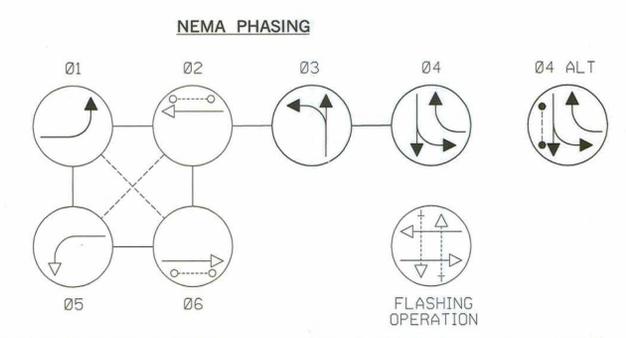
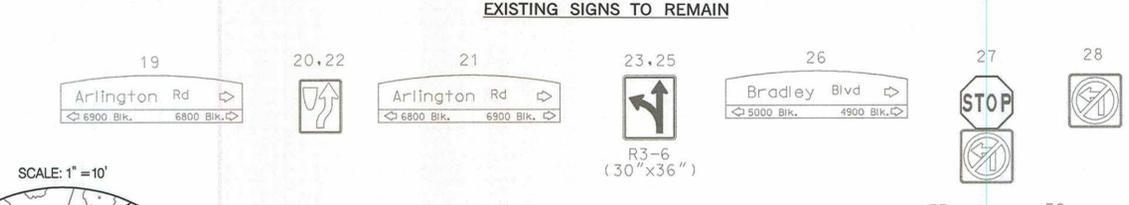
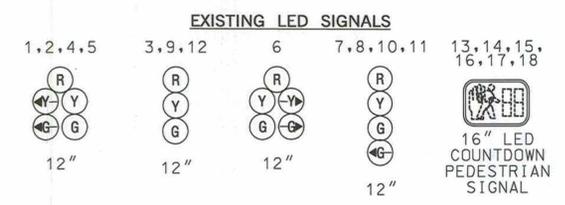
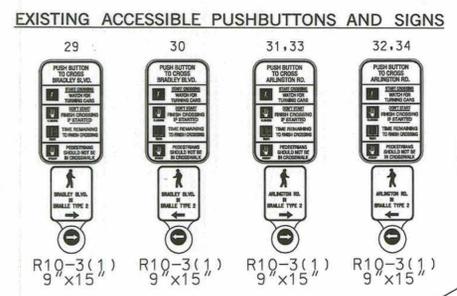


MD 191 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



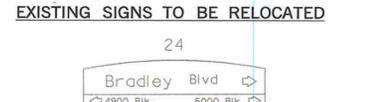
**LINE HEIGHTS (LH) 1**

COMMUNICATION 1	- 26'-9"
COMMUNICATION 2	- 28'-0"
COMMUNICATION 3	- 29'-0"
COMMUNICATION 4	- 32'-6"
SECONDARY	- 35'+
PRIMARY	- 40'+

