MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

26 — R7-4(9) 18"X24" (HAND STOPPING ANY TIME)

21a,27a — D-3(1) VAR.x16" (DUAL FACE) "West RD"

21b,27b — D-3(1) VAR.x16" (DUAL FACE) "West RD"

24 — R3-6(1) 54"X30" (ONLY NO TURN ON RED THIS LANE)

25 — R3-5(2) 54"X30" (TURN ON RED OK THIS LANE ONLY)

28 — R3-5R 30"X36" (ONLY)

PROPOSED SIGNS

38,40, 42,44 — W11-2 FY 36"X36" M6-2(1) FY 30"X24"

37,39, 41,43 — W11-2 FY 36"X36" M6-2(1) FY 30"X24"

EXISTING SIGNS TO BE REMOVED

32,33 — 9"X12" (PUSH BUTTON TO CROSS MDA45 (YORK RD); START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; PEDESTRIANS SHOULD NOT BE IN CROSSWALK)

34,35 — R10-12 30"X36" (LEFT TURN YIELD ON GREEN)

36 — R4-7 24"X30"

29 — R3-6L 30"X36"

22 — M1-5(6) 24"X51" (NORTH MARYLAND 45)

23 — M1-5(6) 36"X75" (NORTH MARYLAND 45)

30 — M1-5(6) 24"X51" (SOUTH MARYLAND 45)

31 — M1-5(6) 36"X75" (SOUTH MARYLAND 45)

45 — R4-7 @15° 24"X30"

46 — OM1-3 18"X18"

EXISTING LED SIGNALS TO REMAIN

1,4 — 12"/8"

2,5 — 12"

7,10 — 8"/12"

3,6,12 — 12"

8,11 — 12"

9 — 12"

13,15 — 16"

PROPOSED LED SIGNALS

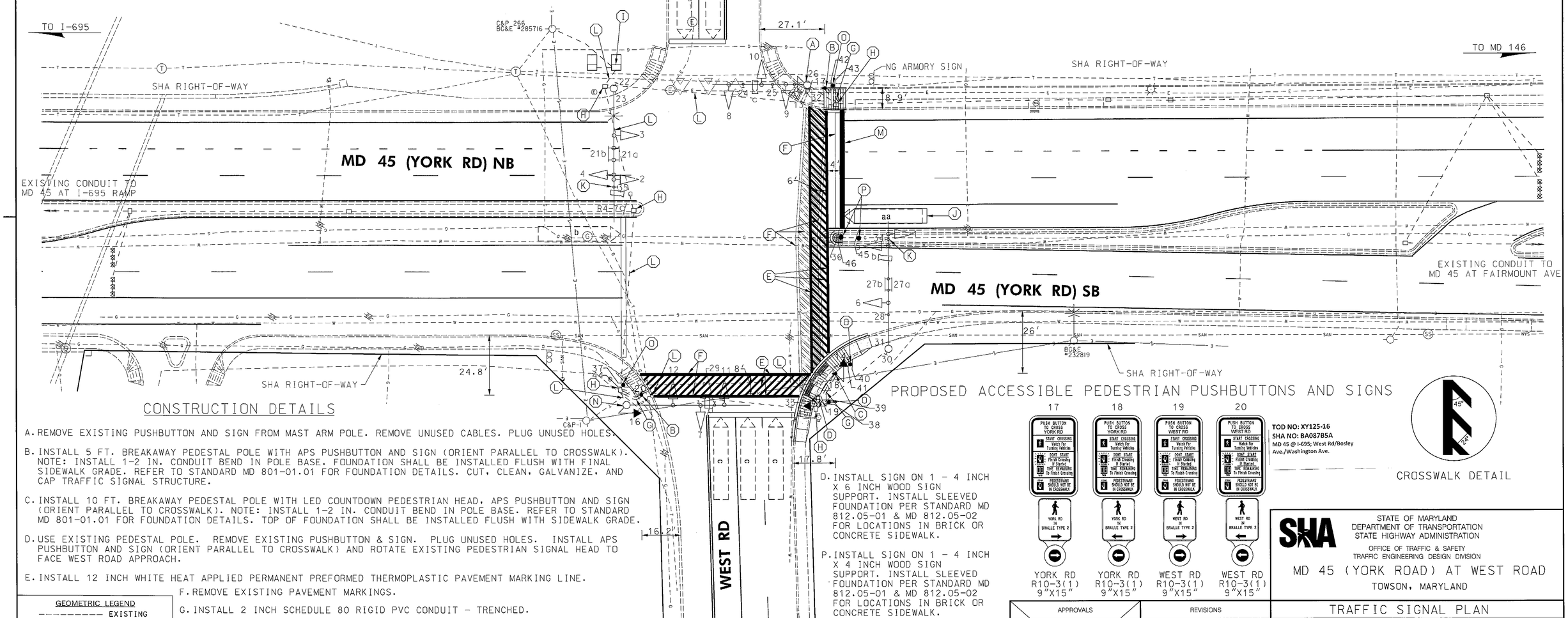
14,16 — 16"

