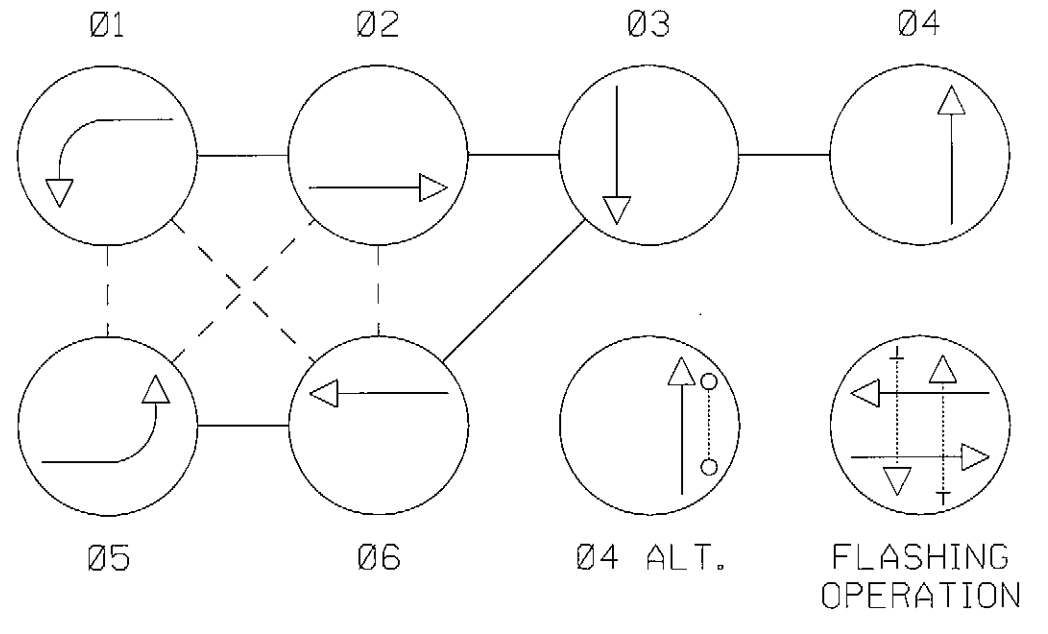
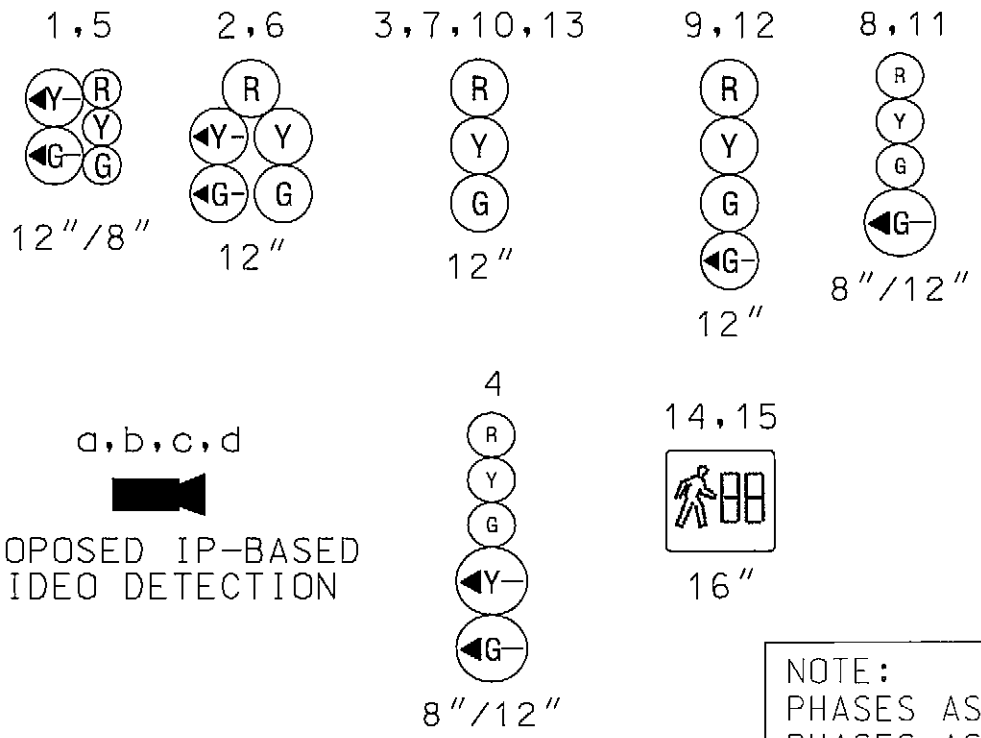
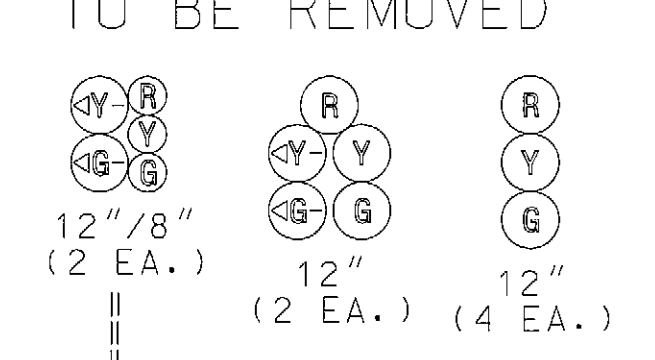
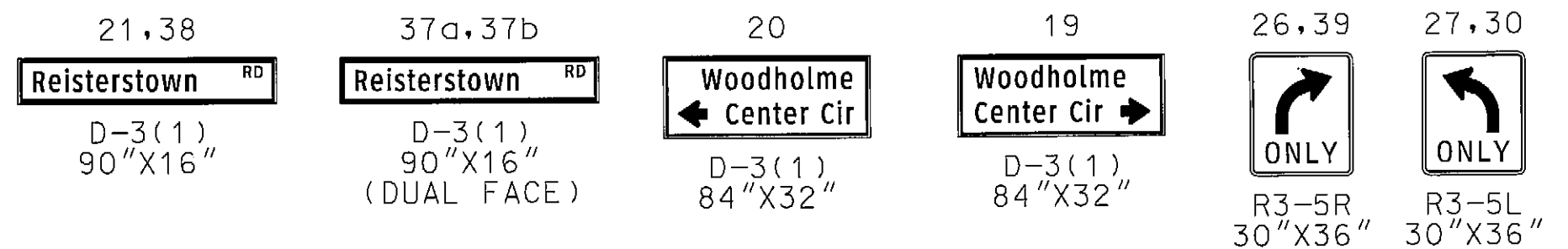


