EXISTING SIGNS TO REMAIN

29a,29b,30a,30b — Milford Mill RD — D-3(1) 90"X16" (DUAL FACE)

31 — Liberty Rd, WEST / MARYLAND 26 / EAST — M1-5(4) 78"x36"

36 — NO TURN ON RED — R10-11b 24"X24"

41 — S1-1 FYG 36"X36" M6-2(1) FYG 30"X24"

32 — Liberty Rd, EAST / MARYLAND 26 / WEST — M1-5(4) 78"x36"

33 — ONLY — R3-5L 30"X36"

34 — R3-6L 30"X36"

35 — ONLY — R3-5R 30"X36"

MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNALS TO REMAIN

1,4 — 12"/8"

2,5 — 12"

3,6,9,12 — 12"

8,11 — 12"

7,10 — 8"/12"

14,15,18,19 — 16"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

FLASHING OPERATION

Ø3 ALT. Ø4 ALT.

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

EXISTING SIGNS TO BE REMOVED

47a,48a — LEFT TURN YIELD ON GREEN — 30"X36"

23a,24a,27a,28a — PUSH BUTTON TO CROSS LIBERTY RD — 9"X12"

37a — 36"X36" 30"X24"

38a,40a — 36"X36" 30"X24"

45a — 24"X30"

PROPOSED SIGNS

37,39,43 — S1-1 FYG 36"X36" M6-2(1) FYG 30"X24"

38,40,42,44 — S1-1 FYG 36"X36" M6-2(1) FYG 30"X24"

45 — R4-7 @ 15° 24"X30"

46 — OM1-3 FY 18"X18"

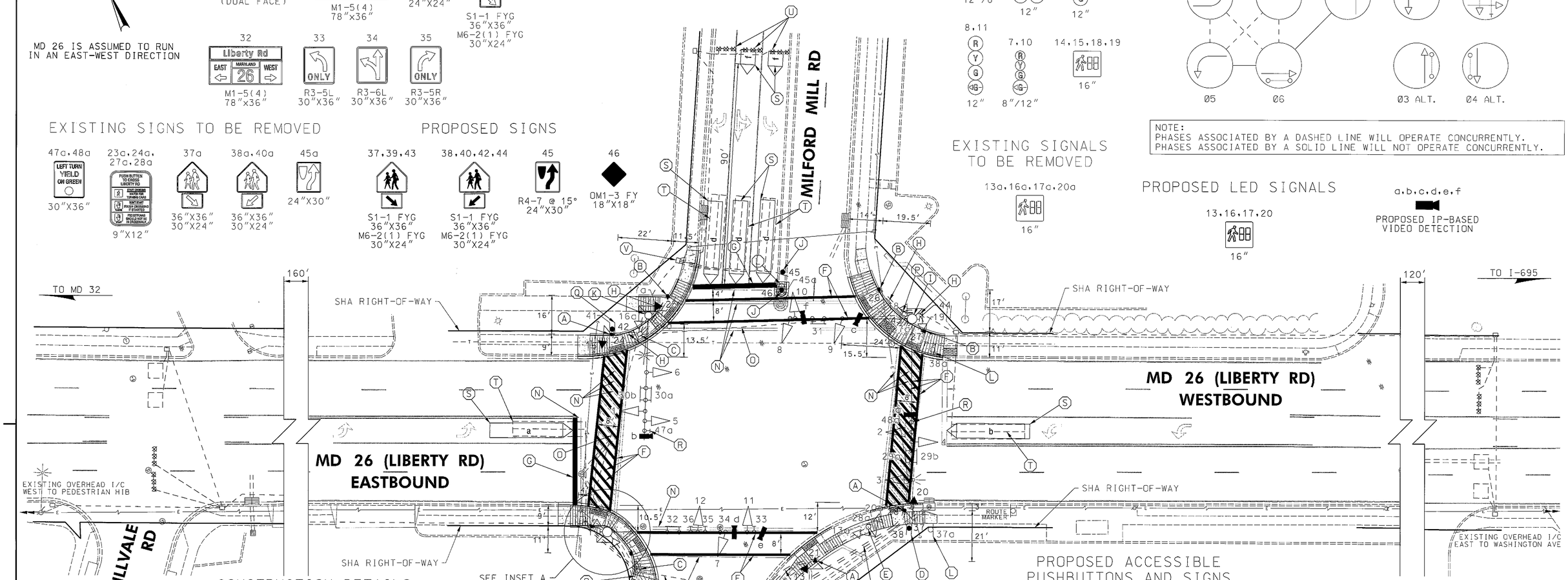
EXISTING SIGNALS TO BE REMOVED

13a,16a,17a,20a — 16"

