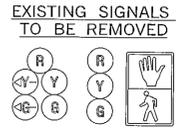
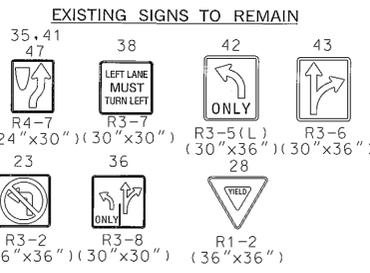
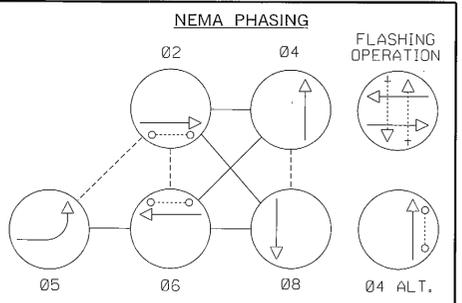
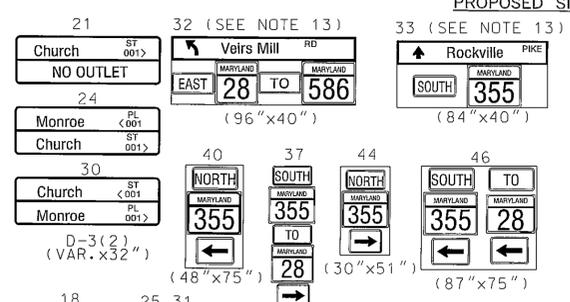
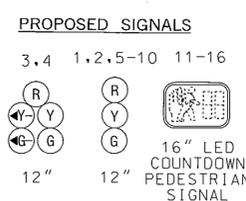
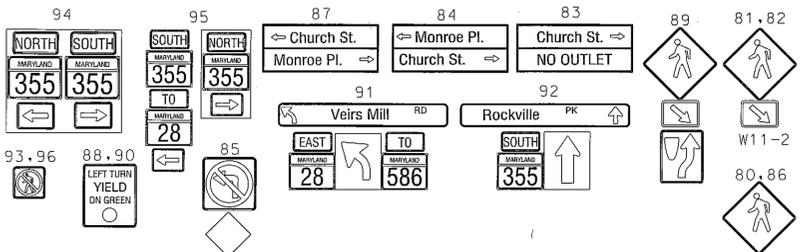


MD 355 IS ASSUMED TO RUN IN THE NORTH-SOUTH DIRECTION



EXISTING SIGNS TO BE REMOVED



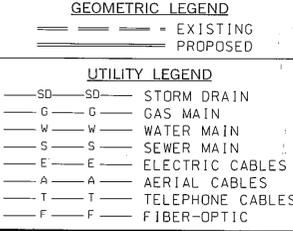
NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

