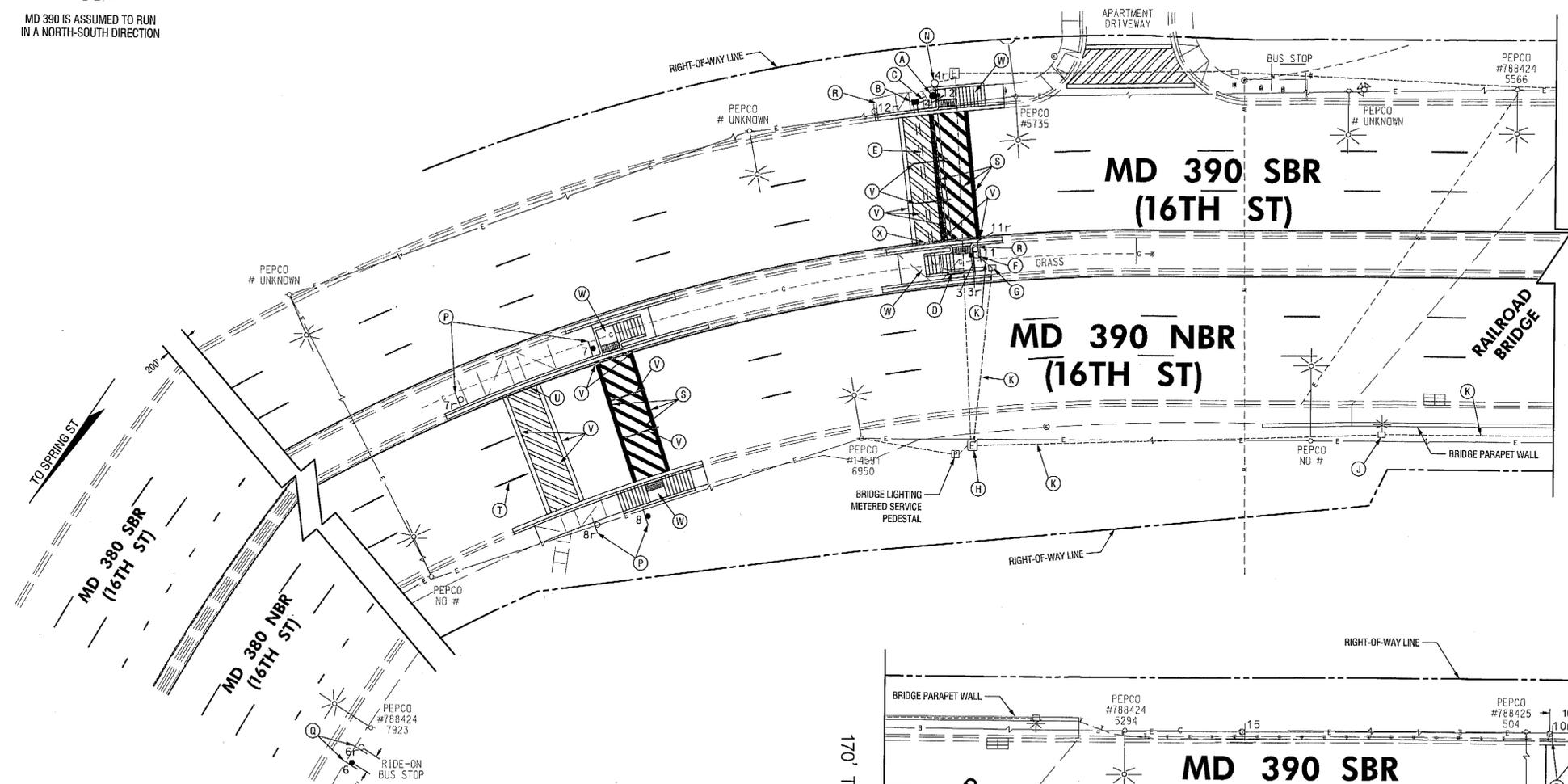
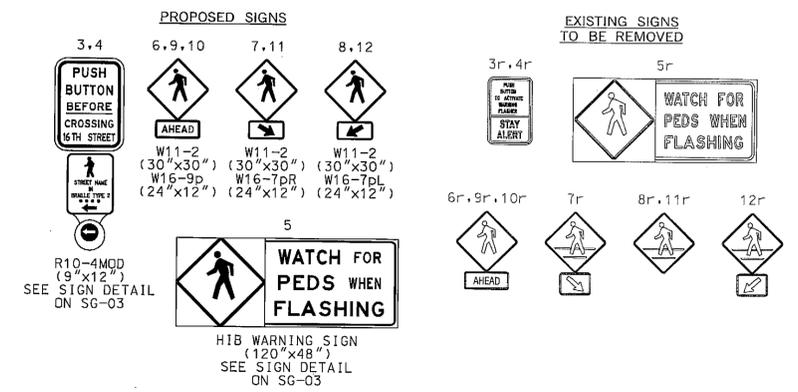
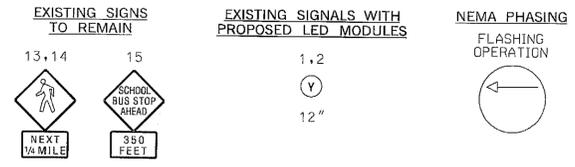


