EXISTING SIGNS TO BE REMOVED

EXISTING SIGNS TO REMAIN

23,26,29 ONLY — 28 ONLY — 22 Old Baltimore RD (17700) — 24 Old Baltimore RD (17500) — 25 Old Baltimore RD (17500) — 27 Old Baltimore RD (17700)

EXISTING SIGNS TO BE RELOCATED

35 YIELD TO PEDS (12"x18") — 36,37 BIKE ROUTE (30"x24")

EXISTING LED SIGNALS TO REMAIN

1,2,5,6 — 12" — 3,4,7-13 — 12" — 15-17,21 16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNALS TO BE RELOCATED

14,18-20 16" LED COUNTDOWN PEDESTRIAN SIGNAL

NEMA PHASING

Ø1 Ø2 Ø4 Ø4 ALT. FLASHING OPERATION Ø5 Ø6 Ø8 Ø8 ALT.

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

MD 108 (OLNEY SANDY SPRING ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

30 WEST MARYLAND 108 M1-5(6) (48"x72") — 31 EAST MARYLAND 108 M1-5(6) (30"x48") — 32 EAST MARYLAND 108 M1-5(6) (48"x72") — 33 WEST MARYLAND 108 M1-5(6) (30"x48")

34,38 R4-7 24" X 30" @ 15°

39,40 W11-15 (30"x30") W16-7pL (24"X12") TO MD 97

PROPOSED SIGNS

14a,16a — 15a,17a — 18a,20a — 19a,21a

R10-3(1) 9" x 15"

