PROPOSED SIGNS

MD 117 IS ASSUMED TO RUN IN A EAST / WEST DIRECTION

20,22 — Firstfield RD <1000 — D-3(1) (DUAL FACE) (VAR.x16")

24,26 — ONLY — R3-5(R) (30"x36")

27 — EAST MARYLAND 117 — SHIELD ASSEMBLY (48"x75")

28 — EAST MARYLAND 117 — SHIELD ASSEMBLY (30"x51")

23,25 — ONLY — R3-5(L) (30"x36")

31,32 — Clopper RD <0000 — D-3(1) (DUAL FACE) (VAR.x16")

19,21 — LEFT TURN YIELD ON GREEN — R10-12 (30"X36")

29 — WEST MARYLAND 117 — SHIELD ASSEMBLY (48"x75")

30 — WEST MARYLAND 117 — SHIELD ASSEMBLY (30"x51")

R10-4(MOD) (12"X9")

PROPOSED SIGNALS

3,6, 7,9 — 12"

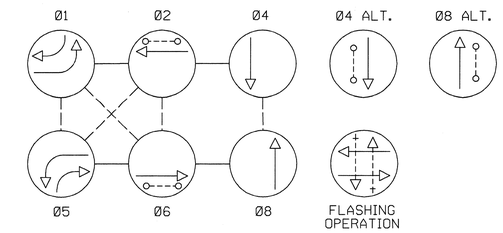
1,2, 4,5 — 12"

8,10 — 12"

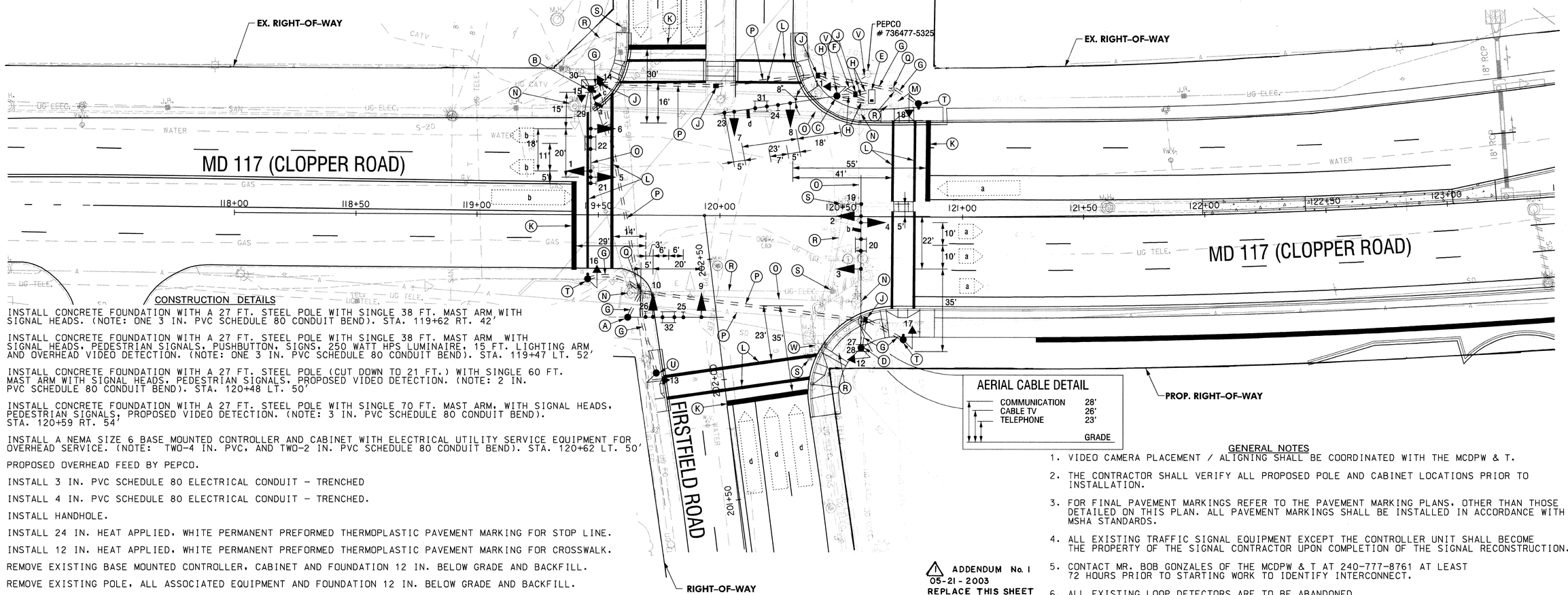
11-18 — 12"

a-d — 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 SINGLE 38 FT. MAST ARM WITH SIGNAL HEADS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 119+62 RT. 42'

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 38 FT. MAST ARM WITH SIGNAL HEADS, PEDESTRIAN SIGNALS, PUSHBUTTON, SIGNS, 250 WATT HPS LUMINAIRE, 15 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 119+47 LT. 52'

C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT DOWN TO 21 FT.) WITH SINGLE 60 FT. MAST ARM WITH SIGNAL HEADS, PEDESTRIAN SIGNALS, PROPOSED VIDEO DETECTION. (NOTE: 2 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 120+48 LT. 50'

D. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM, WITH SIGNAL HEADS, PEDESTRIAN SIGNALS, PROPOSED VIDEO DETECTION. (NOTE: 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 120+59 RT. 54'

E. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR OVERHEAD SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 120+62 LT. 50'

F. PROPOSED OVERHEAD FEED BY PEPCO.

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

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

J. INSTALL HANDHOLE.

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

L. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.

M. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

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

O. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

Q. USE EXISTING HANDHOLE.

R. CAP AND ABANDON EXISTING CONDUIT.

S. REMOVE EXISTING HANDHOLE AND BACKFILL

T. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 119+46 RT. 27', STA. 120+76 RT. 51', STA. 120+82 LT. 47'

U. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 119+74 RT. 65'

V. INSTALL 20 FT. 4 IN. PVC CONDUIT RISER TO PROPOSED SIGNAL POLE.

W. CONTRACTOR SHALL CONTACT MR. TOM SHOEMAKER OF MCDPW AT (240)-777-2161 TO COORDINATE REMOVAL OF THE EXISTING LIGHTING POLE.

GENERAL NOTES

1. VIDEO CAMERA PLACEMENT / ALIGNING SHALL BE COORDINATED WITH THE MCDPW & T.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. 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.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL RECONSTRUCTION.
5. CONTACT MR. BOB GONZALES OF THE MCDPW & T AT 240-777-8761 AT LEAST 72 HOURS PRIOR TO STARTING WORK TO IDENTIFY INTERCONNECT.
6. ALL EXISTING LOOP DETECTORS ARE TO BE ABANDONED.

1 ADDENDUM No. 1
05-21-2003
REPLACE THIS SHEET

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

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WWW.SABRA-WANG.COM

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
1 03-03 SIGNAL MODIFICATION DUE TO GEOMETRIC CHANGES MD8135171 SWA	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
TRAFFIC SIGNAL PLAN

MD 117 (CLOPPER ROAD) AT FIRSTFIELD ROAD

DRAWN BY: G.E.C.	F.A.P. NO. SEE TITLE SHEET	TS NO. TS-2028 A	SHEET NO.
CHECKED BY: D.J.D.	S.H.A. NO. M508501385		
SCALE: 1"=20'	COUNTY: MONTGOMERY	T.I.M.S. NO. E-844	59 OF 90
DATE: 8/24/84	LOG MILE: 15.01 17.11.08		

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