EXISTING SIGNS TO BE REMOVED

7a — Dalrymple Rd

13a — Dalrymple Rd

16a

17a — STOP

MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

7,12 — W3-3 (48" x 48") W/"NEW" PANEL (24" x 24") AND FLAGS

16 — W3-3 (36" x 36") W/"NEW" PANEL (24" x 24") AND FLAGS

9 — Dalrymple RD

14 — Dalrymple RD — D-3(1) DUAL FACED (VAR.x16")

10 — Dalrymple RD

15 — Dalrymple RD — D-3(1) DUAL FACED (VAR.x16")

17 — SOUTH 2 NORTH — M95-1 (72" x 24")

8,13 — Dalrymple Road NEXT SIGNAL — D-3(3) (72" x 24")

11 — ONLY — R3-5(R) (30"x36")

COMM. CABLE	24'- 3"
TELEPHONE	26'- 1"
FIBER	27'- 3"
SECONDARY	33'- 9"
PRIMARY	36'- 7"

PROPOSED VIDEO DETECTION CAMERA

VIDEO ZONE DETECTION

PROPOSED SIGNALS

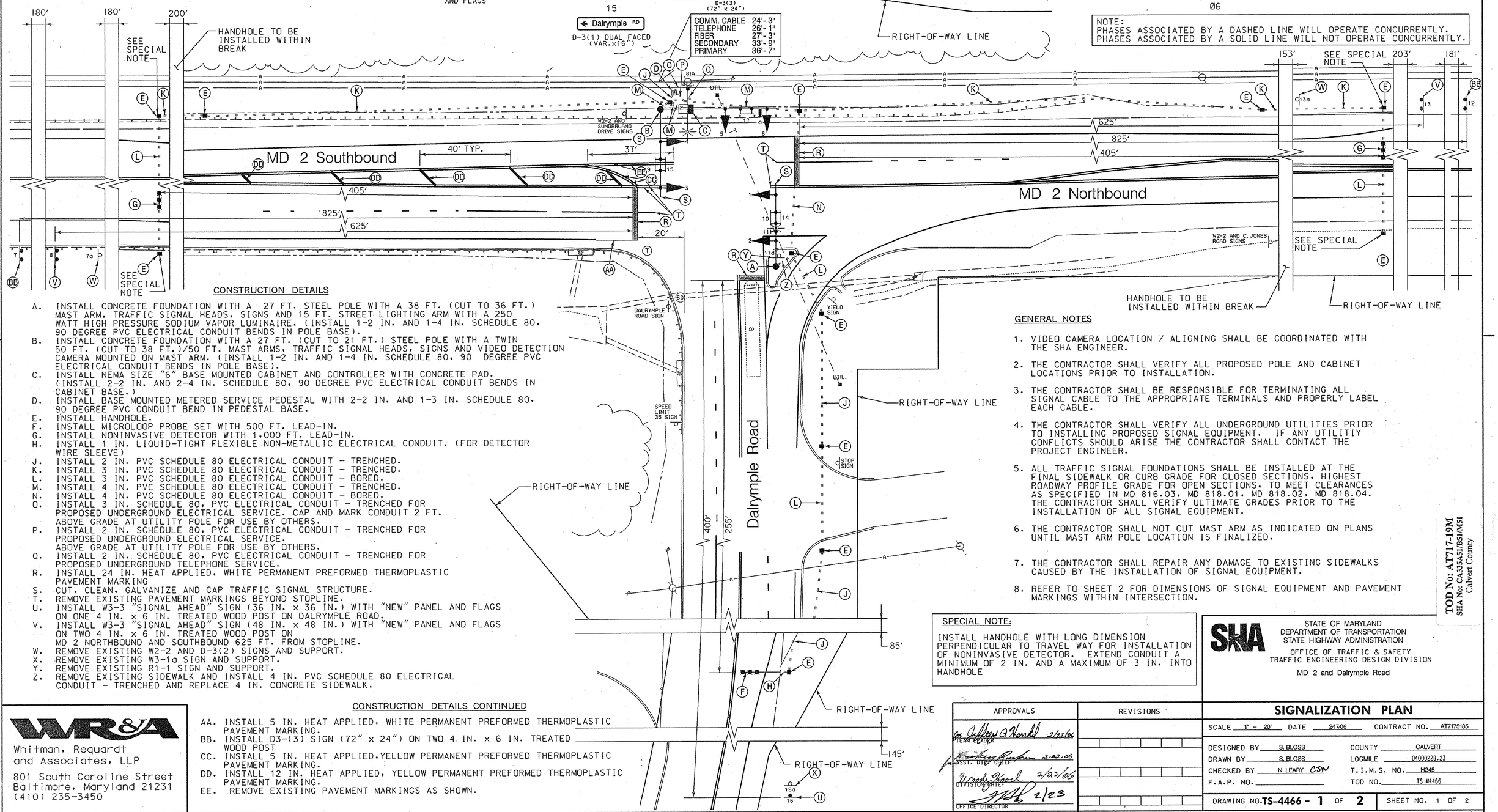
1-6 — R Y G — 12" LED

NEMA PHASING

Ø2 Ø4 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 A 38 FT. (CUT TO 36 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. (CUT TO 21 FT.) STEEL POLE WITH A TWIN 50 FT. (CUT TO 38 FT.)/50 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
C. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
D. INSTALL BASE MOUNTED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND IN PEDESTAL BASE.
E. INSTALL HANDHOLE.
F. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
G. INSTALL NONINVASIVE DETECTOR WITH 1,000 FT. LEAD-IN.
H. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
J. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
N. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
O. INSTALL 3 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
P. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
Q. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE.
R. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
S. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
T. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOPLINE.
U. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. x 6 IN. TREATED WOOD POST ON DALRYMPLE ROAD.
