MD 170 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

17 W. Maple RD — D-3(1) (VAR.x16")
18 E. Maple RD — D-3(1) (VAR.x16")
19,34 NO TURN ON RED — R10-11b (24" x 24")
33 ONLY — R3-5(L) (30"x36")
23,26 ONLY — R3-5(R) (30"x36")
44 EAST 169 / WEST 169 (MARYLAND)
38 WEST 169 / EAST 169 (MARYLAND)
24 W. Maple RD — D-3(1) (VAR.x16") DUAL FACE
22 E. Maple RD — D-3(1) (VAR.x16") DUAL FACE
54 OVER 9/4 T ON MD 169
43 RIGHT LANE MUST TURN RIGHT
52 SPEED LIMIT 30
49 NORTH 170 / SOUTH 170 (MARYLAND)
55 SOUTH 170 / NORTH 170 (MARYLAND)
53 EAST 169 (MARYLAND)
59 WEST 169 (MARYLAND) SNOW EMERGENCY ROUTE
37 STOP HERE ON RED
42,48 AHEAD
25 SCHOOL
40,47 51,57
39,46 50,56
58 "LINTHICUM HEIGHTS" HISTORICAL MARKER
41 NORTH 170 (MARYLAND)
45 NO PARKING ANY TIME
60 R X R

TO BE REMOVED

EXISTING SIGNALS

1-4,8-10 R Y G 12"
7 R Y G 12"
11,14,15,16 16" LED COUNTDOWN PEDESTRIAN SIGNAL #15 TO BE RELOCATED
5,6 Y 12"