a,b,c,d — EXISTING VIDEO DETECTION

NEMA PHASING

Ø1, Ø2, Ø3, Ø4, FLASHING OPERATION, Ø5, Ø6, Ø3 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 PUSHBUTTON AND SIGN FROM MAST ARM POLE. REMOVE UNUSED CABLES. PLUG UNUSED HOLES.

B. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENT 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. CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE.

C. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN 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 SIDEWALK GRADE.

D. USE EXISTING PEDESTAL POLE. REMOVE EXISTING PUSHBUTTON & SIGN. PLUG UNUSED HOLES. INSTALL APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK) AND ROTATE EXISTING PEDESTRIAN SIGNAL HEAD TO FACE WEST ROAD APPROACH.

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

F. REMOVE EXISTING PAVEMENT MARKINGS.

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

H. USE EXISTING HANDHOLE.

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

J. ADJUST VIDEO DETECTION ZONE. COORDINATE WITH SHA SIGNAL SHOP TO RE-AIM EXISTING VIDEO DETECTION CAMERAS AS NECESSARY.

K. REMOVE EXISTING MAST ARM MOUNTED SIGN.

L. USE EXISTING CONDUIT.

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

N. USE EXISTING MAST ARM POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD ON EXISTING MAST ARM POLE.

O. INSTALL SIGN ON 1 - 4 INCH X 6 INCH WOOD SIGN SUPPORT. INSTALL SLEEVED FOUNDATION PER STANDARD MD 812.05-01 & MD 812.05-02 FOR LOCATIONS IN BRICK OR CONCRETE SIDEWALK.

P. INSTALL SIGN ON 1 - 4 INCH X 4 INCH WOOD SIGN SUPPORT. INSTALL SLEEVED FOUNDATION PER STANDARD MD 812.05-01 & MD 812.05-02 FOR LOCATIONS IN BRICK OR CONCRETE SIDEWALK.

PROPOSED ACCESSIBLE PEDESTRIAN PUSHBUTTONS AND SIGNS

17 — YORK RD R10-3(1) 9"X15"

18 — YORK RD R10-3(1) 9"X15"

19 — WEST RD R10-3(1) 9"X15"

20 — WEST RD R10-3(1) 9"X15"

PUSH BUTTON TO CROSS YORK RD / WEST RD — START CROSSING Watch for Turning Vehicles; DON'T START Finish Crossing If Started; TIME REMAINING To Finish Crossing; PEDESTRIANS SHOULD NOT BE IN CROSSWALK

BRAILLE TYPE 2

TOD NO: XY125-16
SHA NO: BA087B5A
MD 45 @ I-695; West Rd/Bosley Ave./Washington Ave.

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

BY: BJG

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Engineers Construction Managers Planners Scientists
www.rkk.com

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

REVISIONS
- F — INSTALL APS/CPS SHA NO. XY1255185, TIMS NO. L687 — 10-2012 — BJG
- E — SWAP PHASE 3 AND 4, ADD RIGHT TURN OVERLAP 345. — 8-24-2005 — JGH
- D — INSTALL PEDESTRIAN INDICATORS ACROSS MD 45, SHA # BA3815172 — 04-2005 — SWA

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

MD 45 (YORK ROAD) AT WEST ROAD
TOWSON, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE OCTOBER 1994 CONTRACT NO.

DESIGNED BY
DRAWN BY BARRY KING
CHECKED BY A. BUDNICHUK
FAP NO.
COUNTY BALTIMORE
LOGMILE 03004503.07
TIMS NO. C-100
TOD NO.

TS NO. 3384F | DRAWING SP-05 OF 08 | SHEET NO. 5 OF 12

PLOTTED: Thursday, October 25, 2012 AT 11:30 AM
FILE: \\rkkm\v2008\2008\08148_lcddes\Task 141_MD 45 Lutherville\CADD\bSG-0005_MD45@West.dgn