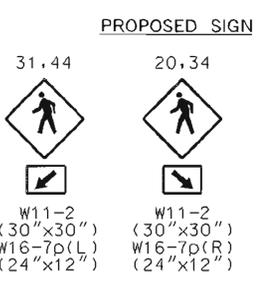


**LINE HEIGHTS (LH) 1**

GUY WIRE	- 19' - 1"
COMMUNICATION	- 23' - 9"
GUY WIRE	- 35' +
PRIMARY	- 40' +

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



- GENERAL NOTES**
- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
  - THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
  - 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.
  - THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
  - THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE AND CABINET LOCATION(S) PRIOR TO INSTALLATION.
  - SEE GENERAL INFORMATION SHEET FOR PROPOSED TRAFFIC SIGNAL EQUIPMENT LAYOUTS.
  - ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
  - VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE MDSHA ENGINEER.
  - THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL THE RECONSTRUCTED TRAFFIC SIGNAL IS OPERATIONAL.
  - THE CONTRACTOR SHALL REMOVE AND REPLACE ALL IMPACTED CONCRETE SIDEWALK AT THE NEAREST JOINT.

- CONSTRUCTION DETAILS**
- INSTALL 16.5 FT. STEEL POLE WITH A 15 FT. "T" DIMENSION, 70 FT. MAST ARM (CUT TO 60 FT.), FOUNDATION, LED TRAFFIC SIGNAL HEADS AND VIDEO DETECTION CAMERA. (NOTE: 1-3 IN. PVC 90 DEGREE BEND).
  - INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. 90 DEGREE BENDS).
  - INSTALL METERED SERVICE PEDESTAL (NOTE: 3-2 IN. AND 1-4 IN. PVC 90 DEGREE BENDS WITH 3/4 IN. CONDUIT FOR GROUND WIRE).
  - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND POWER SERVICE, CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB AT UTILITY POLE FOR USE BY OTHERS.
  - INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE, CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT UTILITY POLE FOR USE BY OTHERS.
  - INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
  - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
  - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
  - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
  - INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).
  - USE EXISTING HANDHOLE.
  - USE EXISTING CONDUIT.
  - USE EXISTING SIGNAL EQUIPMENT.
  - INSTALL ELECTRICAL HANDHOLE.
  - REMOVE EXISTING VIDEO DETECTION CAMERA AND REPLACE WITH NEW VIDEO DETECTION CAMERA IN EXISTING LOCATION.
  - DISCONNECT, PULL AND RE-ROUTE EXISTING INTERCONNECT FROM EXISTING POLE MOUNTED CABINET TO PROPOSED BASE MOUNTED CABINET (SEE WIRING DIAGRAM FOR DETAILS).
  - INSTALL NON-INVASIVE MICROLOOP PROBE SET.
  - ABANDON EXISTING DETECTOR.
  - REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER FROM EXISTING SIGNAL POLE.
  - INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK HATCHING PER MUTCD SECTION 3B-17.
  - REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORT AND INSTALL NEW GROUND MOUNTED SIGNS ON ONE 4 IN. X 6 IN. WOOD SUPPORT.
  - INSTALL GROUND MOUNTED SIGNS ON ONE 4 IN. X 6 IN. WOOD SUPPORT.
  - INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).
  - REMOVE SIGN 21. EXISTING SIGN SUPPORT, SIGNS 22, 55 AND 56 ARE TO REMAIN.
  - INSTALL LED SIGN ON MAST ARM.

**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

**GEOMETRIC LEGEND**

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1 REDLINE REVISION NO. 1 MAY 2011  
 TEDD APPROVAL  
 SHA NO. XX3535168

**APPROVALS**

TEAM LEADER	ASSIST. DIV. CHIEF	DIVISION CHIEF	OFFICE DIRECTOR

**REVISIONS**

1	INSTALL SIGNAL INDICATIONS AT INTERSECTION OF MD 5 AT MD 5A	SHA NO. XX3535168	TMS NO. 1039	12/2010
2	PROVIDE VIDEO DETECTION FOR THE ENTIRE INTERSECTION	SHA NO. XX3535168	TMS NO. 1645	4/2011
3	INSTALL NEW SIGNAL EQUIPMENT DUE TO POLE KNOCK-DOWN	SHA NO. XX3535168	TMS NO. 1645	4/2011

**SHA** STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF TRAFFIC & SAFETY  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 MD 5 (POINT LOOKOUT ROAD) AND MD 246 (GREAT MILLS ROAD)  
 GREAT MILLS, MD

**TRAFFIC SIGNALIZATION PLAN**

SCALE 1" = 30'	ADVERTISED DATE 05/09/1985	CONTRACT NO. 860-18001
DESIGNED BY DONALD DISTANCE	COUNTY ST. MARY'S	
DRAWN BY B. SMITH	LOGMILE 18000517.20	
CHECKED BY STEVE RENZI	TMS NO.	
F.A.P. NO.	TIM NO.	
TS NO. 2071H	DRAWING SG-01 OF 2	SHEET NO. 1 OF 2

**STV**  
 STV Incorporated  
 7125 Ambassador Road, Suite 200  
 Baltimore, MD 21244  
 www.stvinc.com

BY: tamovk