MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

32 (36"X36") (21"X15")
33 (36"X36") (21"X15")
34 R3-5(L) (30"x36")
2 EACH 9"X12"

PROPOSED SIGNS

18,19,26,27: S1-1 FYG (36"X36") M6-2(L) FYG (21"X15")
20,21,22,25: S1-1 FYG (36"X36") M6-2(R) FYG (21"X15")
30: M1-5(6) (48"X72")
31: M1-5(6) (30"X48")
28: M1-5(6) (48"X72")
29: M1-5(6) (30"X48")
23a: ← Ray Rd, D-3(1) DUAL FACED VAR.X16"
23b: Ray Rd →, D-3(1) DUAL FACED VAR.X16"
24a: ← Poplar Ave, D-3(1) DUAL FACED VAR.X16"
24b: Poplar Ave →, D-3(1) DUAL FACED VAR.X16"

PROPOSED LED SIGNALS

1,2,5-9: 12"
3,4: 12"
10-13: 16"

a,b,c PROPOSED IP-BASED VIDEO DETECTION

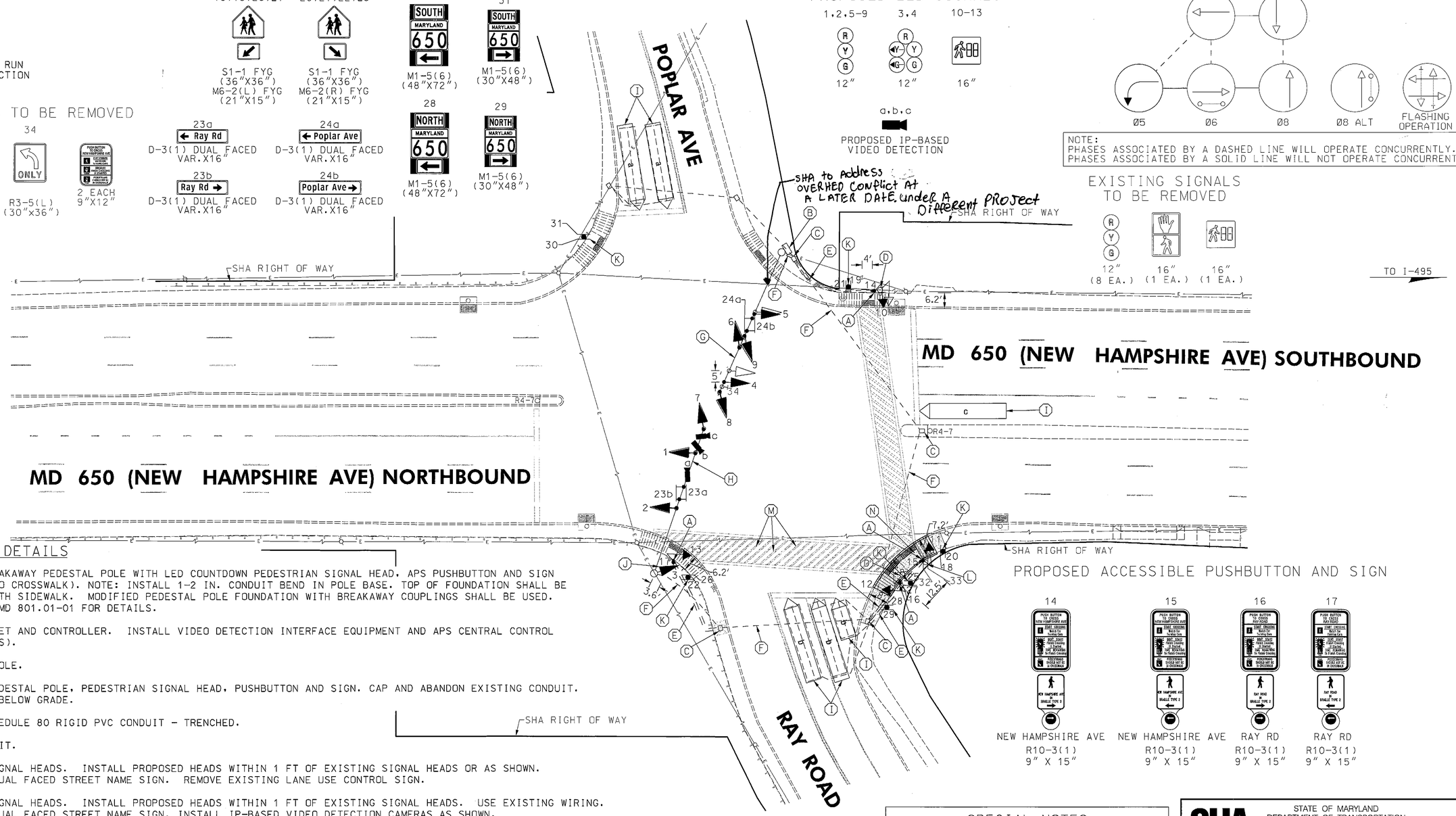
NEMA PHASING

Ø2 Ø4 Ø5 Ø6 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.

EXISTING SIGNALS TO BE REMOVED

12" (8 EA.) 16" (1 EA.) 16" (1 EA.)



PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

14 NEW HAMPSHIRE AVE R10-3(1) 9" X 15"
15 NEW HAMPSHIRE AVE R10-3(1) 9" X 15"
16 RAY RD R10-3(1) 9" X 15"
17 RAY RD R10-3(1) 9" X 15"

CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK. MODIFIED PEDESTAL POLE FOUNDATION WITH BREAKAWAY COUPLINGS SHALL BE USED. REFER TO STANDARD MD 801.01-01 FOR DETAILS.

B. USE EXISTING CABINET AND CONTROLLER. INSTALL VIDEO DETECTION INTERFACE EQUIPMENT AND APS CENTRAL CONTROL UNIT (BY SHA FORCES).

C. USE EXISTING HANDHOLE.

D. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. CAP AND ABANDON EXISTING CONDUIT. REMOVE FOUNDATION BELOW GRADE.

E. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

F. USE EXISTING CONDUIT.

G. REMOVE EXISTING SIGNAL HEADS. INSTALL PROPOSED HEADS WITHIN 1 FT OF EXISTING SIGNAL HEADS OR AS SHOWN. INSTALL PROPOSED DUAL FACED STREET NAME SIGN. REMOVE EXISTING LANE USE CONTROL SIGN.

