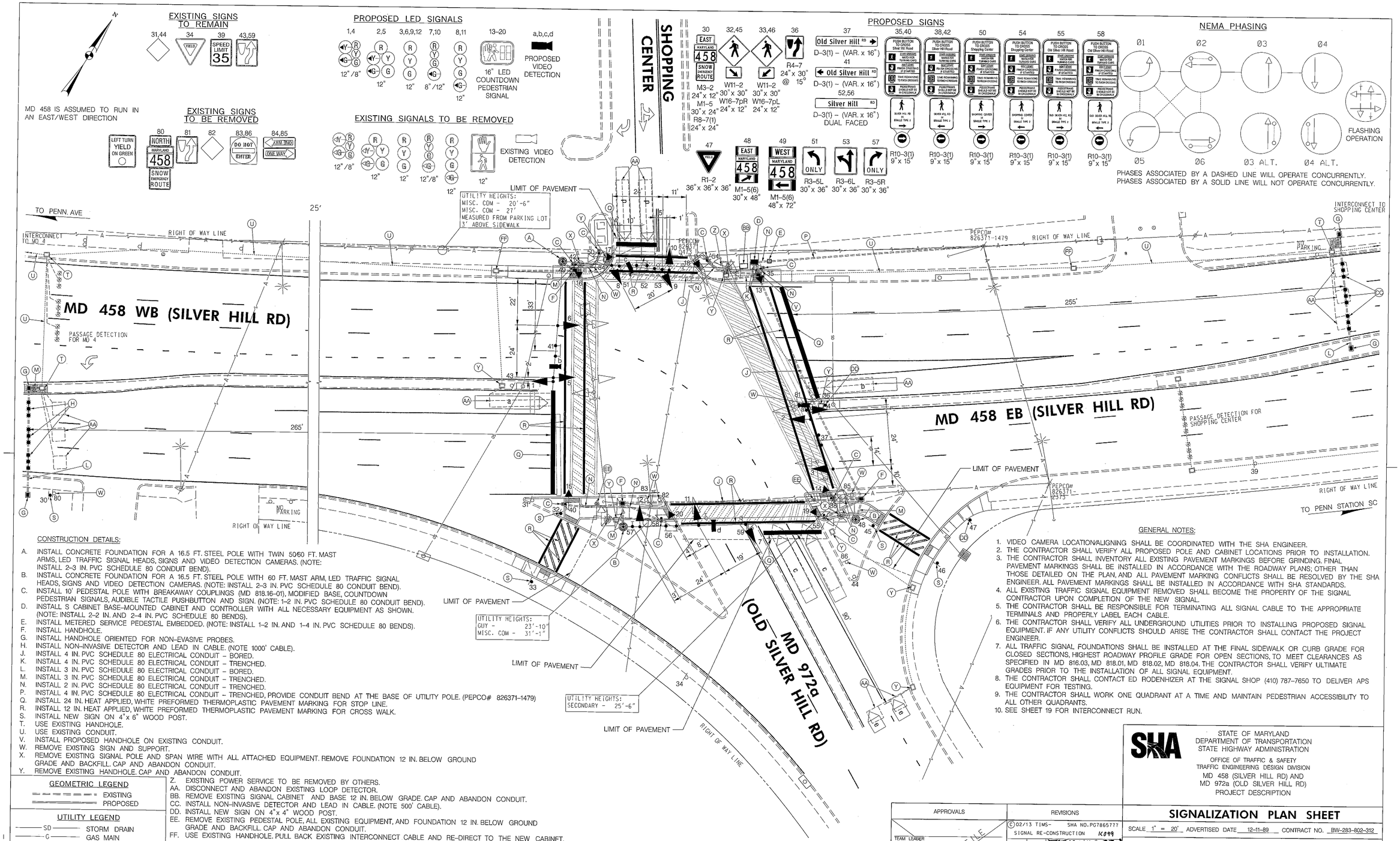

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH TWIN 50/60 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS. (NOTE: INSTALL 2–3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 60 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS. (NOTE: INSTALL 2–3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16–01), MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1–2 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL S CABINET BASE–MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2–2 IN. AND 2–4 IN. PVC SCHEDULE 80 BENDS).
E. INSTALL METERED SERVICE PEDESTAL EMBEDDED. (NOTE: INSTALL 1–2 IN. AND 1–4 IN. PVC SCHEDULE 80 BENDS).
F. INSTALL HANDHOLE.
G. INSTALL HANDHOLE ORIENTED FOR NON–EVASIVE PROBES.
H. INSTALL NON–INVASIVE DETECTOR AND LEAD IN CABLE. (NOTE 1000' CABLE).
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 – TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE. (PEPCO# 826371–1479)
Q. INSTALL 24 IN. HEAT APPLIED, WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
R. INSTALL 12 IN. HEAT APPLIED, WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
S. INSTALL NEW SIGN ON 4"x 6" WOOD POST.
T. USE EXISTING HANDHOLE.
U. USE EXISTING CONDUIT.
V. INSTALL PROPOSED HANDHOLE ON EXISTING CONDUIT.
W. REMOVE EXISTING SIGN AND SUPPORT.
X. REMOVE EXISTING SIGNAL POLE AND SPAN WIRE WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL. CAP AND ABANDON CONDUIT.
Y. REMOVE EXISTING HANDHOLE. CAP AND ABANDON CONDUIT.
Z. EXISTING POWER SERVICE TO BE REMOVED BY OTHERS.
AA. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
BB. REMOVE EXISTING SIGNAL CABINET AND BASE 12 IN. BELOW GRADE. CAP AND ABANDON CONDUIT.
CC. INSTALL NON–INVASIVE DETECTOR AND LEAD IN CABLE. (NOTE 500' CABLE).
DD. INSTALL NEW SIGN ON 4"x 4" WOOD POST.
EE. REMOVE EXISTING PEDESTAL POLE, ALL EXISTING EQUIPMENT, AND FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL. CAP AND ABANDON CONDUIT.
FF. USE EXISTING HANDHOLE. PULL BACK EXISTING INTERCONNECT CABLE AND RE–DIRECT TO THE NEW CABINET.

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. 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. 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 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. SEE SHEET 19 FOR INTERCONNECT RUN.

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 CABLES

BY: fanyong

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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

© 02/13 TIMS– SHA NO. PG7865777
SIGNAL RE-CONSTRUCTION K099
DM | | TS-PG-K099 MD-CJW
B. 11/95 – INSTALLED SIDE STREET SPLIT & MODIFIED LANE ASSIGNMENTS
W.M. | DJD | DAZ | | BRK | TH
A. 11/95
AS-BUILT
W.M.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 458 (SILVER HILL RD) AND
MD 972a (OLD SILVER HILL RD)
PROJECT DESCRIPTION

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 12–11–89 CONTRACT NO. BW–283–802–312

DESIGNED BY R.R. ZACHERL (for STS) COUNTY PRINCE GEORGE'S
DRAWN BY S.R. BARANOWSKI (for STS) LOGMILE 16045802.40
CHECKED BY D.J. DODA TIMS NO. -
F.A.P. NO. TOD NO.

TS NO. 2615C DRAWING SG – 17 OF 23 SHEET NO. OF

PLOTTED: Thursday, January 17, 2013 AT 11:47 AM
FILE: P:\09-002 TEOD\Task 101 MD 458 @ MD 972A\Drawings\CADD\Working\pSG-P001_MD458@MD972a.dgn