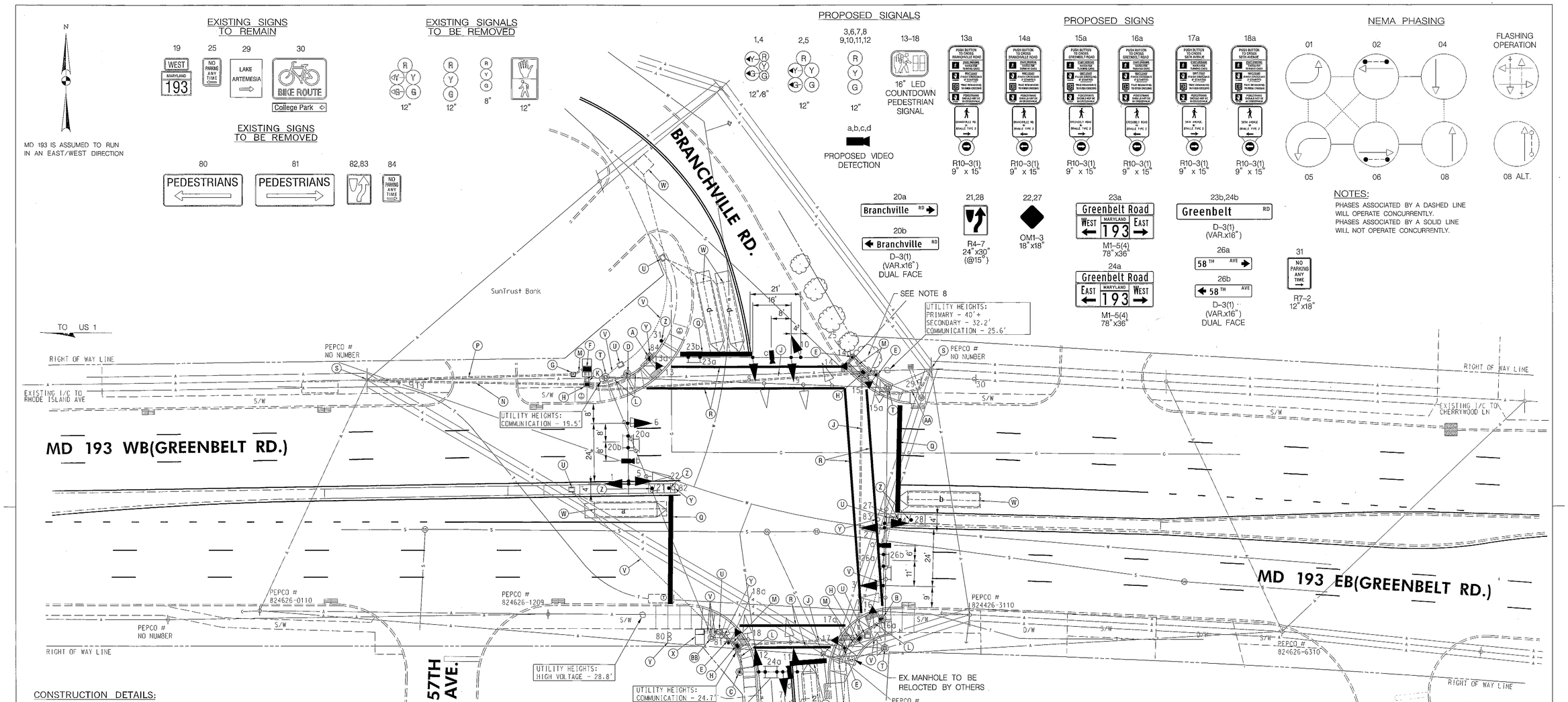

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 70 FT. MAST ARM WITH LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 50 FT. MAST ARM WITH LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA. INSTALL COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 38 FT. (CUT TO 30')MAST ARM WITH LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA AND SIGN. (NOTE: INSTALL 1-3 IN. AND PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 50 FT. MAST ARM WITH LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA AND SIGN. (NOTE: INSTALL 1-3 IN. AND PVC SCHEDULE 80 CONDUIT BEND).
E. 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).
F. INSTALL NEMA SIZE "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)
G. INSTALL METERED SERVICE PEDESTAL EMBEDDED.
H. INSTALL HANDHOLE.
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
N. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT, PROVIDE CONDUIT BEND AT THE BASE OF THE UTILITY POLE WITH PULL STRING - BORED
P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT, PROVIDE CONDUIT BEND AT THE BASE OF THE UTILITY POLE WITH PULL STRING - BORED
Q. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
R. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
S. PULL BACK INTERCONNECT CABLE, DEAD END THEN RUN DOWN WOOD POLE USING A 3" ELECTRICAL PVC RISER.
T. REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
U. REMOVE EXISTING HANDHOLE.
V. CAP AND ABANDON EXISTING CONDUIT.
W. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
X. REMOVE EXISTING SIGNAL CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
Y. REMOVE EXISTING SIGN AND POST.
Z. INSTALL GROUND MOUNTED SIGN WITH 4 IN. x 4 IN. WOOD SUPPORT.
AA. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT, PROVIDE CONDUIT BEND AT THE BASE OF THE UTILITY POLE WITH PULL STRING - TRENCHED
BB. TERMINATE SERVICE TO CABINET, REMOVE EX. SERVICE EQUIPMENT, SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. 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.
3. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. ALL OTHER EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. VIDEO CAMERA LOCATION/ALIGNMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
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. SELECTIVE TREE REMOVAL/TRIMMING MAY BE REQUIRED.

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: chuck

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

REVISIONS
(A) 3/12 TIMS-J910 SHA NO. PC8925177 RECONSTRUT TRAFFIC SIGNAL, UPGRADE TO APS/CPS AND ADA RAMPS.
CW | MF | NLG 2/14

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

MD 193 (GREENBELT RD.) AT 58TH AVE./BRANCHVILLE RD.
BERWYN HEIGHTS, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 6/24/74 CONTRACT NO. P-385-001-385

DESIGNED BY STEVE RENZI
DRAWN BY B TYSON
CHECKED BY
F.A.P. NO. M-5018(3)
COUNTY PRINCE GEORGE'S
LOGMILE 16019305.04
TIMS NO.
TOD NO.

TS NO. 1177A | DRAWING SG-1 OF 3 | SHEET NO. OF

PLOTTED: Monday, March 12, 2012 AT 11:24 AM
FILE: P:\08-002 TEDD\Task 40 MD 193 @ 58th Ave\Drawings\CADD\Working\p8G-P001_MD193@58thAve.dgn