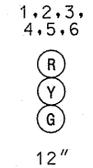


MD 177 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

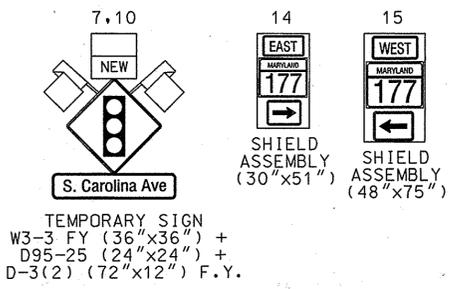
PROPOSED LED SIGNALS



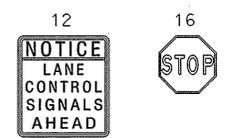
PROPOSED VIDEO DETECTION



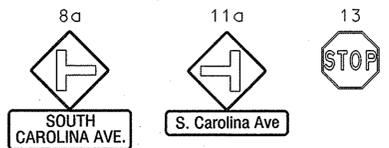
PROPOSED SIGNS



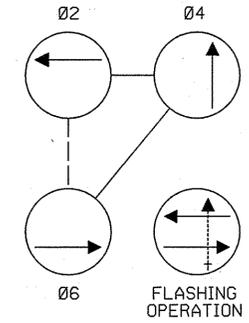
EXISTING SIGNS TO REMAIN



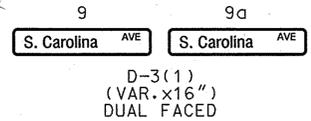
EXISTING SIGNS TO BE REMOVED BY D-5 MAINTENANCE



NEMA PHASING

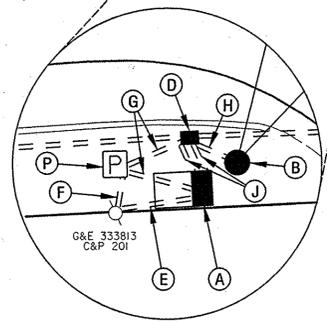
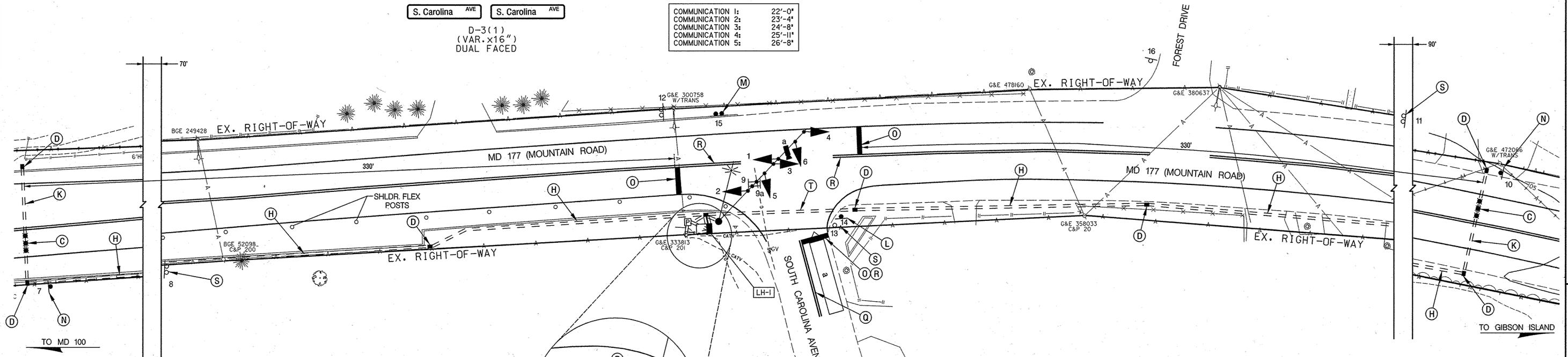


NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

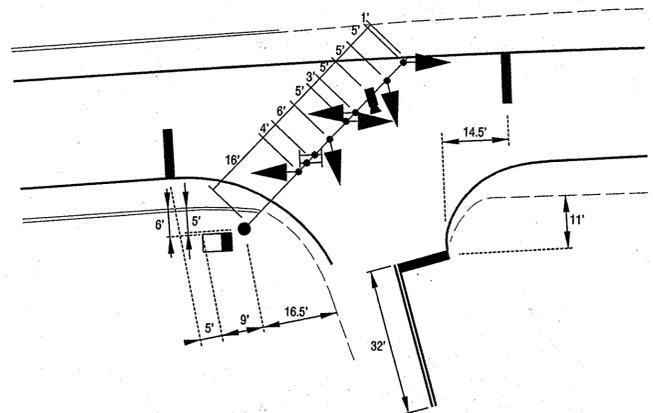


LINE HEIGHTS (LH-I)

COMMUNICATION 1:	22'-0"
COMMUNICATION 2:	23'-4"
COMMUNICATION 3:	24'-8"
COMMUNICATION 4:	25'-11"
COMMUNICATION 5:	26'-8"



PROPOSED SIGNAL EQUIPMENT AND PAVEMENT MARKING DETAIL
NOT TO SCALE



CONSTRUCTION DETAILS

- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. SCHEDULE 80 PVC 90 DEGREE BENDS).
- INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, FOUNDATION, LED TRAFFIC SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERA, AND 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1-3 IN. SCHEDULE 80 PVC 90 DEGREE BEND).
- INSTALL NON-INVASIVE MICROLOOP PROBE SET.
- INSTALL ELECTRICAL HANDHOLE.
- 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) - FOR PROPOSED UNDERGROUND POWER 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 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED).
- INSTALL GROUND MOUNTED SIGN ON ONE 4 INCH X 6 INCH WOOD POST.
- INSTALL GROUND MOUNTED SIGN ON TWO 4 IN. X 4 IN. WOOD POSTS.
- INSTALL GROUND MOUNTED SIGN AND ASSOCIATED FLAGS ON ONE 4 IN. X 6 IN. WOOD POST. DISTRICT 5 MAINTENANCE WILL REMOVE THE D95-25 SIGNS AND FLAGS THREE MONTHS AFTER INSTALLATION.
- INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
- INSTALL METERED SERVICE PEDESTAL (NOTE: 3 - 2 IN. 90 DEGREE PVC BENDS).
- INSTALL 5 IN. HEAT APPLIED DOUBLE YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- REMOVE EXISTING PAVEMENT MARKINGS.
- EXISTING GROUND MOUNTED SIGN AND SUPPORTS TO BE REMOVED BY D-5 MAINTENANCE.
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)

GENERAL NOTES

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSA 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.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- 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. ALL SIGNAL CABLES SHALL BE INSTALLED IN CONFORMANCE WITH MDSA STANDARDS.
- THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE AND CABINET LOCATION(S) PRIOR TO INSTALLATION.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- DISTRICT 5 MAINTENANCE SHALL REMOVE THE SHOULDER FLEX POSTS ONCE THE SIGNAL HAS BEEN ACTIVATED.
- THE SHA SIGNAL SHOP SHALL NOTIFY DISTRICT 5 MAINTENANCE IN ADVANCE WHEN SIGNAL WORK SHALL BE COMPLETED.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 177 (MOUNTAIN ROAD)
AT SOUTH CAROLINA AVENUE

TOD NO: AT915-34
SHA NO: AA487ASC/BSC
MD177@SOUTH CAROLINA AVE

APPROVALS	REVISIONS
 TEAM LEADER 2/12/2008	
 ASST. DIV. CHIEF 2/12/08	
 OFFICE DIRECTOR 2/12/08	

SIGNALIZATION PLAN SHEET			
SCALE 1"=20'	ADVERTISED DATE 1-25-2008	CONTRACT NO. AT9155185	
DESIGNED BY MCG	COUNTY ANNE ARUNDEL		
DRAWN BY AMT	LOGMILE 02017706.90		
CHECKED BY BAB	TMS NO. I-493		
F.A.P. NO.	TOD NO.		
TS NO. 4637	DRAWING SG-01	OF 02	SHEET NO. 1 OF 2

STV Incorporated
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7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND

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