OPTICOM DETECTOR EYE

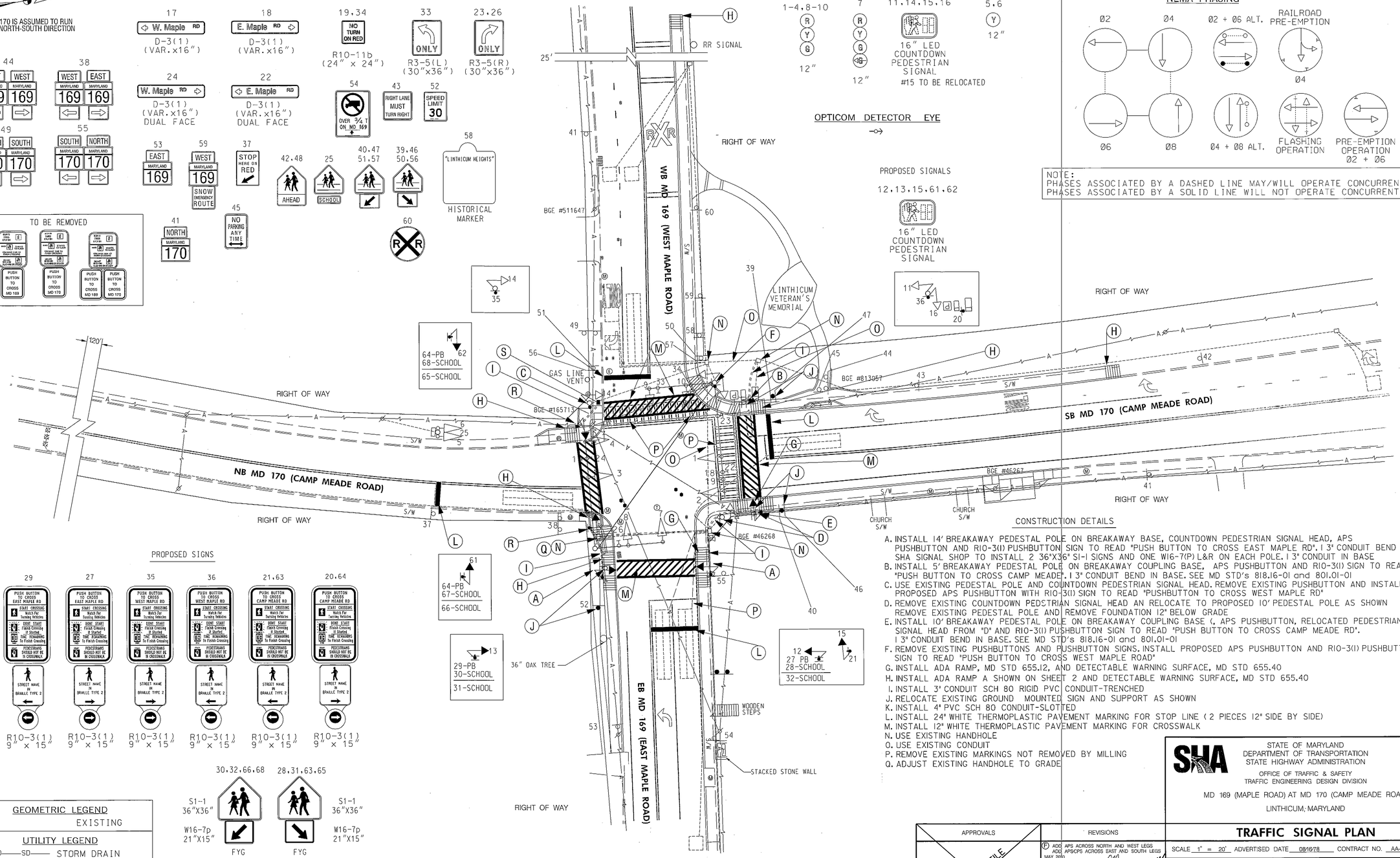
PROPOSED SIGNALS

12,13,15,61,62 16" LED COUNTDOWN PEDESTRIAN SIGNAL

NEMA PHASING

Ø2 Ø4 Ø6 Ø8
Ø2 + Ø6 ALT. — Ø4 + Ø8 ALT.
RAILROAD PRE-EMPTION — Ø4
FLASHING OPERATION
PRE-EMPTION OPERATION Ø2 + Ø6

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



PROPOSED SIGNS

29 PUSH BUTTON TO CROSS EAST MAPLE RD — R10-3(1) 9" x 15"
27 PUSH BUTTON TO CROSS EAST MAPLE RD — R10-3(1) 9" x 15"
35 PUSH BUTTON TO CROSS WEST MAPLE RD — R10-3(1) 9" x 15"
36 PUSH BUTTON TO CROSS WEST MAPLE RD — R10-3(1) 9" x 15"
21,63 PUSH BUTTON TO CROSS CAMP MEADE RD — R10-3(1) 9" x 15"
20,64 PUSH BUTTON TO CROSS CAMP MEADE RD — R10-3(1) 9" x 15"

START CROSSING Watch For Turning Vehicles; DONE START Finish Crossing If Started; TIME REMAINING To Finish Crossing; PEDESTRIANS SHOULD NOT BE IN CROSSWALK; STREET NAME IN BRAILLE TYPE 2

