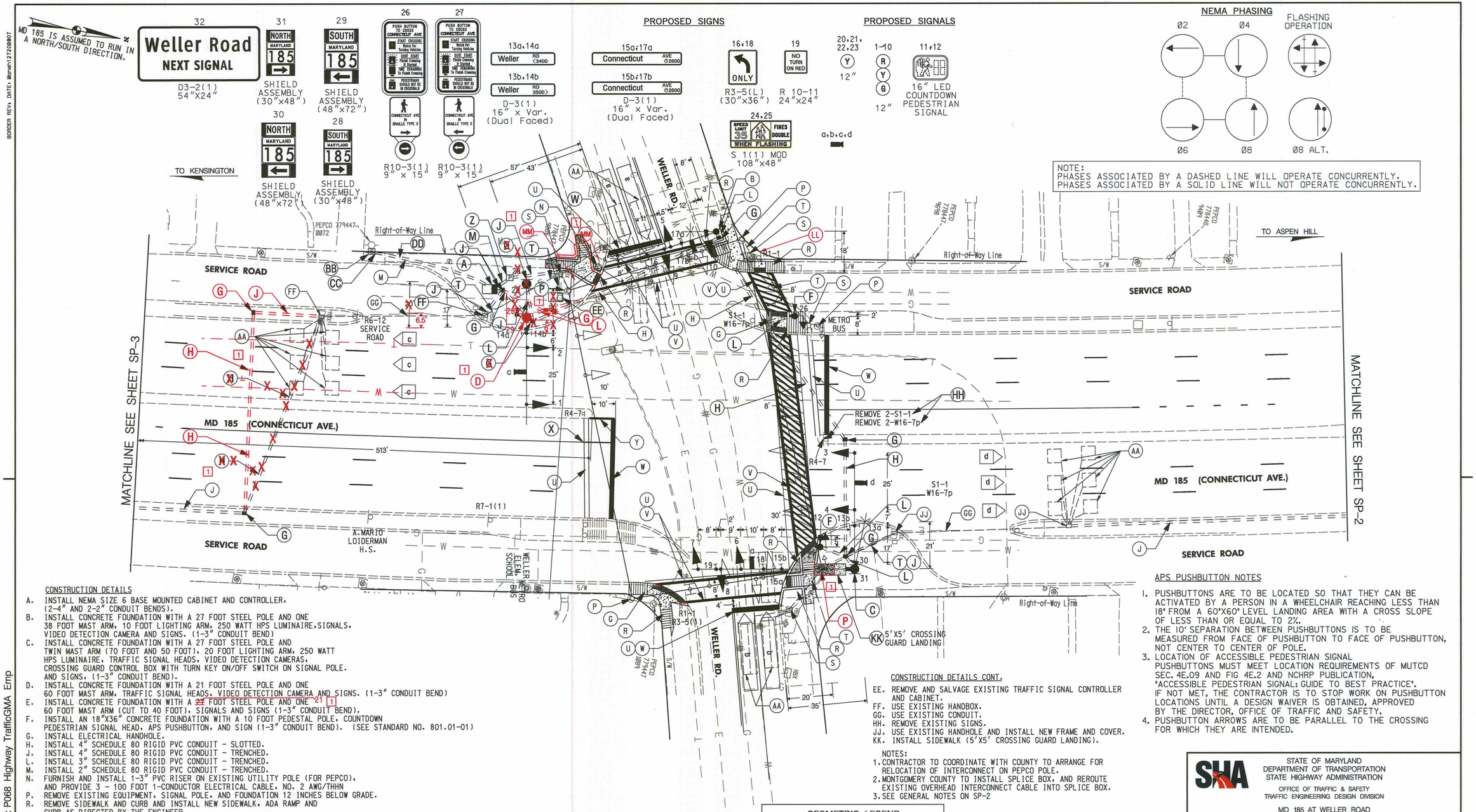

DRILL HOLES

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DRILL HOLES

BORDER REV: DATE: Monen12120807

BY: Aaron Hottenstein Division: P068 Highway TrafficGMA Emp

CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER, (2-4" AND 2-2" CONDUIT BENDS).
B. INSTALL CONCRETE FOUNDATION WITH A 27 FOOT STEEL POLE AND ONE 38 FOOT MAST ARM, 10 FOOT LIGHTING ARM, 250 WATT HPS LUMINAIRE,SIGNALS, VIDEO DETECTION CAMERA AND SIGNS. (1-3" CONDUIT BEND)
C. INSTALL CONCRETE FOUNDATION WITH A 27 FOOT STEEL POLE AND TWIN MAST ARM (70 FOOT AND 50 FOOT), 20 FOOT LIGHTING ARM, 250 WATT HPS LUMINAIRE, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS, CROSSING GUARD CONTROL BOX WITH TURN KEY ON/OFF SWITCH ON SIGNAL POLE. AND SIGNS, (1-3" CONDUIT BEND).
D. INSTALL CONCRETE FOUNDATION WITH A 21 FOOT STEEL POLE AND ONE 60 FOOT MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA AND SIGNS. (1-3" CONDUIT BEND)
E. INSTALL CONCRETE FOUNDATION WITH A ~~25~~ FOOT STEEL POLE AND ONE 21 [1] 60 FOOT MAST ARM (CUT TO 40 FOOT), SIGNALS AND SIGNS (1-3" CONDUIT BEND).
F. INSTALL AN 18"X36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE, COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON, AND SIGN (1-3" CONDUIT BEND). (SEE STANDARD NO. 801.01-01)
G. INSTALL ELECTRICAL HANDHOLE.
H. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
J. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
L. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
M. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
N. FURNISH AND INSTALL 1-3" PVC RISER ON EXISTING UTILITY POLE (FOR PEPCO), AND PROVIDE 3 - 100 FOOT 1-CONDUCTOR ELECTRICAL CABLE, NO. 2 AWG/THHN
P. REMOVE EXISTING EQUIPMENT, SIGNAL POLE, AND FOUNDATION 12 INCHES BELOW GRADE.
R. REMOVE SIDEWALK AND CURB AND INSTALL NEW SIDEWALK, ADA RAMP AND CURB AS DIRECTED BY THE ENGINEER.
S. REMOVE EXISTING HANDHOLE.
T. CAP AND ABANDON EXISTING CONDUIT.
U. REMOVE EXISTING PAVEMENT MARKING.
V. INSTALL 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
W. INSTALL 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
X. INSTALL 5 INCH WHITE HEAT APPLIED PERMANENT PAVEMENT MARKINGS.
Y. INSTALL 5 INCH YELLOW HEAT APPLIED PERMANENT PAVEMENT MARKINGS.
Z. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL WITH BYPASS SWITCH.
