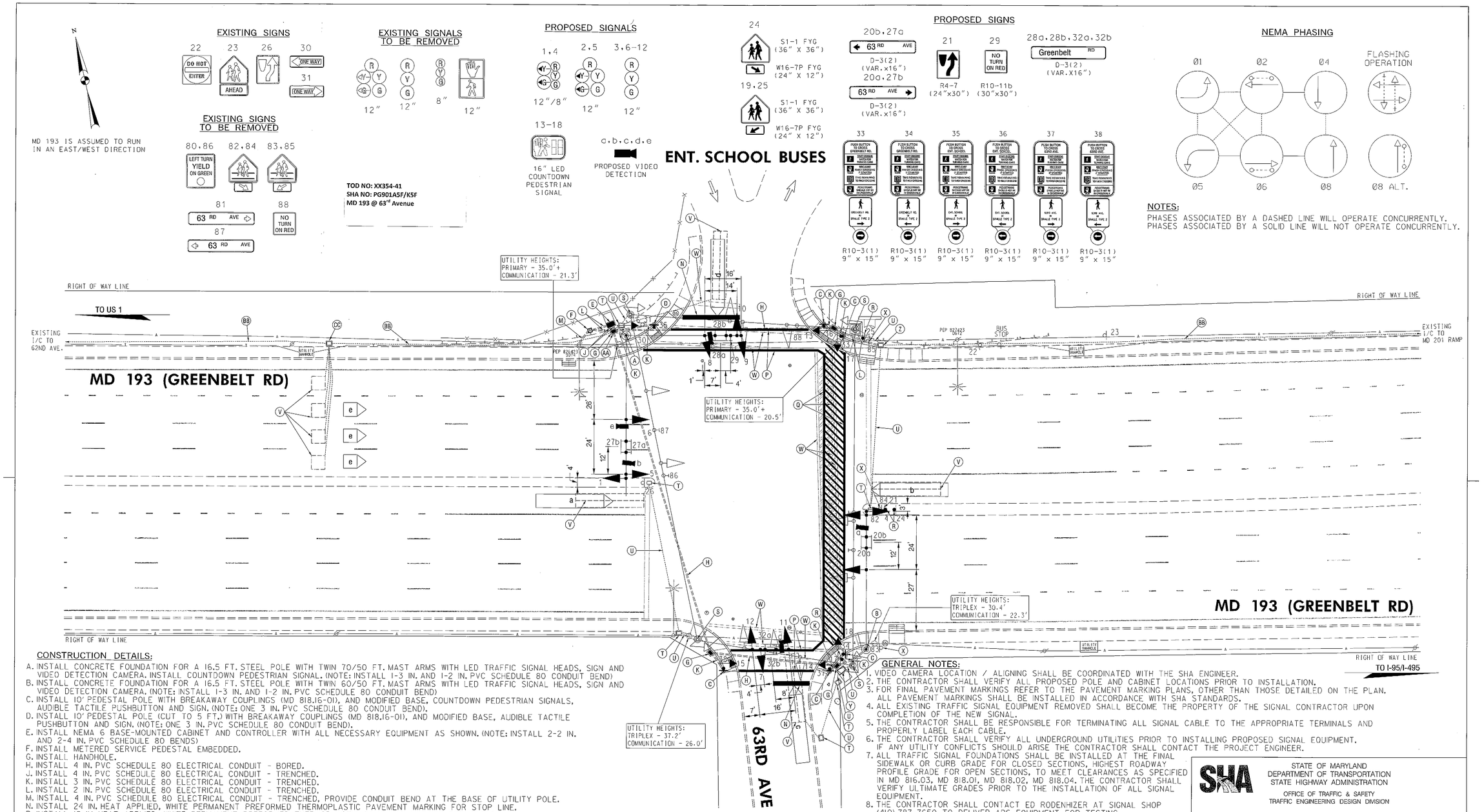

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH TWIN 70/50 FT. MAST ARMS WITH LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNAL. (NOTE: INSTALL 1-3 IN. AND 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND)
B. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH TWIN 60/50 FT. MAST ARMS WITH LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA. (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), AND MODIFIED BASE. COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL 10' PEDESTAL POLE (CUT TO 5 FT.) WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE. AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 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.
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. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH HATCHING IN PLACE FOR CROSS WALK.
R. INSTALL GROUND MOUNTED SIGN WITH 4 IN. X 4 IN. WOOD SUPPORT.
S. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED 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 PAVEMENT MARKING.
X. REMOVE EXISTING SIGN AND POST.
Y. REMOVE EXISTING SIGNAL CABINET 12 IN. BELOW GRADE.
Z. DISCONNECT I/C FROM EXISTING CABINET, PULL BACK TO EXISTING HANDHOLE. REDIRECT TO THE NEW CABINET AND TERMINATE CABLE ENDS.
AA. SET NEW HANDHOLE ON EXISTING CONDUIT WITH INTERCONNECT CABLE. PULL BACK AND REDIRECT EXISTING INTERCONNECT CABLE TO THE NEW CABINET.
BB. USE EXISTING CONDUIT.
CC. USE EXISTING HANDHOLE.

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.

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: john –

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

REVISIONS
8/10 TIMS NO. K019 SHA NO. XX3545168R RECONSTRUCT TRAFFIC SIGNALS. UPGRADE TO APS/CPS AND ADA HANDICAP RAMPS
XM
A 6/85 SHA NO. P-474-501-371 REDRAWN & REDESIGNED FOR NEW GEOMETRICS
HF

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

MD 193 (GREENBELT RD) AT 63RD AVE
BERWYN HEIGHTS, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 2/75 CONTRACT NO. P-474-501-371

DESIGNED BY
DRAWN BY H FLOYD
CHECKED BY P R
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16019305.58
TIMS NO.
TOD NO.

TS NO. 1279B DRAWING – OF SHEET NO. 1 OF 3

PLOTTED: Monday, March 21, 2011 AT 02:57 PM
FILE: P:\09-002 TEDD\Task 14 MD 193 @ 63rd Ave\Drawings\CADD\Working\pSG-P001_MD193@63rdAve.dgn