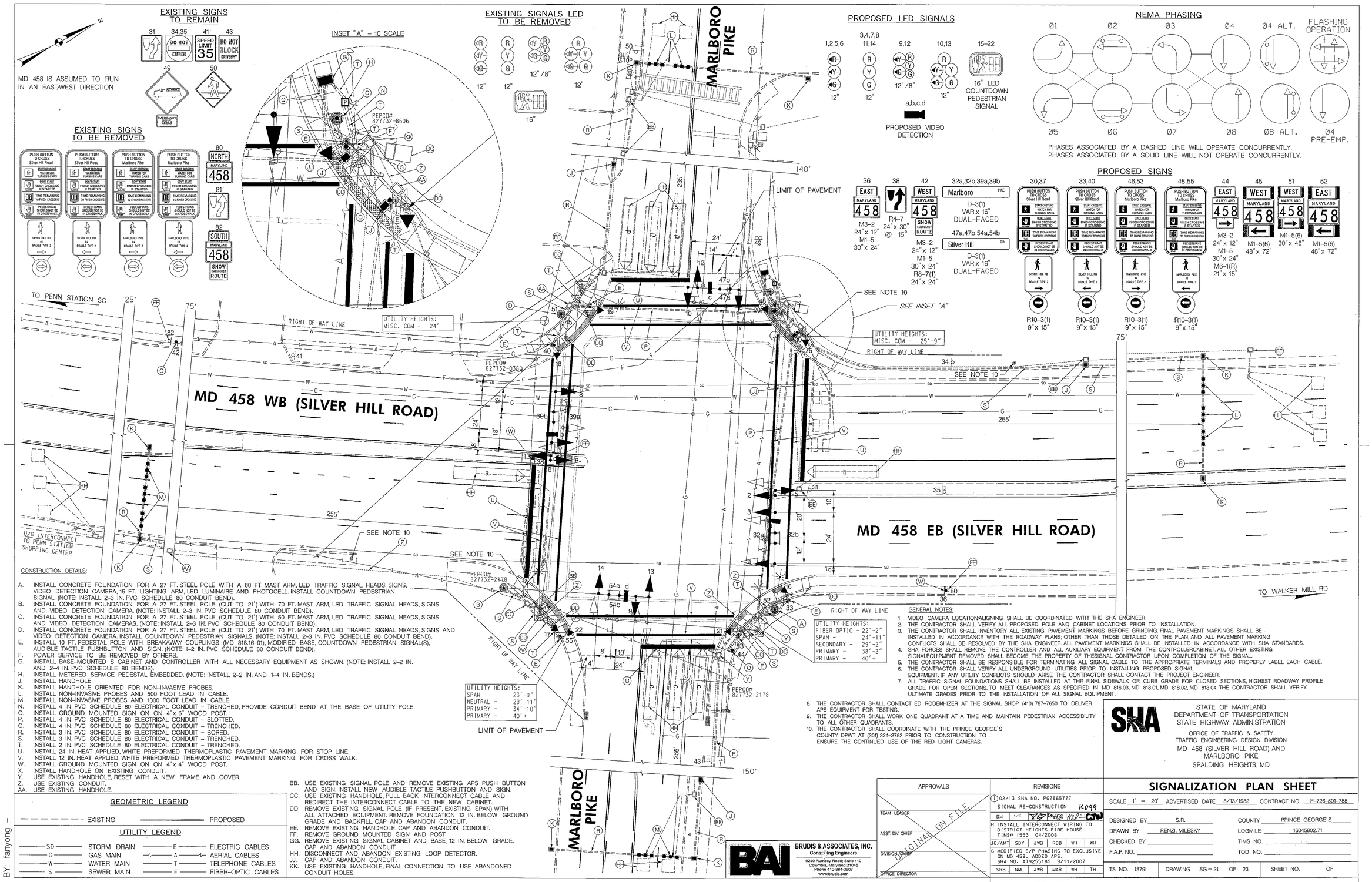

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 15 FT. LIGHTING ARM, LED LUMINAIRE AND PHOTOCELL. INSTALL COUNTDOWN PEDESTRIAN SIGNAL. (NOTE: INSTALL 2–3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE (CUT TO 21') WITH 70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA. (NOTE: INSTALL 2–3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE (CUT TO 21') WITH 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS. (NOTE: INSTALL 2–3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE (CUT TO 21') WITH 70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNALS. (NOTE: INSTALL 2–3 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. INSTALL 10 FT. PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16–01), MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNAL(S), AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1–2 IN. PVC SCHEDULE 80 CONDUIT BEND).
F. POWER SERVICE TO BE REMOVED BY OTHERS.
G. INSTALL BASE-MOUNTED S CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2–2 IN. AND 2–4 IN. PVC SCHEDULE 80 BENDS).
H. INSTALL METERED SERVICE PEDESTAL EMBEDDED. (NOTE: INSTALL 2–2 IN. AND 1–4 IN. BENDS.)
J. INSTALL HANDHOLE.
K. INSTALL HANDHOLE ORIENTED FOR NON-INVASIVE PROBES.
L. INSTALL NON-INVASIVE PROBES AND 500 FOOT LEAD IN CABLE.
M. INSTALL NON-INVASIVE PROBES AND 1000 FOOT LEAD IN CABLE.
N. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE.
O. INSTALL GROUND MOUNTED SIGN ON ON 4"x 6" WOOD POST.
P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – SLOTTED.
Q. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
R. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – BORED.
S. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
T. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
U. INSTALL 24 IN. HEAT APPLIED, WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
V. INSTALL 12 IN. HEAT APPLIED, WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
W. INSTALL GROUND MOUNTED SIGN ON ON 4"x 4" WOOD POST.
X. INSTALL HANDHOLE ON EXISTING CONDUIT.
Y. USE EXISTING HANDHOLE, RESET WITH A NEW FRAME AND COVER.
Z. USE EXISTING CONDUIT.
AA. USE EXISTING HANDHOLE.
BB. USE EXISTING SIGNAL POLE AND REMOVE EXISTING APS PUSH BUTTON AND SIGN. INSTALL NEW AUDIBLE TACTILE PUSHBUTTON AND SIGN.
CC. USE EXISTING HANDHOLE, PULL BACK INTERCONNECT CABLE AND REDIRECT THE INTERCONNECT CABLE TO THE NEW CABINET.