PROPOSED SIGNS

EXISTING SIGNALS TO BE REMOVED

PROPOSED LED SIGNALS

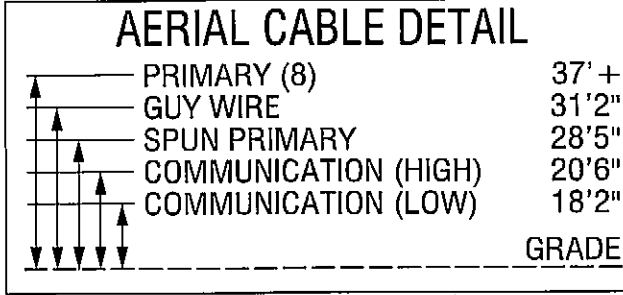
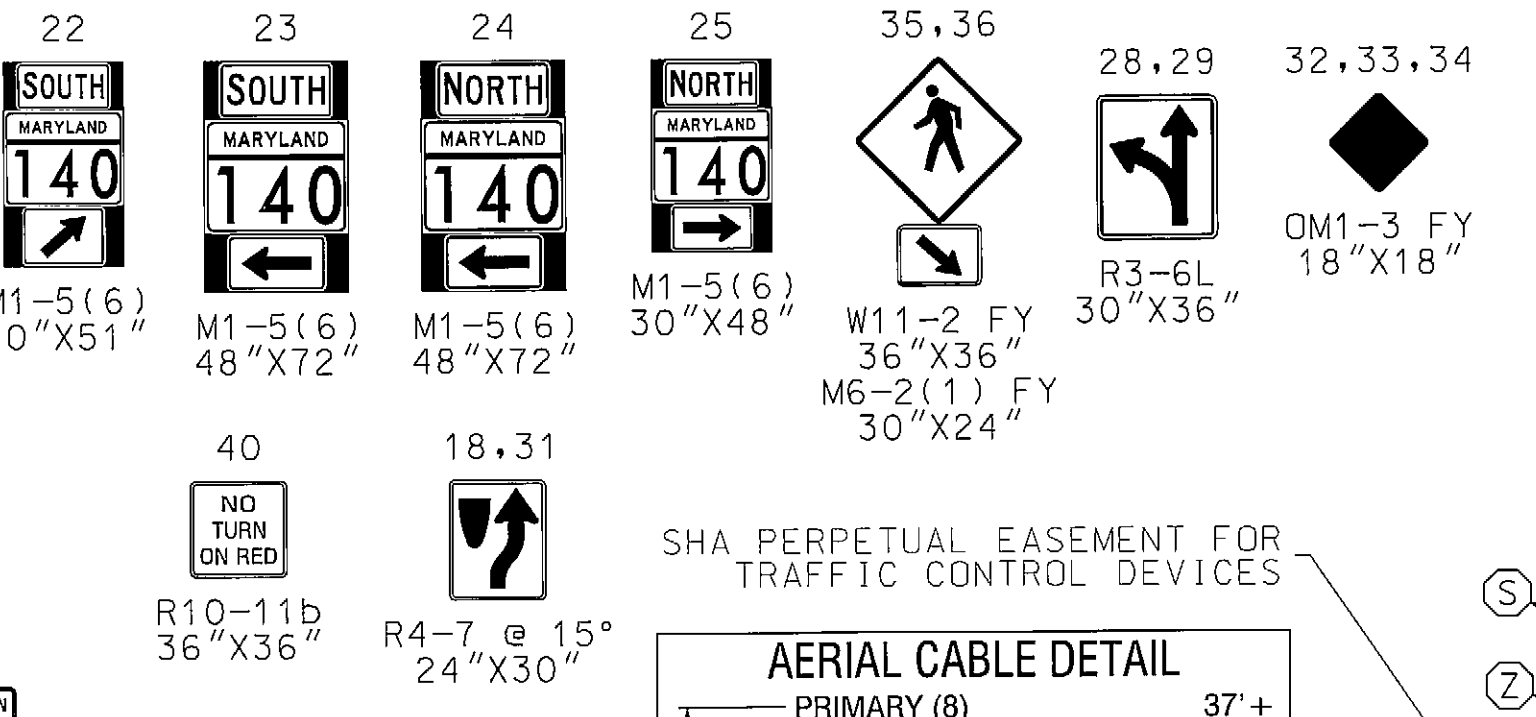
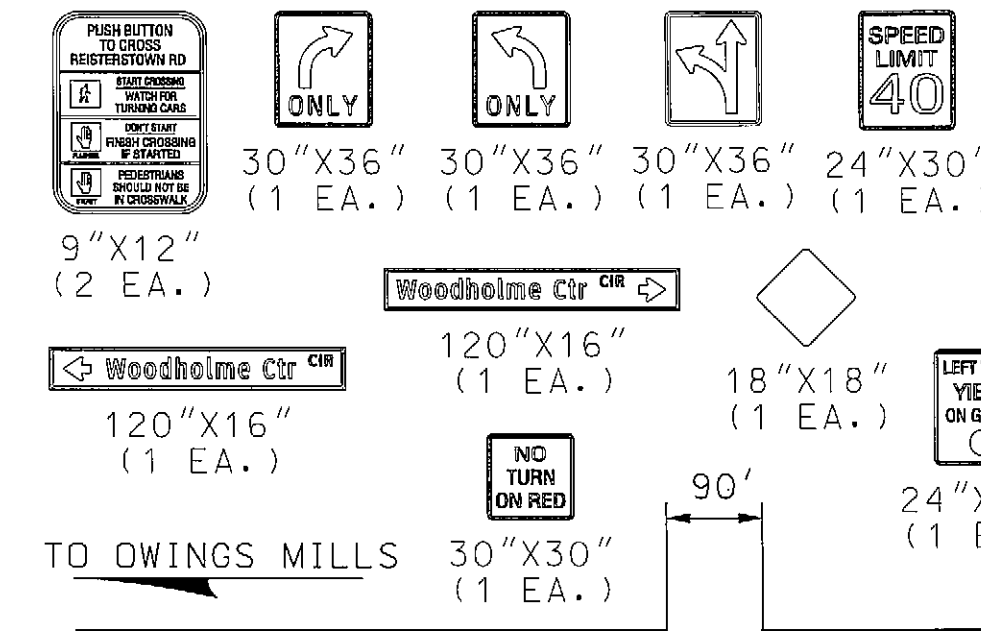
NEMA PHASING



