EXISTING SIGNS TO REMAIN

20,21,22,23 — Pikeswood DR — D-3(1)

24 — WEST MARYLAND 26 EAST — M95-1

25 — EAST MARYLAND 26 WEST — M95-1

MD 26 (LIBERTY ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

16a,18a — PUSH BUTTON TO CROSS LIBERTY — START CROSSING WATCH FOR TURNING CARS — DON'T START — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — R10-3(1) 9" x 15"

17a,19a — PUSH BUTTON TO CROSS LIBERTY — START CROSSING WATCH FOR TURNING CARS — DON'T START — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — R10-3(1) 9" x 15"

12a,14a — PUSH BUTTON TO CROSS PIKESWOOD — START CROSSING WATCH FOR TURNING CARS — DON'T START — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — R10-3(1) 9" x 15"

13a,15a — PUSH BUTTON TO CROSS PIKESWOOD — START CROSSING WATCH FOR TURNING CARS — DON'T START — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — R10-3(1) 9" x 15"

26 — ONLY — R3-5(R) (30"x36")

EXISTING SIGNS TO BE REMOVED

PUSH BUTTON TO CROSS PIKESWOOD — R10-4(1) (9"x12")

PUSH BUTTON TO CROSS LIBERTY — R10-4(1) (9"x12")

LEFT TURN YIELD ON GREEN — R10-12 (36"x42")

YIELD — R1-2 (36"x36")

EXISTING SIGNALS TO REMAIN WITH PROPOSED LED MODULES

3,6,8-11 — R Y G — 12"

2,5 — R Y G — 12"

1,4 — Y G — 12"/8"

7 — R Y G — 8"

EXISTING VIDEO DETECTION TO REMAIN

a,b,c,d

EXISTING SIGNALS TO BE REMOVED

12"

PROPOSED LED SIGNALS

12-19 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING VIDEO DETECTION ZONE TO BE ADJUSTED

a,b,c,d

NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

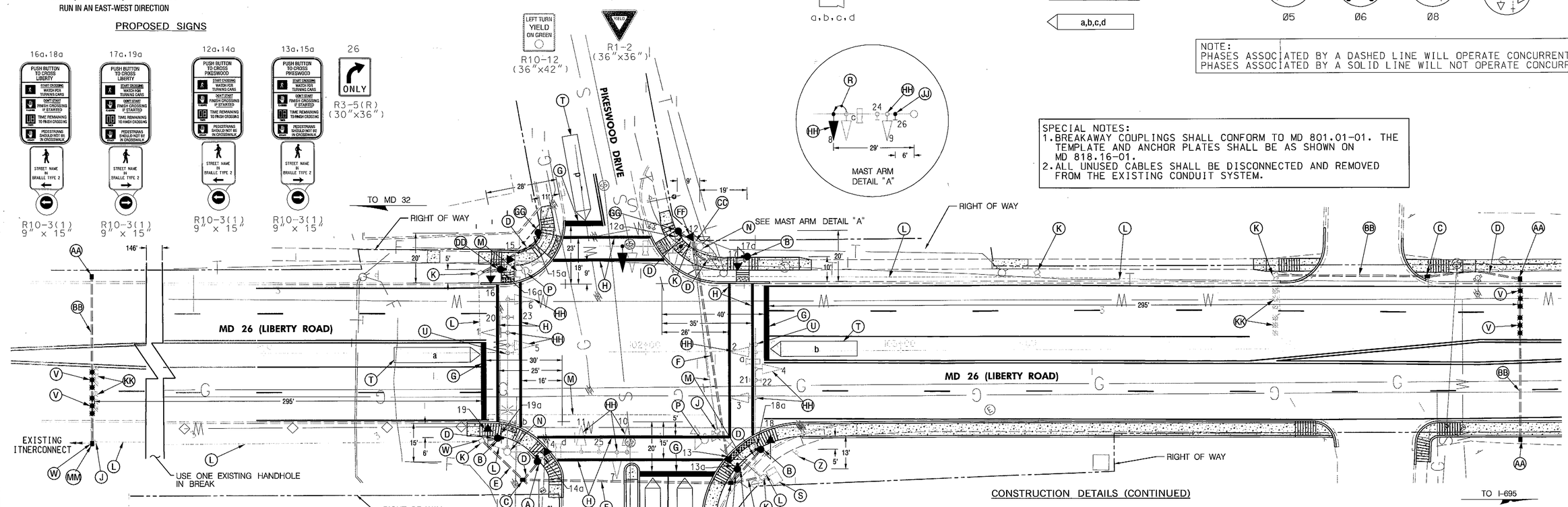
Ø4 + Ø8 ALT.