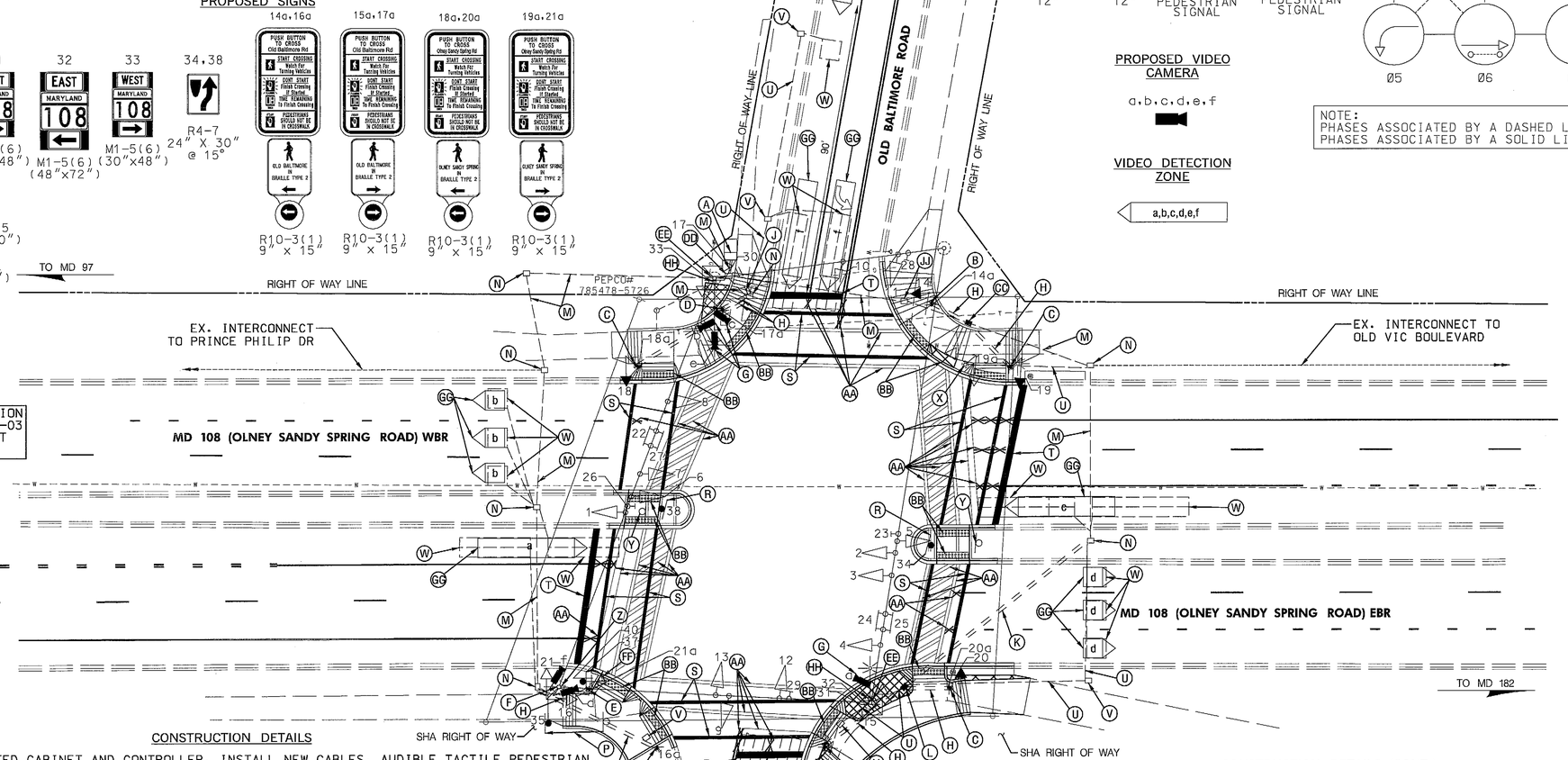
PROPOSED VIDEO CAMERA

a,b,c,d,e,f

VIDEO DETECTION ZONE

a,b,c,d,e,f

NOTE: REFER TO DIMENSION DETAILS PLAN SHEET SG-03 FOR PROPOSED EQUIPMENT DIMENSIONS.



SCALE: 1" = 20'

CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL NEW CABLES, AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT AND VIDEO DETECTION INTERFACE. INSTALL ONE (1) NEW 4 IN. PVC SCHEDULE 80 CONDUIT BEND IN BASE.
B. INSTALL MODIFIED (18" X 3' DEPTH, PER STD. MD 801.01) CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY COUPLING BASE (AS PER STDS. MD 801.01-01 AND 818.16-01), RELOCATED 16 IN. LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS OLD BALTIMORE RD"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). CONTRACTOR TO HAND DIG FOUNDATION.
C. INSTALL MODIFIED (18" X 3' DEPTH, PER STD. MD 801.01) CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY COUPLING BASE (AS PER STDS. MD 801.01-01 AND 818.16-01), RELOCATED 16 IN. LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS OLNEY SANDY SPRING RD"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). CONTRACTOR TO HAND DIG FOUNDATION.
D. INSTALL MODIFIED (18" X 3' DEPTH, PER STD. MD 801.01) CONCRETE FOUNDATION WITH A 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY COUPLING BASE (AS PER STDS. MD 801.01-01 AND 818.16-01), R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS OLD BALTIMORE RD"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND)
E. INSTALL MODIFIED (18" X 3' DEPTH, PER STD. MD 801.01) CONCRETE FOUNDATION WITH A 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY COUPLING BASE (AS PER STDS. MD 801.01-01 AND 818.16-01), R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS OLNEY SANDY SPRING RD"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND)
F. INSTALL VIDEO DETECTION CAMERAS ON EXISTING STRAIN POLE.
G. INSTALL VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM.
H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
L. PROTECT CONDUIT END HEADING TO STRAIN POLE. REMOVE EXISTING HANDHOLE AND CONSTRUCT NEW HANDHOLE AT THE SAME LOCATION.
M. USE EXISTING CONDUIT.
N. USE EXISTING HANDHOLE. INSTALL GROUND ROD.
P. RELOCATE EXISTING BICYCLE SIGN ONTO A NEW SINGLE WOOD (4" X 4") SUPPORT. REMOVE EXISTING STOP SIGN AND POST.
R. INSTALL GROUND MOUNTED SIGN(S) ON A SINGLE WOOD (4" X 4") SUPPORT.

