

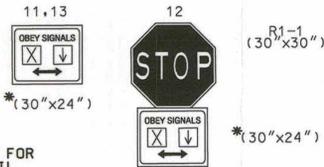


US 29 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

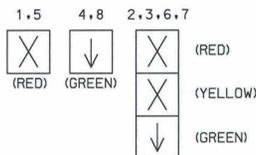
### STATION #5

PROPOSED SIGNS      PROPOSED LED LANE CONTROL SIGNALS

PROPOSED GROUND MOUNTED SIGNS

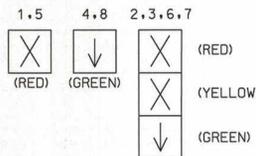


\*SEE SG-01 FOR SIGN DETAIL

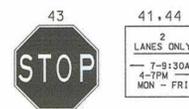


### STATION #4

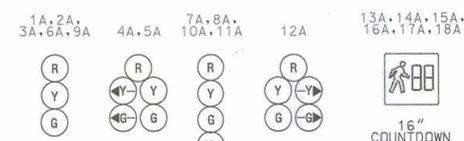
PROPOSED SIGNS      PROPOSED LED LANE CONTROL SIGNALS



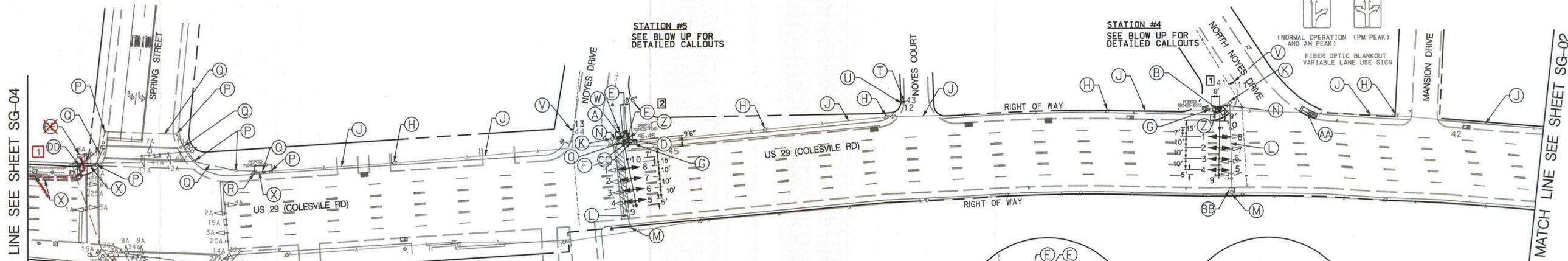
EXISTING SIGNS TO BE REMOVED



EXISTING SIGNALS



EXISTING SIGNS TO REMAIN

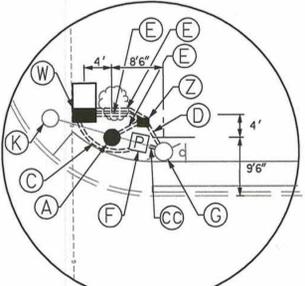


1 AT PROPOSED POLE OVERHEAD UTILITY ELEVATIONS

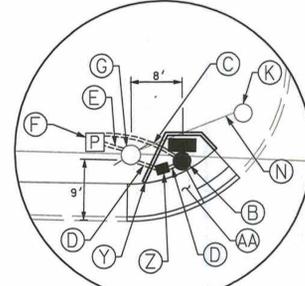
COMM	18'-0"
COMM	18'-6"
GUIDE	19'-3"
COMM/IC	20'-8"
CABLE	21'-9"
COMM	23'-0"
SECONDARY	> 30'
PRIMARY	> 30'

2 AT PROPOSED POLE OVERHEAD UTILITY ELEVATIONS

COMM	19'
COMM	20'
COMM	21'
SECONDARY	> 25'
PRIMARY	> 30'



STATION #5  
N.T.S.



STATION #4  
N.T.S.

