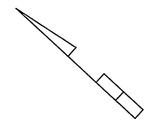
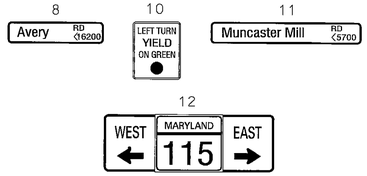


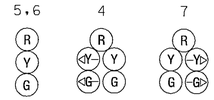
MD 115 IS ASSUMED TO RUN IN A EAST/WEST DIRECTION

PROPOSED SIGNS

EXISTING SIGNS TO REMAIN

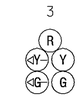


EXISTING SIGNALS TO REMAIN



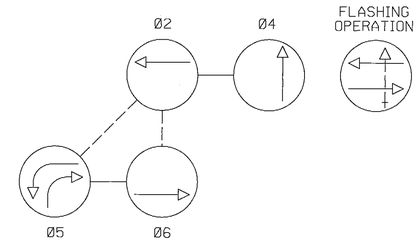
a,b
EXISTING VIDEO DETECTION

PROPOSED SIGNALS

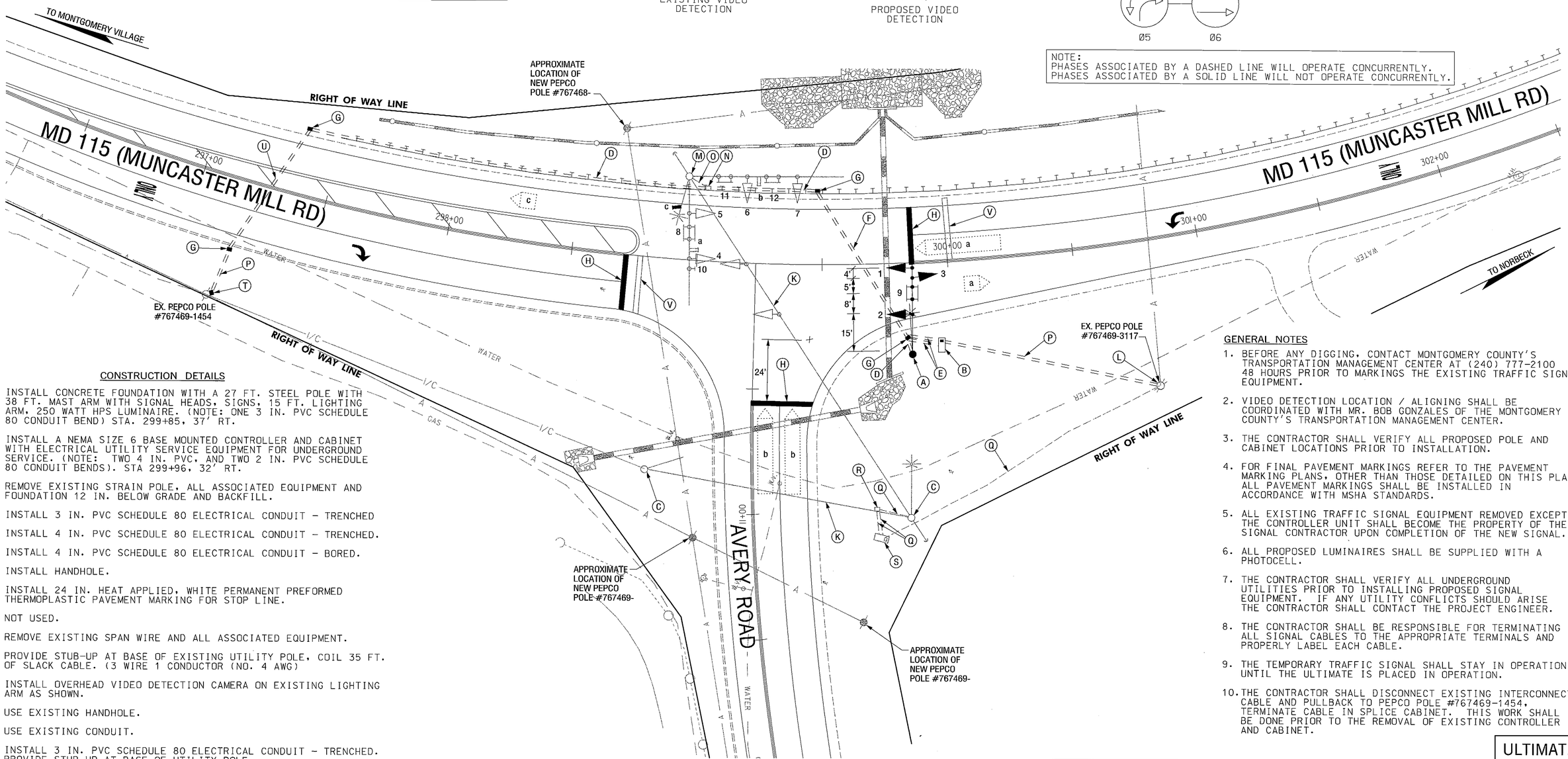


c
PROPOSED VIDEO DETECTION

NEMA PHASING



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 38 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 299+85, 37' RT.

B. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO 4 IN. PVC, AND TWO 2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 299+96, 32' RT.

C. REMOVE EXISTING STRAIN POLE, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

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

E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

G. INSTALL HANDHOLE.

H. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

J. NOT USED.

K. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

L. PROVIDE STUB-UP AT BASE OF EXISTING UTILITY POLE, COIL 35 FT. OF SLACK CABLE. (3 WIRE 1 CONDUCTOR (NO. 4 AWG)

M. INSTALL OVERHEAD VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM AS SHOWN.

N. USE EXISTING HANDHOLE.

O. USE EXISTING CONDUIT.

P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. PROVIDE STUB-UP AT BASE OF UTILITY POLE.

Q. CAP AND ABANDON EXISTING CONDUIT.

R. REMOVE AND DISPOSE OF EXISTING HANDHOLE AND BACKFILL.

S. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL (SEE GENERAL NOTE 10).

T. INSTALL POLE MOUNTED SPLICE CABINET AND 3 IN. U-GUARD - PVC RISER ON EXISTING PEPCO POLE.

U. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

V. REMOVE EXISTING PAVEMENT MARKINGS.

GENERAL NOTES

1. BEFORE ANY DIGGING, CONTACT MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER AT (240) 777-2100 48 HOURS PRIOR TO MARKINGS THE EXISTING TRAFFIC SIGNAL EQUIPMENT.
2. VIDEO DETECTION LOCATION / ALIGNING SHALL BE COORDINATED WITH MR. BOB GONZALES OF THE MONTGOMERY COUNTY'S TRANSPORTATION MANAGEMENT CENTER.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
4. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THIS PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
9. THE TEMPORARY TRAFFIC SIGNAL SHALL STAY IN OPERATION UNTIL THE ULTIMATE IS PLACED IN OPERATION.
10. THE CONTRACTOR SHALL DISCONNECT EXISTING INTERCONNECT CABLE AND PULLBACK TO PEPCO POLE #767469-1454, TERMINATE CABLE IN SPLICE CABINET. THIS WORK SHALL BE DONE PRIOR TO THE REMOVAL OF EXISTING CONTROLLER AND CABINET.

ULTIMATE

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

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SABRA, WANG & ASSOCIATES, INC.
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REVISIONS	APPROVALS
ADDENDUM NO. 1 5-8-03 M09315171	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
SWA	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
Ⓐ SIGNAL RECONSTRUCTION DUE TO GEOMETRIC IMPROVEMENTS 3-24-03 M0910B21	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
SWA	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
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. 43 OF 51
CHECKED BY:		S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. F-489	
DATE:	JANUARY, 1990	LOG MILE:	15.01/503.68		