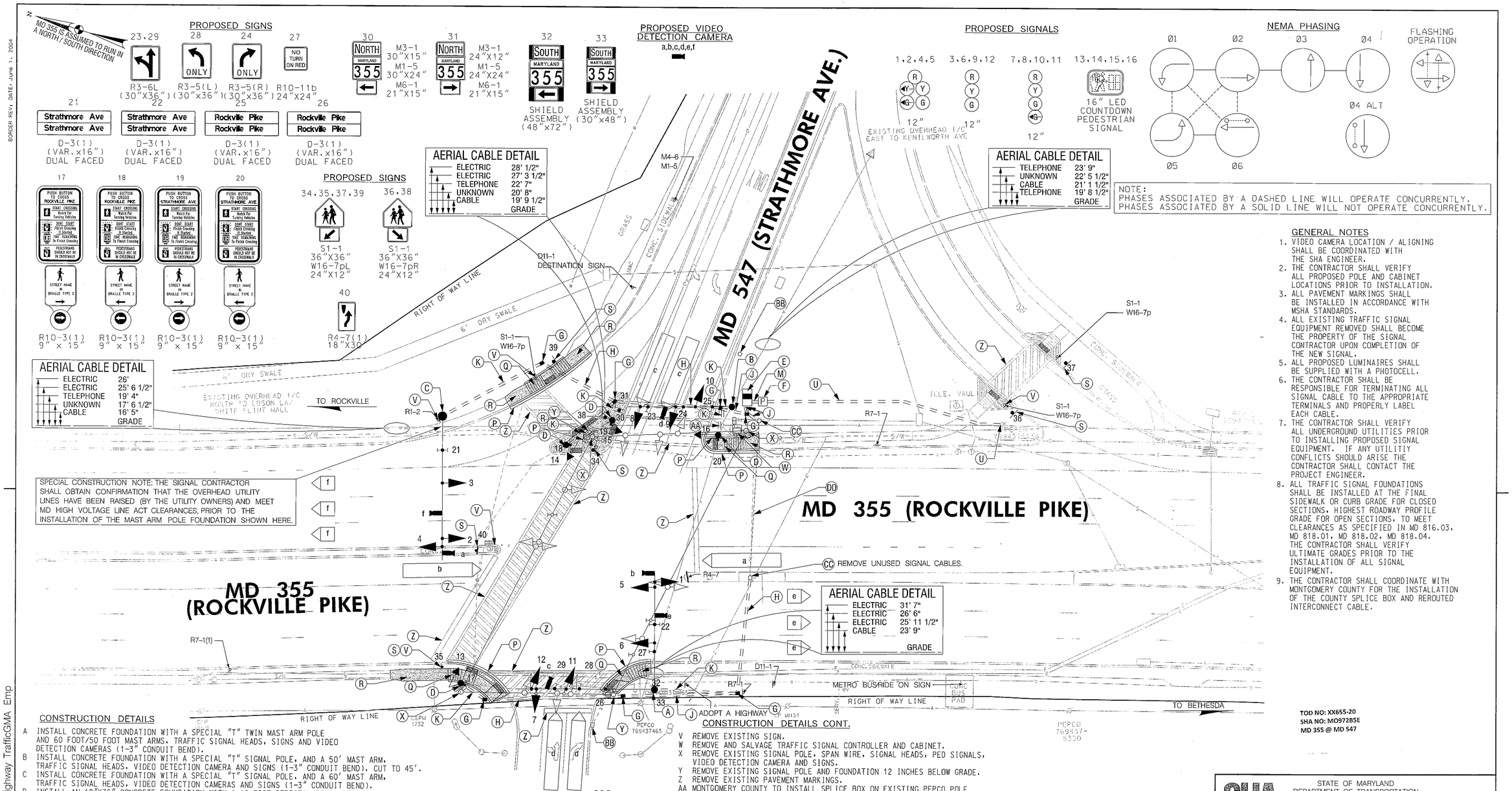

GENERAL NOTES

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. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE 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.
9. THE CONTRACTOR SHALL COORDINATE WITH MONTGOMERY COUNTY FOR THE INSTALLATION OF THE COUNTY SPLICE BOX AND REROUTED INTERCONNECT CABLE.

