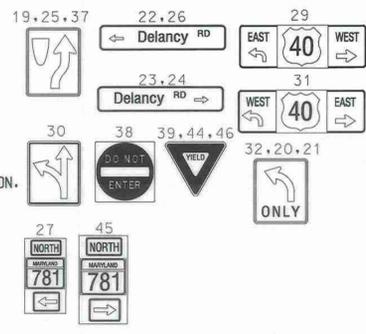
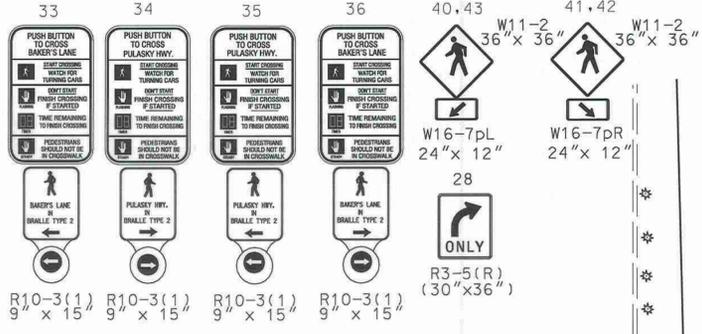


US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

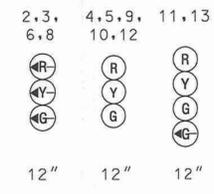
EXISTING SIGNS TO REMAIN



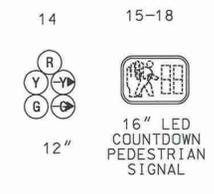
PROPOSED SIGNS



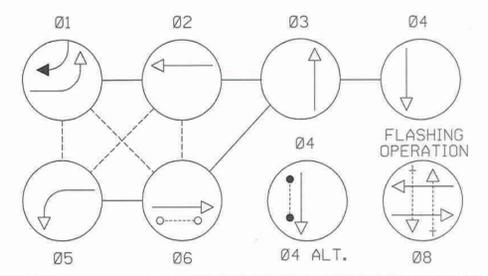
PROPOSED L.E.D. SIGNALS (MODULES ONLY)