AA. CUT AND ABANDON EXISTING LOOP DETECTORS.
BB. MONTGOMERY COUNTY TO INSTALL COUNTY SPLICE BOX ON EXISTING PEPCO POLE. MONTGOMERY COUNTY TO PULL BACK 50-PAIR OVERHEAD CABLE AND CONNECT TO SPLICE BOX WITH 4 INCH RISER.
CC. INSTALL 1-12 PAIR INTERCONNECT CABLE IN CONDUIT. CONNECTING SPLICE BOX TO THE SIGNAL CONTROLLER.
DD. REMOVE THE EXISTING SIDEWALK TO INSTALL CONDUIT AND INSTALL NEW SIDEWALK AS DIRECTED BY THE ENGINEER.

[1] CONSTRUCTION DETAILS CONT.
LL. RESET EXISTING SIGN ONTO NEW POST.
MM. REMOVE EXISTING SIDEWALK.

CONSTRUCTION DETAILS CONT.
EE. REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET.
FF. USE EXISTING HANDBOX.
GG. USE EXISTING CONDUIT.
HH. REMOVE EXISTING SIGNS.
JJ. USE EXISTING HANDHOLE AND INSTALL NEW FRAME AND COVER.
KK. INSTALL SIDEWALK (5'X5' CROSSING GUARD LANDING).

NOTES:
1. CONTRACTOR TO COORDINATE WITH COUNTY TO ARRANGE FOR RELOCATION OF INTERCONNECT ON PEPCO POLE.
2. MONTGOMERY COUNTY TO INSTALL SPLICE BOX, AND REROUTE EXISTING OVERHEAD INTERCONNECT CABLE INTO SPLICE BOX.
3. SEE GENERAL NOTES ON SP-2

APS PUSHBUTTON NOTES

1. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"X60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
2. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
3. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG 4E.2 AND NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNAL: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
4. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

[1] REDLINE NO.1 MARCH 2012
APPROVED BY TEDD 3/8/2012

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD—SD— STORM DRAIN
G—G— GAS MAIN
W—W— WATER MAIN
S—S— SEWER MAIN
E—E— ELECTRIC CABLES
A—A— AERIAL CABLES
T—T— TELEPHONE CABLES
F—F— FIBER-OPTIC

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

REVISIONS
B SIGNAL RECONSTRUCTION TIMS NO. K539 10/2011 CONTRACT # XX6555185 KCI
A AS-BUILT 4/27/2000 SHA No. BWI09M83 FJH

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

MD 185 AT WELLER ROAD
GLENMONT, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 5251985 CONTRACT NO. M-410-501-317

DESIGNED BY
DRAWN BY BRUCE THOMPSON
CHECKED BY
F.A.P. NO. N/A
COUNTY MONTGOMERY
LOGMILE 15018506.75
TIMS NO.
TOD NO.

TS NO. 521B | DRAWING SP-1 OF 4 | SHEET NO. 1 OF 4

PLOTTED: "09:58 AM on Wednesday, March 07, 2012"
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