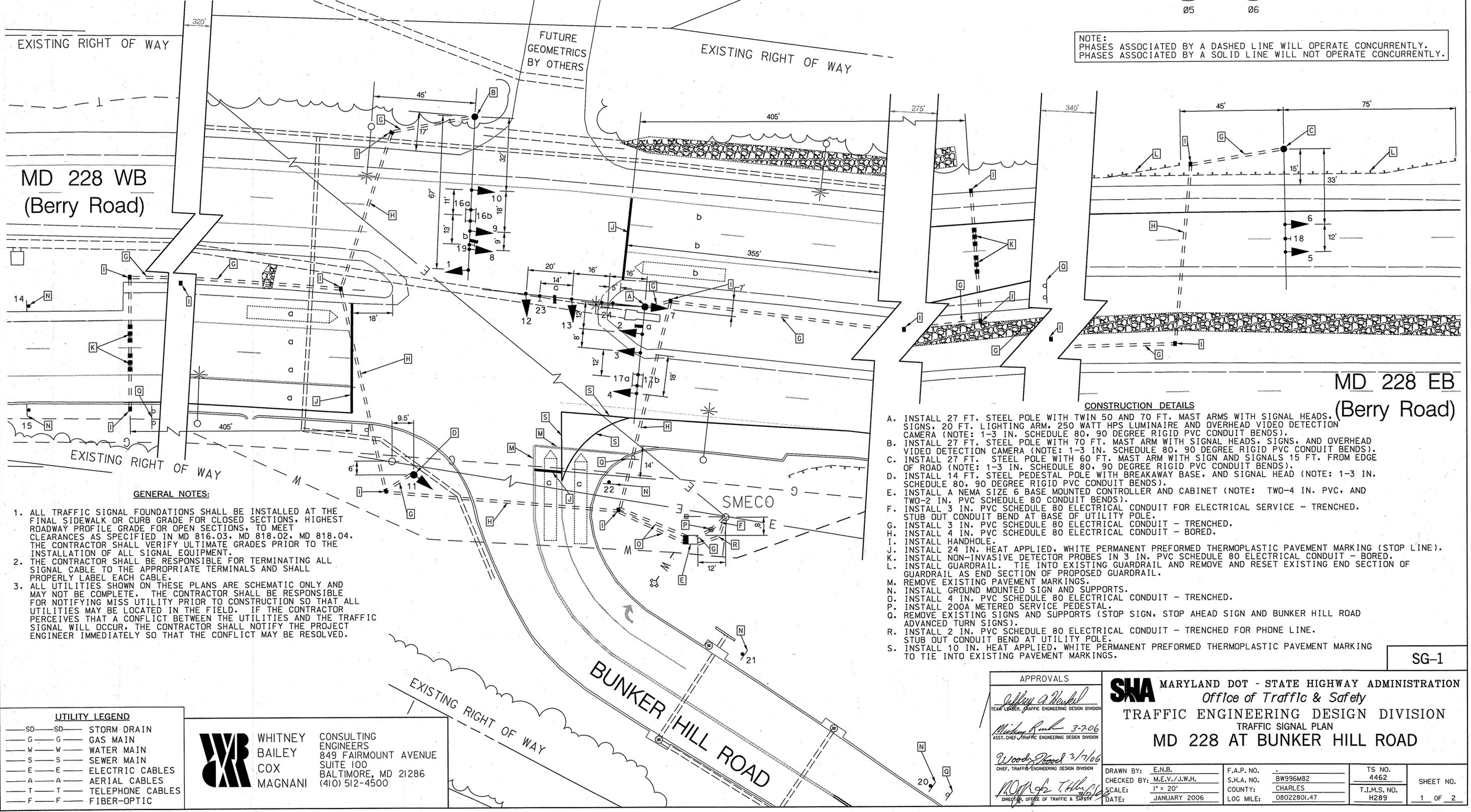


MD 228 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

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



EXISTING RIGHT OF WAY

FUTURE GEOMETRICS BY OTHERS

EXISTING RIGHT OF WAY

MD 228 WB (Berry Road)

MD 228 EB (Berry Road)

GENERAL NOTES:

1. 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 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.
3. ALL 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.

CONSTRUCTION DETAILS

- A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 AND 70 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE RIGID PVC CONDUIT BENDS).
- B. INSTALL 27 FT. STEEL POLE WITH 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, AND OVERHEAD VIDEO DETECTION CAMERA (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE RIGID PVC CONDUIT BENDS).
- C. INSTALL 27 FT. STEEL POLE WITH 60 FT. MAST ARM WITH SIGN AND SIGNALS 15 FT. FROM EDGE OF ROAD (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE RIGID PVC CONDUIT BENDS).
- D. INSTALL 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, AND SIGNAL HEAD (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE RIGID PVC CONDUIT BENDS).
- E. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
- G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- I. INSTALL HANDHOLE.
- J. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- K. INSTALL NON-INVASIVE DETECTOR PROBES IN 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- L. INSTALL GUARDRAIL. TIE INTO EXISTING GUARDRAIL AND REMOVE AND RESET EXISTING END SECTION OF GUARDRAIL AS END SECTION OF PROPOSED GUARDRAIL.
- M. REMOVE EXISTING PAVEMENT MARKINGS.
- N. INSTALL GROUND MOUNTED SIGN AND SUPPORTS.
- O. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- P. INSTALL 200A METERED SERVICE PEDESTAL.
- Q. REMOVE EXISTING SIGNS AND SUPPORTS (STOP SIGN, STOP AHEAD SIGN AND BUNKER HILL ROAD ADVANCED TURN SIGNS).
- R. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED FOR PHONE LINE. STUB OUT CONDUIT BEND AT UTILITY POLE.
- S. INSTALL 10 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING TO TIE INTO EXISTING PAVEMENT MARKINGS.

SG-1

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 |

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W. J. H. ...
 DIRECTOR, OFFICE OF TRAFFIC & SAFETY

SKA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 TRAFFIC SIGNAL PLAN
 MD 228 AT BUNKER HILL ROAD

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|---------------------------|-----------------------|-------------------|------------------|
| DRAWN BY: E.N.B. | F.A.P. NO. 4462 | TS NO. 4462 | SHEET NO. 1 OF 2 |
| CHECKED BY: M.E.V./J.W.H. | S.H.A. NO. BW996M82 | T.I.M.S. NO. H289 | |
| SCALE: 1" = 20' | COUNTY: CHARLES | | |
| DATE: JANUARY 2006 | LOG MILE: 08022801.47 | | |

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