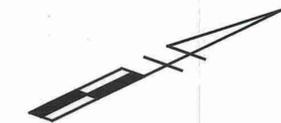


DRILL HOLES

DRILL HOLES

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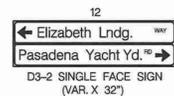
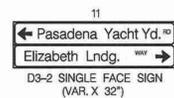


MD 173 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION

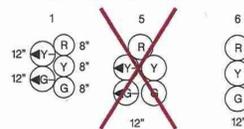
PROPOSED VIDEO DETECTION CAMERAS

A, B, C

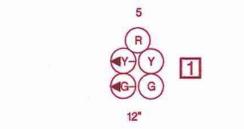
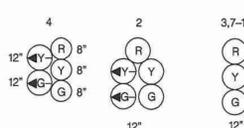
PROPOSED SIGNS



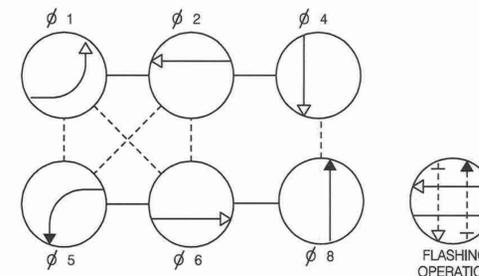
EXISTING SIGNALS



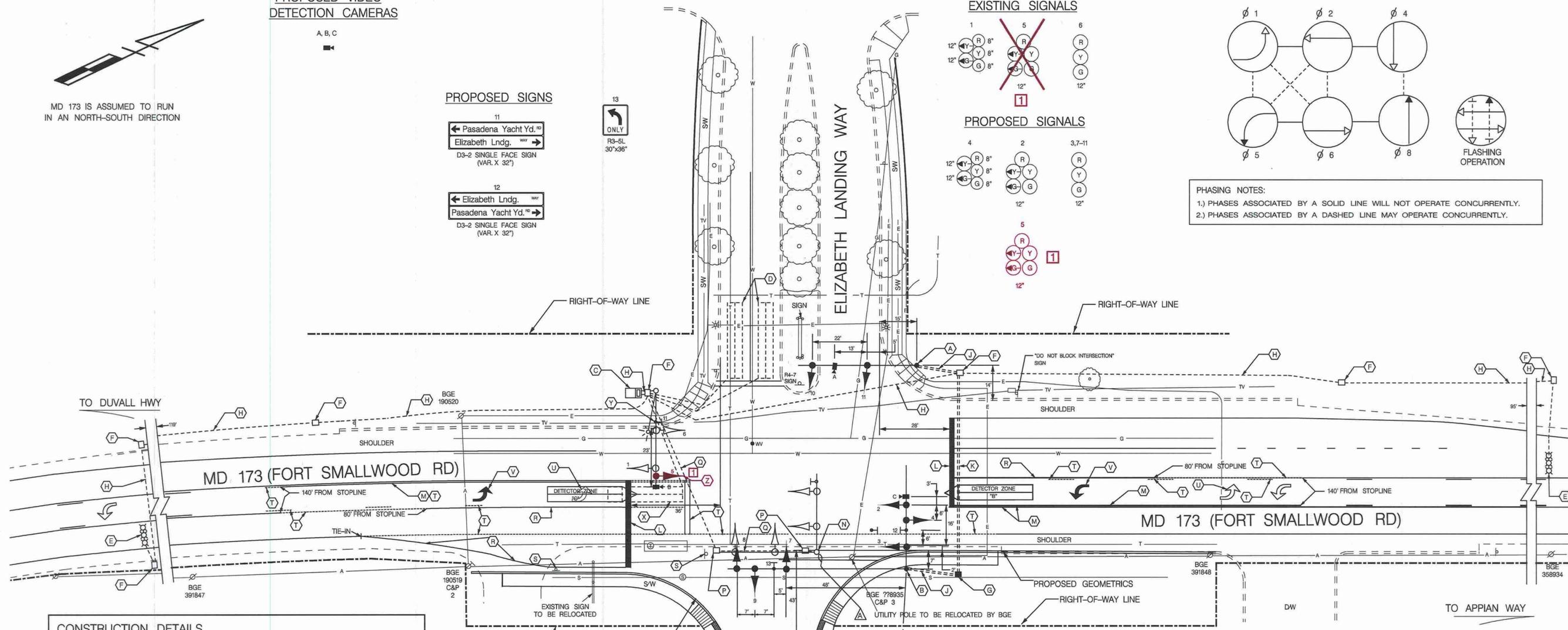
PROPOSED SIGNALS



NEMA PHASING



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



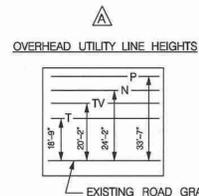
CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, SIGNAL HEADS, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- B. INSTALL CONCRETE FOUNDATION WITH 16.5 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, AND SIGN (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- C. INSTALL VIDEO INTERFACE EQUIPMENT INTO EXISTING BASE MOUNTED CABINET AND CONTROLLER
- D. USE EXISTING 6' X 30' LOOP DETECTOR
- E. USE EXISTING MICRO-LOOP PROBES
- F. USE EXISTING HANDHOLE
- G. INSTALL HANDHOLE
- H. USE EXISTING CONDUIT
- J. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- K. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- L. INSTALL 24 IN. WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- M. INSTALL 5 IN. YELLOW, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- N. REMOVE EXISTING POLE, MAST ARM, AND SIGNAL HEADS
- P. REMOVE EXISTING HANDHOLE
- Q. CAP AND ABANDON EXISTING CONDUIT
- R. INSTALL 5 IN. WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- S. REMOVE EXISTING SIGN AND SUPPORT
- T. REMOVE EXISTING PAVEMENT MARKING
- U. REMOVE EXISTING PAVEMENT MARKING ARROW
- V. INSTALL WHITE THERMOPLASTIC PREFORMED PAVEMENT MARKING - ARROW
- X. DISCONNECT EXISTING LOOP DETECTOR
- Y. REMOVE EXISTING STREET NAME SIGN AND INSTALL NEW SIGN IN SAME LOCATION

1 Z REMOVE EXISTING THREE SECTION SIGNAL HEAD AND INSTALL NEW FIVE SECTION SIGNAL HEAD IN EXISTING LOCATION USING EXISTING WIRING.

GENERAL NOTES

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. 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.
4. 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.



1 RED LINE REVISION
November 22, 2010
REPLACE SIGNAL INDICATION #5 WITH A FIVE SECTION SIGNAL.
TEDD Approval: [Signature]

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 173 (FORT SMALLWOOD RD) AND
ELIZABETH LANDING WAY/
PASADENA YACHT YARD RD

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
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

SCALE	1"=20'	DATE	4-19-01	CONTRACT NO.	XX1005585
DESIGNED BY	W. J. NIES	COUNTY	ANNE ARUNDEL		
DRAWN BY	R. R. ZACHERL	LOGMILE			
CHECKED BY		T.I.M.S. NO.	1-019		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS-4094A	SHEET NO.	1 OF 2		

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DATE: Monday, November 22, 2010 AT 10:41 AM