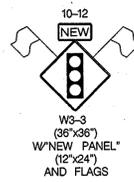
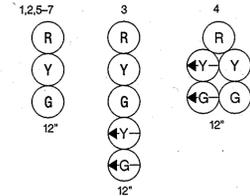


**PROPOSED SIGNS**



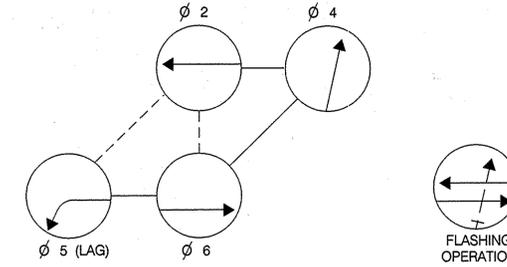
**PROPOSED SIGNALS**



**PROPOSED VIDEO DETECTION CAMERAS**

A, B

**NEMA PHASING**



**PHASING NOTES:**

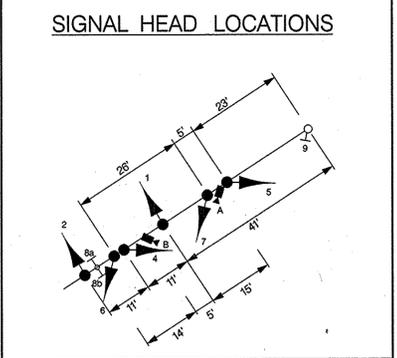
- 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.
- 3.) PHASE 5 SHALL LAG BEHIND PHASES 2 AND 6

**GENERAL NOTES**

1. 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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. 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 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
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.

**CONSTRUCTION DETAILS**

- A. USE EXISTING SIGNAL STRUCTURE, INSTALL VIDEO DETECTION CAMERAS, REMOVE EXISTING POLE MOUNTED CABINET, ELECTRICAL SERVICE RISER & EQUIPMENT, REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS AS SHOWN.
- B. INSTALL ELECTRICAL HANDHOLE
- C. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT
- D. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
- E. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- F. INSTALL MICRO-LOOP FROBE
- G. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- H. EXISTING ELECTRIC SERVICE TO BE REMOVED BY POWER COMPANY.
- J. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- K. INSTALL WOOD POST WITH W3-3 SIGN WITH 'NEW' PANEL AND FLAGS APPROXIMATELY 400 FT. MIN IN ADVANCE OF THE INTERSECTION
- L. REMOVE EXISTING R1-1 SIGN (STOP) AND POST
- M. USE EXISTING CONDUIT
- N. USE EXISTING HANDHOLE
- O. INSTALL CONCRETE FOUNDATION WITH 10' BREAKAWAY PEDESTAL POLE AND BASE WITH SIGNAL HEAD (NOTE: INSTALL 1-4IN. SCHEDULE 80, PVC CONDUIT BEND)
- P. INSTALL EMBEDDED METER SERVICE PEDESTAL
- Q. INSTALL CONCRETE FOUNDATION WITH BASE MOUNTED CABINET AND CONTROLLER (NOTE: INSTALL 2-2 1IN. AND 2-4 IN SCHEDULE 80 CONDUIT BENDS)
- R. INSTALL 5 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- S. REMOVE EXISTING PAVEMENT MARKING LINE
- T. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED, STUB-UP AT BASE OF UTILITY POLE ( PROVIDE 35 FT. OF SLACK CABLE, COILED)
- U. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED, STUB-UP AT BASE OF UTILITY POLE



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

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION

**TRAFFIC SIGNAL PLAN**  
 MD 28 AND MARTINSBURG ROAD  
 (DICKERSON, MARYLAND)

SCALE 1"=20' DATE 9-22-08 CONTRACT NO. MD857A521B62

DESIGNED BY L. HARRIS COUNTY MONTGOMERY  
 DRAWN BY L. HARRIS LOGMILE 15002802.10  
 CHECKED BY D. DODA T.I.M.S. NO. 1-908  
 F.A.P. NO. ACSTPG-0005 (684)E TOD NO.

UPGRADE I.C.B. TO FULLY ACTUATED TRAFFIC SIGNAL  
 2-7-08 SHA NO. BW-000182  
 TMZ RUS 1287 RUS 174 45

DRAWING NO. TS-8888A SHEET NO. 1 OF 2