OR CABINET LOCATIONS PRIOR TO INSTALLATION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED IN THIS PHASE OF MOT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
6. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. TRAFFIC SIGNAL HEADS 5, 6, 9, 10 AND SIGNS 11, 16 SHALL BE BAGGED IN THIS PHASE AND SHALL BE MADE OPERATIONAL IN MOT PHASE 2.
9. THE CONTRACTOR SHALL INSTALL 75 FT. SLACK CABLE (PER HEAD) FOR TRAFFIC SIGNAL HEADS 1 AND 2 AND 25 FT. SLACK CABLE (PER HEAD) FOR TRAFFIC SIGNAL HEADS 9 AND 10 TO REALIGN SIGNAL HEADS IN FORTHCOMING MOT PHASES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

PHASE 1

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
I/C	TELEPHONE CABLES

MAINTENANCE OF TRAFFIC LEGEND

WORK THIS PHASE
TEMPORARY PAVEMENT
TEMPORARY CONCRETE TRAFFIC BARRIER
TEMPORARY CRASH CUSHION, SAND FILLED PLASTIC BARRELS
PLASTIC DRUMS

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

REVISIONS

A	PHASE 1 MOT SIGNAL RECONSTRUCTION DUE TO GEOMETRIC IMPROVEMENTS	03-24-03

SWA — M0910821

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 115 (MUNCASTER MILL ROAD) AT AVERY ROAD

DRAWN BY: W. MALCOLM	F.A.P. NO.	TS NO. TS-4223A	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F-489	OF
DATE: JANUARY, 1990	LOG MILE: 15011503.68		

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