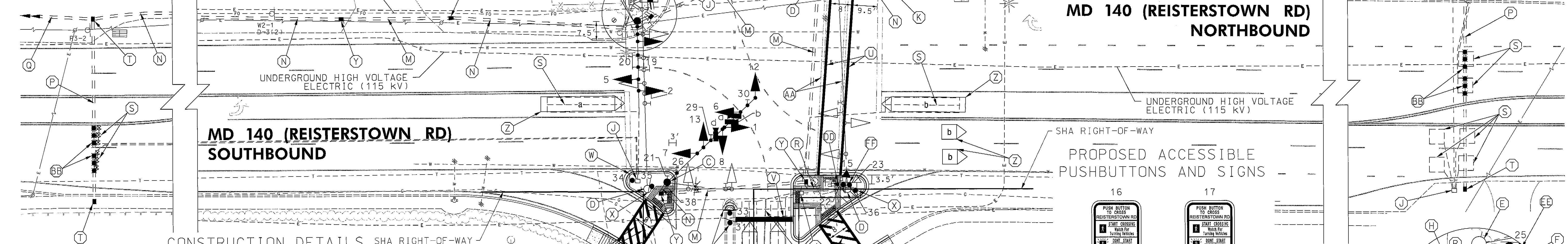
NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS (CONT.)