**LINE HEIGHTS (LH) 2**

COMMUNICATION 1	- 16'-3"
GUY WIRE	- 30'+

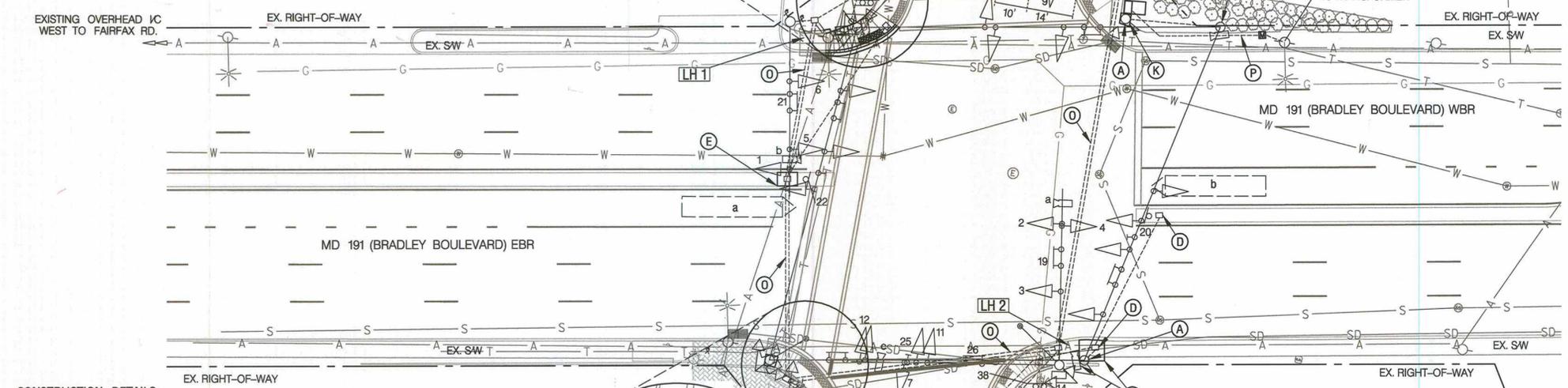
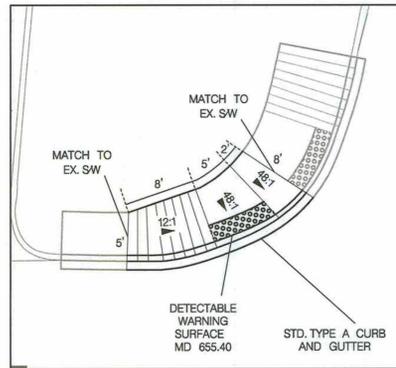
NO POLE # W/MONT. CO. SPLICE CABINET  
INSTALL 1-3 IN 90 DEGREE BEND AT BASE OF POLE WITH A 2 FT. STUB



**EXISTING VIDEO DETECTION TO REMAIN**

**EXISTING VIDEO DETECTION TO BE RELOCATED**

**NORTHWEST CORNER SIDEWALK RAMP DETAIL**  
SCALE: 1" = 10'



- CONSTRUCTION DETAILS**
- REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE. CAP AND ABANDON EXISTING CONDUIT (SEE NOTE 13 FOR MONT. CO. EQUIPMENT RELOCATION).
  - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) AND 3 IN. CONDUIT BEND IN EXISTING SPLICE CABINET.
  - REMOVE AND RECONSTRUCT PORTIONS OF EXISTING SIDEWALK RAMP UPON REMOVAL OF SIGNAL EQUIPMENT. SEE DETAIL THIS SHEET.
  - REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUITS AND BACKFILL.
  - REPLACE THE CONCRETE MEDIAN (6 FT. x 4 FT.) WITH 2 LAYERS OF 5 IN. CONCRETE.
  - INSTALL 5 IN. CONCRETE SIDEWALK (3 FT. x 3 FT.) IN PLACE OF THE REMOVED STRAIN POLE FOUNDATION IN THE SOUTHWEST CORNER.
  - REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK (SEE NOTE 7).
  - REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
  - REMOVE EXISTING BACKER CURB BETWEEN THE NEW MAST ARM SIGNAL POLE AND THE EXISTING DRIVEWAY ENTRANCE IN THE SOUTHEAST CORNER. INSTALL 5 IN. CONCRETE SIDEWALK (7.5 FT. x 6 FT.) UPON REMOVAL OF THE STRAIN POLE AND HANDHOLE.
  - INSTALL 5 IN. CONCRETE SIDEWALK (3 FT. x 3.5 FT.) UPON REMOVAL OF THE PEDESTAL POLE IN THE NORTHEAST CORNER.
  - INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
  - RELOCATE SIGN #24 ON EXISTING MAST ARM AS SHOWN.
  - RELOCATE VIDEO DETECTION CAMERA ON EXISTING MAST ARM AS SHOWN.
  - USE EXISTING CONDUIT FOR PROPOSED INTERCONNECT.
  - USE EXISTING CONDUIT FOR PROPOSED POWER FEED.

