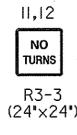
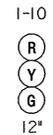
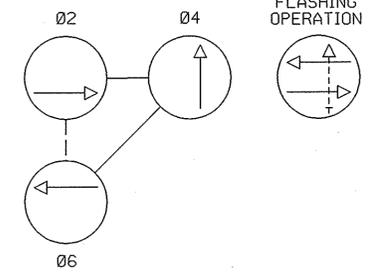


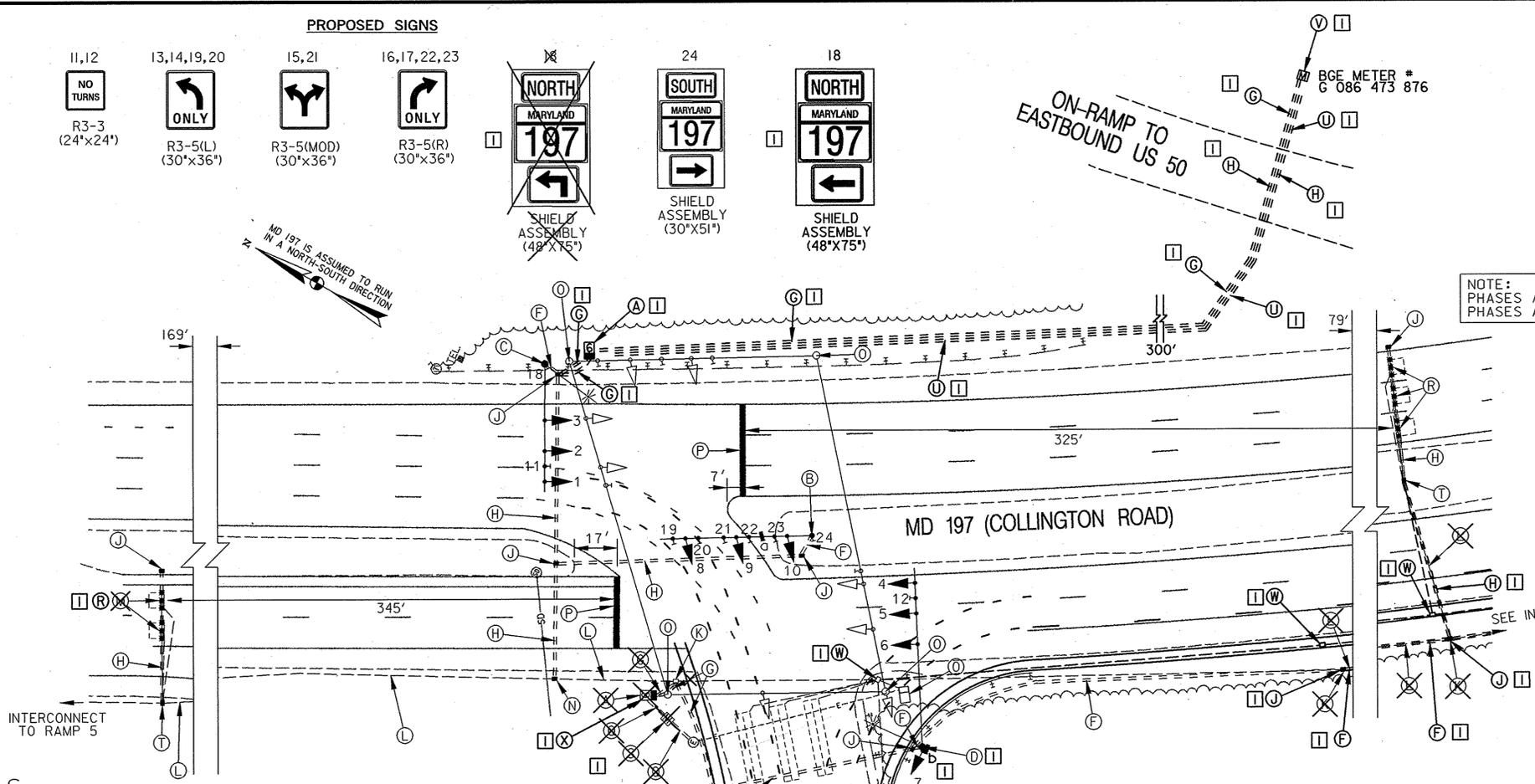
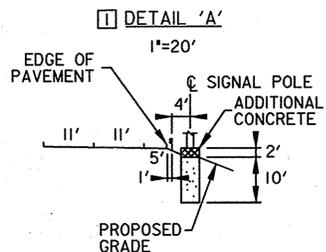
**PROPOSED SIGNALS**



