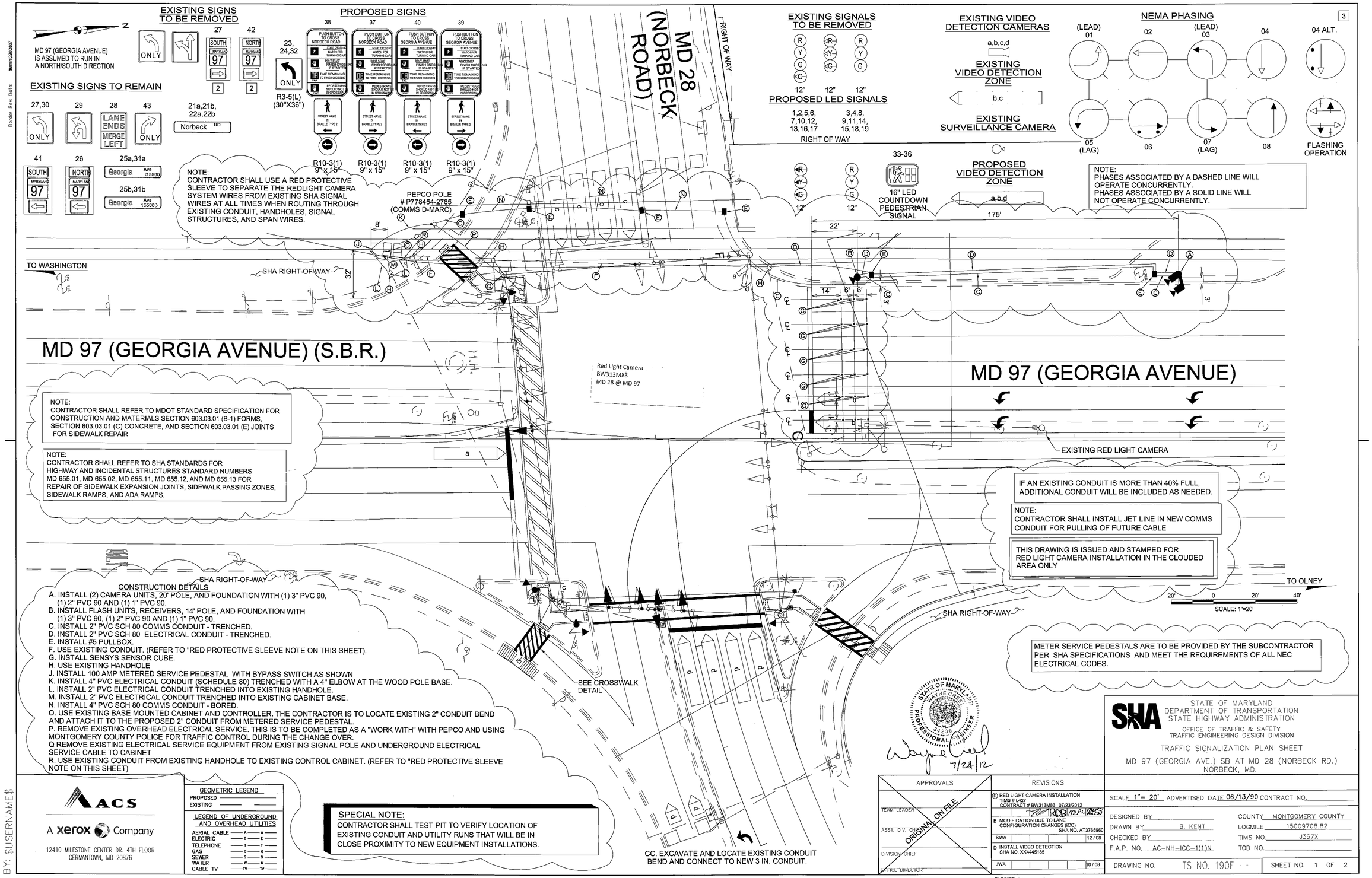
EXISTING SIGNS TO BE REMOVED
MD 97 (GEORGIA AVENUE) IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION
EXISTING SIGNS TO REMAIN
PROPOSED SIGNS
R3-5(L) (30"X36")
R10-3(1) 9" x 15"
EXISTING SIGNALS TO BE REMOVED
PROPOSED LED SIGNALS
1,2,5,6, 7,10,12, 13,16,17
3,4,8, 9,11,14, 15,18,19
RIGHT OF WAY
EXISTING VIDEO DETECTION CAMERAS
a,b,c,d
EXISTING VIDEO DETECTION ZONE
b,c
EXISTING SURVEILLANCE CAMERA
PROPOSED VIDEO DETECTION ZONE
a,b,d
16" LED COUNTDOWN PEDESTRIAN SIGNAL
NEMA PHASING
(LEAD) 01
02
(LEAD) 03
04
04 ALT.
05 (LAG)
06
07 (LAG)
08
FLASHING OPERATION
NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
NOTE: CONTRACTOR SHALL USE A RED PROTECTIVE SLEEVE TO SEPARATE THE REDLIGHT CAMERA SYSTEM WIRES FROM EXISTING SHA SIGNAL WIRES AT ALL TIMES WHEN ROUTING THROUGH EXISTING CONDUIT, HANDHOLES, SIGNAL STRUCTURES, AND SPAN WIRES.
