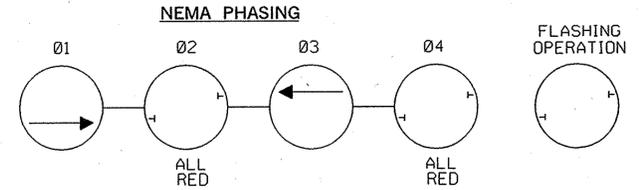
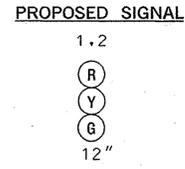
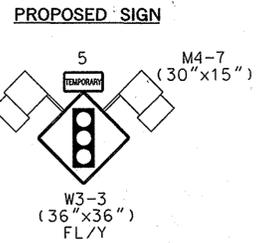
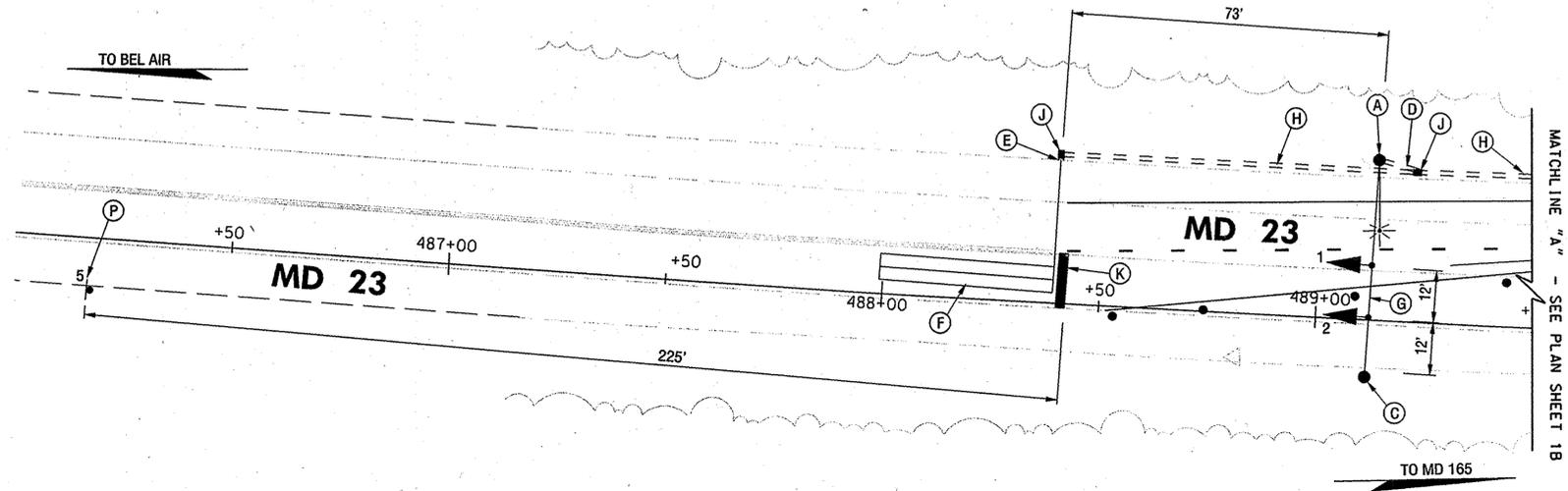


MD 23 IS ASSUMED TO RUN
IN A NORTH / SOUTH DIRECTION



NOTE:
PHASES ASSOCIATED BY A SOLID LINE WILL OPERATE SEQUENTIAL.



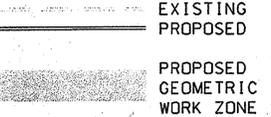
CONSTRUCTION DETAILS

- A. INSTALL 40 FOOT WOOD POLE WITH 3/8 IN. SPAN WIRE, ONE 3 INCH CONDUIT RISER (25 FT. MAX.) WITH 3 IN. WEATHERHEAD, 15 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE. STA. 489+12.37', LT..
- B. INSTALL A 20 FOOT WOOD POLE WITH A NEMA SIZE 5 POLE MOUNTED CONTROLLER CABINET BAND TO THE WOOD POLE. (NOTE: ONE 2 INCH CONDUIT RISER AND ONE 3 INCH CONDUIT RISER DOWN TO GRADE). STA. 494+54.18' RT.
- C. INSTALL 40 FOOT WOOD POLE WITH 3/8 IN. SPAN WIRE. STA. 489+12' 13', RT.
- D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED STUB UP TO THE BASE OF WOOD POLE.
- E. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
- F. INSTALL 6 FT. X 40 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING. (3-6-3 TURNS)
- G. INSTALL 3/8 IN. SPAN WIRE TO WOOD POLE WITH LED VEHICULAR TRAFFIC SIGNAL HEADS AS SHOWN ON PLAN.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- J. INSTALL HANDHOLE.
- K. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE. STA. 487+00 FOR NORTHBOUND TRAFFIC AND STA. 499+92 FOR SOUTHBOUND TRAFFIC
- L. INSTALL 200 AMP METER SERVICE PEDESTAL.
- M. ATTACH 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT TO TOP OF BRIDGE PARAPET WALL ON THE BACKSIDE OF THE METAL FENCE AND THE INSIDE OF THE BRIDGE RAILING WITH NECESSARY HARDWARE AT 20 FT. SPACING INTERVALS.
- N. LOCATE CONDUIT BEND, INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- O. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED TO TRANSFORMER.
- P. INSTALL W3-3 SIGN GROUND MOUNTED ON 4 IN. X 4 IN. WOOD POST.
- Q. INSTALL A 3 IN. CONDUIT BEND (STUB-UP) AT THE BASE OF THE BRIDGE PARAPET WALL, ATTACH A 3 IN. CONDUIT RISER TO THE CONDUIT BEND APPROXIMATELY 3 FT. HIGH, AT THE TOP OF THE BRIDGE WALL (AND THE CONDUIT RISER) ATTACH 3 IN. CONDUIT BEND (STUB-DOWN).
- R. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED STUB-UP TO BASE OF WOOD POLE.
- S. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORE.

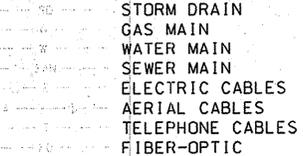
GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 2. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- 5. ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.

GEOMETRIC LEGEND



UTILITY LEGEND



SABRA, WANG & ASSOCIATES, INC.
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WWW.SABRA-WANG.COM

APPROVALS	REVISIONS
<i>[Signature]</i> 10-17-06 TEAM LEADER, TRAFFIC ENGINEERING DIVISION	
<i>[Signature]</i> 10-17-06 ASST. CHIEF TRAFFIC ENGINEERING DIVISION	
<i>[Signature]</i> 10/17/06 CHIEF TRAFFIC ENGINEERING DIVISION	
<i>[Signature]</i> 10/17 DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
REPLACEMENT OF SUPERSTRUCTURE AND REHABILITATION OF SUBSTRUCTURE FOR BRIDGE No. 12064 ON MD 23 over MORSE RD
HARFORD COUNTY, MARYLAND

SIGNAL PLAN MOT PHASE 1 (SHEET 1A)			
SCALE 1"=20'	DATE 10/2006	CONTRACT NO. HA2835180	
DESIGNED BY S. SMITH	COUNTY HARFORD		
DRAWN BY J. WOOD	LOGMILE		
CHECKED BY S. RENZI	TMS NO. 1033		
FAP NO.	TOD NO.		
TS NO. 231071	DRAWING 1 OF 6	SHEET NO. 10 OF 60	