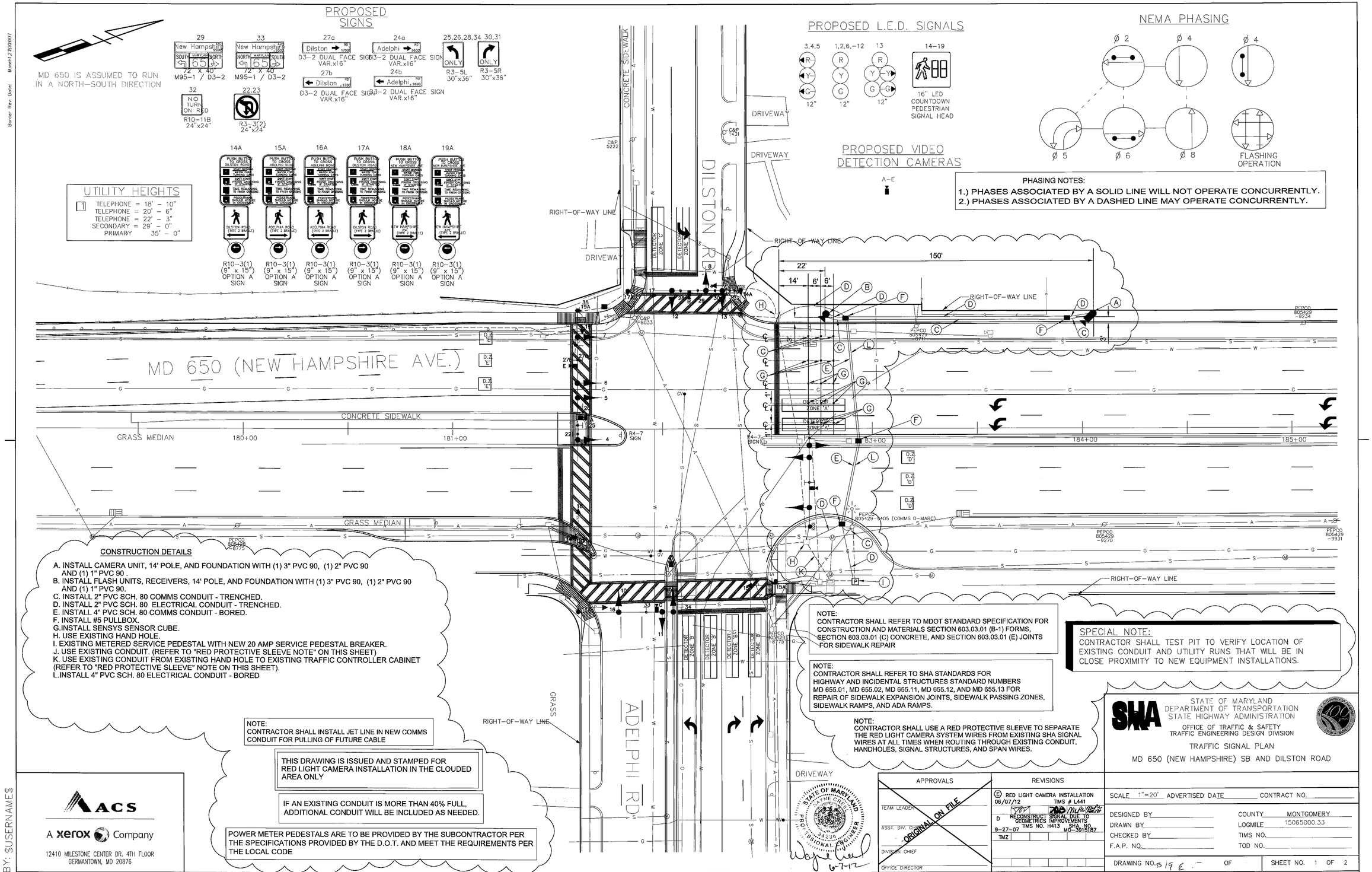
PROPOSED SIGNS
MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION
29 New Hampshire RD 2000 SOUTH MARYLAND NORTH 65 72 X 40 M95-1 / D3-2
33 New Hampshire RD 2000 NORTH MARYLAND SOUTH 65 72 X 40 M95-1 / D3-2
27a Dilston RD 1700 D3-2 DUAL FACE SIGN VAR.x16"
24a Adelphi RD 9500 D3-2 DUAL FACE SIGN VAR.x16"
25,26,28,34 ONLY R3-5L 30"x36"
30,31 ONLY R3-5R 30"x36"
27b Dilston RD 1700 D3-2 DUAL FACE SIGN VAR.x16"
24b Adelphi RD 9500 D3-2 DUAL FACE SIGN VAR.x16"
32 NO TURN ON RED R10-11B 24"x24"
22,23 R3-3(2) 24"x24"
14A 15A 16A 17A 18A 19A
PUSH BUTTON TO CROSS DILSTON ROAD
PEDESTRIAN SIGNAL NOT IN USE
TIME REMAINING TO FINISH CROSSING
PEDESTRIAN SIGNAL NOT IN USE
DILSTON ROAD (TYPE 2 SIGNAL)
ADELPHIA ROAD (TYPE 2 SIGNAL)
NEW HAMPSHIRE AVE (TYPE 2 SIGNAL)
R10-3(1) (9" x 15") OPTION A SIGN
UTILITY HEIGHTS
TELEPHONE = 18' - 10"
TELEPHONE = 20' - 6"
TELEPHONE = 22' - 3"
SECONDARY = 29' - 0"
PRIMARY 35' - 0"
PROPOSED L.E.D. SIGNALS
3,4,5 R Y G 12"
1,2,6,-12 R Y G 12"
13 R Y G 12"
14-19 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
NEMA PHASING
Ø 2 Ø 4 Ø 4
Ø 5 Ø 6 Ø 8 FLASHING OPERATION
PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
PROPOSED VIDEO DETECTION CAMERAS
A-E
MD 650 (NEW HAMPSHIRE AVE.)
