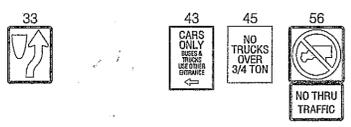
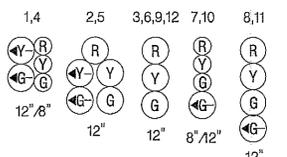


MD 193 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

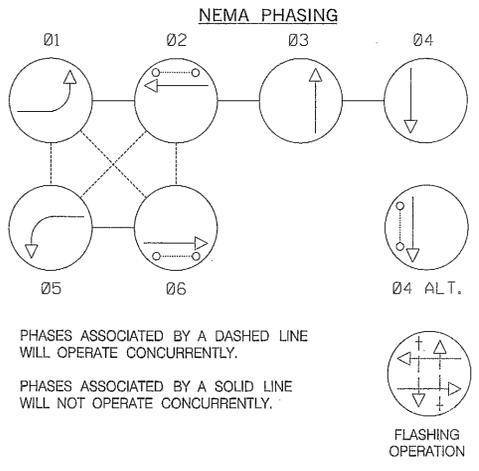
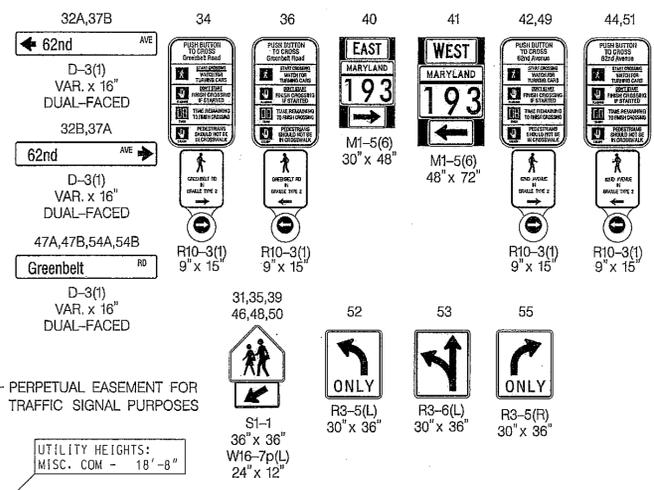
EXISTING SIGNS TO REMAIN



PROPOSED LED SIGNALS



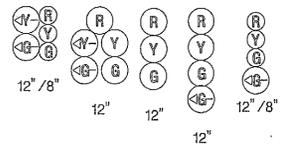
PROPOSED SIGNS



EXISTING SIGNS TO BE REMOVED



EXISTING SIGNALS TO BE REMOVED



13-18



PROPOSED VIDEO DETECTION

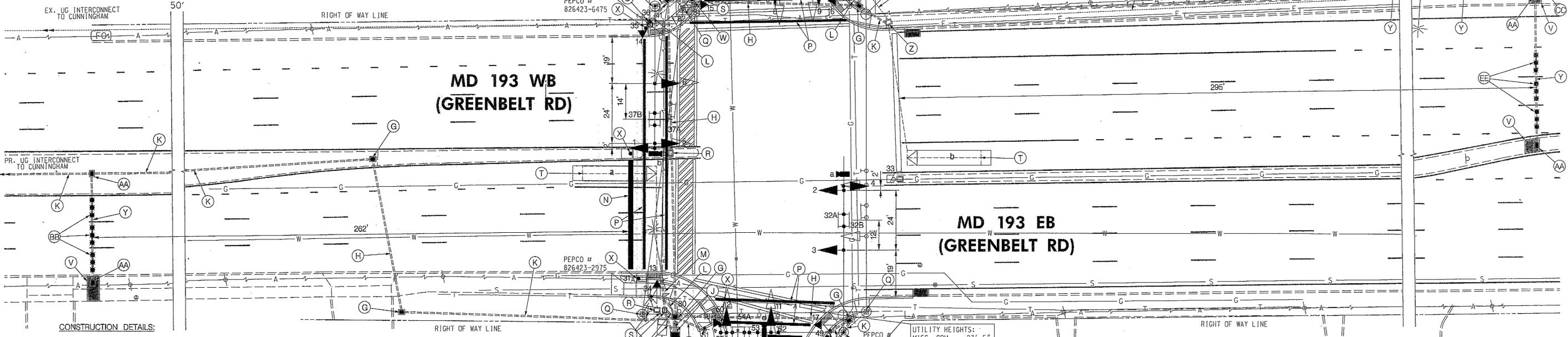
PERPETUAL EASEMENT FOR TRAFFIC SIGNAL PURPOSES

