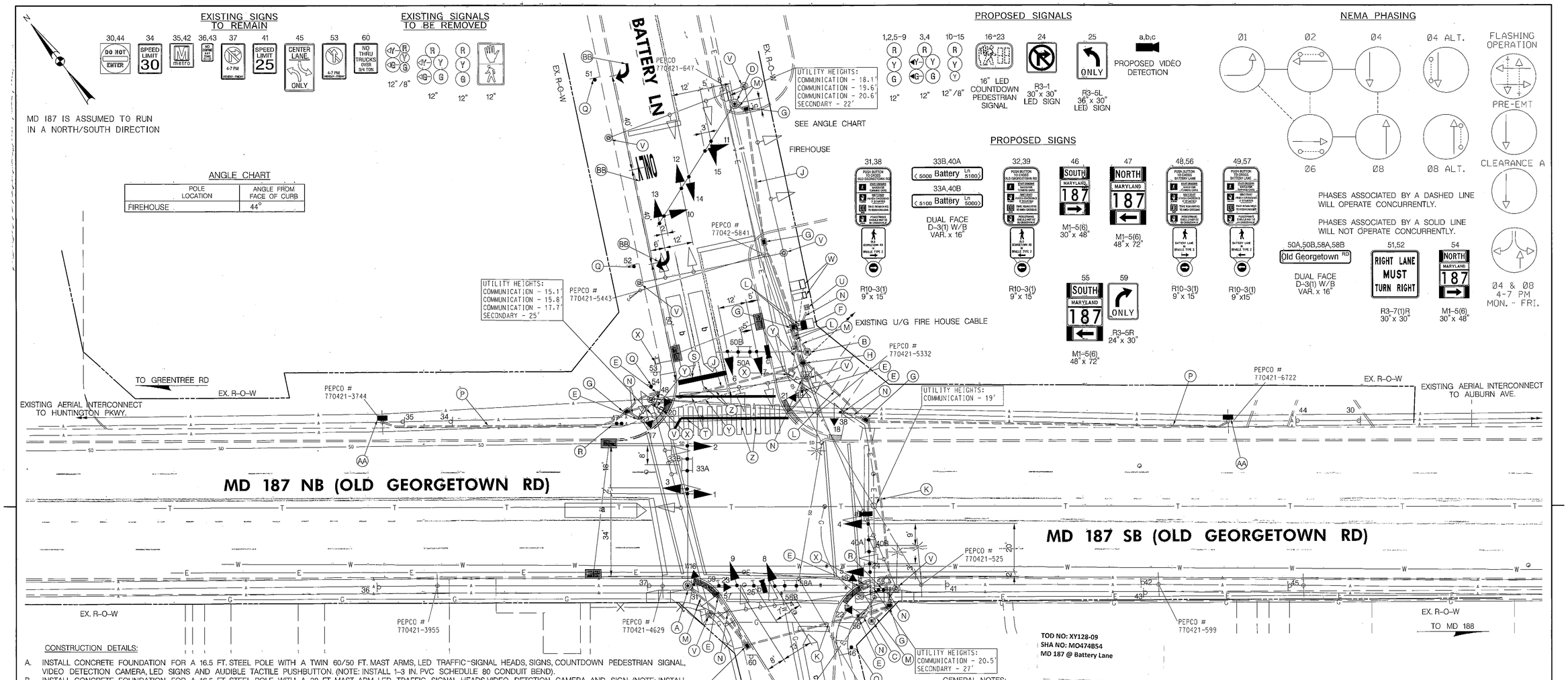

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A TWIN 60/50 FT. MAST ARMS, LED TRAFFIC-SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL, VIDEO DETECTION CAMERA, LED SIGNS AND AUDIBLE TACTILE PUSHBUTTON. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A 38 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS,VIDEO DETCTION CAMERA AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, LED SIGNS AND SIGNS. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
D. INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH A 60 FT. MAST ARM AND LED TRAFFIC SIGNAL HEADS. (NOTE: INSTALL 1-3 IN. 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 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 HANDHOLE.
H. INSTALL HANDHOLE ON EXISTING CONDUIT, PULL BACK FIRE HOUSE CABLE AND RE-ROUTE TO THE NEW CABINET.
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
N. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE.
Q. INSTALL GROUND MOUNTED SIGN ON ONE 4"X6" WOODEN POST.
R. INSTALL GROUND MOUNTED SIGN ON TWO 4"X6" WOODEN POSTS.
S. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
T. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
U. USE EXISTING POWER PEDESTRAL AND RE-ROUTE EXISTING POWER FEED TO THE NEW CABINET.
V. REMOVE EXISTING SIGNAL POLE, SPAN WITH ALL ATTACHED EQUIPMENT AND EXISTING POWER SERVICE. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
W. REMOVE EXISTING SIGNAL CABINET. REMOVE FOUNDATION 18 IN. BELOW GROUND GROUND GRADE AND BACKFILL.
X. REMOVE EXISTING HANDHOLE.
Y. CAP AND ABANDON EXISTING CONDUIT.
Z. REMOVE EXISTING PAVEMENT MARKING.
AA. PULL BACK INTERCONNECT CABLE, DEAD END AND RUN DOWN WOOD POLE USING A 3" ELECTRICAL CONDUIT PVC RISER, 3" WEATHER HEAD AND INSTALL NEW INTERCONNECT TO THE NEW CABINET. SPLICE BOX INSTALLED BE MONTGOMERY COUNTY.
BB. INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. 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 SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. 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.
6. 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.
7. THE CONTRACTOR SHALL CONTACT BOB RICKETTS AT THE MONTGOMERY COUNTY TECHNICAL CENTER (240) 876-3681 TO DELIVER APS EQUIPMENT FOR TESTING.
8. THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.
9. THE CONTRACTOR SHALL CONTACT MR. KAMAL HAMUD (240) 777-8761 AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
10. THE CONTRACTOR WILL BACK "GUY" THE EXISTING SIGNAL POLE IN THE SE CORNER PRIOR TO CONSTRUCTION.
11. LED BLANKOUT SIGNS 24 AND 25 OPERATE MONDAY THRU FRIDAY 4-7 PM.

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: Robert

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APPROVALS	REVISIONS
TEAM LEADER	12/12 TIMS-K613 SHA NO. XY1285185 SIGNAL RE-CONSTRUCTION
ASST. DIV. CHIEF	DM
DIVISION CHIEF	
OFFICE DIRECTOR	

ORIGINAL ON FILE

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 187 (OLD GEORGETOWN ROAD) AND BATTERY LANE
BETHESDA, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 06/2010 CONTRACT NO. MO2215177

DESIGNED BY SC COUNTY MONTGOMERY
DRAWN BY MZ LOGMILE 15018700.83
CHECKED BY SP 3/14/13 TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 3135A | DRAWING SG -1 OF 2 | SHEET NO. 1 OF 3

PLOTTED: Tuesday, April 16, 2013 AT 08:14 AM
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