DILSTON RD
ADELPHI RD
CONCRETE SIDEWALK
GRASS MEDIAN
DRIVEWAY
RIGHT-OF-WAY LINE
150'
22'
14'
6'
6'
DETECTOR ZONE 'A'
DETECTOR ZONE 'B'
DETECTOR ZONE 'C'
R4-7 SIGN
180+00
181+00
183+00
184+00
185+00
PEPCO 805429-9234
PEPCO 805429-8717
PEPCO 805429-8775
PEPCO 805429-9405 (COMMS D-MARC)
PEPCO 805429-9270
PEPCO 805429-9931
C&P 5222
C&P 1431
C&P 8033
CONSTRUCTION DETAILS
A. INSTALL CAMERA UNIT, 14' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 .
B. INSTALL FLASH UNITS, RECEIVERS, 14' POLE, AND FOUNDATION WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90.
C. INSTALL 2" PVC SCH. 80 COMMS CONDUIT - TRENCHED.
D. INSTALL 2" PVC SCH. 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL 4" PVC SCH. 80 COMMS CONDUIT - BORED.
F. INSTALL #5 PULLBOX.
G.INSTALL SENSYS SENSOR CUBE.
H. USE EXISTING HAND HOLE.
I. EXISTING METERED SERVICE PEDESTAL WITH NEW 20 AMP SERVICE PEDESTAL BREAKER.
J. USE EXISTING CONDUIT. (REFER TO "RED PROTECTIVE SLEEVE NOTE" ON THIS SHEET)
K. USE EXISTING CONDUIT FROM EXISTING HAND HOLE TO EXISTING TRAFFIC CONTROLLER CABINET (REFER TO "RED PROTECTIVE SLEEVE" NOTE ON THIS SHEET).
L.INSTALL 4" PVC SCH. 80 ELECTRICAL CONDUIT - BORED
NOTE:
CONTRACTOR SHALL INSTALL JET LINE IN NEW COMMS CONDUIT FOR PULLING OF FUTURE CABLE
THIS DRAWING IS ISSUED AND STAMPED FOR RED LIGHT CAMERA INSTALLATION IN THE CLOUDED AREA ONLY
IF AN EXISTING CONDUIT IS MORE THAN 40% FULL, ADDITIONAL CONDUIT WILL BE INCLUDED AS NEEDED.
POWER METER PEDESTALS ARE TO BE PROVIDED BY THE SUBCONTRACTOR PER THE SPECIFICATIONS PROVIDED BY THE D.O.T. AND MEET THE REQUIREMENTS PER THE LOCAL CODE
NOTE:
CONTRACTOR SHALL REFER TO MDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS SECTION 603.03.01 (B-1) FORMS, SECTION 603.03.01 (C) CONCRETE, AND SECTION 603.03.01 (E) JOINTS FOR SIDEWALK REPAIR
NOTE:
CONTRACTOR SHALL REFER TO SHA STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES STANDARD NUMBERS MD 655.01, MD 655.02, MD 655.11, MD 655.12, AND MD 655.13 FOR REPAIR OF SIDEWALK EXPANSION JOINTS, SIDEWALK PASSING ZONES, SIDEWALK RAMPS, AND ADA RAMPS.
NOTE:
CONTRACTOR SHALL USE A RED PROTECTIVE SLEEVE TO SEPARATE THE RED LIGHT CAMERA SYSTEM WIRES FROM EXISTING SHA SIGNAL WIRES AT ALL TIMES WHEN ROUTING THROUGH EXISTING CONDUIT, HANDHOLES, SIGNAL STRUCTURES, AND SPAN WIRES.
SPECIAL NOTE:
CONTRACTOR SHALL TEST PIT TO VERIFY LOCATION OF EXISTING CONDUIT AND UTILITY RUNS THAT WILL BE IN CLOSE PROXIMITY TO NEW EQUIPMENT INSTALLATIONS.
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 650 (NEW HAMPSHIRE) SB AND DILSTON ROAD
ACS
A xerox Company
12410 MILESTONE CENTER DR. 4TH FLOOR
GERMANTOWN, MD 20876
STATE OF MARYLAND
WAYNE C. GREEN
14236
PROFESSIONAL ENGINEER
6-7-12
APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE
REVISIONS
E RED LIGHT CAMERA INSTALLATION TIMS # L441 06/07/12
D RECONSTRUCT SIGNAL DUE TO GEOMETRICS IMPROVEMENTS TIMS NO. H413 SHA NO. MD-391S187 9-27-07
TMZ
SCALE 1"=20' ADVERTISED DATE CONTRACT NO.
DESIGNED BY
DRAWN BY
CHECKED BY
F.A.P. NO.
COUNTY MONTGOMERY
LOGMILE 15065000.33
TIMS NO.
TOD NO.
DRAWING NO. B 19 E OF
SHEET NO. 1 OF 2
PLOTTED: $DATE TIME$
FILE: $FILE$
BY: $USERNAME$
DRILL HOLES
6/7/2012 2:46:47 PM