GENERAL NOTES

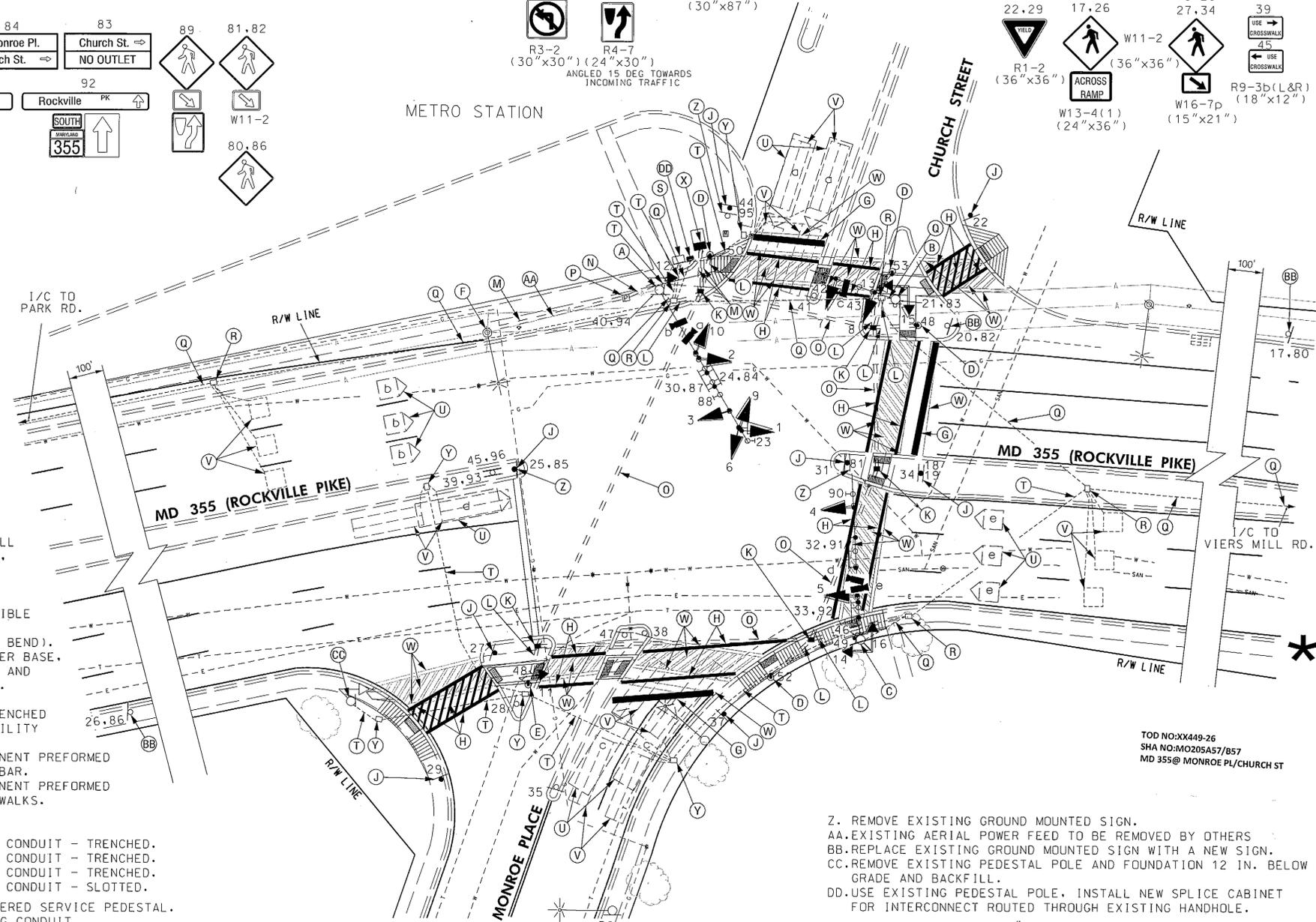
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- 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 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.
- SEE SHEET 2 OF 3 FOR HANDICAP RAMP DETAILS AND APS NOTES.
- MONTGOMERY COUNTY DPW WILL PULL BACK THE EXISTING INTERCONNECT CABLE AND RELOCATE IT FROM THE EXISTING CABINET TO THE PROPOSED CABINET.
- A FIELD MEETING WAS HELD BETWEEN MSHA, BAI AND COMCAST TO RESOLVE THE UTILITY CONFLICT IN THE NORTHEAST QUADRANT. IT WAS AGREED THAT COMCAST WOULD RAISE THE LINE TO PROVIDE 24" OF CLEARANCE.
- THE PROPOSED SIGNAL HEADS ON SOUTHWEST SIGNAL POLE, SHALL BE INSTALLED FACE UP PARALLEL TO TRAFFIC AND SHALL BE TURNED FACING TRAFFIC AT SIGNAL TURN-ON. EXISTING AND PROPOSED SIGNAL HEADS SHALL NOT BE DOUBLE LOADED FOR A PERIOD EXCEEDING 1 WEEK.
- EXISTING INTERCONNECT AND FIBER ARE LASHED TOGETHER.
- FOR SIGN DETAILS SEE K:\FLEX\SHA\MD 355 @ MONROE.FS