MD 390 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



170' TO BREAK LINE THIS SHEET



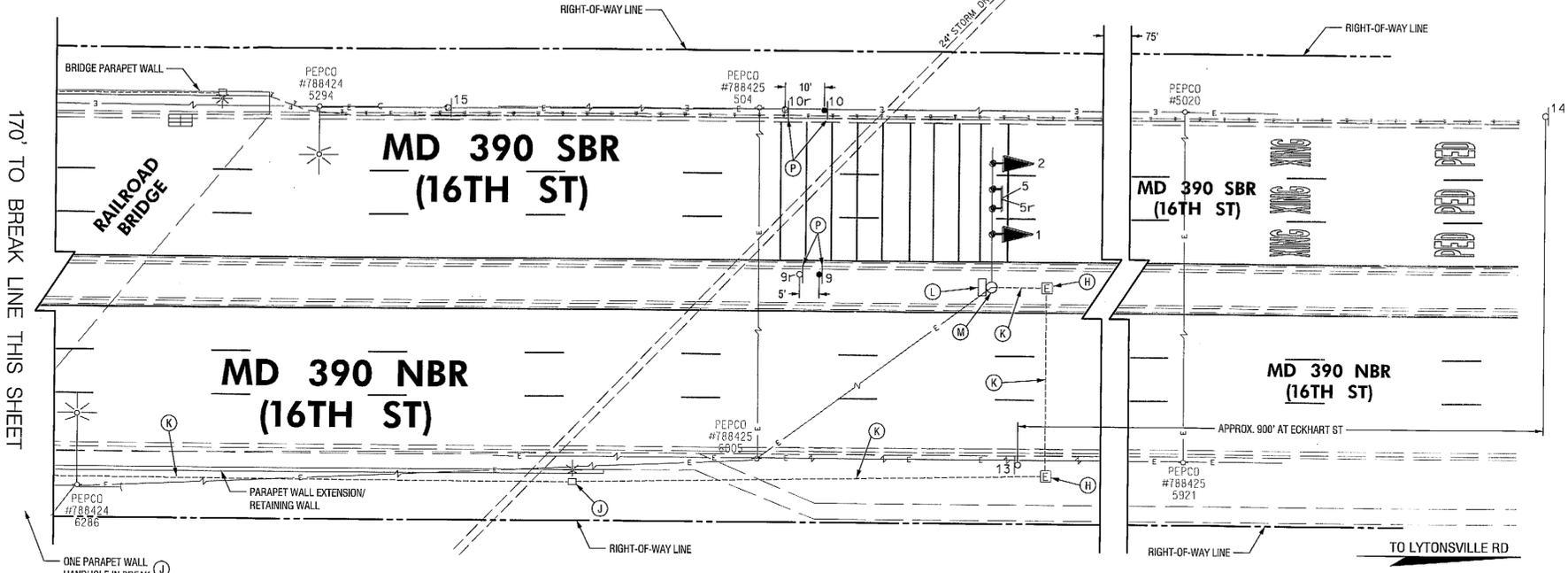
TOD NO: XY224-05  
SHA NO: MO145B51  
MD 390 @ Suburban Tower Apartments

