MD 146 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

PROPOSED SIGNS

41,43 — W11-2 (36"X36") W16-7PR (30" X 18")

42,44 — W11-2 (36" X 36") W16-7PL (30" X 18")

22,24 — ONLY ONLY

23a,23b,26a,26b — Fairmount Ave.

31a, 31b — Dulaney Valley Rd.

EXISTING SIGNS

32,34 33,35 36,38 37,39 — PUSH BUTTON FOR PEDESTRIAN DULANEY VALLEY RD / PUSH BUTTON FOR PEDESTRIAN FAIRMOUNT AVENUE — STREET NAME SINGLE TYPE 2

DULANEY VALLEY ROAD — FAIRMOUNT AVENUE

21,25,28,30

40 — YIELD

EXISTING SIGNS TO BE REMOVED

27 — YIELD WHEN TURNING ON GREEN — R10-12

29 — LEFT TURN YIELD ON GREEN — R10-12

EXISTING SIGNALS

1,2,5,6 — R Y G — 12"

3,4,7, 8,10,12 — R Y G — 12"

9,11 — R Y G — 12"

13-20 — 16"

PROPOSED VIDEO DETECTION a,b,c,d

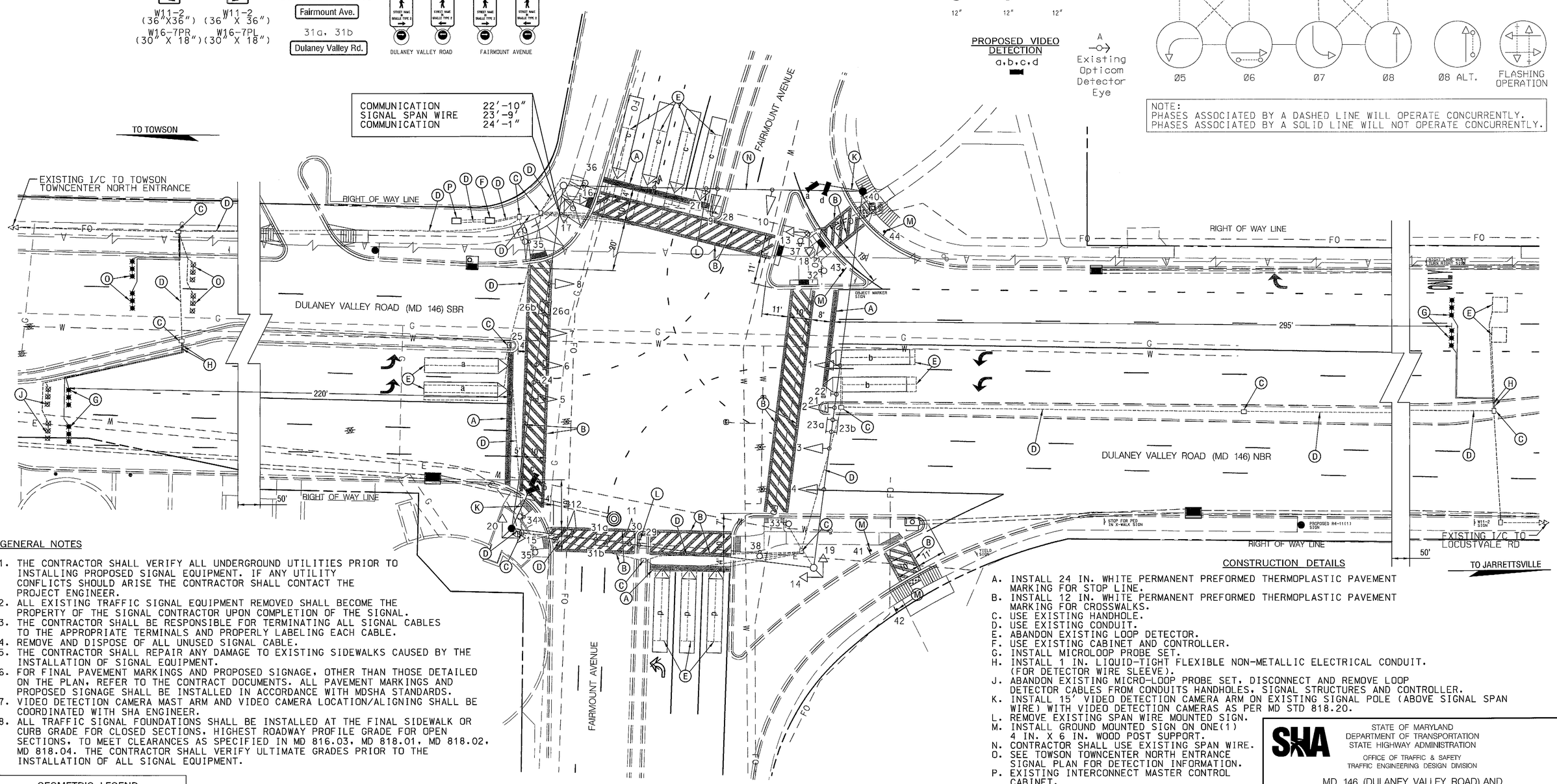
A — Existing Opticom Detector Eye

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø4 ALT. PRE-EMPTION

Ø5 Ø6 Ø7 Ø8 Ø8 ALT. FLASHING OPERATION

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



GENERAL NOTES

1. 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.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
5. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
6. FOR FINAL PAVEMENT MARKINGS AND PROPOSED SIGNAGE, OTHER THAN THOSE DETAILED ON THE PLAN, REFER TO THE CONTRACT DOCUMENTS. ALL PAVEMENT MARKINGS AND PROPOSED SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
7. VIDEO DETECTION CAMERA MAST ARM AND VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH SHA ENGINEER.
8. 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.

CONSTRUCTION DETAILS

A. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
B. INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
C. USE EXISTING HANDHOLE.
D. USE EXISTING CONDUIT.
E. ABANDON EXISTING LOOP DETECTOR.
