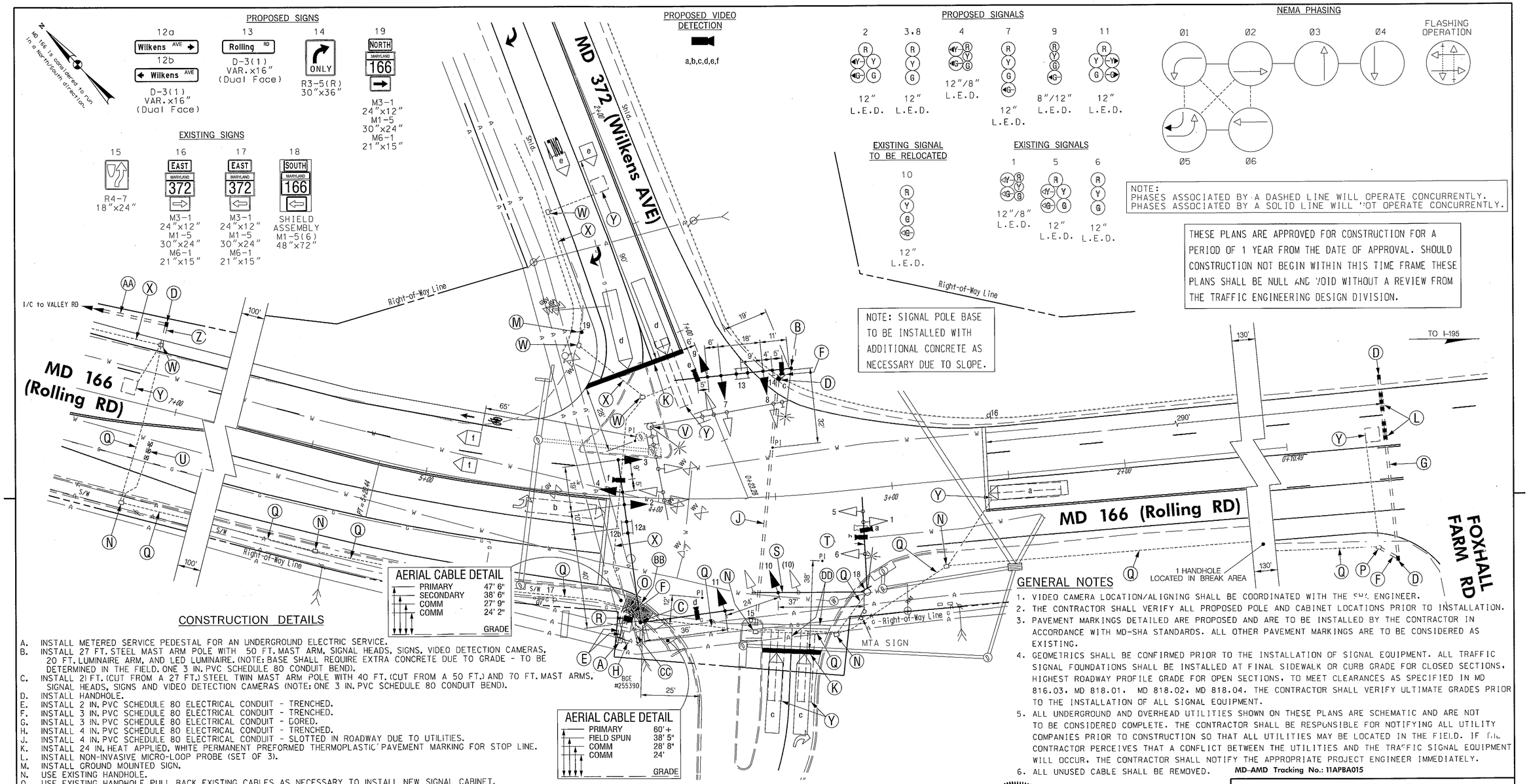

Entrance to St. John's Assisted Living

CONSTRUCTION DETAILS

A. INSTALL METERED SERVICE PEDESTAL FOR AN UNDERGROUND ELECTRIC SERVICE.
B. INSTALL 27 FT. STEEL MAST ARM POLE WITH 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT. LUMINAIRE ARM, AND LED LUMINAIRE. (NOTE: BASE SHALL REQUIRE EXTRA CONCRETE DUE TO GRADE - TO BE DETERMINED IN THE FIELD. ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL 21 FT. (CUT FROM A 27 FT.) STEEL TWIN MAST ARM POLE WITH 40 FT. (CUT FROM A 50 FT.) AND 70 FT. MAST ARMS, SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL HANDHOLE.
E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED IN ROADWAY DUE TO UTILITIES.
K. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
L. INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3).
M. INSTALL GROUND MOUNTED SIGN.
N. USE EXISTING HANDHOLE.
O. USE EXISTING HANDHOLE. PULL BACK EXISTING CABLES AS NECESSARY TO INSTALL NEW SIGNAL CABINET.
P. USE EXISTING HANDHOLE. REINSTALL FRAME AND COVER TO GRADE.
Q. USE EXISTING CONDUIT.
R. USE EXISTING CABINET BASE. REPLACE EXISTING CABINET WITH NEW "S" CABINET UTILIZING AN "S" CABINET EXTENDER BASE. THE NEW CABINET SHALL HAVE INSTALLED THE CURRENT SHA APPROVED EQUIPMENT INCLUDING TERRA VIDEO DETECTOR INTERFACE PANEL, TELEMETRY INTERFACE PANEL, LOOP DETECTOR PANEL, AND BATTERY BACKUP (UPS). REMOVE EXISTING UNUSED CABLE.
S. USE EXISTING MAST ARM. RELOCATE EXISTING 4-SECTION SIGNAL HEAD (#10). INSTALL NEW 7-CONDUCTOR CABLE. REMOVE EXISTING 3-SECTION SIGNAL HEAD.
T. USE EXISTING MAST ARM. INSTALL NEW TERRA MODEL VIDEO DETECTION CAMERAS. REMOVE EXISTING SOLO MODEL VIDEO CAMERA.
U. USE EXISTING MICROLOOP PROBE.
V. REMOVE EXISTING STEEL POLE AND ALL ATTACHED EQUIPMENT. REMOVE EXISTING BASE 12 IN. BELOW GRADE.
W. REMOVE EXISTING HANDHOLE.