MD 140 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



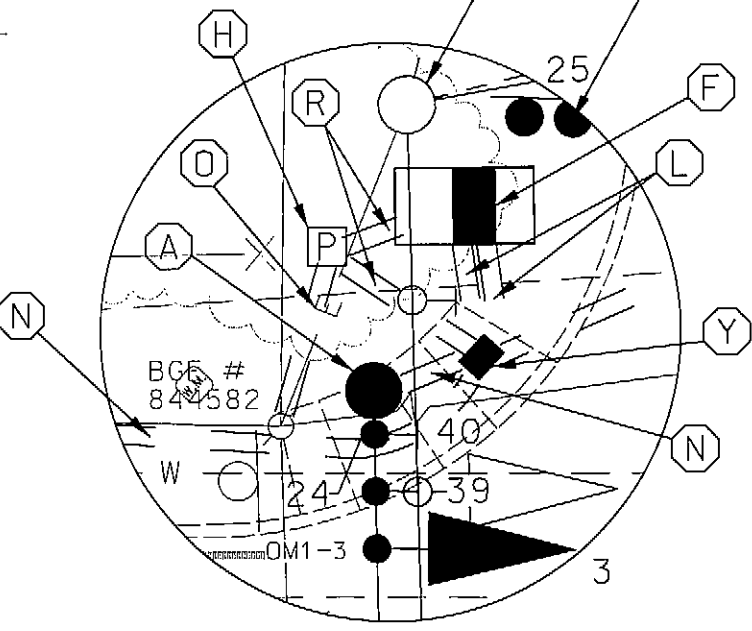
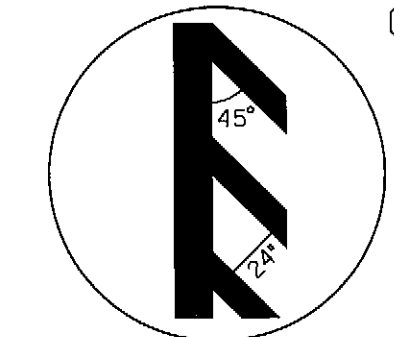
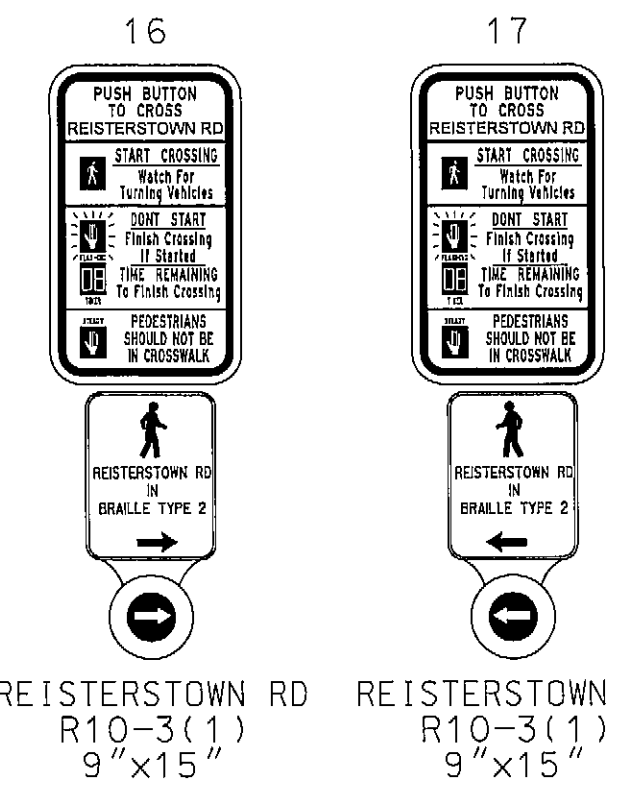
PROPOSED UNDERGROUND CONDUIT NORTH TO MT. WILSON LN



- A. INSTALL 16.5 FT. SPECIAL 'T' MAST ARM POLE WITH 38 FT. MAST ARM, LED SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERA AND SIGNS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH CURB GRADE. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.
- B. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH LED SIGNAL HEAD, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). FOUNDATION SHALL BE FLUSH WITH FINAL SIDEWALK GRADE. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.
- C. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, LED SIGNAL HEADS, 10 FT. LIGHTING ARM WITH LED LUMINAIRE, IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH CURB GRADE. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.
- D. REMOVE EXISTING STRAIN POLE AND ASSOCIATED EQUIPMENT AND SIGNS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND MAKE FLUSH WITH GRADE. CAP AND ABANDON EXISTING CONDUITS.
- E. REMOVE EXISTING STRAIN POLE AND ASSOCIATED EQUIPMENT. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND MAKE FLUSH WITH GRADE. CAP AND ABANDON EXISTING CONDUITS. ELECTRICAL SERVICE EQUIPMENT TO BE DISCONNECTED BY BGE.
- F. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH 2-WIRE APS CENTRAL CONTROL UNIT, IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT AND UPS BATTERY BACKUP. NOTE: INSTALL 2-2 IN. AND 2-4 IN. CONDUIT BENDS IN BASE.
- G. REMOVE EXISTING BASE MOUNTED CABINET. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND MAKE FLUSH WITH GRADE.
- H. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL. NOTE: INSTALL 1-4 IN. AND 3-2 IN. CONDUIT BENDS IN BASE.
- I. USE EXISTING HANDHOLE. ADJUST TO FINAL SIDEWALK GRADE. REPLACE FRAME AND COVER.
- J. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUITS. BACKFILL TO GRADE.
- K. INSTALL ELECTRICAL HANDHOLE. INTERCEPT EXISTING CONDUIT. DISCONNECT, PULLBACK AND REROUTE EXISTING INTERCONNECT COMMUNICATION CABLE.