F. USE EXISTING CABINET AND CONTROLLER.
G. INSTALL MICROLOOP PROBE SET.
H. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE).
J. ABANDON EXISTING MICRO-LOOP PROBE SET, DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
K. INSTALL 15' VIDEO DETECTION CAMERA ARM ON EXISTING SIGNAL POLE (ABOVE SIGNAL SPAN WIRE) WITH VIDEO DETECTION CAMERAS AS PER MD STD 818.20.
L. REMOVE EXISTING SPAN WIRE MOUNTED SIGN.
M. INSTALL GROUND MOUNTED SIGN ON ONE(1) 4 IN. X 6 IN. WOOD POST SUPPORT.
N. CONTRACTOR SHALL USE EXISTING SPAN WIRE.
O. SEE TOWSON TOWNCENTER NORTH ENTRANCE SIGNAL PLAN FOR DETECTION INFORMATION.
P. EXISTING INTERCONNECT MASTER CONTROL CABINET.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
SAN — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
FO — FIBER-OPTIC

1 REDLINE NO.1 8/17/12 REPLACED SHEET

3 ADDENDUM NO.3 7/9/12 REPLACED SHEET

20' 0 20' 40'
SCALE: 1" = 20'

PREPARED BY
URS
HUNT VALLEY, MARYLAND

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS

3 INSTALL VIDEO DETECTION CAMERAS 5/29/12
SHA NO.: BA9825177
TIMS# L171
JWK/JS SDY RDB MCP CJW

D1 REDLINE REVISION REVISED SIDEWALK AND RAMPS AT7825185 10/9/08
FDB

D REMOVE EXISTING PED INSTALL APS INDICATIONS 6/5/07
SHA NO.: BW996M82
JA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 146 (DULANEY VALLEY ROAD) AND FAIRMOUNT AVENUE
TOWSON, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 8/4/1979 CONTRACT NO. B-968-501-470

DESIGNED BY Balto. Co. COUNTY BALTIMORE
DRAWN BY Balto. Co. LOGMILE 03014600.29
CHECKED BY Balto. Co. T.I.M.S. NO.
F.A.P. NO. TOD NO.

TS NO. 1927E | DRAWING NO. SG - 1 OF 2 | SHEET NO. 39 OF 44

PLOTTED: Thursday, August 02, 2012 AT 12:20 PM
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BY: JVogt