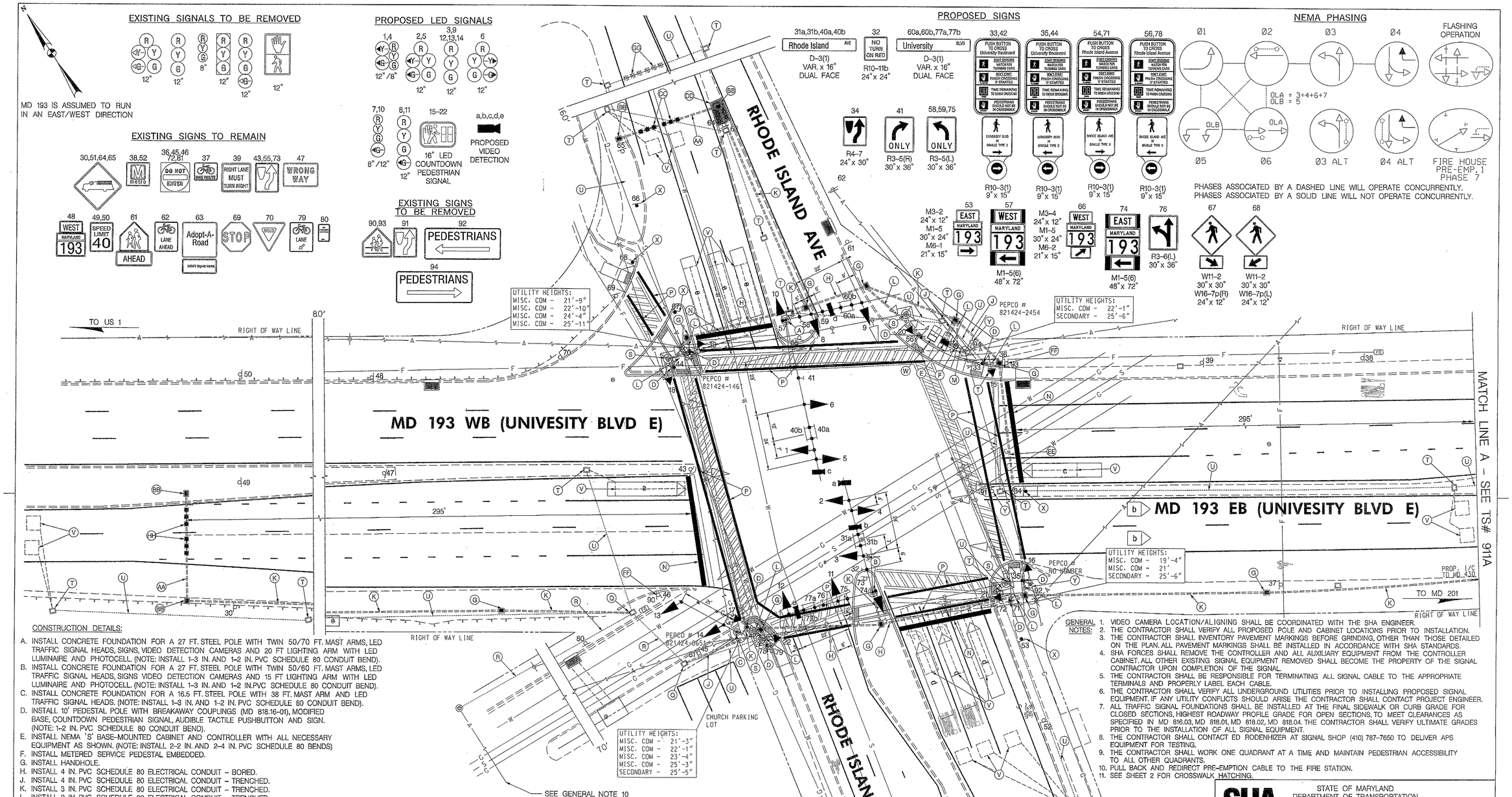

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH TWIN 50/70 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS AND 20 FT LIGHTING ARM WITH 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 TWIN 50/60 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, SIGNS VIDEO DETECTION CAMERAS AND 15 FT LIGHTING ARM WITH LED LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1–3 IN. AND 1–2 IN.PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 38 FT. MAST ARM AND LED TRAFFIC SIGNAL HEADS. (NOTE: INSTALL 1–3 IN. AND 1–2 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16–01), MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: 1–2 IN. PVC SCHEDULE 80 CONDUIT BEND).
E. 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)
F. INSTALL METERED SERVICE PEDESTAL EMBEDDED.
G. INSTALL HANDHOLE.
H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – BORED.
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
K. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
L. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED.
M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE.
N. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
P. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
Q. USE EXISTING HANDHOLE.
R. USE EXISTING CONDUIT.
S. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED SIGNS AND EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
T. REMOVE EXISTING HANDHOLE.
U. CAP AND ABANDON EXISTING CONDUIT.
V. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
W. REMOVE EXISTING SIGNAL CABINET 12 IN. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
X. INSTALL NEW GROUND MOUNTED SIGN ON ONE 4"x 6" WOODEN POST.
Y. REMOVE EXISTING SIGN AND POST(S).
Z. INSTALL NEW HANDHOLE ON EXISTING CONDUIT ORIENTED FOR NON-INVASIVE PROBES.
AA. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – BORED.
BB. INSTALL HANDHOLE ORIENTED FOR NON-EVASIVE PROBES.
CC. INSTALL NON-INVASIVE DETECTOR AND LEAD IN CABLE. (NOTE 500' CABLE).
DD. REMOVE CONCRETE MEDIAN/SIDEWALK SECTION, INSTALL HANDHOLE AND REPLACE CONCRETE AS NEEDED
EE. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT – SLOTTED.
FF. REMOVE EXISTING SIGN FROM POST.
GG. DISCONNECT AND REMOVE NON-INVASIVE PROBES.
HH. INSTALL NON-INVASIVE DETECTOR AND LEAD IN CABLE. (NOTE 1000' CABLE).

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 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. PULL BACK AND REDIRECT PRE-EMPTION CABLE TO THE FIRE STATION.
11. SEE SHEET 2 FOR CROSSWALK HATCHING.

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

B 09/12 TIMS-I-274 SHA NO. PG8925177
SIGNAL RE-CONSTRUCTION
CW
A INSTALL PED INDICATIONS ON WEST LEG MD 193/REPLACE LOOPS 7/92
MEL

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 193(UNIVERSITY BLVD E) AND
RHODE ISLAND AVE
COLLEGE PARK, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 5-4-73 CONTRACT NO. P-385-001-385

DESIGNED BY STEVE RENZI
DRAWN BY J.GORDON
CHECKED BY
F.A.P. NO. M-5018(3)
COUNTY PRINCE GEORGE'S
LOGMILE 16019304.44
TIMS NO.
TOD NO.

TS NO. 905B | DRAWING SG-1 OF 3 | SHEET NO. 1 OF 26

PLOTTED: Monday, November 12, 2012 AT 01:47 PM
FILE: P:\09-002 TEDD\Task 94 MD 193 Rhode Island Ave to Southway\Drawings\CADD\Working\MD193@RI_GB\pSG-P001_MD193@RI_GB.dgn