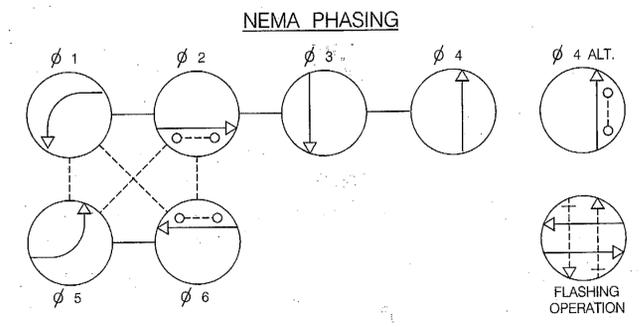
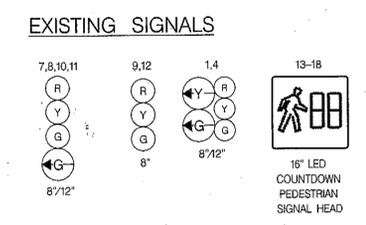
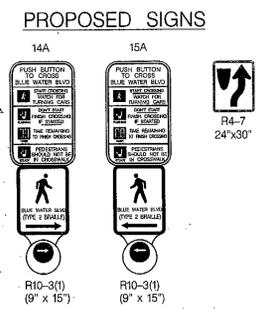
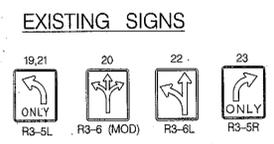
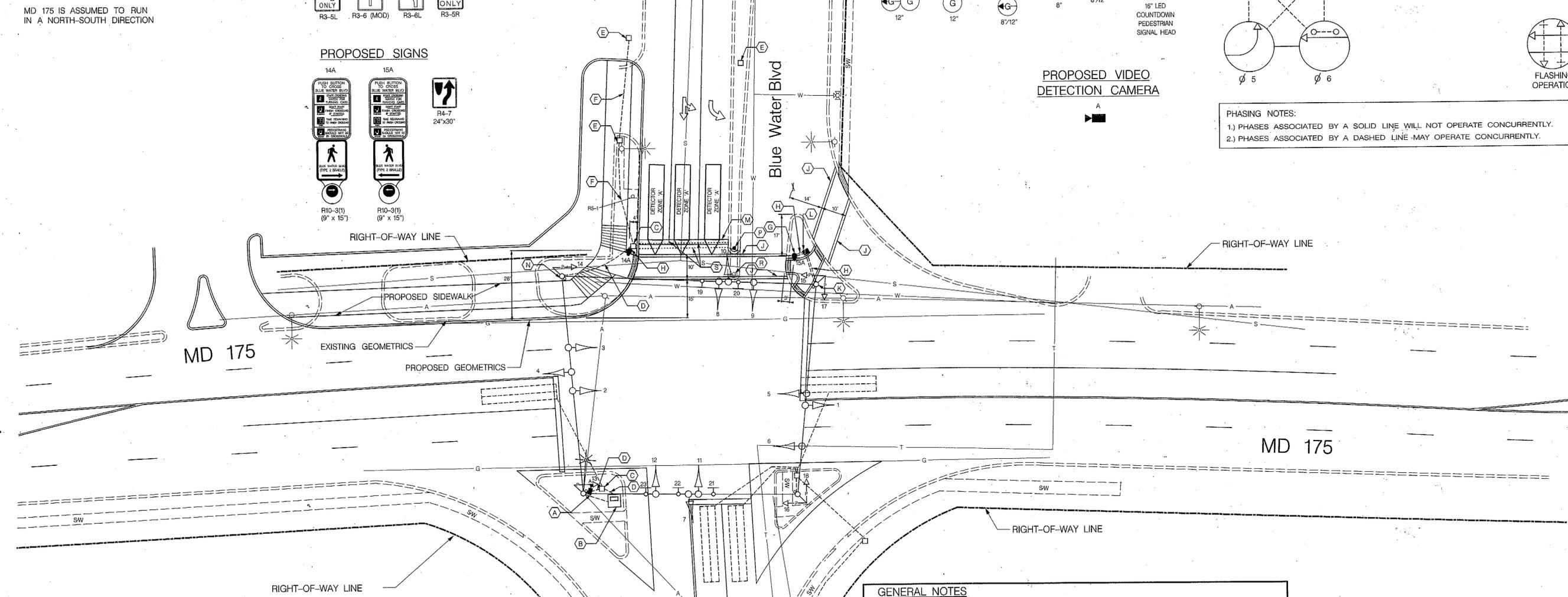