**NEMA PHASING**



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



**CONSTRUCTION DETAILS**

- A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET, CONTROLLER, AND ELECTRICAL UTILITY EQUIPMENT, WITH ALL NECESSARY EQUIPMENT (NOTE: 1-2 IN. AND 2-4 IN. 90 DEGREE BENDS)
- B. INSTALL 27 FT. STEEL POLE WITH 60 FT. MAST ARM, VEHICULAR SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
- C. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICULAR SIGNAL HEADS, SIGNS, AND A 20-FT. LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE WITH PHOTOCCELL. (NOTE: 1-3 IN. PVC 90 DEGREE BEND) VIDEO DETECTION CAMERA
- D. INSTALL 27 FT. STEEL POLE WITH 70 FT. MAST ARM, VEHICULAR SIGNAL HEADS, SIGNS, AND A 20-FT. LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE WITH PHOTOCCELL. (NOTE: 1-3 IN. PVC 90 DEGREE BEND) SEE DETAIL 'A'.
- E. INSTALL 27 FT. STEEL POLE WITH 60 FT. MAST ARM AND SIGNS AT STATION 15+00 (SEE ROADWAY PLAN FOR BASE LINE)
- F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- G. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
- H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
- J. INSTALL HANDHOLE
- K. USE EXISTING HANDHOLE
- L. USE EXISTING CONDUIT
- M. INSTALL NON INVASIVE MICROLOOP PROBE WITH 500 FT. LEAD-IN CABLE
- N. INTERCEPT EXISTING CONDUIT, INSTALL HANDHOLE, AND PULL AND REROUTE EXISTING INTERCONNECT CABLE PER WIRING DIAGRAM
- O. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT
- P. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE
- Q. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR POWER SERVICE TO BE INSTALLED BY BGE
- R. INSTALL NON-INVASIVE MICROLOOP PROBE WITH 1000 FT. LEAD-IN CABLE
- S. INSTALL METERED SERVICE PEDESTAL
- T. REPLACE EXISTING HANDBOX AND ORIENTATE SO THAT LONG SIDE IS PERPENDICULAR TO THE ROADWAY

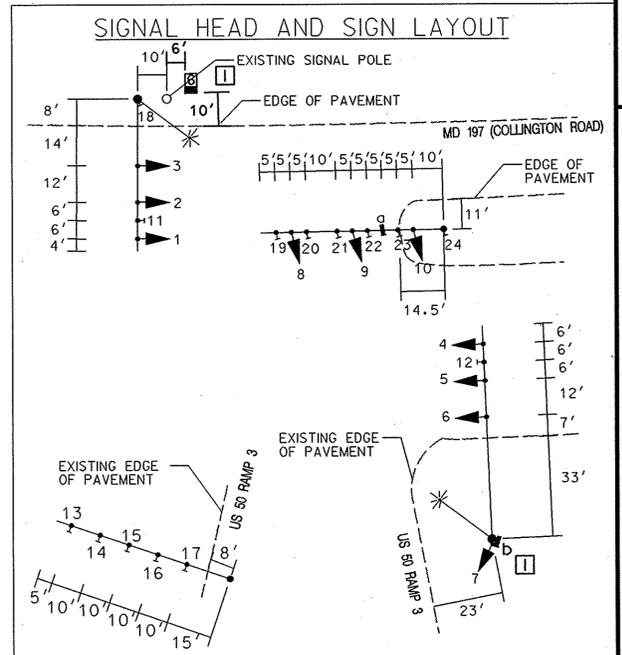
**UTILITY LEGEND**

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

- U. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR FUTURE ELECTRICAL SERVICE. THE CONTRACTOR SHALL CAP, MARK AND STUB WITH PULL STRING, 5 FOOT FROM PROPOSED CABINET AND 5 FOOT FROM THE EXISTING METER, FOR USE BY OTHERS.
- V. USE EXISTING METERED SERVICE PEDESTAL
- W. REMOVE EXISTING HANDHOLE
- X. REMOVE CONCRETE FOUNDATION 12 INCHES BELOW GRADE

**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. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN STOP LINES DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED 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 LABELING EACH CABLE. THE CONTRACTOR SHALL NOTIFY THE SIGNAL SHOP 72 HOURS PRIOR TO CONSTRUCTION TO COORDINATE THE DISCONNECTION AND RECONNECTION OF INTERCONNECT CABLES.
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE SHA ENGINEER.
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. ALL EXISTING LOOP DETECTORS WILL BE ABANDONED.
9. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STEEL STRAIN POLES AND SIGNAL HEADS, REMOVE THE EXISTING CABINET, AND REMOVE ALL EXISTING SPAN MOUNTED SIGNS. THE CONTRACTOR SHALL DISPOSE OF ALL ABANDONED CABLE.



**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 197 (COLLINGTON ROAD) AT  
US 50 (JOHN HANSON HIGHWAY)

APPROVALS	REVISIONS	TRAFFIC SIGNALIZATION PLAN	
TEAM LEADER		SCALE 1"=30'	DATE 1-25-88
ASST. DIV.		DESIGNED BY D. J. FINGERLOS	COUNTY PRINCE GEORGE'S
DIV. CHIEF		DRAWN BY H. A. BADGETT	LOGMILE 16019701.53
OFFICE DIRECTOR		CHECKED BY H. A. BADGETT	T.I.M.S. NO.
		F.A.P. NO.	TOD NO.
		DRAWING NO. TS-2462A	OF SHEET NO. 12 OF 21

PLOTTED: MONDAY, AUGUST 01, 2005 AT 9:37 PM  
FILE: I:\PROJECTS\11294\06US50MD197\SIGNAL\PSG-P001.MD197.DGN

BY: THOMPSON

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