- L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- M. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- N. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- O. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB AT UTILITY POLE NO. 844582 FOR POWER FEED.
- P. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED FOR CARRIER PIPE.
- Q. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED (SEE INTERCONNECT PLAN FOR DETAILS).
- R. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- S. ABANDON EXISTING LOOP DETECTOR / MICROLOOP PROBE SET.
- T. INSTALL ELECTRICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.
- U. INSTALL 12 IN. PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.
- V. INSTALL 24 IN. PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.
- W. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT. NOTE: SIGNS INSTALLED IN CONCRETE OR BRICK SHALL HAVE SLEEVED FOUNDATIONS MEETING THE REQUIREMENTS OF STANDARDS MD 812.05-01 AND MD 812.05-02. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORTS.
- X. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT (DRILLED). NOTE: SIGNS INSTALLED IN CONCRETE OR BRICK SHALL HAVE SLEEVED FOUNDATIONS MEETING THE REQUIREMENTS OF STANDARDS MD 812.05-01 AND MD 812.05-02. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORTS.
- Y. INSTALL ELECTRICAL HANDHOLE.
- Z. PROPOSED VIDEO DETECTION ZONE.
- AA. REMOVE EXISTING PAVEMENT MARKING.
- BB. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH LEAD-IN CABLE. CENTER IN TRAVEL LANE.
- CC. USE EXISTING CONDUIT.
- DD. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). FOUNDATION SHALL HAVE A MAXIMUM PROJECTION OF 4 IN. ABOVE THE CONCRETE SLOPE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE.
- EE. INSTALL GROUND MOUNTED SIGN ON 2-4"X4" WOOD SIGN SUPPORTS.
- FF. INSTALL GROUND MOUNTED SIGN ON 2-4"X6" WOOD SIGN SUPPORTS (DRILLED). NOTE: SIGNS INSTALLED IN CONCRETE OR BRICK SHALL HAVE SLEEVED FOUNDATIONS MEETING THE REQUIREMENTS OF STANDARDS MD 812.05-01 AND MD 812.05-02. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORTS.