V. INSTALL W3-3 "SIGNAL AHEAD" SIGN (48 IN. x 48 IN.) WITH "NEW" PANEL AND FLAGS ON TWO 4 IN. x 6 IN. TREATED WOOD POST ON MD 2 NORTHBOUND AND SOUTHBOUND 625 FT. FROM STOPLINE.
W. REMOVE EXISTING W2-2 AND D-3(2) SIGNS AND SUPPORT.
X. REMOVE EXISTING W3-1a SIGN AND SUPPORT.
Y. REMOVE EXISTING R1-1 SIGN AND SUPPORT.
Z. REMOVE EXISTING SIDEWALK AND INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND REPLACE 4 IN. CONCRETE SIDEWALK.

CONSTRUCTION DETAILS CONTINUED

AA. INSTALL 5 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
BB. INSTALL D3-(3) SIGN (72" x 24") ON TWO 4 IN. x 6 IN. TREATED WOOD POST
CC. INSTALL 5 IN. HEAT APPLIED, YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
DD. INSTALL 12 IN. HEAT APPLIED, YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
EE. REMOVE EXISTING PAVEMENT MARKINGS AS SHOWN.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
6. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
7. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
8. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

SPECIAL NOTE:

INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NONINVASIVE DETECTOR. EXTEND CONDUIT A MINIMUM OF 2 IN. AND A MAXIMUM OF 3 IN. INTO HANDHOLE

TOD No: AT717-19M
SHA No: CA335A51/B51/M51
Calvert County

WR&A
Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

BY: BDONOWAY

APPROVALS	
NEMA ENGR	2/22/06
ASST. DIV. CHIEF	2.22.06
DIVISION CHIEF	2/22/06
OFFICE DIRECTOR	2/23

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2 and Dalrymple Road

SIGNALIZATION PLAN

SCALE 1" = 20' DATE 2/7/06 CONTRACT NO. AT7175185

DESIGNED BY S. BLOSS COUNTY CALVERT
DRAWN BY S. BLOSS LOGMILE 04000228.23
CHECKED BY N. LEARY CSW T.I.M.S. NO. H245
F.A.P. NO. TOD NO. TS #4466

DRAWING NO. TS-4466 - 1 OF 2 SHEET NO. 1 OF 2

PLOTTED: MONDAY, FEBRUARY 20, 2006 AT 08:07 AM
FILE: N:\31492131\CADD\TRAFFIC\PSG-P001_H245.DGN