MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

45a,46a, 48a,52a — R3-5L 30"X36"
47a,49a — R3-5R 30"X36"
50a — 24"X30"
51a — R3-6L 30"X36"

PROPOSED SIGNS

37a,37b,38a,38b — D-3(1) 78"X16" (DUAL FACE) — Frederick RD
28,30,31, 33,42 — R3-5L 30"X36"
44 — W11-2 FY 36"X36" M6-2(1) FY 30"X24"
43 — W11-2 FY 36"X36" M6-2(1) FY 30"X24"
29,32 — R3-5R 30"X36"
40 — M1-5(6) 30"X51"
34 — R3-6L 30"X36"
41 — R4-7 @ 15° 24"X30"
39 — M1-5(6) 48"X72"

EXISTING SIGNS TO REMAIN

35b,36a — D-3(1) 96"x16" (DUAL FACE) — Henderson Cor RD
35a,36b — D-3(1) 96"x16" (DUAL FACE) — Henderson Cor RD

EXISTING SIGNALS TO BE REMOVED

1a,3a,4a, 7a,9a — 12"
2a,8a — 8"
5a,6a,10a, 11a,14a,17a — 12"
12a,13a, 15a,16a — 12"
18a,19a,20a, 21a,22a,23a — 12"

PROPOSED LED SIGNALS

1,2,3,6,7 — 12"
4,5,8, 9,12,15 — 12"
10,11,13,14 — 12"
16,17,18, 19,20,21 — 16"
a,b,c,d,e,f,g — PROPOSED IP-BASED VIDEO DETECTION

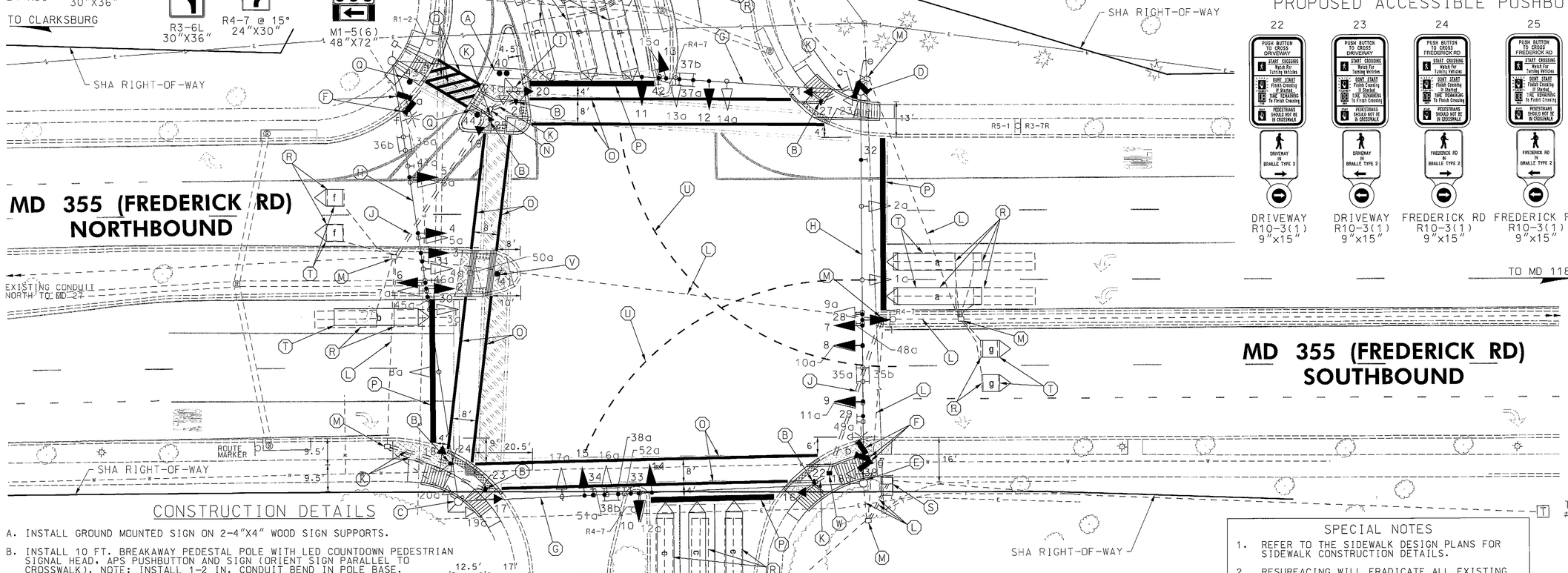
NEMA PHASING

Ø1 Ø2 Ø3 Ø4
Ø5 Ø6 Ø3 ALT. FLASHING OPERATION

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

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

22 — DRIVEWAY R10-3(1) 9"x15"
23 — DRIVEWAY R10-3(1) 9"x15"
24 — FREDERICK RD R10-3(1) 9"x15"
25 — FREDERICK RD R10-3(1) 9"x15"
26 — HENDERSON CORNER RD R10-3(1) 9"x15"
27 — HENDERSON CORNER RD R10-3(1) 9"x15"