FLASHING OPERATION

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

SPECIAL NOTES:
1. BREAKAWAY COUPLINGS SHALL CONFORM TO MD 801.01-01. THE TEMPLATE AND ANCHOR PLATES SHALL BE AS SHOWN ON MD 818.16-01.
2. ALL UNUSED CABLES SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING CONDUIT SYSTEM.

MAST ARM DETAIL "A"



CONSTRUCTION DETAILS

A. INSTALL MODIFIED CONCRETE FOUNDATION WITH BREAKAWAY COUPLINGS WITH A 10 FT. PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS PIKESWOOD"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 101+57, 43' RT., STA. 102+36, 46' RT.
B. INSTALL MODIFIED CONCRETE FOUNDATION WITH BREAKWAY COUPLINGS WITH A 10 FT. PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS LIBERTY"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA 101+42, 34' RT., STA. 102+50, 39' RT., STA. 102+40, 37' LT.
C. INSTALL HANDHOLE.
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
G. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOPLINE.
H. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
J. REMOVE EXISTING HANDHOLE 12 IN. BELOW GRADE AND BACKFILL.
K. USE EXISTING HANDHOLE.
L. USE EXISTING CONDUIT.
M. CAP AND ABANDON EXISTING CONDUIT.
N. REMOVE EXISTING PEDESTRIAN HEAD, PUSH BUTTON, SIGN, AND ASSOCIATED EQUIPMENT.
P. REMOVE EXISTING PEDESTRIAN HEAD, PUSH BUTTON, SIGN, PEDESTAL POLE, AND ASSOCIATED EQUIPMENT.
R. RELOCATE EXISTING SIGNAL HEAD.
S. USE EXISTING CABINET, INSTALL APS BASE UNIT (INTERNAL WIRING BY SHA FORCES).
T. ADJUST VIDEO DETECTION ZONE.
U. REMOVE EXISTING MAST ARM MOUNTED SIGN.
V. INSTALL NON-INVASIVE PROBES WITH 1000 FT. LEAD-IN ~~CABLE (TO BE PLACED IN THRU LANE ONLY).~~
W. PULL BACK EXISTING INTERCONNECT CABLE TO THIS HANDHOLE AND REROUTE CABLE THROUGH NEW CONDUIT SYSTEM.
Z. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS.
AA. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES.
BB. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

CONSTRUCTION DETAILS (CONTINUED)

CC. PULL BACK EXISTING TELEPHONE SERVICE CABLE TO THIS HANDHOLE AND REROUTE CABLE THROUGH NEW CONDUIT SYSTEM.
DD. INSTALL MODIFIED CONCRETE FOUNDATION WITH BREAKAWAY COUPLINGS WITH A 10 FT. PEDESTAL POLE WITH TWO (2) COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTIONS, ONE (1) R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS LIBERTY"), AND ONE (1) AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 101+43, 33' LT.
EE. INSTALL TWO-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
FF. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION ON EXISTING SIGNAL POLE.
GG. INSTALL MODIFIED CONCRETE FOUNDATION WITH BREAKAWAY COUPLINGS WITH A 10FT. PEDESTAL (POLE CUT DOWN TO 5 FT.) WITH R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS PIKESWOOD"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 101+58, 47' LT., STA. 102+13, 48' LT.
HH. INSTALL LED MODULE PER TRAFFIC SIGNAL SECTION HEAD.
JJ. INSTALL PROPOSED SIGN ON EXISTING MAST ARM.
KK. CUT AND ABANDON EXISTING DETECTION.
MM. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES IN PLACE OF REMOVED HANDHOLE AND RECONNECT EXISTING CONDUITS.

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

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

SABRA, WANG & ASSOCIATES, INC.
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BALTIMORE, MD 21227
(410) 737-6564

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

REVISIONS
6/14
8 APS AND CPS UPGRADE CONTRACT NO. BA4325177 — TIMS#: H424
SWA MJENIDI — 10/14/10
A REBUILD TRAFFIC SIGNAL CONTRACT NO. BA445A5445A54 — 07/01/03
SRB NML

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

MD 26 (LIBERTY ROAD) AND PIKESWOOD DRIVE
RANDALLSTOWN, MARYLAND

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 7/26/73 CONTRACT NO. AT3575185

DESIGNED BY
DRAWN BY W.R. SMITH
CHECKED BY BFVD
F.A.P. NO. SEE TITLE SHEET
COUNTY BALTIMORE
LOGMILE 03002604.37
TIMS NO. H424
TOD NO.

TS NO. 1858B | DRAWING pSG OF P001 | SHEET NO. 32 OF 34

PLOTTED: Tuesday, December 14, 2010 AT 05:09 PM
FILE: R:\2007\44 BCS 2007-04B_ Hwy Eng_D4_McCormick_$150K\TASK 9\DWG\signal\pSG-P001_MD26_at_Pikeswood.dgn

BY: Mjenidi