EXISTING SIGNS

TO BE REMOVED

19A

Marriottsville Rd
Lancelot Cross

21A

Marriottsville Rd
Lancelot Cross

MD 144 IS CONSIDERED TO RUN IN AN EAST WEST DIRECTION.

PROPOSED SIGNS

10, 10A

10 Marriottsville RD

10A Marriottsville RD

96"X16"
D-3(1)
DUAL FACED
MAST ARM MOUNTED

11, 11A

11 Lancelot Cross

11A Lancelot Cross

96"X16"
D-3(1)
DUAL FACED
MAST ARM MOUNTED

13, 16

Frederick RD

72"X16"
D-3(1)
DUAL FACED
MAST ARM MOUNTED

22

ONLY

R3-5(R)
(30"X36")

23

RIGHT LANE
MUST
TURN RIGHT

R3-7(R)
30"X30"

12 WEST MARYLAND 144 48"X75"

14 EAST MARYLAND 144 30"X51"

15 EAST MARYLAND 144 48"X75"

17 WEST MARYLAND 144 30"X51"

POLE MOUNTED
ASSOCIATED SHIELD ASSEMBLIES

18, 20

NEW

36"X36"
W3-3
24"X24"
W16-14(1)

21

Lancelot Cross
Marriottsville Rd
NEXT SIGNAL

D3-2(2)
84"X36"

19

Marriottsville Rd
Lancelot Cross
NEXT SIGNAL

D3-2(2)
84"X36"

PROPOSED VIDEO DETECTION

a-c

PROPOSED SIGNALS

1: R, Y, G — 12"/8"

2: R, Y, G — 12"

3-9: R, Y, G — 12"