DD. REMOVE EXISTING SIGNAL POLE (IF PRESENT, EXISTING SPAN) WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL. CAP AND ABANDON CONDUIT.
EE. REMOVE EXISTING HANDHOLE. CAP AND ABANDON CONDUIT.
FF. REMOVE GROUND MOUNTED SIGN AND POST
GG. REMOVE EXISTING SIGNAL CABINET AND BASE, 12 IN. BELOW GRADE. CAP AND ABANDON CONDUIT.
HH. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
JJ. CAP AND ABANDON CONDUIT.
KK. USE EXISTING HANDHOLE, FINAL CONNECTION TO USE ABANDONED CONDUIT HOLES.

GENERAL NOTES:

1. VIDEO CAMERA LOCATIONALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL INVENTORY ALL EXISTING PAVEMENT MARKINGS BEFORE GRINDING. FINAL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADWAY PLANS; OTHER THAN THOSE DETAILED ON THE PLAN, AND ALL PAVEMENT MARKING CONFLICTS SHALL BE RESOLVED BY THE SHA ENGINEER. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
4. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLERCABINET. ALL OTHER EXISTING SIGNALEQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THESIGNAL CONTRACTOR UPON COMPLETION OF THE 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 THE 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 COORDINATE WITH THE PRINCE GEORGE'S COUNTY DPWT AT (301) 324–2752 PRIOR TO CONSTRUCTION TO ENSURE THE CONTINUED USE OF THE RED LIGHT CAMERAS.

GEOMETRIC LEGEND

EXISTING — PROPOSED

UTILITY LEGEND

SD	STORM DRAIN	E	ELECTRIC CABLES
G	GAS MAIN	A	AERIAL CABLES
W	WATER MAIN	T	TELEPHONE CABLES
S	SEWER MAIN	F	FIBER-OPTIC CABLES

BY: fanyong

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

REVISIONS
1 02/13 SHA NO. PG7865777 SIGNAL RE-CONSTRUCTION K099
DM
H INSTALL INTERCONNECT WIRING TO DISTRICT HEIGHTS FIRE HOUSE TIMS# 1553 04/2008
JG/AMT SDY JWB RDB WH WH
G MODIFIED E/P PHASING TO EXCLUSIVE ON MD 458. ADDED APS. SHA NO. AT9255185 9/11/2007
SRB NML JWB MAR WH TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 458 (SILVER HILL ROAD) AND MARLBORO PIKE
SPALDING HEIGHTS, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 8/13/1982 CONTRACT NO. P-726-501-785

DESIGNED BY S.R. COUNTY PRINCE GEORGE'S
DRAWN BY RENZI, MILESKY LOGMILE 16045802.71
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 1879I DRAWING SG-21 OF 23 SHEET NO. OF

PLOTTED: Tuesday, January 22, 2013 AT 08:45 AM
FILE: P:\09-002 TEDD\Task 102 MD 458 @ Marlboro\Drawings\CADD\Working\psSG-P001_MD458@MARLBORO.dgn