30,32,66,68 S1-1 36"X36" W16-7p 21"X15" FYG
28,31,63,65 S1-1 36"X36" W16-7p 21"X15" FYG
POLE MOUNTED

CONSTRUCTION DETAILS

A. INSTALL 14' BREAKAWAY PEDESTAL POLE ON BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND R10-3(I) PUSHBUTTON SIGN TO READ "PUSH BUTTON TO CROSS EAST MAPLE RD". I 3" CONDUIT BEND IN BASE SHA SIGNAL SHOP TO INSTALL 2 36"X36" S1-1 SIGNS AND ONE W16-7(P) L&R ON EACH POLE. I 3" CONDUIT IN BASE
B. INSTALL 5' BREAKAWAY PEDESTAL POLE ON BREAKAWAY COUPLING BASE, APS PUSHBUTTON AND R10-3(I) SIGN TO READ "PUSH BUTTON TO CROSS CAMP MEADE". I 3" CONDUIT BEND IN BASE. SEE MD STD's 818.16-01 and 801.01-01
C. USE EXISTING PEDESTAL POLE AND COUNTDOWN PEDESTRIAN SIGNAL HEAD. REMOVE EXISTING PUSHBUTTON AND INSTALL PROPOSED APS PUSHBUTTON WITH R10-3(I) SIGN TO READ "PUSHBUTTON TO CROSS WEST MAPLE RD"
D. REMOVE EXISTING COUNTDOWN PEDSTRIAN SIGNAL HEAD AN RELOCATE TO PROPOSED 10' PEDESTAL POLE AS SHOWN REMOVE EXISTING PEDESTAL POLE AND REMOVE FOUNDATION 12" BELOW GRADE
E. INSTALL 10' BREAKAWAY PEDESTAL POLE ON BREAKAWAY COUPLING BASE (, APS PUSHBUTTON, RELOCATED PEDESTRIAN SIGNAL HEAD FROM "D" AND R10-3(I) PUSHBUTTON SIGN TO READ "PUSH BUTTON TO CROSS CAMP MEADE RD". I 3" CONDUIT BEND IN BASE. SEE MD STD's 818.16-01 and 801.01-01
F. REMOVE EXISTING PUSHBUTTONS AND PUSHBUTTON SIGNS. INSTALL PROPOSED APS PUSHBUTTON AND R10-3(I) PUSHBUTTON SIGN TO READ "PUSH BUTTON TO CROSS WEST MAPLE ROAD"
G. INSTALL ADA RAMP, MD STD 655.12, AND DETECTABLE WARNING SURFACE, MD STD 655.40
H. INSTALL ADA RAMP A SHOWN ON SHEET 2 AND DETECTABLE WARNING SURFACE, MD STD 655.40
I. INSTALL 3' CONDUIT SCH 80 RIGID PVC CONDUIT-TRENCHED
J. RELOCATE EXISTING GROUND MOUNTED SIGN AND SUPPORT AS SHOWN
K. INSTALL 4" PVC SCH 80 CONDUIT-SLOTTED
L. INSTALL 24" WHITE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE (2 PIECES 12" SIDE BY SIDE)
M. INSTALL 12" WHITE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK
N. USE EXISTING HANDHOLE
O. USE EXISTING CONDUIT
P. REMOVE EXISTING MARKINGS NOT REMOVED BY MILLING
Q. ADJUST EXISTING HANDHOLE TO GRADE

CONSTRUCTION DETAILS CONT'D

R. INSTALL 14' BREAKAWAY PEDESTAL POLE ON BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND R10-3(I) PUSHBUTTON SIGN TO READ "PUSH BUTTON TO CROSS CAMP MEADE RD". I 3" CONDUIT BEND IN BASE SHA SIGNAL SHOP TO INSTALL 2 36"X36" S1-1 SIGNS AND ONE W16-7(P) L&R ON EACH POLE. I 3" CONDUIT IN BASE
S. INSTALL ELECTRICAL HANDHOLE. CONTRACTOR SHALL LOCATE EXISTING CONDUIT AND TIE CONDUIT INTO PROPOSED HANDHOLE USE EXISTINIG CONDUIT BEND IN POLE BASE.

GEOMETRIC LEGEND

EXISTING

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

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

REVISIONS
F ADD APS ACROSS NORTH AND WEST LEGS ADD APS/CPS ACROSS EAST AND SOUTH LEGS MAY, 2010 CJS
E AS BUILT-FOR UPS INSTALLATION 05/2009
SWA
D ADD OPTICOM DETECTOR FOR NORTHBOUND MD 170 SHA NO. AT7825185 10/2005
STV SDV

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

MD 169 (MAPLE ROAD) AT MD 170 (CAMP MEADE ROAD)
LINTHICUM, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 081678 CONTRACT NO. AA-242-501-585

DESIGNED BY P.K.N. COUNTY ANNE ARUNDEL
DRAWN BY D. DODA LOGMILE 02017009.85
CHECKED BY TIMS NO. J323
F.A.P. NO. TOD NO.

TS NO. 1608 F | DRAWING – OF | SHEET NO. 1 OF 3

PLOTTED: Wednesday, April 28, 2010 at 1:32:56 PM
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By: cstrain