X. CAP AND ABANDON EXISTING CONDUIT.
Y. ABANDON EXISTING VEHICLE DETECTION. REMOVE ASSOCIATED ALLUMINUM SHIELDED CABLE.
Z. EXTEND EXISTING 3 IN. CONDUIT TO NEW HANDHOLE (TRENCHED).
AA. CONDUIT INSTALLED AS PART OF THE INTERCONNECT (I/C) RELOCATION PLAN.
BB. REMOVE AND REPLACE EXISTING SIDEWALK AS NECESSARY FOR SIGNAL FOUNDATION AND CONDUIT INSTALLATION.
CC. REMOVE EXISTING ELECTRIC SERVICE UPON CONNECTION CHANGE OVER.
DD. REMOVE EXISTING PAVEMENT MARKING BY GRINDING.

GENERAL NOTES

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
6. ALL UNUSED CABLE SHALL BE REMOVED.

MD-AMD Tracking No.: 11APBA015

STATE OF MARYLAND
MING YU CHEN
No. 33316
PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION - I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 33316 EXPIRATION DATE: 7/13/14

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"Merging Innovation and Excellence"®

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

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

REVISIONS
E NB MD 166 IS BEING WIDENED TO ACCOMODATE TWO THROUGH LANES. SHA No. BW996M82 TMS# L943 JULY 18, 2013 ITG JJD
E INSTALL RIGHT TURN OVERLAP FOR NORTHBOUND MD 166. SHA No. XX4486185 March 2010 STV MCG
D REBUILD FOR NEW GEOMETRICS. SHA No. BW996M82 March 13, 2001 ITG JJD

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

MD 166 (ROLLING ROAD) AT MD 372 (WILKENS AVENUE)
CATONSVILLE, MD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE FEBRUARY, 1987 CONTRACT NO. B-853-501-485

DESIGNED BY
DRAWN BY D. DISTANCE
CHECKED BY S. RENZI
F.A.P. NO. N/A
COUNTY BALTIMORE
LOGMILE 03016600.45
TIMS NO. 6371
TCO NO. N/A

TS NO. 2258-F DRAWING SG - 01 OF 01 SHEET NO. 1 OF 3

PLOTTED: Thursday, July 18, 2013 AT 01:34 PM
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PLOTTED BY: JStorck