PROPOSED LED SIGNALS

13,16,17,20 — 16"

a,b,c,d,e,f — PROPOSED IP-BASED VIDEO DETECTION



CONSTRUCTION DETAILS

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

B. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). FOUNDATION SHALL BE FLUSH WITH FINAL SIDEWALK GRADE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE.

C. USE EXISTING HANDHOLE. ADJUST HANDHOLE TO FINAL SIDEWALK GRADE. REPLACE FRAME AND COVER.

D. INSTALL GROUND MOUNTED SIGN ON 1-4"X6" WOOD SIGN SUPPORT (DRILLED). NOTE: SIGN POSTS INSTALLED IN BRICK OR CONCRETE SHALL HAVE A SLEEVED FOUNDATION MEETING THE REQUIREMENTS OF STANDARDS MD 812.05-01 AND MD 812.05-02. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORT.

E. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATED EQUIPMENT. CAP AND ABANDON EXISTING CONDUIT(S). REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

F. INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

G. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

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

I. USE EXISTING MAST ARM POLE. REMOVE EXISTING PUSHBUTTON AND INDICATED SIGNS. INSTALL SIGNS AND IP-BASED VIDEO DETECTION CAMERAS. REMOVE UNUSED CABLES. PLUG UNUSED HOLES.

J. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT. NOTE: SIGN POSTS INSTALLED IN BRICK OR CONCRETE SHALL HAVE A SLEEVED FOUNDATION MEETING THE REQUIREMENTS OF STANDARDS MD 812.05-01 AND MD 812.05-02. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORT.

K. USE EXISTING MAST ARM POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND INDICATED SIGNS. INSTALL IP-BASED VIDEO DETECTION CAMERA AND LED COUNTDOWN PEDESTRIAN SIGNAL HEAD. REMOVE UNUSED CABLES. PLUG UNUSED HOLES.

L. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT(S).

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

N. REMOVE EXISTING PAVEMENT MARKING LINE.

O. USE EXISTING CONDUIT.

P. USE EXISTING HANDHOLE.

INSET A

NOT TO SCALE

BGE # 277259

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

21,25 — MILFORD MILL RD R10-3(1) 9"X15"

22,26 — MILFORD MILL RD R10-3(1) 9"X15"

23,27 — LIBERTY RD R10-3(1) 9"X15"

24,28 — LIBERTY RD R10-3(1) 9"X15"

CONSTRUCTION DETAILS (CONT.)

Q. INSTALL SIGN ON EXISTING WOOD SIGN SUPPORT.

R. REMOVE EXISTING MAST ARM MOUNTED SIGN.

S. PROPOSED VIDEO DETECTION ZONE.

T. ABANDON EXISTING LOOP DETECTOR.

U. ABANDON EXISTING MICROLOOP PROBE SET.

V. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUITS. BACKFILL TO GRADE.

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

REVISIONS
B — INSTALL APS/CPS SHA NO. TIMS NO. L825 — 12-2012
A — INSTALL ADVANCE PEDESTRIAN PHASE TIMS NO. F623 — OT-2003
DBJ | DJD | DAZ | BAK

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

MD 26 (LIBERTY ROAD) AT MILFORD MILL ROAD
MILFORD MILL, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 12-28-1999 CONTRACT NO. BA273A22

DESIGNED BY ____ COUNTY BALTIMORE
DRAWN BY JES LOGMILE 03002607.65
CHECKED BY WW TIMS NO. ____
FAP NO. ____ TOD NO. ____

TS NO. 3969B | DRAWING SP-3 OF 10 | SHEET NO. 1 OF 4

PLOTTED: Monday, January 07, 2013 AT 06:36 AM
FILE: \\rkkm1\v2006\2008\05148_tcdsas\Task 144_MD 26 APS Lochern\CADD\pSG-0033_MD26@MilfordMill.dgn