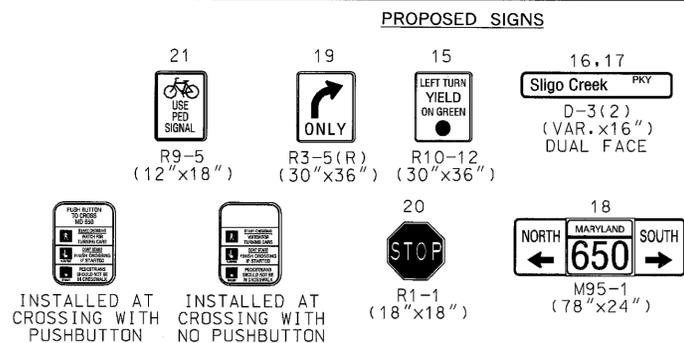




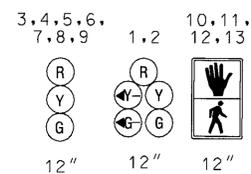
MD 650 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION



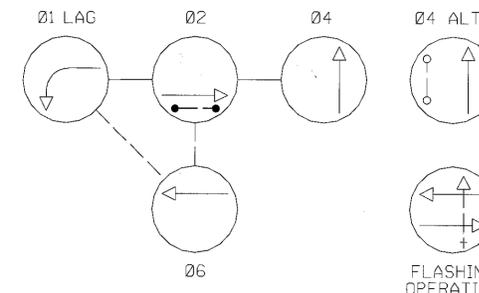
**EXISTING SIGN TO BE RELOCATE**



**PROPOSED SIGNALS**



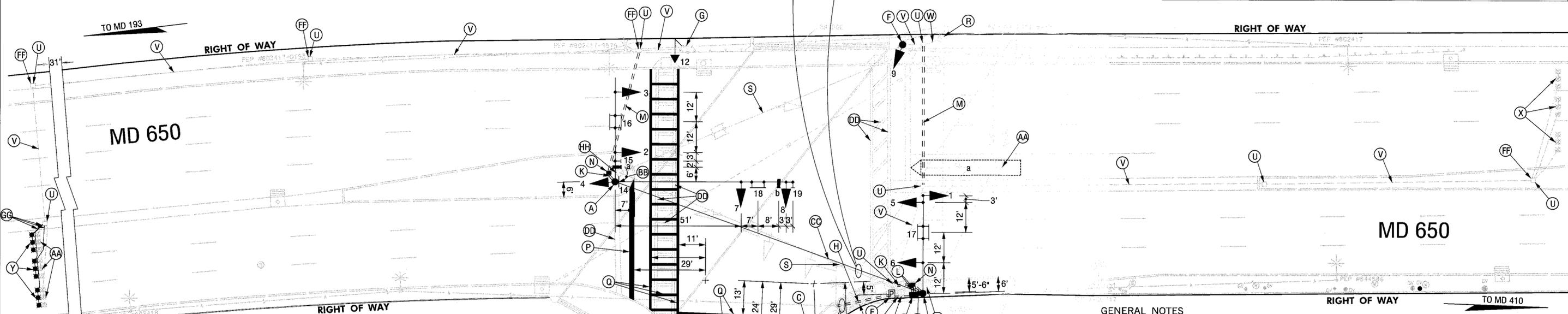
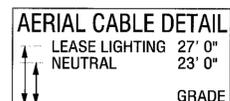
**NEMA PHASING**



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

**PROPOSED VIDEO DETECTION**

a, b

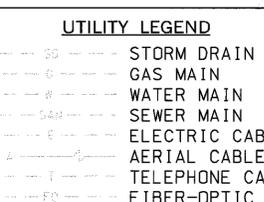
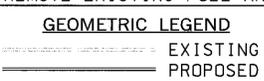
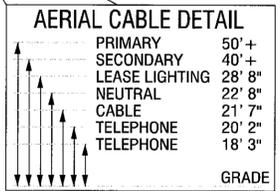


