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

EXISTING SIGNS TO BE REMOVED

PUSH BUTTON TO CROSS PATTERSON ROAD — 9"x15" (1 EA.)

PUSH BUTTON TO CROSS LIBERTY ROAD — 9"x15" (2 EA.)

PATTERSON ROAD IN BRAILLE TYPE 2 — 9"x15" (1 EA.)

EXISTING SIGNS TO REMAIN

21: Liberty Road WEST MARYLAND 26 EAST — M1-5(4) 78"x36"

22: Liberty Road EAST MARYLAND 26 WEST — M1-5(4) 78"x36"

19a,19b,20a,20b: Patterson AVE — D-3(1) VAR.x16" (DUAL FACE)

EXISTING LED SIGNALS TO REMAIN

1: 12"/8" · 2: 12" · 3,4,5,6,7,8,9: 12" · 10: 12"

a,b,c,d: EXISTING VIDEO DETECTION

PROPOSED LED SIGNALS

11,12,13,14: 16"

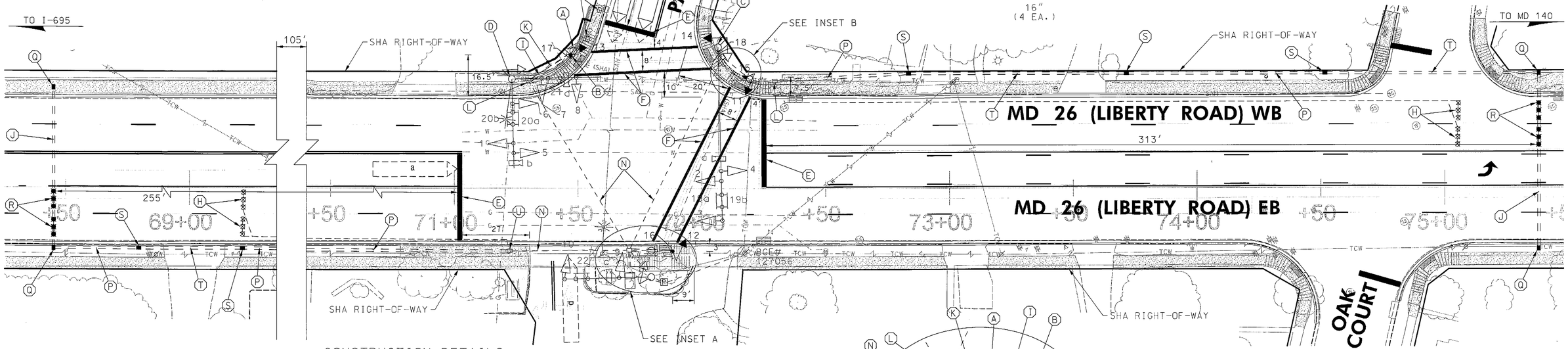
EXISTING LED SIGNALS TO BE REMOVED

16" (4 EA.)

NEMA PHASING

Ø1 Ø2 Ø4 FLASHING OPERATION Ø6 Ø8 Ø8 ALT.

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



CONSTRUCTION DETAILS

A. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATED EQUIPMENT. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH FINAL SIDEWALK GRADE.

B. 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. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE.

C. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN FROM MAST ARM POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK) ON EXISTING MAST ARM POLE. REUSE EXISTING WIRING. PLUG UNUSED HOLES.

D. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN FROM MAST ARM POLE. REMOVE UNUSED WIRING. PLUG UNUSED HOLES.

E. INSTALL 24 INCH WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

F. INSTALL 12 INCH WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

G. PROPOSED VIDEO DETECTION ZONE. CONTRACTOR SHALL COORDINATE WITH SHA TO RE-AIM EXISTING VIDEO DETECTION CAMERAS AS NECESSARY.

H. ABANDON EXISTING MICRO-LOOP PROBE DETECTORS.

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

J. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED FOR CARRIER PIPE. CONTRACTOR SHALL INSTALL CONDUIT PRIOR TO FINAL ROADWAY SURFACE INSTALLATION.

K. CAP AND ABANDON EXISTING CONDUIT.

L. USE EXISTING HANDHOLE.

M. REMOVE EXISTING HANDHOLE. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH FINAL SIDEWALK GRADE.

N. USE EXISTING CONDUIT.

O. USE EXISTING CABINET. INSTALL 2-WIRE APS CENTRAL CONTROL UNIT.

P. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

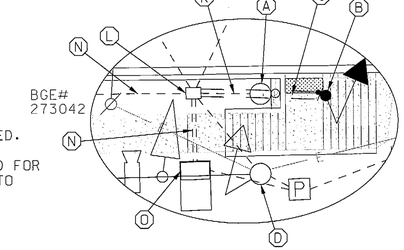
Q. INSTALL ELECTRICAL HANDHOLE. INSTALL HANDHOLE WITH LONG DIMENSION AS PERPENDICULAR TO ROADWAY.

R. INSTALL NON-INVASIVE MICROLOOP PROBE DETECTOR WITH LEAD-IN CABLE. INSTALL DETECTORS CENTERED IN LANE.

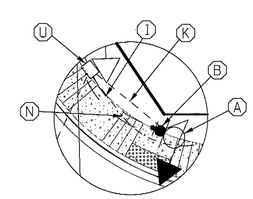
S. INSTALL ELECTRICAL HANDHOLE.

T. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

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

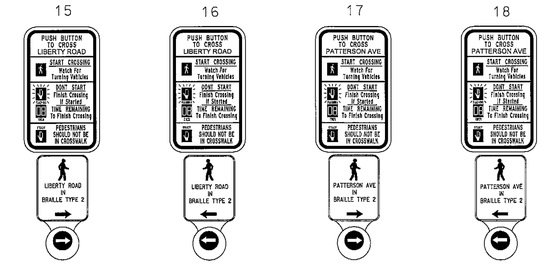


INSET A
NOT TO SCALE



INSET B
NOT TO SCALE

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS



15	16	17	18
LIBERTY RD R10-3(1) 9"x15"	LIBERTY RD R10-3(1) 9"x15"	PATTERSON AVE R10-3(1) 9"x15"	PATTERSON AVE R10-3(1) 9"x 15"

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

BY: WFW

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

REVISIONS
- G INSTALL APS & CPS SHA NO. BA5965177 TIMS NO. K-984 — 08-2012 — BJG HO HP DESIGNED CSW
- F RECON. TO MAST ARM: 06-27-2005 VIDEO CAMERAS. AUDIO PEDS SHA NO. BA4845176 — DA EMM TH BK
- E AS-BUILT. ADD ADVANCE PED PHASE ACROSS MD 26 — 07-2003 — DBD DJD DAZ BK

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

MD 26 (LIBERTY RD) AT PATTERSON AVE
LOCHEARN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 04-01-1965 CONTRACT NO.

DESIGNED BY · DRAWN BY E.L.FEIST · CHECKED BY · FAP NO.
COUNTY BALTIMORE · LOGMILE 03002609.77 · TIMS NO. G503 · TOD NO.

TS NO. 4438G DRAWING SP-9 OF 10 SHEET NO. 47 OF 62

PLOTTED: Thursday, August 09, 2012 AT 10:34 AM
FILE: \\rkm\v2008\2008\08148_toddea\Task 60_MD 26 APS\CADD\pSG-0003_MD26@Patterson.dgn