MD 41 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

35,36 — R4-7 @ 15° 24"X30"

31 — M1-5(6) 24"X51"

34 — M1-5(6) 24"X51"

32 — M1-5(6) 36"x72"

33 — M1-5(6) 36"X72"

45 — R1-2 36"X36"X36"

27a,27b,28a,28b — D-3(1) 60"X16" (DUAL FACE)

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

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

29a,29b,30a,30b — D-3(1) 66"X16" (DUAL FACE)

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

21,25 — PERRING PKWY R10-3(1) 9"X15"

22,26 — PERRING PKWY R10-3(1) 9"X15"

23 — TAYLOR AVE R10-3(1) 9"X15"

24 — TAYLOR AVE R10-3(1) 9"X15"

EXISTING SIGNALS TO BE REMOVED

12" (4 EA.) 12" (6 EA.) 12" (2 EA.) 12"/8" (2 EA.)

EXISTING VIDEO DETECTION TO BE REMOVED (4 EA.)

12" (6 EA.)

PROPOSED LED SIGNALS

1,2,5,6 — 12"

3,4,7, 8,11,14 — 12"

9,12 — 12"/8"

10,13 — 12"

15,16,17, 18,19,20 — 16"

a,b,c,d,e,f,g,h

PROPOSED IP-BASED VIDEO DETECTION

NEMA PHASING

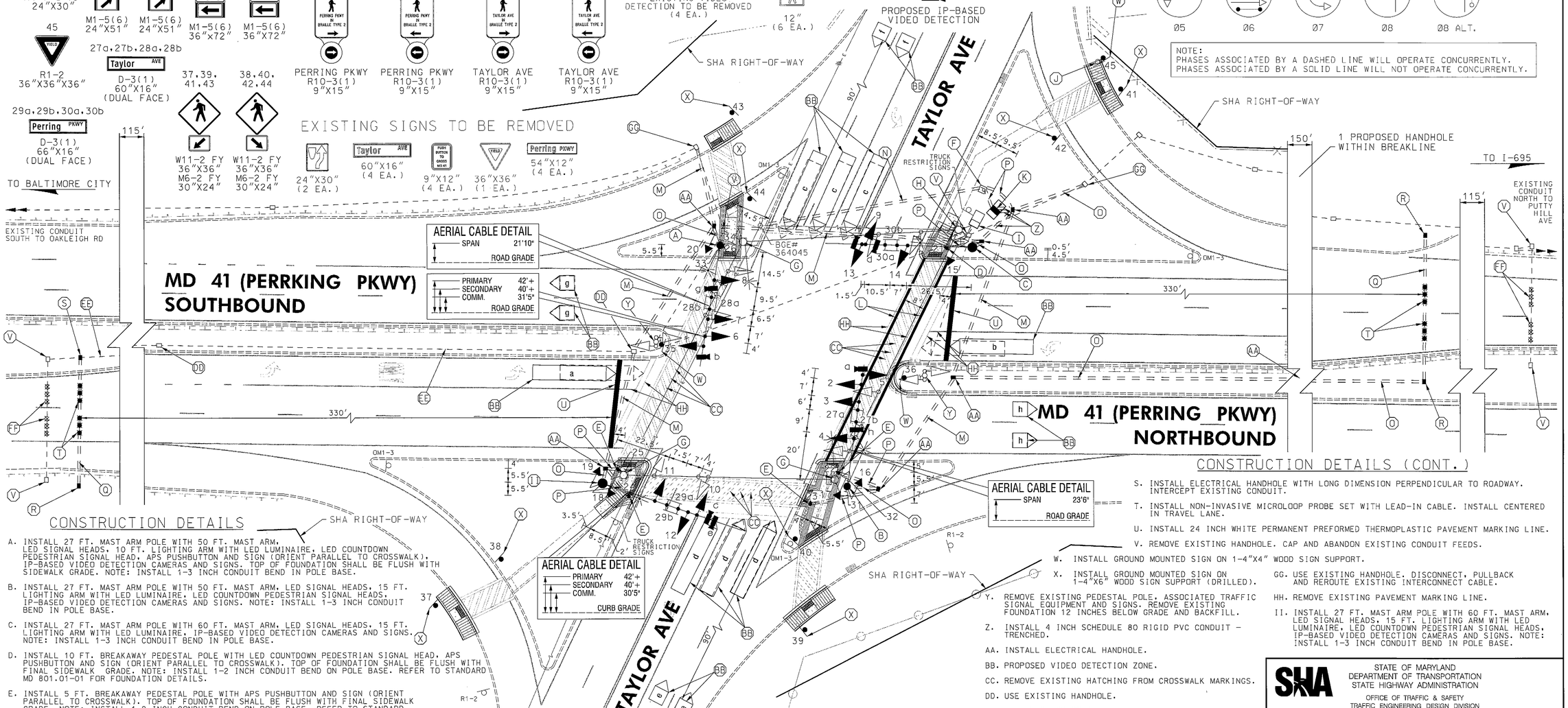
Ø1 Ø2 Ø3 Ø4 Ø4 ALT. FLASHING OPERATION

Ø5 Ø6 Ø7 Ø8 Ø8 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

24"X30" (2 EA.) — 60"X16" (4 EA.) — 9"X12" (4 EA.) — 36"X36" (1 EA.) — 54"X12" (4 EA.)



CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, LED SIGNAL HEADS, 10 FT. LIGHTING ARM WITH LED LUMINAIRE, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK), IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. TOP OF FOUNDATION SHALL BE FLUSH WITH SIDEWALK GRADE. NOTE: INSTALL 1-3 INCH CONDUIT BEND IN POLE BASE.

B. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, LED SIGNAL HEADS, 15 FT. LIGHTING ARM WITH LED LUMINAIRE, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. NOTE: INSTALL 1-3 INCH CONDUIT BEND IN POLE BASE.

C. INSTALL 27 FT. MAST ARM POLE WITH 60 FT. MAST ARM, LED SIGNAL HEADS, 15 FT. LIGHTING ARM WITH LED LUMINAIRE, IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. NOTE: INSTALL 1-3 INCH CONDUIT BEND IN POLE BASE.

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

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

F. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL. NOTE: INSTALL 1-4 INCH AND 3-2 INCH CONDUIT BENDS IN BASE.

G. REMOVE EXISTING STRAIN POLE, ASSOCIATED TRAFFIC SIGNAL EQUIPMENT AND SIGNS. REMOVE EXISTING FOUNDATION 12 INCHES BELOW GRADE AND BACKFILL.

H. REMOVE EXISTING STRAIN POLE, ASSOCIATED TRAFFIC SIGNAL EQUIPMENT AND SIGNS. BG&E TO DISCONNECT EXISTING ELECTRICAL SERVICE EQUIPMENT. REMOVE EXISTING FOUNDATION 12 INCHES BELOW GRADE AND BACKFILL.

I. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE EXISTING FOUNDATION 12 INCHES BELOW GRADE AND BACKFILL.

J. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.

K. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH 2-WIRE APS CENTRAL CONTROL UNIT AND IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT. NOTE: INSTALL 2-4 INCH AND 2-2 INCH CONDUIT BENDS IN BASE. CAP UNUSED CONDUIT BEND.

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

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

N. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED. STUB AT UTILITY POLE NO. 364045.

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

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

Q. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED FOR CARRIER PIPE.

R. INSTALL ELECTRICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.

CONSTRUCTION DETAILS (CONT.)

S. INSTALL ELECTRICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY. INTERCEPT EXISTING CONDUIT.

T. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH LEAD-IN CABLE. INSTALL CENTERED IN TRAVEL LANE.

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

V. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUIT FEEDS.

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

X. INSTALL GROUND MOUNTED SIGN ON 1-4"X6" WOOD SIGN SUPPORT (DRILLED).

Y. REMOVE EXISTING PEDESTAL POLE, ASSOCIATED TRAFFIC SIGNAL EQUIPMENT AND SIGNS. REMOVE EXISTING FOUNDATION 12 INCHES BELOW GRADE AND BACKFILL.

Z. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

AA. INSTALL ELECTRICAL HANDHOLE.

BB. PROPOSED VIDEO DETECTION ZONE.

CC. REMOVE EXISTING HATCHING FROM CROSSWALK MARKINGS.

DD. USE EXISTING HANDHOLE.

EE. USE EXISTING CONDUIT.

FF. ABANDON EXISTING MICROLOOP PROBE.

GG. USE EXISTING HANDHOLE. DISCONNECT, PULLBACK AND REROUTE EXISTING INTERCONNECT CABLE.

HH. REMOVE EXISTING PAVEMENT MARKING LINE.

II. INSTALL 27 FT. MAST ARM POLE WITH 60 FT. MAST ARM, LED SIGNAL HEADS, 15 FT. LIGHTING ARM WITH LED LUMINAIRE, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. NOTE: INSTALL 1-3 INCH CONDUIT BEND IN POLE BASE.

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: WFW

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

REVISIONS
D — SIGNAL RECONSTRUCTION. INSTALL APS/CPS SHA NO. , TIMS NO. L825 — 01-2013
C — INSTALL LED SIGNAL HEADS AND VIDEO DETECTION SHA NO. BA3055177, TIMS NO. 1962 — 02-22-2008
B — REVISED ELECTRICAL SERVICE SHA NO. 855-25032014 — 05-1990

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

MD 41 (PERRING PARKWAY) AT TAYLOR AVENUE
PARKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 11-30-1972 CONTRACT NO. B-238-476

DESIGNED BY G.COOK COUNTY BALTIMORE
DRAWN BY G.COOK LOGMILE 03004101.04
CHECKED BY TIMS NO.
FAP NO. TOD NO.

TS NO. 851D DRAWING SP-1 OF 4 SHEET NO. 1 OF 6

PLOTTED: Friday, January 11, 2013 AT 02:19 PM
FILE: \\rkm\v2008\2008\08148_tod\dsi\Task 139_MD 41 APS\CADD\pSG-0001_MD41@Taylor.dgn