MD 175 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



**PHASING NOTES:**  
 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

**PROPOSED VIDEO DETECTION CAMERA**



**CONSTRUCTION DETAILS**

- INSTALL VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE
- INSTALL VIDEO INTERFACE EQUIPMENT RACK IN EXISTING BASE MOUNTED CABINET
- USE EXISTING HANDHOLE
- USE EXISTING CONDUIT
- REMOVE EXISTING HANDHOLE
- CAP AND ABANDON EXISTING CONDUIT
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PUSHBUTTON AND SIGN. CUT TO 5 FT. INSTALL 2 FT. FROM FACE OF CURB. (CUT, CLEAN AND GALVANIZE) (NOTE: INSTALL 1-3 IN SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- INSTALL 3 IN SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- INSTALL 3 IN WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LINE
- INSTALL 3 IN SCHEDULE 80, 90 DEGREE CONDUIT BEND IN EXISTING FOUNDATION
- INSTALL HANDHOLE
- INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LINE
- REMOVE PEDESTRIAN PUSHBUTTON AND SIGN FROM EXISTING STRAIN POLE
- INSTALL R4-7 SIGN AT 15 DEGREE ANGLE ON 4 IN. X 4 IN. WOOD SUPPORT
- REMOVE EXISTING R4-7 SIGN
- REMOVE AND GRIND EXISTING PAVEMENT MARKING LINE

**GENERAL NOTES**

- 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 CLEARANCE AS SPECIFIED IN MD 816.03, MD 816.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60" X 60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA, DOES NOT HAVE TO REACH MORE THAN 18 IN.
- THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- THE CONTRACTOR SHALL DELIVER THE APS CENTRAL CONTROL UNIT TO THE SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT (410) 787-7650.
- THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- FOR ADDITIONAL PAVEMENT MARKING DETAILS PLEASE SEE PAVEMENT MARKING PLAN.
- DISCONNECT AND ABANDON EXISTING LOOP DETECTION ON BLUE WATER BLVD AND REMOVE UNUSED CABLE FROM CONDUITS, POLES, SPANS AND HANDHOLES.
- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

AERIAL CABLE	_____	A	_____
ELECTRICAL	_____	E	_____
TELEPHONE	_____	T	_____
GAS	_____	G	_____
SEWER	_____	S	_____
WATER	_____	W	_____
CABLE TV	_____	TV	_____

**TRAFFIC CONCEPTS, INC.**  
 325 Gambrills Road  
 Suite E  
 Gambrills, MD 21054  
 (410) 923-7101  
 FAX: (410) 923-6473  
 TRAFFIC@TRAFFIC-CONCEPTS.COM

APPROVALS		REVISIONS	
TEAM LEADER		NEW GEOMETRICS FOR SIDE ROAD	12-22-08
ASST. DIV. CHIEF		INSTALL ADA EQUIPMENT AND VIDEO	SHA NO. BW-998485
DIVISION CHIEF		SPLIT SIDE STREET PHASING	9-16-09
OFFICE DIRECTOR			
		ASSULT	8-8-06
			FJH

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
**TRAFFIC SIGNAL PLAN**  
 MD 175 AND LLEWELLYN AVE./  
 BLUE WATER BLVD.  
 ODENTON, MD

SCALE	1"=20'	DATE		CONTRACT NO.	
DESIGNED BY		COUNTY	ANNE ARUNDEL		
DRAWN BY	T. ZAYDEL	LOGMILE	02017504.97		
CHECKED BY		T.I.M.S. NO.			
F.A.P. NO.		TOD NO.			
DRAWING NO.	TS-163 F	SHEET NO.	1	OF 2	

FILE PATH: M:\2100\2175(Signal)\DGN\signal.dgn  
 DATE: Wednesday, June 17, 2009 AT 12:38 PM