- GENERAL NOTES**
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
  - THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
  - THE CONTRACTOR SHALL INTEGRATE EXISTING CONCRETE FOUNDATIONS WITH NEW CURB/SIDEWALK RAMP WHERE NECESSARY.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
  - ALL CONTROLLER CABINET WIRING SHALL BE PERFORMED BY THE MONTGOMERY COUNTY TECHNICAL CENTER. THE CONTRACTOR SHALL CONTACT MR. KEITH LORD AT 301-279-1291 AND MR. KAMAL HAMUD AT 240-777-8761, 72 HOURS IN ADVANCE OF ALL WORK.
  - SEE GENERAL INFORMATION SHEET FOR PAVEMENT MARKING LAYOUTS.
  - ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
  - THE CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE SIDEWALK AT THE NEAREST JOINT.
  - THE CONTRACTOR SHALL ENSURE THE TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL RECONSTRUCTED TRAFFIC SIGNAL IS OPERATIONAL.
  - THE CONTRACTOR SHALL NOTIFY MR. MICHAEL KINNEY AT 240-777-8760 TWO WEEKS PRIOR TO CONSTRUCTION FOR THE RELOCATION AND WIRING OF THE MONTGOMERY COUNTY CAMERA AND CABINET.
  - THE CONTRACTOR SHALL REMOVE ANY PAVEMENT MARKINGS LOCATED WITHIN PROPOSED CROSSWALKS AND/OR STOPLINES.
  - THE CONTRACTOR SHALL NOTIFY MR. MICHAEL KINNEY AT 240-777-8760 TWO WEEKS PRIOR TO CONSTRUCTION FOR THE RELOCATION AND WIRING OF THE MONTGOMERY COUNTY CAMERA AND CABINET.

**GREENLINE REVISION NO. 1** FEBRUARY 2012  
COMPLETION OF SIGNAL RECONSTRUCTION TMS # L226  
TEDD APPROVAL  
SHA NO. XX44275185

**REDLINE REVISION NO. 1** JUNE 2010  
ORIGINAL ON FILE  
TEDD APPROVAL  
SHA NO. XX4445185

**STV Incorporated**  
7125 Ambassador Road, Suite 200  
Baltimore, MD 21244  
www.stvinc.com

**UTILITY LEGEND**

E	ELECTRIC CABLES	SD	SEWER MAIN
A	AERIAL CABLES	G	GAS MAIN
T	TELEPHONE CABLES	W	WATER MAIN
F	FIBER-OPTIC	S	SEWER MAIN

**GEOMETRIC LEGEND**

---	EXISTING
---	PROPOSED

TOD NO: XX427-26  
SHA NO: M022885A  
MD 191 @ Arlington Road

**APPROVALS**

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

**REVISIONS**

1	COMPLETION OF SIGNAL TMS # K570 RECONSTRUCTION 4/2011 SHA NO. XX4445185
2	RECONSTRUCT SIGNAL ADD SIDE ST. SPLIT PHASING 6/2008 SHA NO. XX4445185
3	REPLACE LOOP DETECTORS WITH VIDEO CAMERAS 1/2008 SHA NO. M07175185

**SIGNALIZATION PLAN SHEET**

SCALE 1"=20' ADVERTISED DATE 11/29/12 CONTRACT NO. \_\_\_\_\_

DESIGNED BY MONTGOMERY CO. COUNTY MONTGOMERY  
DRAWN BY MONTGOMERY CO. LOGMILE 15019105.97  
CHECKED BY MONTGOMERY CO. TMS NO. 1618  
F.A.P. NO. TOD NO. \_\_\_\_\_

TS NO. 4385C DRAWING SG-01 OF 02 SHEET NO. 1 OF 2

PLOTTED: Thursday, February 02, 2012 AT 12:07 PM  
FILE: L:\PROJECTS\4014285\4014285\_0069\Drawings\TRA\pSG-P001\_MD191.dgn