TOD NO: XX655-20
SHA NO: MO972B5E
MD 355 @ MD 547

CONSTRUCTION DETAILS

A INSTALL CONCRETE FOUNDATION WITH A SPECIAL "T" TWIN MAST ARM POLE AND 60 FOOT/50 FOOT MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS (1-3" CONDUIT BEND).
B INSTALL CONCRETE FOUNDATION WITH A SPECIAL "T" SIGNAL POLE, AND A 50' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA AND SIGNS (1-3" CONDUIT BEND). CUT TO 45'.
C INSTALL CONCRETE FOUNDATION WITH A SPECIAL "T" SIGNAL POLE, AND A 60' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS AND SIGNS (1-3" CONDUIT BEND).
D INSTALL AN 18"X36" CONCRETE FOUNDATION WITH A 10 FOOT PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN (1-3" CONDUIT BEND). (STANDARD NO. MD 801.01.01)
E INSTALL NEMA SIZE S BASE MOUNTED CABINET WITH UNINTERRUPTABALE POWER SUPPLY AND CONTROLLER. (2-4" AND 2-2" CONDUIT BENDS).
F INSTALL EMBEDDED 100 AMP METERED SERVICE PEDESTAL WITH BYPASS SWITCH.
G INSTALL ELECTRICAL HANDHOLE.
H INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
J INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
K INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
M INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
N INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PAVEMENT MARKINGS.
O INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PAVEMENT MARKINGS.
P INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER.
Q INSTALL NEW SIDEWALK RAMP.
R INSTALL 5 FOOT WIDE / 5 INCH DEPTH CONCRETE SIDEWALK.
S INSTALL GROUND MOUNTED SIGN.
U INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT AND PROVIDE STUB-UP AT POLE BASE (TRENCHED). PROVIDE 360 FEET OF SINGLE CONDUCTOR NO. 2 AWG CABLE COILED AT BASE FOR PEPCO USE.

CONSTRUCTION DETAILS CONT.

V REMOVE EXISTING SIGN.
W REMOVE AND SALVAGE TRAFFIC SIGNAL CONTROLLER AND CABINET.
X REMOVE EXISTING SIGNAL POLE, SPAN WIRE, SIGNAL HEADS, PED SIGNALS, VIDEO DETECTION CAMERA AND SIGNS.
Y REMOVE EXISTING SIGNAL POLE AND FOUNDATION 12 INCHES BELOW GRADE.
Z REMOVE EXISTING PAVEMENT MARKINGS.
AA MONTGOMERY COUNTY TO INSTALL SPLICE BOX ON EXISTING PEPCO POLE AND REROUTE OVERHEAD INTERCONNECT CABLES TO SPLICE BOX. CONTRACTOR SHALL INSTALL 12-PAIR INTERCONNECT CABLE FROM SPLICE BOX TO SIGNAL CONTROLLER. INSTALL 2 INCH CONDUIT TO CLOSEST HANDHOLE FROM PEPCO POLE.
BB REMOVE EXISTING HANDHOLE.
CC USE EXISTING HANDHOLE.
DD USE EXISTING CONDUIT.

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GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
FIBER-OPTIC

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

REVISIONS
D TRAFFIC SIGNAL RECONSTRUCTION SHA NO. XX655B5 1/2012 TIMS NO. K777 — KCI
E WIDEN GEO.PREP DRIVE, MODIFIED PAVEMENT MARKING 3/3/2006 — CHT
D REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO. A172B5 TIMS NO: G590 6/2005 — JWA JAH DAZ

PLOTTED: "12:25 PM on Wednesday, March 07, 2012"
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 (ROCKVILLE PIKE) AND MD 547 (STRATHMORE AVENUE)
GARRETT PARK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 9-13-78 CONTRACT NO.
DESIGNED BY M.V.R. COUNTY MONTGOMERY
DRAWN BY W.S.W. LOGMILE 15035505.27
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.
TS NO. 4175 F DRAWING SG-1 OF 3 SHEET NO. 1 OF 3

BY: Aaron Hottenstein Division: P068 Highway TrafficGMA Emp
BORDER REV: DATE: June 1, 2004