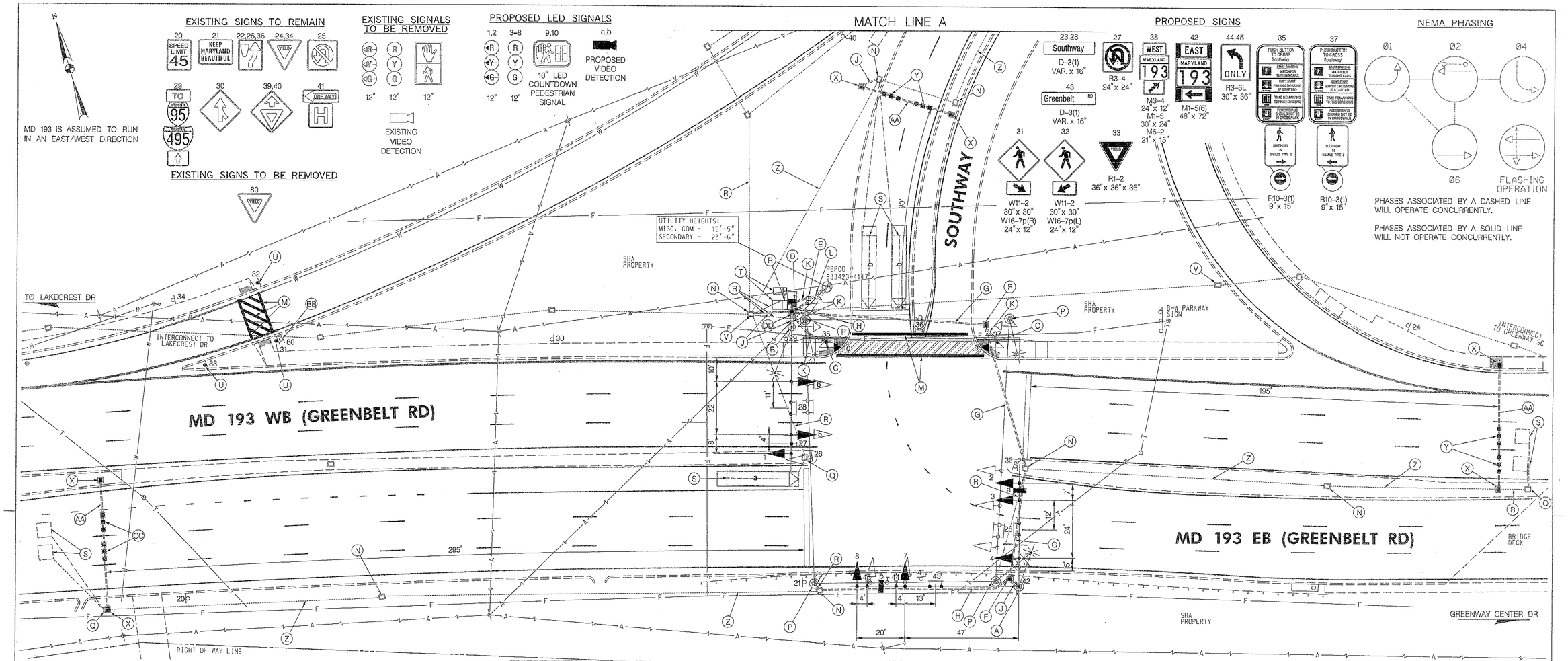
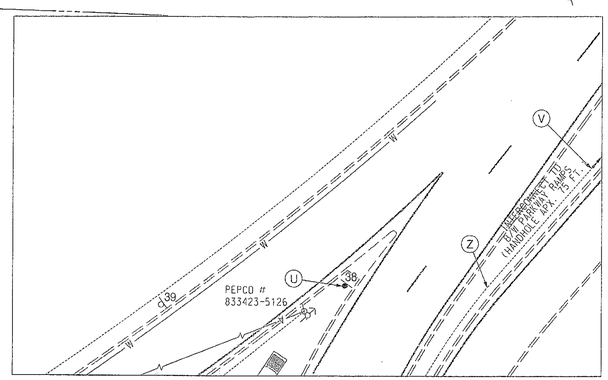


CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH TWIN 50/70 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS, 15 FT LIGHTING ARM, LED LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. AND 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 60 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGN, 20 FT LIGHTING ARM, LED LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. AND 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL NEMA 'S' BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 BENDS). SEE GENERAL NOTE 10.
E. INSTALL METERED SERVICE PEDESTAL EMBEDDED.
F. INSTALL HANDHOLE.
G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT BASE OF UTILITY POLE.
M. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
N. USE EXISTING HANDHOLE.
P. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT AND SIGNS. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL. REMOVE EXISTING POWER FEED.
Q. REMOVE EXISTING HANDHOLE.
R. CAP AND ABANDON EXISTING CONDUIT.
S. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
T. REMOVE EXISTING SIGNAL CABINET 12 IN. BELOW GRADE.
U. INSTALL GROUND MOUNTED SIGN WITH ONE 4" x 6" WOODEN POST.
V. PULL BACK INTERCONNECT CABLE TO EXISTING HANDHOLE AND REDIRECT INTERCONNECT TO THE NEW CABINET.
W. INSTALL NEW HANDHOLE ON EXISTING CONDUIT ORIENTED FOR NON-INVASIVE PROBES
X. INSTALL HANDHOLE ORIENTED FOR NON-INVASIVE PROBES.
Y. INSTALL NON-INVASIVE DETECTOR AND LEAD-IN CABLE. (NOTE 500' CABLE).
Z. USE EXISTING CONDUIT.
AA. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
BB. REMOVE EXISTING SIGN AND POST.
CC. INSTALL NON-INVASIVE DETECTOR AND LEAD-IN CABLE. (NOTE 1000' CABLE).
DD. INSTALL HANDHOLE ON EXISTING CONDUIT.



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 PAVEMENT MARKINGS BEFORE GRINDING, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
4. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. ALL OTHER EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL 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 PROPOSED CONTROLLER FOR THIS INTERSECTION IS TO BE THE MASTER LOCAL.

REDLINE 1

ADDITION OF SIGNAL TO PROJECT PG8925177

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
F 09/12 TIMS-L274 SHA NO. PG8925177 SIGNAL RE-CONSTRUCTION
CW MAF 9/26/12
E 7-22-92 INSTALL NEW DETECTION DUE TO MEDIAN CUT BACK
PRE
D 5/88 RELOC. SIG. EQUIP. DUE TO GEOM IMPR SHA NO 855-16044
CRP

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 193 (GREENBELT RD) AND SOUTHWAY
GREENBELT, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 1-10-72 CONTRACT NO. P-255X-37J

DESIGNED BY H.J.REINHART
DRAWN BY H.J.REINHART
CHECKED BY J.SPENCE
F.A.P. NO.

COUNTY PRINCE GEORGE'S
LOGMILE 16019306.82
TIMS NO.
TOD NO.

TS NO. 252F | DRAWING SG-1 OF 2 | SHEET NO. 22 OF 26

PLOTTED: Monday, November 12, 2012 AT 02:24 PM
FILE: P:\09-C02 TECD\Task 94 MD 193 Rhode Island Ave to Southway\Drawings\CADD\Working\MD193@Southway\pSG-F001_MD193@Southway.dgn