**CONSTRUCTION DETAILS**

- INSTALL 14 FT. PEDESTAL POLE ON TRANSFORMER BASE AND STANDARD FOUNDATION (MD 801.01), MODEL 'X' AUDIBLE-TACTILE PUSHBUTTON AND SIGNS (NOTE: INSTALL 1-3 IN. 90° PVC CONDUIT BEND).
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80 PVC CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80 PVC CONDUIT (SLOTTED).
- USE EXISTING 14 FT. PEDESTAL POLE AND REMOVE EXISTING PUSHBUTTON AND SIGN. INSTALL MODEL 'X' AUDIBLE-TACTILE PUSHBUTTON AND SIGNS.
- USE EXISTING HANDHOLE.
- USE EXISTING MANHOLE.
- USE EXISTING PARAPET WALL HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING CABINET AND CONTROLLER. INSTALL MODEL 'X' CONTROLLER INTO CABINET.
- USE EXISTING SIGNAL POLE. REMOVE EXISTING SIGNAL HEAD MODULES AND INSTALL LED MODULES. REMOVE EXISTING MAST ARM MOUNTED SIGN AND INSTALL PROPOSED SIGN IN THE SAME LOCATION.
- REMOVE EXISTING PEDESTAL POLE AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING SIGN AND POST. INSTALL PROPOSED GROUND MOUNTED SIGN ON ONE 4 IN. X 6 IN. BREAKAWAY WOOD POST.
- REMOVE EXISTING SIGN AND POST. INSTALL PROPOSED GROUND MOUNTED SIGN ON ONE 4 IN. X 6 IN. BREAKAWAY WOOD POST. RELOCATE EXISTING RIDE-ON BUS STOP SIGN TO THE NEW POST. SEE GENERAL NOTE 3 FOR DETAILS.
- REMOVE EXISTING SIGN AND POST.
- INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR LANE LINE (ONE 10 FT. SKIP). TIE INTO EXISTING LANE LINE.
- INSTALL 5 IN. YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR EDGE LINE (SOLID).
- REMOVE EXISTING MARKING.
- INSTALL RAMP PER DETAIL SHEET.
- PATCH EXISTING 5 IN. YELLOW PAVEMENT MARKING LINE AS NECESSARY WITH 5 IN. YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING FOR EDGE LINE (SOLID).

**GENERAL NOTES**

- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
  - ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.
  - THE "RIDE-ON" BUS STOP SIGN SHALL BE RETURNED TO SHA. SHA WILL SUPPLY SIGN WITH NEW MOUNTING HARDWARE TO BE RELOCATED TO THE NEW POST AS DETAILED. ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATIONS.
  - THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
  - 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 THE APPROPRIATE 800 SERIES STANDARD PLATES, THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES.
  - ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- GEOMETRIC LEGEND**
- EXISTING  
--- PROPOSED
- UTILITY LEGEND**
- SD STORM DRAIN  
GAS MAIN  
WATER MAIN  
SEWER MAIN  
ELECTRIC CABLES  
AERIAL CABLES  
TELEPHONE CABLES  
FIBER-OPTIC



170' TO BREAK LINE THIS SHEET

**APS NOTES**

- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 IN. FROM A 60 IN. X 60 IN. LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE. IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATION UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

**PARSONS BRINCKERHOFF**

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<http://www.pbworld.com>

APPROVALS	REVISIONS
TEAM LEADER	UPGRADE PUSHBUTTON, SIGNS AND ADA RAMP
ASST. DIV. CHIEF	SHA NO. XY2245185 TMS NO. K124 03/10/2012
DIVISION CHIEF	KMP   3/27/12   JDB, m.r.
OFFICE DIRECTOR	

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

**MD 390 AT SUBURBAN TOWER APTS.  
PEDESTRIAN PUSHBUTTON MODIFICATION**  
SILVER SPRING, MD

**SIGNALIZATION PLAN SHEET**

SCALE 1" = 20' DATE JULY 15, 2001 CONTRACT NO. MO619A51R61

DESIGNED BY COUNTY MONTGOMERY  
DRAWN BY C. STRAIN LOGMILE 15039000.55  
CHECKED BY M. RUCKER TMS NO. E549  
F.A.P. NO. AC-STPG-000S-684(E) TOD NO.

TS NO. 4130A DRAWING SG-01 OF 03 SHEET NO. 01 OF 03