CROSSWALK DETAIL

CONSTRUCTION DETAILS

A. INSTALL GROUND MOUNTED SIGN ON 2-4"X4" WOOD SIGN SUPPORTS.

B. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT SIGN PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE. REFER TO STANDARD MD 801-01.01 FOR FOUNDATION DETAILS.

C. REMOVE PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN FROM EXISTING STRAIN POLE. PLUG UNUSED HOLES.

D. REMOVE PEDESTRIAN SIGNAL HEAD FROM EXISTING STRAIN POLE. INSTALL IP-BASED VIDEO DETECTION CAMERAS ON EXISTING STRAIN POLE. PLUG UNUSED HOLES.

E. REMOVE PEDESTRIAN SIGNAL HEAD FROM EXISTING STRAIN POLE. PLUG UNUSED HOLES.

F. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM.

G. REMOVE EXISTING SIGNAL HEADS AND SIGNS ALONG SPAN. INSTALL LED SIGNAL HEADS AND SIGNS. USE EXISTING WIRES UNLESS OTHERWISE INDICATED IN THE WIRING DIAGRAM.

H. REMOVE EXISTING SIGNAL HEADS AND SIGNS ALONG SPAN EXCEPT FOR OVERHEAD STREET NAME SIGNS, WHICH SHALL REMAIN. INSTALL LED SIGNAL HEADS AND SIGNS. USE EXISTING WIRES UNLESS OTHERWISE INDICATED IN THE WIRING DIAGRAM.

I. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATED EQUIPMENT. REMOVE EXISTING FOUNDATION BELOW GRADE AND BACKFILL. CAP AND ABANDON EXISTING CONDUIT.

J. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

K. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. USE EXISTING CONDUIT.

CONSTRUCTION DETAILS (CONT.)

M. USE EXISTING HANDHOLE.

N. USE EXISTING HANDHOLE. ADJUST TO FINAL SIDEWALK GRADE.

O. INSTALL 12 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

P. INSTALL 24 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

Q. INSTALL GROUND MOUNTED SIGN ON 1-6"X6" WOOD SIGN SUPPORT (DRILLED).

R. ABANDON EXISTING LOOP DETECTOR.

S. USE EXISTING CABINET. INSTALL 2-WIRE APS CENTRAL CONTROL UNIT AND IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT.

T. PROPOSED VIDEO DETECTION ZONE.

U. INSTALL 5 INCH SKIP WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING LINE (3 FT. LINE, 3 FT. GAP).

V. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT.

W. INSTALL ELECTRICAL HANDHOLE.

SPECIAL NOTES

1. REFER TO THE SIDEWALK DESIGN PLANS FOR SIDEWALK CONSTRUCTION DETAILS.
2. RESURFACING WILL ERADICATE ALL EXISTING STOP LINE AND CROSSWALK PAVEMENT MARKINGS.
3. SLOTTED CONDUIT SHALL BE INSTALLED PRIOR TO FINAL ROADWAY SURFACE INSTALLATION.

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

UTILITY LEGEND
- SD — STORM DRAIN
- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- E — AERIAL CABLES
- T — TELEPHONE CABLES
- F — FIBER-OPTIC

BY: BJG

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REVISIONS
A — INSTALL APS/CPS. 10-2012
ADA RAMPS AND VIDEO DETECTION
SHA NO. M01315577. TIMS NO. L707

WTS Bud HO MAP MLR CSW

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

MD 355 (FREDERICK RD) AT HENDERSON CORNER RD / NORTH MALL ENT.
GERMANTOWN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 12-17-1993 CONTRACT NO. BW633802312

DESIGNED BY M.A. MEARS
DRAWN BY M.A. MEARS
CHECKED BY S. RENZI
FAP NO.
COUNTY MONTGOMERY
LOGMILE 15035519.54
TIMS NO.
TOD NO.

TS NO. 3394A DRAWING SP-4 OF 7 SHEET NO. 4 OF 7

PLOTTED: Tuesday, October 23, 2012 AT 11:45 AM
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