#### CONSTRUCTION DETAILS

- INSTALL 16.5' PAINTED MAST ARM POLE WITH SPECIAL 'T' DIMENSION WITH 60' MAST ARM. LED LANE CONTROL SIGNAL HEADS AND SIGNS. (NOTE: INSTALL 1-2" AND 1-4" (SCHEDULE 80), 90 DEGREE CONDUIT BENDS)
- INSTALL 16.5' PAINTED MAST ARM POLE WITH SPECIAL 'T' DIMENSION WITH 60' MAST ARM. SIZE 5 POLE MOUNTED CONTROLLER CABINET, LED LANE CONTROL SIGNAL HEADS AND SIGNS. (NOTE: INSTALL 1-2" AND 1-3" (SCHEDULE 80), 90 DEGREE CONDUIT BENDS)
- INSTALL 2" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 100 AMP METERED SERVICE PEDESTAL WITH BYPASS LEVER.
- USE EXISTING UTILITY POLE. INSTALL 1-4" PVC RISER FOR POWER. INSTALL 1-3" PVC RISER AND 12-PAIR SELF-SUPPORTING COMMUNICATION CABLE. REMOVE EXISTING OVERHEAD INTERCONNECT CABLE.
- USE EXISTING UTILITY POLE. REMOVE EXISTING INTERCONNECT CABLE. INSTALL 12-PAIR SELF-SUPPORTING JELLY-FILLED COMMUNICATION CABLE.
- REMOVE EXISTING INTERCONNECT CABLE. LASH 12-PAIR JELLY-FILLED COMMUNICATION CABLE TO MONTGOMERY COUNTY FIBER. INSTALL 12-PAIR SELF-SUPPORTING COMMUNICATION CABLE.
- REMOVE EXISTING STRAIN POLE AND POLE MOUNTED CABINET. REMOVE FOUNDATION 12" BELOW GRADE.
- REMOVE OVERHEAD SPAN WIRE, LANE CONTROL SIGNALS, SIGNS AND ALL ASSOCIATED WIRE.
- REMOVE EXISTING STRAIN POLE AND FOUNDATION 12" BELOW GRADE.
- REMOVE EXISTING OVERHEAD INTERCONNECT CABLE.
- USE EXISTING SIGNAL HANDHOLE (FOR INTERCONNECT).
- USE EXISTING CONDUIT. INSTALL 12-PAIR JELLY-FILLED COMMUNICATION CABLE. SELF-SUPPORTING
- USE EXISTING UTILITY POLE. INSTALL 1-3" PVC RISER AND 12-PAIR JELLY-FILLED SELF-SUPPORTING COMMUNICATION CABLE FOR INTERCONNECT BETWEEN STATION 5 AND STATION 6. INSTALL 1-3" PVC RISER AND 12-PAIR JELLY-FILLED COMMUNICATIONS CABLE BETWEEN STATION 5 AND STATION 6. SELF-SUPPORTING
- REMOVE EXISTING OVERHEAD INTERCONNECT CABLE. MONTGOMERY COUNTY SPLICE BOX. REMOVE EXISTING OVERHEAD INTERCONNECT CABLE.
- NOT USED.
- INSTALL GROUND MOUNTED SIGN(S) ON 4"x6" WOOD SUPPORT(S).
- REMOVE GROUND MOUNTED SIGN.
- INSTALL GROUND MOUNTED SIGN(S) ON EXISTING SUPPORT(S).
- INSTALL BASE MOUNTED TYPE 'S' CABINET AND MASTER/LOCAL CONTROLLERS. (NOTE: INSTALL 2-2" AND 2-4" SCHEDULE 80, 90° CONDUIT BENDS).
- INSTALL 4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED. REPLACE DAMAGED SIDEWALK IN KIND AS NECESSARY.
- CONSTRUCT A RETAINING WALL USING 4"x6" WOOD SUPPORTS. SEE DETAIL ON DRAWING SG-01.
- INSTALL STD. NO. MD 655.12 MODIFIED PARALLEL SIDEWALK RAMP WITH STD. NO. 655.40 DETECTABLE WARNING SURFACES.
- REPLACE SIDEWALK AROUND REMOVED STRAIN POLE TO NEAREST JOINT.
- INSTALL 4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4" POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED. WITH 35' OF SLACK FOR ALL 3 WIRES OF 1-CONDUCTOR, (NO. 2 0 AWG THHN) FOR POWER SERVICE TO BASE OF UTILITY POLE FOR PROPOSED ELECTRICAL SERVICE.
- INSTALL HANDHOLE. REPLACE DAMAGED SIDEWALK & ADA RAMPS IN KIND AS NECESSARY.
- USE EXISTING POWER SUPPLY FOR STATION 6.

#### GENERAL NOTES:

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL, EXCEPT AS STATED ON THE GENERAL INFORMATION SHEET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 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 THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT 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 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.
- ALL CONDUIT ENDING AT A UTILITY POLE SHALL BE STUBBED OUT ONE (1) FOOT ABOVE GROUND.
- PROPOSED SIGNAL POLES TO BE PAINTED 'TIGER GREEN' PER CITY OF SILVER SPRING STANDARD.
- CONTACT MR. BOB RICKETTS (301-879-3681) AT LEAST 72 HOURS PRIOR TO ANY WORK WITH THE INTERCONNECT.

EXISTING SIGNS TO REMAIN CON'T



1 REDLINE REVISION NO.1 3-18-2013  
TEDD APPROVAL

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 29 (COLESVILLE RD)  
FROM SLIGO CREEK PKW TO MD 97 (GEORGIA AVE)  
(REVERSIBLE LANE USE CONTROL SYSTEM)

ADDENDUM 4-30-12

**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

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http://www.pbworld.com

APPROVALS  
TEAM LEADER  
ASST. DIV. CHIEF  
DIVISION CHIEF  
OFFICE DIRECTOR

REVISIONS

RECONSTRUCT REVERSIBLE LANE CONTROL STATIONS WITH MAST ARM POLES & LED HEADS	2/14/12
REPAIR/RECONSTRUCT DUE TO LANE USE CHANGES, ADD NEW REVERSIBLE LANE STATIONS	4/92

SIGNAL PLAN

SCALE	1" = 50'	DATE	AUGUST 02, 1979	CONTRACT NO.	M. 405-501-385
DESIGNED BY	H. KILIAN	COUNTY	MONTGOMERY		
DRAWN BY	J.S.	LOGMILE	15002900.82 TO 15002901.74		
CHECKED BY		TIMS NO.			
FAP NO.		TOD NO.			
TS NO.	1727XB	DRAWING	SG-03 OF 06	SHEET NO.	06 OF 11