PROPOSED L.E.D. SIGNALS

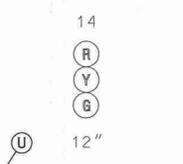


NEMA PHASING

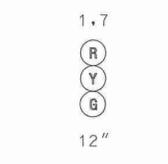


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

EXISTING SIGNALS TO BE REPLACED

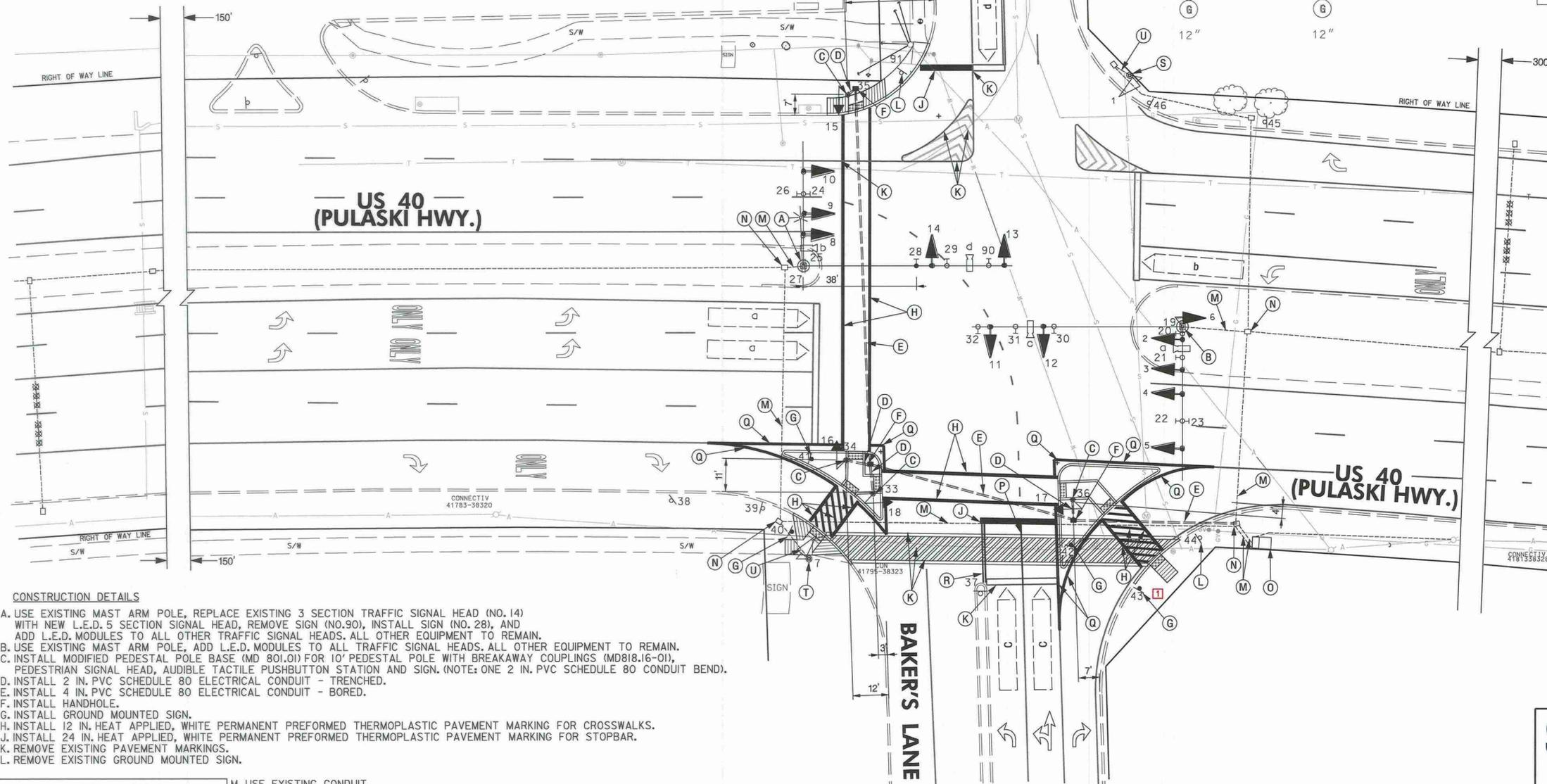


EXISTING SIGNALS TO BE REMOVED



EXISTING VIDEO DETECTION CAMERAS

a, b, c, d



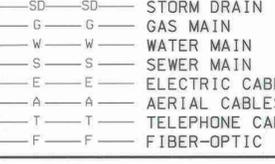
CONSTRUCTION DETAILS

- A. USE EXISTING MAST ARM POLE, REPLACE EXISTING 3 SECTION TRAFFIC SIGNAL HEAD (NO.14) WITH NEW L.E.D. 5 SECTION SIGNAL HEAD, REMOVE SIGN (NO.90), INSTALL SIGN (NO. 28), AND ADD L.E.D. MODULES TO ALL OTHER TRAFFIC SIGNAL HEADS. ALL OTHER EQUIPMENT TO REMAIN.
- B. USE EXISTING MAST ARM POLE, ADD L.E.D. MODULES TO ALL TRAFFIC SIGNAL HEADS. ALL OTHER EQUIPMENT TO REMAIN.
- C. INSTALL MODIFIED PEDESTAL POLE BASE (MD 801.01) FOR 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD818.16-01), PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- F. INSTALL HANDHOLE.
- G. INSTALL GROUND MOUNTED SIGN.
- H. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- J. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOPBAR.
- K. REMOVE EXISTING PAVEMENT MARKINGS.
- L. REMOVE EXISTING GROUND MOUNTED SIGN.
- M. USE EXISTING CONDUIT.
- N. USE EXISTING HANDHOLE.
- O. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- P. INSTALL 5 IN. HEAT APPLIED WHITE PERMANENT PAVEMENT LINE MARKINGS.
- Q. INSTALL 10 IN. (USE 2-5 IN.) HEAT APPLIED WHITE PERMANENT PAVEMENT LINE MARKINGS.
- R. INSTALL 5 IN. DOUBLE YELLOW, HEAT APPLIED PERMANENT PAVEMENT LINE MARKINGS.
- S. REMOVE SIGNAL HEAD NO.1, EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- T. REMOVE SIGNAL HEAD NO.7, EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- U. CAP AND ABANDON EXISTING CONDUIT.

GEOMETRIC LEGEND



UTILITY LEGEND



GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. 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.
6. 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.
7. SEE SHEET NO. 2 OF 3 FOR HANDICAP RAMP DETAILS.
8. SEE SHEET 2 OF 3 FOR APS NOTES.

SUA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 40 (PULASKI HWY.) AT MD 781 (DELANCY RD.)
TRAFFIC SIGNAL MODIFICATION
ELKTON, MARYLAND

APPROVALS		REVISIONS		TRAFFIC SIGNAL PLAN SHEET					
TEAM LEADER	ORIGINAL ON FILE	1	REDLINE REVISION NO. 1 MODIFY RAMP FLARES 8-4-2009	SCALE	1"=20'	ADVERTISED DATE	07-01-96	CONTRACT NO.	
ASST. DIV. CHIEF		2	UPGRADE TO APS/CS, ADA RAMP AND LED SIGNAL HEADS	DESIGNED BY		COUNTY	CECIL		
DIVISION CHIEF		3	RECONSTRUCT SIGNAL DUE TO THE ADDITION OF A FOURTH LEG 10/20/2004	DRAWN BY	K. WINKLER	LOGMILE	07004017.05		
OFFICE DIRECTOR		4		CHECKED BY	D. DODA	TMS NO.	J178		
				F.A.P. NO.		TOD NO.			
				TS NO.	3595 C	DRAWING	-	OF	
						SHEET NO.	1	OF	3

PLOTTED: Friday, September 11, 2009 AT 10:35 AM
FILE: J:\DATA\1781\Redline Revision No.1\98-P001_US40-RL.dgn

BY: bdonoway