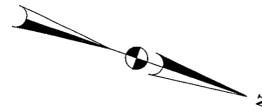
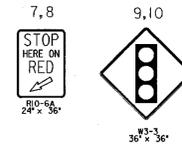


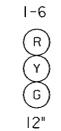
**GENERAL NOTES**

1. UTILITIES SHOWN ARE SCHEMATIC ONLY AND MAY NOT REPRESENT ALL UTILITIES PRESENT AND THEIR LOCATIONS. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL UTILITIES PRIOR TO BEGINNING ANY WORK AND SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY IF HE/SHE PERCEIVES THAT THERE IS A CONFLICT.
2. ALL OVERHEAD SPAN WIRES MUST BE LOCATED AT A MINIMUM OF 10' FROM PRIMARY TRANSMISSION LINES AND 4' FROM ANY SECONDARY TRANSMISSION, AND 2' FROM CABLE TV AND TELEPHONE LINES.
3. ALL GROUND MOUNTED SIGNS SHOWN ON THE SIGNAL PLAN SHEETS SHALL BE INSTALLED AND PAID FOR BY THE MOT PAY ITEMS. PLEASE REFER TO SHEET 8 OF 55.

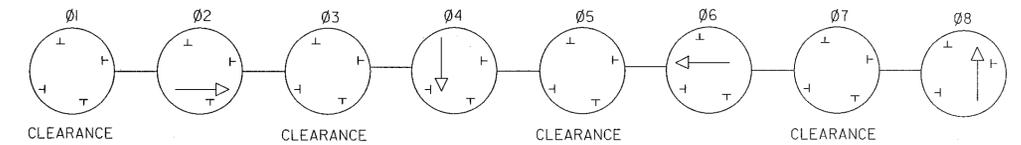
**PROPOSED SIGNING**



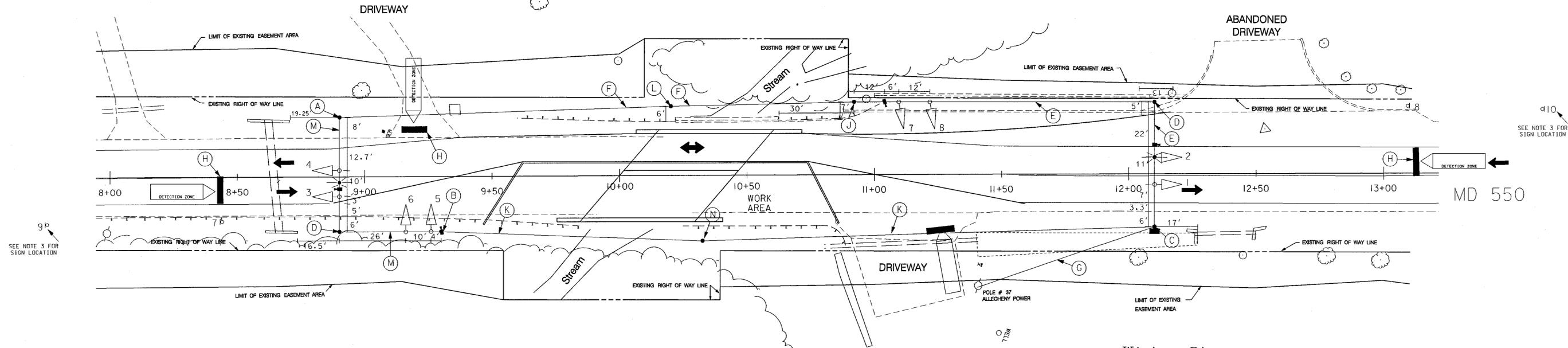
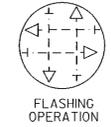
**PROPOSED SIGNALS**



