



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

MD 450 ASSUMED TO RUN IN AN EAST/WEST DIRECTION

MD 450 WB (ANNAPOLIS RD.)

MD 450 EB (ANNAPOLIS RD.)

MD 953 SB (GLENN DALE RD.)

UTILITY HEIGHTS:
 COMMUNICATION - 22' 6"
 GUY - 23' 2"
 COMMUNICATION - 28' 2"
 TRIPLEX - 35' 10"
 HIGH VOLTAGE - 40' +

CONSTRUCTION DETAILS:

- A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERAS, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND PHOTOCELL. INSTALL COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL CONCRETE FOUNDATION FOR A 21 FT. STEEL POLE WITH 38 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- E. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01) AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- F. INSTALL NEMA S BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-4 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- G. INSTALL METERED SERVICE PEDestal EMBEDDED.
- H. INSTALL HANDHOLE.
- I. INSTALL HANDHOLE ORIENTED FOR NON-EVASIVE PROBES.
- J. INSTALL HANDHOLE ORIENTED FOR NON-EVASIVE PROBES.
- K. INSTALL NON-INVASIVE DETECTOR AND LEAD IN CABLE.
- L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- M. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- Q. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- R. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- S. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, PROVIDE CONDUIT BEND AT BASE OF UTILITY POLE.
- T. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- U. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSS WALK.
- V. INSTALL GROUND MOUNTED SIGNS MOUNTED ON TWO 4"x6" POSTS.
- W. USE EXISTING HANDHOLE.
- X. USE EXISTING CONDUIT.
- Y. USE EXISTING LUMINAIRE AND RE-WIRE TO NEW SERVICE PEDESTAL.
- Z. REMOVE EXISTING SIGNAL POLE, SPAN WITH ALL ATTACHED EQUIPMENT AND FOUNDATION 12 IN. BELOW GROUND GRADE AND BACKFILL OVERHEAD SERVICE TO BE REMOVED BY BGE.
- AA. REMOVE EXISTING HANDHOLE.
- BB. CAP AND ABANDON EXISTING CONDUIT.
- CC. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
- DD. REMOVE EXISTING SIGNAL CABINET 12 IN. BELOW GROUND GRADE AND BACKFILL.
- EE. REMOVE EXISTING PAVEMENT MARKING.
- FF. PULL BACK INTERCONNECT CABLE, DEAD END THEN RE-ROUTE TO PROPOSED SIGNAL POLE 'B'.
- GG. USE EXISTING LOOP DETECTORS AND PULL BACK LEAD IN CABLE AND RE-DIRECT TO THE NEW CABINET.

GEOMETRIC LEGEND
 --- EXISTING
 --- PROPOSED

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

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 SHA 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 LABEL EACH CABLE.
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 PROJECT 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. THE CONTRACTOR SHALL CONTACT ED RODENHIZER AT THE SIGNAL SHOP (410) 787-7650 TO DELIVER APS EQUIPMENT FOR TESTING.
9. THE CONTRACTOR SHALL WORK ONE QUADRANT AT A TIME AND MAINTAIN PEDESTRIAN ACCESSIBILITY TO ALL OTHER QUADRANTS.

TOD NO: XX439-03
 SHA NO: PG995B52
 MD 450 @ MD 953

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 450 (ANNAPOLIS RD.) AT
 MD 953 (GLENN DALE RD.)
 GLENN DALE, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 9/1990 CONTRACT NO. N/A

DESIGNED BY _____ COUNTY PRINCE GEORGE'S
 DRAWN BY _____ LOGMILE 1604507.9
 CHECKED BY N/A TIMS NO. _____
 F.A.P. NO. _____ TOD NO. _____

TS NO. 3083D DRAWING OF SHEET NO. 1 OF 3

APPROVALS	REVISIONS
TEAM LEADER	12/11 TMS-K992 SHA NO. XX4395185 REMOVE AND REPLACE EXISTING SIGNALS - RECONSTRUCT 2ND QUADRANT
ASST. DIR. CHIEF	DM 12/12 R.P.S.M. 1/11
DIVISION CHIEF	C AUGUST 1996 #178 MODIFY EXISTING SIGNAL SHA NO. P09005171
OFFICE DIRECTOR	JDM MAR DDB BRK THK
	B 2/91 CHANGE SIGNALS TO POLYCARBONATE, ADJUST SPAN SHA. NO. 855-2503-039

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