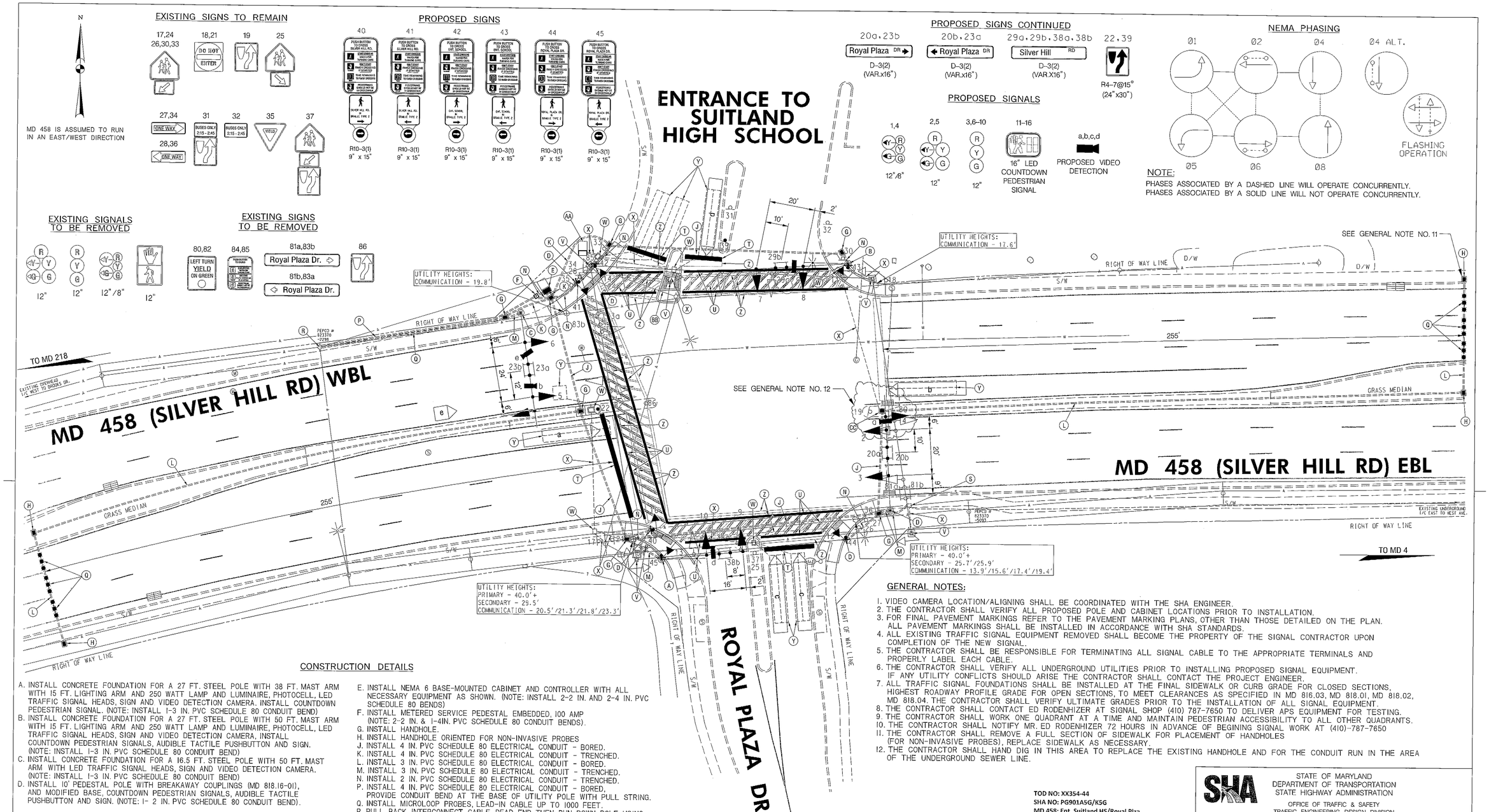

GENERAL NOTES:

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. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
7. 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.
8. THE CONTRACTOR SHALL CONTACT ED RODENHIZER AT SIGNAL SHOP (410) 787-7650 TO DELIVER APS EQUIPMENT FOR TESTING.
9. THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.
10. THE CONTRACTOR SHALL NOTIFY MR. ED RODENHIZER 72 HOURS IN ADVANCE OF BEGINING SIGNAL WORK AT (410)-787-7650
11. THE CONTRACTOR SHALL REMOVE A FULL SECTION OF SIDEWALK FOR PLACEMENT OF HANDHOLES (FOR NON-INVASIVE PROBES), REPLACE SIDEWALK AS NECESSARY.
12. THE CONTRACTOR SHALL HAND DIG IN THIS AREA TO REPLACE THE EXISTING HANDHOLE AND FOR THE CONDUIT RUN IN THE AREA OF THE UNDERGROUND SEWER LINE.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 38 FT. MAST ARM WITH 15 FT. LIGHTING ARM AND 250 WATT LAMP AND LUMINAIRE, PHOTOCELL, LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA, INSTALL COUNTDOWN PEDESTRIAN SIGNAL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 50 FT. MAST ARM WITH 15 FT. LIGHTING ARM AND 250 WATT LAMP AND LUMINAIRE, PHOTOCELL, LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA, INSTALL COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
C. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 50 FT. MAST ARM WITH LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
D. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1- 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. INSTALL NEMA 6 BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 BENDS)
F. INSTALL METERED SERVICE PEDESTAL EMBEDDED, 100 AMP (NOTE: 2-2 IN. & 1-4IN. PVC SCHEDULE 80 CONDUIT BENDS).
G. INSTALL HANDHOLE.
H. INSTALL HANDHOLE ORIENTED FOR NON-INVASIVE PROBES
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
M. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
N. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE WITH PULL STRING.
Q. INSTALL MICROLOOP PROBES, LEAD-IN CABLE UP TO 1000 FEET.
R. PULL BACK INTERCONNECT CABLE, DEAD END THEN RUN DOWN POLE USING 3" PVC RISER. REROUTE CABLE TO NEW CABINET.
S. USE EXISTING HANDHOLE PULL BACK INTERCONNECT CABLE, REROUTE CABLE TO NEW CABINET.
T. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
U. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING, WITH HATCHING.
V. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
W. REMOVE EXISTING HANDHOLE.
X. CAP AND ABANDON EXISTING CONDUIT.
Y. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
Z. REMOVE EXISTING PAVEMENT MARKING.
AA. REMOVE EXISTING SIGNAL CABINET FOUNDATION 12 IN. BELOW GRADE.
BB. EXISTING OVERHEAD POWER FEED TO BE REMOVED BY PEPCO.
CC. REPLACE EXISTING HANDHOLE WITH NEW HANDHOLE.

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

BY: chuck

TOD NO: XX354-44
SHA NO: PG901A5G/K5G
MD 458; Ent. Suitland HS/Royal Plza

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

REVISIONS
© 7/11 TIMS NO. J987 SHA NO. XX3545168B RECONSTRUCT TRAFFIC SIGNAL AND UPGRADE TO APS/CPS AND HANDICAP RAMPS
C.V.

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

MD 458 (SILVER HILL RD) AT ENTRANCE TO SUITLAND HIGH SCHOOL/ROYAL PLAZA DR
SUITLAND, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 6/85 CONTRACT NO. P-474-501-371

DESIGNED BY
DRAWN BY
CHECKED BY
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE
TIMS NO.
TOD NO.

TS NO. 999C | DRAWING - OF | SHEET NO. 1 OF 3

PLOTTED: Thursday, August 04, 2011 AT 12:13 PM
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