**CONSTRUCTION DETAILS**

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT. (CUT DOWN TO 40 FT.) AND 70 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, OVERHEAD VIDEO DETECTION CAMERA AND 3 IN. WEATHER HEAD. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT DOWN TO 21 FT.) WITH 38 FT. MAST ARM WITH SIGNAL HEADS, OVERHEAD VIDEO DETECTION CAMERA AND 3 IN. WEATHER HEAD. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL CONCRETE FOUNDATION WITH A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- E. INSTALL 200 AMP METERED SERVICE PEDESTAL.
- F. REMOVE EXISTING PEDESTAL POLE AND ALL ASSOCIATED EQUIPMENT AND INSTALL 14 FT. PEDESTAL POLE AND SIGNAL HEAD ON EXISTING FOUNDATION.
- G. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS FROM PEDESTAL POLE AND INSTALL NEW PEDESTRIAN SIGNAL HEADS AND SIGN.
- H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. STUB-UP CONDUIT BEND AT BASE OF EXISTING UTILITY POLE, COIL 35 FT. OF SLACK CABLE (3-WIRE, 1-CONDUCTOR NO. 4/0 AWG) FOR POWER FEED. SERVICE CONNECTION SHALL BE MADE BY POWER COMPANY.
- J. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- M. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- N. INSTALL HANDHOLE.
- P. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- Q. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- R. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- S. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- T. REMOVE EXISTING POLE, POLE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- U. USE EXISTING HANDHOLE.
- V. USE EXISTING CONDUIT.
- W. CAP AND ABANDON EXISTING CONDUIT.
- X. USE EXISTING MICRO-LOOP PROBES. DISCONNECT FROM EXISTING CONTROLLER CABINET AND PULL BACK LEAD-IN CABLE AND RE-ROUTE THUR NEW CONDUIT SYSTEM TO NEW CONTROLLER CABINET.
- Y. INSTALL MICRO-LOOP PROBES WITH 1000 FT. LEAD-IN.
- AA. DISCONNECT AND REMOVE EXISTING DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURE SAND CONTROLLER.
- BB. REMOVE EXISTING GROUND MOUNTED SIGN AND ONTO MAST ARM POLE.
- CC. INSTALL 1/4 IN. SPAN WIRE WITH MESSENGER RINGS FOR SIGNAL CABLES.
- DD. REMOVE EXISTING PAVEMENT MARKINGS.
- EE. REMOVE AND REPLACE SIDEWALK.
- FF. ADJUST HANDHOLE TO GRADE AND INSTALL NEW FRAME AND COVER.
- GG. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE).
- HH. REMOVE WOOD POLE AND ALL ASSOCIATED EQUIPMENT AND BACKFILL.
- JJ. REMOVE EXISTING STOP SIGN.

**GENERAL NOTES**

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. 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 THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
7. 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.
8. CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN CONDUIT SYSTEM.



**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 650 AND SLIGO CREEK PARKWAY**

APPROVALS	
TEAM LEADER	
ASST. DIV.	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
11-15-04	SIGNAL RECONSTRUCTION
03/27	ADD PED. SIGNAL TO NORTH LEG OF MD 650 & REBUILD ALL DETECTORS
8-9-86	RELOC. N/B MC COND TO MEDIAN, CHANGE PVC LOOP DET. TO SAWCUT
	ERS SR DRW DW TH

TRAFFIC SIGNAL PLAN	
SCALE 1"=20'	DATE N/A
DESIGNED BY J. SPENCE	COUNTY PRINCE GEORGE'S
DRAWN BY J. SPENCE	LOGMILE 16065001.25
CHECKED BY N/A	T.I.M.S. NO. G713
F.A.P. NO. N/A	TOD NO.
DRAWING NO. TS-373D	SHEET NO. 1 OF 2

**SABRA, WANG & ASSOCIATES, INC.**  
 1504 JOH AVENUE  
 SUITE 160  
 BALTIMORE, MD 21227  
 (410) 737-6564  
 WWW.SABRA-WANG.COM