CONSTRUCTION DETAILS (CONT.)

- Y. INSTALL ELECTRICAL HANDHOLE.
- Z. PROPOSED VIDEO DETECTION ZONE.
- AA. REMOVE EXISTING PAVEMENT MARKING.
- BB. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH LEAD-IN CABLE. CENTER IN TRAVEL LANE.
- CC. USE EXISTING CONDUIT.
- DD. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). FOUNDATION SHALL HAVE A MAXIMUM PROJECTION OF 4 IN. ABOVE THE CONCRETE SLOPE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE.
- EE. INSTALL GROUND MOUNTED SIGN ON 2-4"X4" WOOD SIGN SUPPORTS.
- FF. INSTALL GROUND MOUNTED SIGN ON 2-4"X6" WOOD SIGN SUPPORTS (DRILLED). NOTE: SIGNS INSTALLED IN CONCRETE OR BRICK SHALL HAVE SLEEVED FOUNDATIONS MEETING THE REQUIREMENTS OF STANDARDS MD 812.05-01 AND MD 812.05-02. SLEEVED FOUNDATIONS ARE INCIDENTAL TO THE WOOD SIGN SUPPORTS.



CROSSWALK DETAIL INSET A NOT TO SCALE

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

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 www.rkk.com

APPROVALS	REVISIONS
TEAM LEADER	E SIGNAL RECONSTRUCTION, 01-2013 INSTALL APS/CPS SHA NO. X1151185, TMS NO. L825
ASST. DIV. CHIEF	D NEW GEOMETRICS SHA NO. B996M82
DIVISION CHIEF	C AS-BUILT 08-20-1996
OFFICE DIRECTOR	F SHA NO. B996M81

TRAFFIC SIGNAL PLAN			
SCALE 1"=20'	DATE 02-24-1987	CONTRACT NO. BW138801412	
DESIGNED BY GEC	COUNTY BALTIMORE		
DRAWN BY GEC	LOGMILE 03014002.36		
CHECKED BY DJD	TMS NO.		
FAP NO.	TOD NO.		
TS NO. 2309E	DRAWING SP-3	OF 4	SHEET NO. 1 OF 3