CONSTRUCTION DETAILS

- USE EXISTING MAST ARM POLE. REPLACE EXISTING TRAFFIC SIGNAL HEADS WITH NEW L.E.D. TRAFFIC SIGNAL HEADS. REMOVE ALL EXISTING EQUIPMENT. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD. (ALL SIGNAL HEADS WILL BE REWIRED). INSTALL VIDEO DETECTION CAMERAS AND REPLACE EXISTING SIGNS AS SHOWN.
- USE EXISTING MAST ARM POLE. REPLACE EXISTING SIGNAL HEADS WITH NEW L.E.D. TRAFFIC SIGNAL HEADS. REMOVE ALL EXISTING PEDESTRIAN EQUIPMENTS. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS.
- USE EXISTING MAST ARM POLE. REPLACE EXISTING SIGNAL HEADS WITH NEW L.E.D. TRAFFIC SIGNAL HEADS. REMOVE ALL EXISTING PEDESTRIAN EQUIPMENTS. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS. INSTALL AUDIBLE TACTILE PUSHBUTTON UNIT AND SIGN. INSTALL VIDEO DETECTION CAMERAS AND NEW SIGNS AS SHOWN.
- INSTALL 10' PEDESTAL POLE (CUT TO 5') WITH TRANSFORMER BASE WITH. INSTALL AUDIBLE TACTILE PUSHBUTTON UNIT AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL 10' PEDESTAL POLE WITH TRANSFORMER BASE. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE TACTILE PUSHBUTTON UNIT AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT)
- INSTALL 4 IN. PVC SCHEDULE 80 CONDUIT TRENCHED AND PROVIDE A BEND AT THE BASE OF THE UTILITY POLE WITH A PULL STRING.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP BAR.
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- INSTALL GROUND MOUNTED SIGN.
- INSTALL HANDHOLE.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.



- INSTALL METERED SERVICE PEDESTAL.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. RETURN CABINET [AND ASSOCIATED EQUIPMENT] TO MONTGOMERY COUNTY SIGNAL SHOP.
- CAP AND ABANDON EXISTING CONDUIT.
- PROPOSED VIDEO DETECTION ZONE.
- ABANDON EXISTING LOOP DETECTOR
- REMOVE EXISTING PAVEMENT MARKINGS.
- INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER. (NOTE: TWO- 4 IN. PVC, AND TWO- 2 IN. SCHEDULE 80 CONDUIT BENDS)
- REMOVE EXISTING HANDHOLE.



Z. REMOVE EXISTING GROUND MOUNTED SIGN.
 AA. EXISTING AERIAL POWER FEED TO BE REMOVED BY OTHERS
 BB. REPLACE EXISTING GROUND MOUNTED SIGN WITH A NEW SIGN.
 CC. REMOVE EXISTING PEDESTAL POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
 DD. USE EXISTING PEDESTAL POLE. INSTALL NEW SPLICE CABINET FOR INTERCONNECT ROUTED THROUGH EXISTING HANDHOLE.

TOD NO: XX449-26
 SHA NO: MO205A57/B57
 MD 355 @ MONROE PL/CHURCH ST

BAI BRUDIS & ASSOCIATES, INC.
 Consulting Engineers
 8250 Rumney Road, Suite 110
 Columbia, Maryland 21046
 Phone 410-884-3607
 www.brudis.com

APPROVALS	REVISIONS
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	01/08 TMS NO. 1780 SHA NO. XX4495185 UPGRADE INTERSECTION TO APS/CPS. INSTALL VIDEO DETECTION CAMERAS 03/90 - INSTALL EXC/PER L.T. MD 355 @ MONROE PL/CHURCH ST AS BUILT

TRAFFIC SIGNAL PLAN SHEET			
SCALE: 1" = 20'		ADVERTISED DATE: 9/84 CONTRACT NO. _____	
DESIGNED BY: _____	COUNTY: MONTGOMERY		
DRAWN BY: D. DICKERSON	LOGMILE: 15035509.32		
CHECKED BY: _____	TMS NO.: 1780		
F.A.P. NO. _____	TOD NO. _____		
TS NO. 2587-C	DRAWING - OF _____	SHEET NO. 1 OF 3	