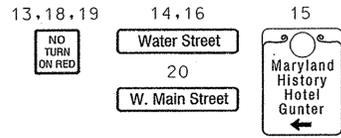


U.S. 40 ALT and Water St/MD 36

U.S. 40 ALT and Broadway Street

U.S. 40 ALT IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

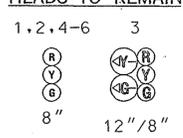
EXISTING SIGNS



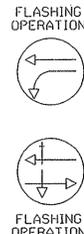
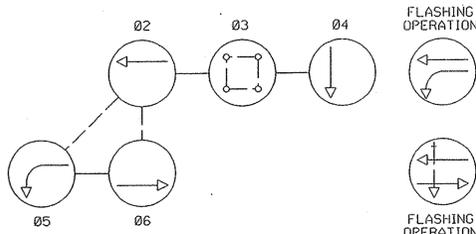
PROPOSED SIGNALS



EXISTING SIGNAL HEADS TO REMAIN



NEMA PHASING



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

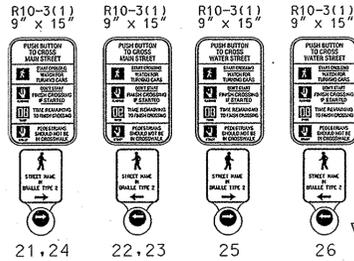
EX. SIGN TO BE REMOVED



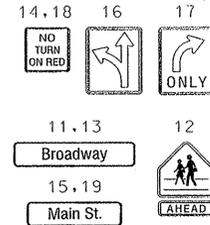
EXISTING SIGNAL HEADS TO BE REMOVED



PROPOSED SIGNS



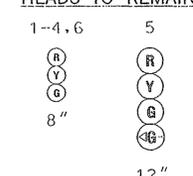
EXISTING SIGNS



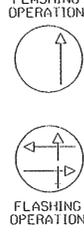
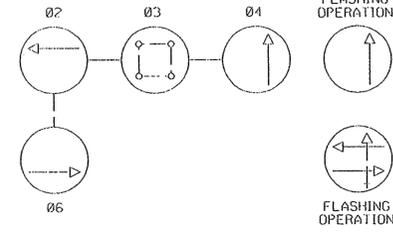
PROPOSED SIGNALS



EXISTING SIGNAL HEADS TO REMAIN

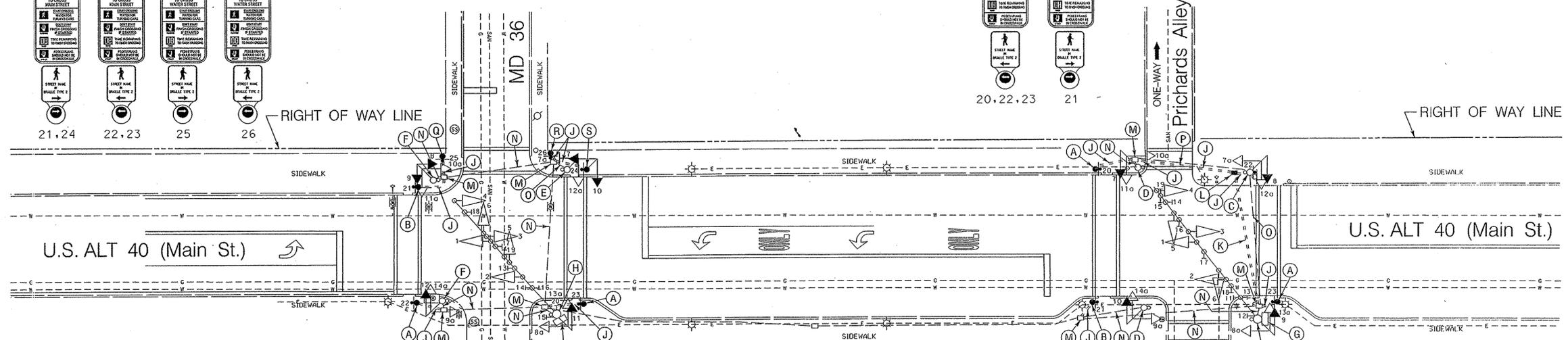
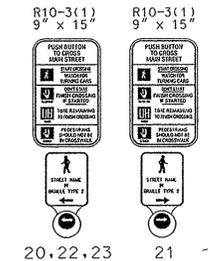