PEPCO POLE # P778454-2765 (COMMS D-MARC)
MD 28 (NORBECK ROAD)
RIGHT OF WAY
TO WASHINGTON
SHA RIGHT-OF-WAY
MD 97 (GEORGIA AVENUE) (S.B.R.)
MD 97 (GEORGIA AVENUE)
Red Light Camera BW313M83 MD 28 @ MD 97
EXISTING RED LIGHT CAMERA
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.
IF AN EXISTING CONDUIT IS MORE THAN 40% FULL, ADDITIONAL CONDUIT WILL BE INCLUDED AS NEEDED.
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
TO OLNEY
SCALE: 1"=20'
METER SERVICE PEDESTALS ARE TO BE PROVIDED BY THE SUBCONTRACTOR PER SHA SPECIFICATIONS AND MEET THE REQUIREMENTS OF ALL NEC ELECTRICAL CODES.
SEE CROSSWALK DETAIL
CC. EXCAVATE AND LOCATE EXISTING CONDUIT BEND AND CONNECT TO NEW 3 IN. CONDUIT.
STATE OF MARYLAND WAYNE CHEL 34239 PROFESSIONAL ENGINEER
7/24/12
ACS
A xerox Company
12410 MILESTONE CENTER DR. 4TH FLOOR GERMANTOWN, MD 20876
GEOMETRIC LEGEND
PROPOSED
EXISTING
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV
CONSTRUCTION DETAILS
A. INSTALL (2) CAMERA UNITS, 20' 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 #5 PULLBOX.
F. USE EXISTING CONDUIT. (REFER TO "RED PROTECTIVE SLEEVE NOTE ON THIS SHEET).
G. INSTALL SENSYS SENSOR CUBE.
H. USE EXISTING HANDHOLE
J. INSTALL 100 AMP METERED SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN
K. INSTALL 4" PVC ELECTRICAL CONDUIT (SCHEDULE 80) TRENCHED WITH A 4" ELBOW AT THE WOOD POLE BASE.
L. INSTALL 2" PVC ELECTRICAL CONDUIT TRENCHED INTO EXISTING HANDHOLE.
M. INSTALL 2" PVC ELECTRICAL CONDUIT TRENCHED INTO EXISTING CABINET BASE.
N. INSTALL 4" PVC SCH 80 COMMS CONDUIT - BORED.
O. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. THE CONTRACTOR IS TO LOCATE EXISTING 2" CONDUIT BEND AND ATTACH IT TO THE PROPOSED 2" CONDUIT FROM METERED SERVICE PEDESTAL.
P. REMOVE EXISTING OVERHEAD ELECTRICAL SERVICE. THIS IS TO BE COMPLETED AS A "WORK WITH" WITH PEPCO AND USING MONTGOMERY COUNTY POLICE FOR TRAFFIC CONTROL DURING THE CHANGE OVER.
Q REMOVE EXISTING ELECTRICAL SERVICE EQUIPMENT FROM EXISTING SIGNAL POLE AND UNDERGROUND ELECTRICAL SERVICE CABLE TO CABINET
R. USE EXISTING CONDUIT FROM EXISTING HANDHOLE TO EXISTING CONTROL CABINET. (REFER TO "RED PROTECTIVE SLEEVE NOTE ON THIS SHEET)
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.
APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE
REVISIONS
(F) RED LIGHT CAMERA INSTALLATION TIMS # L427 CONTRACT # BW313M83 07/23/2012
E MODIFICATION DUE TO LANE CONFIGURATION CHANGES (CC) SHA NO. AT3765960 SWA 12/08
D INSTALL VIDEO DETECTION SHA NO. XX4445185 JWA 10/08
SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN SHEET
MD 97 (GEORGIA AVE.) SB AT MD 28 (NORBECK RD.) NORBECK, MD.
SCALE 1"= 20' ADVERTISED DATE 06/13/90 CONTRACT NO.
DESIGNED BY
DRAWN BY B. KENT
CHECKED BY
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY COUNTY
LOGMILE 15009708.82
TIMS NO. J367X
TOD NO.
DRAWING NO. TS NO. 190F
SHEET NO. 1 OF 2
DRILL HOLES
BY: $USERNAME$
7/23/2012 11:34:39 AM
PLOTTED: $DATETIME$
FILE: $FILE$