**NEMA PHASING**



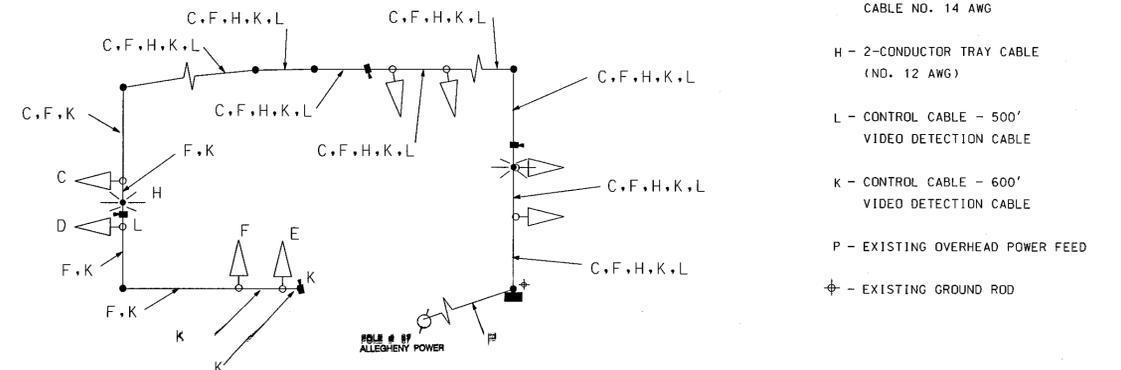
**Phasing Notes:**  
 1.) Phases associated by a dashed line will operate concurrently.  
 2.) Phases associated by a solid line will not operate concurrently.  
 3.) Phase 4 call shall omit phase 3 clearance.  
 4.) Phase 4 shall call phase 5 clearance.



**CONSTRUCTION DETAILS**

- A. EXISTING 40' WOOD POLE
- B. EXISTING 40' WOOD POLE WITH AUTOSCOPE CAMERA, SIDE MOUNTED
- C. EXISTING 40' WOOD POLE WITH NEMA SIZE 5 POLE MOUNTED CABINET
- D. EXISTING 50' WOOD POLE WITH 15' BRACKET ARM, AUTOSCOPE CAMERA, 250 WATT HPS VAPOR LAMP AND LUMINAIRE AS SHOWN
- E. EXISTING 3/8" STEEL SPAN WIRE AND SIGNAL HEADS AS SHOWN
- F. INSTALL 3/8" STEEL SPAN WIRE WITH MESSENGER RINGS
- G. OVERHEAD POWER FEED
- H. INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT LINE MARKINGS (SOLID WHITE FOR STOP BAR)
- J. EXISTING 40' WOOD POLE WITH AUTOSCOPE CAMERA, MOUNTED ON 15' LUMINAIRE BRACKET ARM
- K. REMOVE EXISTING 3/8" SPAN WIRE AND ASSOCIATED WIRING
- L. INSTALL 40' WOOD POLE
- M. REMOVE EXISTING SIGNAL WIRING AND RE-WIRE HARDWARE AS SHOWN IN THE WIRING DIAGRAM. EXISTING 3/8" STEEL SPAN WIRE TO REMAIN.
- N. REMOVE EXISTING 40' WOOD POLE

**Wiring Diagram (NOT TO SCALE)**



- C.F. - 5-CONDUCTOR ELECTRICAL CABLE NO. 14 AWG
- H - 2-CONDUCTOR TRAY CABLE (NO. 12 AWG)
- L - CONTROL CABLE - 500' VIDEO DETECTION CABLE
- K - CONTROL CABLE - 600' VIDEO DETECTION CABLE
- P - EXISTING OVERHEAD POWER FEED
- ⊕ - EXISTING GROUND ROD

**MAINTENANCE OF TRAFFIC - STAGE 2  
TEMPORARY SIGNAL DESIGN**

GEOMETRIC LEGEND	
PROPOSED	—————
EXISTING	- - - - -
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	— A — A —
ELECTRIC	— E — E —
TELEPHONE	— T — T —
GAS	— G — G —
SEWER	— S — S —
WATER	— W — W —
CABLE TV	— TV — TV —

REVISIONS	

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
*Office of Traffic & Safety*  
**TRAFFIC ENGINEERING DESIGN DIVISION**

**REPLACEMENT OF BRIDGE NO. 10060 ON  
MD 550 OVER BRANCH OF FRIENDS CREEK**

DRAWN BY: D.J.R.	F.A.P. NO. SEE TITLE SHEET	TS NO. 4290	SHEET NO.
CHECKED BY: A.K.B.	S.H.A. NO. FR3415180	T.I.M.S. NO. F900	10 OF 55
SCALE: 1"=20'	COUNTY: FREDERICK	LOG MILE: 10055021.22	
DATE: Dec 2003			