H. REMOVE EXISTING SIGNAL HEADS. INSTALL PROPOSED HEADS WITHIN 1 FT OF EXISTING SIGNAL HEADS. USE EXISTING WIRING. INSTALL PROPOSED DUAL FACED STREET NAME SIGN. INSTALL IP-BASED VIDEO DETECTION CAMERAS AS SHOWN.

I. PROPOSED VIDEO DETECTION ZONE. INSTALL 12" BEHIND STOP LINE.

J. INSTALL LED TRAFFIC SIGNAL HEAD ON EXISTING MAST ARM POLE.

K. INSTALL SIGNS ON 2-4"X6" WOODEN SIGN SUPPORTS (DRILLED).

L. REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORTS.

M. INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.

N. PROPOSED SIDEWALK RAMP (REFER TO SHEET SP-3 FOR DETAILS).

SPECIAL NOTES

1. REFER TO SHEET SP-3 FOR SIDEWALK DETAILS.
2. REFER TO SHEET SP-2 FOR GENERAL NOTES.

CROSSWALK DETAIL

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: XX354-28
SHA NO: PG901A5A/K5A
MD 650 @ Ray Road/Poplar Avenue

BY: BJG

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

REVISIONS
B — INSTALL E/P LEFT TURN FOR SB APS/CPS FOR EAST & NORTH LEGS TIMS: K-820, XX3545168 03-2011 — BJG WS MKT RE 10/24/11
A — ADDITIONAL LOOP DETECTOR TO BE ADDED TO WB RAY ROAD P-343-001-385 04-24-1984 — DCD TH

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

MD 650 (NEW HAMPSHIRE AVE) AT RAY ROAD & POPLAR AVE
CHILLUM, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE JUNE 1984 CONTRACT NO. P-343-001-385

DESIGNED BY DCD
DRAWN BY MATTHAI
CHECKED BY S. RENZI
FAP NO.
COUNTY PRINCE GEORGE'S COUNTY
LOGMILE 16065000.43
TIMS NO. K-820
TOD NO.

TS NO. 713B DRAWING SP-1 OF 3 SHEET NO. 1 OF 3

PLOTTED: Monday, March 21, 2011 AT 04:44 PM
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