NEMA PHASING



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

PROPOSED SIGNS



- CONSTRUCTION DETAILS**
- A. INSTALL CONCRETE FOUNDATION WITH 8'-7" (CUT JUST ABOVE THE R10-3(1) SIGN) STEEL PEDESTAL POLE WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
 - B. INSTALL CONCRETE FOUNDATION WITH 8'-7" (CUT JUST ABOVE THE R10-3(1) SIGN) STEEL PEDESTAL POLE WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
 - C. USE EXISTING STEEL PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGN AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET"). INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN EXISTING PEDESTAL BASE.
 - D. USE EXISTING STEEL PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD.
 - E. REMOVE EXISTING PEDESTRIAN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
 - F. USE EXISTING STEEL PEDESTAL POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGN AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
 - G. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT AND ONE 2 INCH BLIND COUPLING IN BOTTOM OF POLE MOUNTED CABINET BY FIELD DRILLING HOLE INTO EXISTING STEEL POLE A MINIMUM OF 12 INCHES FROM EXISTING BLIND COUPLING.
 - H. USE EXISTING MAST ARM POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4(1) SIGNS AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD.
 - J. REMOVE EXISTING SIDEWALK AND INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED AND REPLACE SIDEWALK.
 - K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
 - L. INSTALL HANDHOLE.
 - M. USE EXISTING HANDHOLE.
 - N. USE EXISTING CONDUIT.
 - O. CAP AND ABANDON EXISTING CONDUIT.
 - P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
 - Q. INSTALL CONCRETE FOUNDATION WITH 8'-7" (CUT JUST ABOVE THE R10-3(1) SIGN) STEEL PEDESTAL POLE WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS WATER STREET"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
 - R. INSTALL CONCRETE FOUNDATION WITH 8'-7" (CUT JUST ABOVE THE R10-3(1) SIGN) STEEL PEDESTAL POLE WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS WATER STREET"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
 - S. INSTALL CONCRETE FOUNDATION WITH 8'-7" STEEL PEDESTAL POLE WITH BREAKAWAY BASE (SEE MODIFIED PEDESTAL POLE FOUNDATION DETAIL ON SHEET 2), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

GENERAL NOTES

1. 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.
2. 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.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
7. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
8. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT WITHIN INTERSECTION.

SPECIAL NOTE:
THE TACTILE ARROWS FOR THE AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
U.S. ALT. 40 (Main Street) and
MD 36 / Broadway Street
(FROSTBURG, MD)

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20'	DATE 7/1990	CONTRACT NO. A-658-503-885
DESIGNED BY P. KUEHN	COUNTY ALLEGANY	
DRAWN BY P. KUEHN	LOGMILE 01004001.48	
CHECKED BY T. GORDON	T.I.M.S. NO. H898	
F.A.P. NO.	TOD NO.	
DRAWING NO. 1255F	OF	SHEET NO. 1 OF 2

WR&A
Whitman, Reardon
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801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
UTILITY CHIEF
OFFICE DIRECTOR

REVISIONS
(P) ADD COUNTDOWN PEDESTRIAN SIGNAL HEAD AND REWIRE SHA NO. AT1839185 7/2006
(S) NEW PEDESTAL POLE AND PEDESTRIAN SIGNALS IN SW CORNER, NEW CONDUIT SHA NO. AL8665184 9/2000
(D) MODIFY PHASING, NEW CABINETS AND REWIRE 1/C 6/1989

BY: SBLOSS