CONSTRUCTION DETAILS (CONT.)

S. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
T. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
U. CAP AND ABANDON EXISTING CONDUIT.
V. REMOVE EXISTING HANDHOLE AND BACKFILL.
W. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES, AND CONTROLLER.
X. REMOVE EXISTING POLE, ANY ASSOCIATED EQUIPMENT AND FOUNDATION 24 IN. BELOW GRADE AND BACKFILL. THE PEDESTRIAN SIGNALS SHALL BE RELOCATED TO THE PROPOSED LOCATIONS IN THE SAME LOCATION AS SHOWN ON THE PLANS.
Y. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
Z. REMOVE EXISTING PEDESTRIAN INFORMATION SIGN, PUSHBUTTON, AND ASSOCIATED WIRING FROM EXISTING STRAIN POLE.
AA. REMOVE EXISTING PAVEMENT MARKINGS.
BB. REMOVE EXISTING SIDEWALK AND INSTALL NEW PEDESTRIAN RAMP. REFER TO ADA RAMP DETAILS SHEET.
CC. INTERCEPT EXISTING CONDUIT AND INSTALL PROPOSED HANDHOLE.
DD. ADJUST HANDHOLE TO GRADE. REPLACE FRAME AND COVER.
EE. INSTALL M1-5(6) SIGNS ON EXISTING SIGNAL POLE.
FF. REMOVE EXISTING W11-1(1) SIGN. RELOCATE EXISTING D11-1 SIGN AND INSTALL PROPOSED SIGNS ONTO A NEW SINGLE WOOD (4" X 4") SUPPORT.
GG. VIDEO DETECTION ZONE.
HH. REMOVE EXISTING PEDESTRIAN INFORMATION SIGN, PUSH BUTTON, AND ASSOCIATED WIRING FROM EXISTING STRAIN POLE. THE PEDESTRIAN SIGNAL FOR THE MD 108 CROSSING SHALL BE RELOCATED TO THE PROPOSED PEDESTAL POLE, AS SHOWN ON PLANS.
JJ. REMOVE EXISTING HANDHOLE. LOCATE EXISTING CONDUIT AND EXTEND TO PROPOSED HANDHOLE AS SHOWN.

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

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

REVISIONS

B INSTALL ADA COMPLIANT RAMPS AND UPGRADE TO APS — SHA No. X02385185, TIMS No. M055 — 08-2003 — SWA MAR DAZ BRK

C MODIFY LEFT TURN PHASING FOR EBWB MD 108 FROM S/P TO EXCLUSIVE PHASING — SHA No. AT2885185, TIMS # F274 — 09-2002 — SWA MAR DAZ DAZ BRK TH

B INSTALL 10' PEDESTAL PED SIGNALS PUSH BUTTON IN N.E. CORNER — 08-14-1996 — DJD

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

MD 108 (OLNEY SANDY SPRING ROAD) AT OLD BALTIMORE ROAD
OLNEY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE SEPT. 7, 1990 CONTRACT NO. M-606-501-371

DESIGNED BY R.R. ZACHERL — COUNTY MONTGOMERY
DRAWN BY D.A. NIES — LOGMILE 15010814.37
CHECKED BY R.R. ZACHERL — TIMS NO.
F.A.P. NO. SEE TITLE SHEET — TOD NO.

TS NO. 3118 B — DRAWING SG-01 OF 04 — SHEET NO. OF

PLOTTED: Friday, August 30, 2013 AT 03:32 PM
FILE: R:\2008\73 SHA SCS 2008-05A_TEDD DESIGN_STV_IV_$SM\Task 240 Montgomery County APS-CPS\dgn\MD 108 at Old Baltimore\pSG-P001_MD 108 & Old Baltimore.dgn

BY: rwang