PERPETUAL EASEMENT FOR TRAFFIC SIGNAL PURPOSES

UTILITY HEIGHTS:
MISC. COM - 18'-8"

UTILITY HEIGHTS:
MISC. COM - 21'-6"
SECONDARY - 25'-1"

UTILITY HEIGHTS:
MISC. COM - 23'-5"

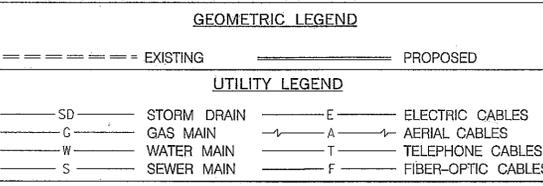


- CONSTRUCTION DETAILS:**
- INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH TWIN 50/70 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS. (NOTE: INSTALL 1-3 IN. AND 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 60 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-3 IN. AND 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - INSTALL CONCRETE FOUNDATION FOR A 16.5 FT. STEEL POLE WITH 38 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGN AND VIDEO DETECTION CAMERA. (NOTE: INSTALL 1-3 IN. AND 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - 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).
 - 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).
 - INSTALL METERED SERVICE PEDESTAL EMBEDDED.
 - INSTALL HANDHOLE.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT THE BASE OF UTILITY POLE.
 - INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
 - INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
 - REMOVE EXISTING SIGNAL POLE AND SPAN WITH ALL ATTACHED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL.
 - REMOVE EXISTING HANDHOLE.
 - CAP AND ABANDON EXISTING CONDUIT.
 - DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
 - REMOVE EXISTING SIGNAL CABINET 12 IN. BELOW GRADE.
 - REMOVE SIDEWALK SLAB, INSTALL HANDHOLE AND REPLACE CONCRETE AS NEEDED.
 - REMOVE EXISTING SIGN AND POST.
 - INSTALL GROUND MOUNTED SIGN WITH ONE 4"x8" WOODEN POST.

- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED
- PULL BACK INTERCONNECT CABLE TO EXISTING HANDHOLE, REDIRECT INTERCONNECT TO THE NEW CABINET.
- INSTALL HANDHOLE ORIENTED FOR NON-EVASIVE PROBES.
- INSTALL NON-INVASIVE DETECTOR AND LEAD IN CABLE. (NOTE 500' CABLE).
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- INSTALL NON-INVASIVE DETECTOR AND LEAD IN CABLE. (NOTE 1000' CABLE).

GENERAL NOTES:

- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 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.
- 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.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 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.
- 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 MD816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL CONTACT ED RODENHIZER AT THE SIGNAL SHOP (410) 787-7650 TO DELIVER APS EQUIPMENT FOR TESTING.
- THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.



REDLINE 1
ADDITION OF SIGNAL TO PROJECT PG8925177

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 193 (GREENBELT RD) AND
62ND AVE
BERWYN HEIGHTS, MD

APPROVALS	REVISIONS
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>09/12/12 TMS-1274 SHA NO. PG8925177 SIGNAL RE-CONSTRUCTION</p> <p>CW [Signature] 5/83</p> <p>B [Signature] 12/86 INSTALL PED INDICATION AND PUSHBUTTONS NORTH LEG OF MD 193</p> <p>A [Signature] 12/86 PROVIDE SIDE STREET SPLIT PHASING</p>

SIGNALIZATION PLAN SHEET			
SCALE 1" = 20'	ADVERTISED DATE 9/11/75	CONTRACT NO. P-385-001-385	
DESIGNED BY STEVE RENZI	COUNTY PRINCE GEORGE'S		
DRAWN BY WILLIAM BUDNICHUK, JR.	LOGMILE 16019305.45		
CHECKED BY	TMS NO.		
F.A.P. NO. M-1018(3)	TOD NO.		
TS NO. 763C	DRAWING SG-1	OF 2	SHEET NO. 9 OF 26

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