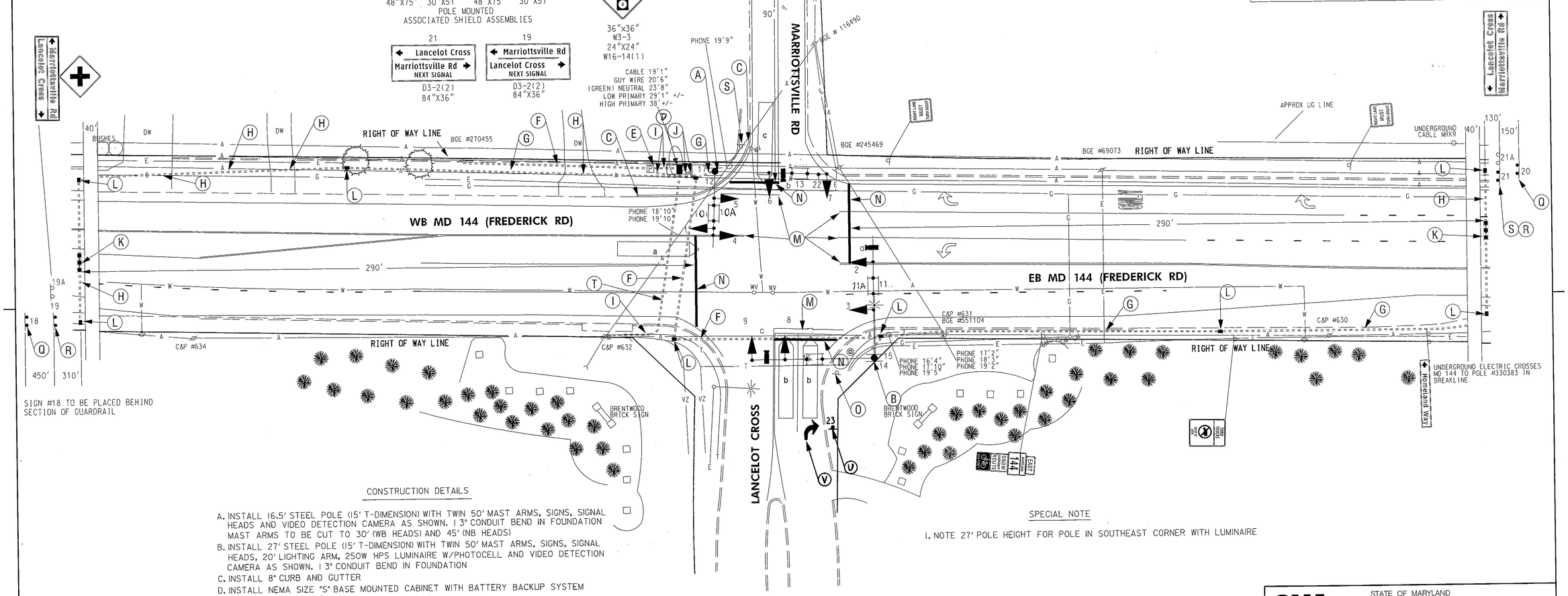
NEMA PHASING

Ø1 Ø2 Ø4

Ø6 Ø8

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 16.5' STEEL POLE (15' T-DIMENSION) WITH TWIN 50' MAST ARMS, SIGNS, SIGNAL HEADS AND VIDEO DETECTION CAMERA AS SHOWN. 1 3" CONDUIT BEND IN FOUNDATION MAST ARMS TO BE CUT TO 30' (WB HEADS) AND 45' (NB HEADS)
B. INSTALL 27' STEEL POLE (15' T-DIMENSION) WITH TWIN 50' MAST ARMS, SIGNS, SIGNAL HEADS, 20' LIGHTING ARM, 250W HPS LUMINAIRE W/PHOTOCELL AND VIDEO DETECTION CAMERA AS SHOWN. 1 3" CONDUIT BEND IN FOUNDATION
C. INSTALL 8" CURB AND GUTTER
D. INSTALL NEMA SIZE "S" BASE MOUNTED CABINET WITH BATTERY BACKUP SYSTEM 2 4" AND 2 2" CONDUIT BENDS IN FOUNDATION
E. INSTALL METERED SERVICE PEDESTAL
F. INSTALL 4" SCH 80 RIGID PVC CONDUIT-BORED
G. INSTALL 3" SCH 80 RIGID PVC CONDUIT-TRENCHED
H. INSTALL 3" SCH 80 RIGID PVC CONDUIT-BORED
I. INSTALL 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
J. INSTALL 4" SCH 80 RIGID PVC CONDUIT TRENCHED
K. INSTALL NON-INVASIVE MICRO LOOP PROBE IN 3" CONDUIT
L. INSTALL ELECTRICAL HANDHOLE
M. REMOVE EXISTING PAVEMENT MARKING
N. INSTALL 24" PREFORMED THERMOPLASTIC PAVEMENT MARKING
O. REMOVE EXISTING GROUND MOUNTED SIGN
P. INSTALL GROUND MOUNTED SIGN AS SHOWN
Q. INSTALL NEW SIGNAL AHEAD ASSEMBLY ON 2 4"X6" WOOD SUPPORTS
R. INSTALL NEW "NEXT SIGNAL" SIGN ON 2 4"X6" WOOD SUPPORTS
S. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS
T. INSTALL 2" SCH 80 RIGID PVC CONDUIT-BORED

U. INSTALL PROPOSED GROUND MOUNTED SIGN ON ONE 4"X4" WOOD SIGN SUPPORT
V. INSTALL PROPOSED PAVEMENT MARKING ARROW AS SHOWN

SPECIAL NOTE

1. NOTE 27' POLE HEIGHT FOR POLE IN SOUTHEAST CORNER WITH LUMINAIRE

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
F	FIBER-OPTIC

TOD NO: XX354-21M
SHA NO: HO467K53
MD 144 @ Marriottsville Rd/Lancelot Cross

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 144 (FREDERICK RD) @ MARRIOTTSVILLE RD/LANCELOT CROSS

APPROVALS

TEAM LEADER 12-13-10
ASST. DIV. CHIEF 12-13-10
DIVISION CHIEF 12.13.10
OFFICE DIRECTOR 12/14

REVISIONS

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 12/15/10 CONTRACT NO. XX3545168

DESIGNED BY C STRAIN
DRAWN BY C STRAIN
CHECKED BY D DODA
F.A.P. NO.

COUNTY HOWARD
LOGMILE 13014413.62
TIMS NO. K662
TOD NO.

TS NO. 4781 | DRAWING SG-1 OF 1 | SHEET NO. 1 OF 2

PLOTTED: Friday, December 10, 2010 at 12:18:32 PM
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BY: cstrain