



PHASING NOTES:
 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- INSTALL BASE MOUNTED CABINET (S-TYPE WITH BATTERY BACKUP) AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS).
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - BORED.
- INSTALL NON-INVASIVE, MICRO-LOOP PROBE.
- INSTALL 24 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.
- INSTALL 5 IN. SOLID YELLOW, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.
- INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS).
- INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS).
- INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS. CUT, CLEAN AND GALVANIZE SIGNAL POLE AT 21 FT. (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS).
- INSTALL W3-3 SIGN APPROXIMATELY 400' IN ADVANCE OF THE STOPBAR ON TWO-4 IN. X 6 IN. WOOD SUPPORTS.
- REMOVE EXISTING PAVEMENT MARKING LINE.
- INSTALL METERED SERVICE PEDESTAL.
- INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, SIGN, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, RIGID PVC, 90 DEGREE CONDUIT BENDS).
- INSTALL 2 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 5 IN. SOLID WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FROM EXISTING PAVEMENT MARKING LINE TO STOPBAR.
- INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - BORED.

GENERAL NOTES

- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
- 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 UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- 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 CLEARANCE 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.
- ALL INTERNAL CABINET WIRING TO BE PERFORMED BY THE STATE HIGHWAY ADMINISTRATION SIGNAL SHOP.
- THE LOCATION OF PROPOSED GEOMETRIC'S MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- SEE INTERCONNECT PLAN (SHEET 3 OF 3) FOR ADDITIONAL CONSTRUCTION DETAILS.
- PRIOR TO INSTALLATION OF SIGNAL FOUNDATION AND POLE, THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE WITH OVERHEAD UTILITIES.

UTILITY HEIGHTS

1 TELEPHONE	= 20' - 4"
TELEPHONE	= 21' - 4"
TELEPHONE	= 22' - 3"
SECONDARY	= 23' - 7"
SECONDARY	= 27' - 0"
SECONDARY	= 29' - 4"
PRIMARY	= 35' - 0"

GEOMETRIC LEGEND

EXISTING	---
PROPOSED	---

UTILITY LEGEND

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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APPROVALS

TEAM LEADER	11-21-12
ASST. CHIEF	11-21-12
DIVISION CHIEF	11-21-12
OFFICE DIRECTOR	11/21/12

REVISIONS

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION

MD 175 (ANNAPOLIS RD.) AND McCARRON CT./PARKSIDE BLVD. HANOVER, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE 10-23-2012 CONTRACT NO. BW996M82

DESIGNED BY	T. ZAYDEL	COUNTY	ANNE ARUNDEL
DRAWN BY	T. ZAYDEL	LOGMILE	02017507.89
CHECKED BY	K. SCHMID	T.I.M.S. NO.	LT18
F.A.P. NO.	NA	TOD NO.	

DRAWING NO. TS 4877 SHEET NO. 1 OF 3