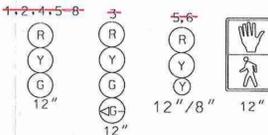


US 29 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

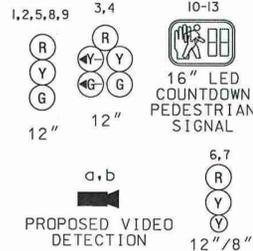
EXISTING SIGNS TO BE REMOVED



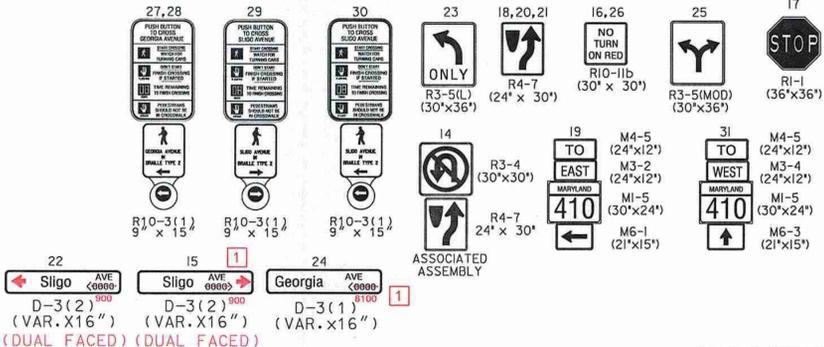
EXISTING SIGNALS TO BE REMOVED



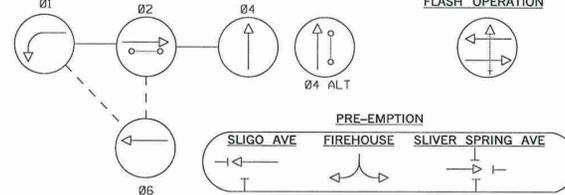
PROPOSED SIGNALS



PROPOSED SIGNS



NEMA PHASING



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

CONSTRUCTION DETAILS:

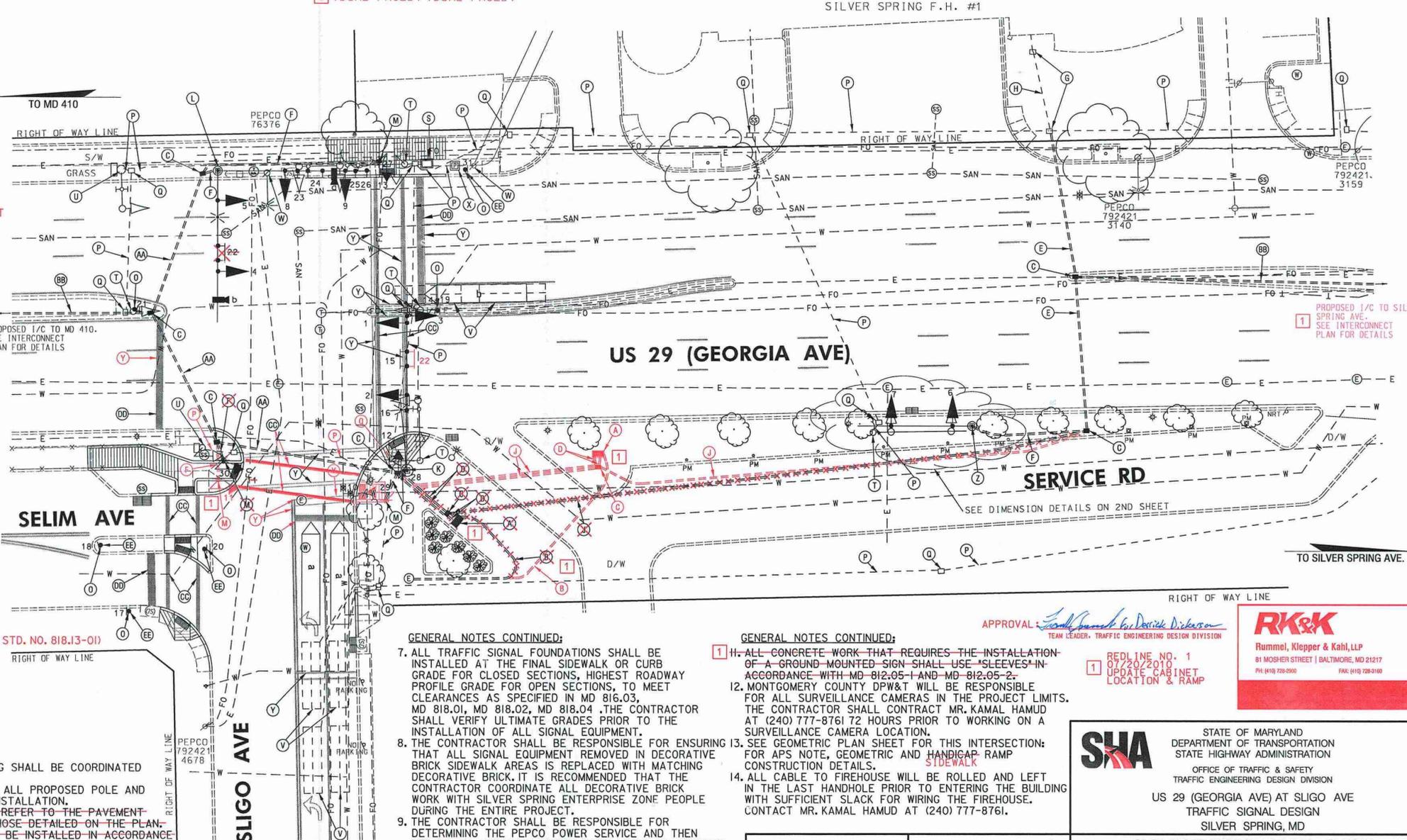
- A. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. SCHEDULE 80 CONDUIT BENDS)
- B. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FROM MANHOLE TO TRAFFIC SIGNAL CABINET (SERVICE COORDINATED BY TRAFFIC OPERATIONS DIVISION - SHA).
- C. INSTALL HANDHOLE.
- D. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. (REMOVE AND RESET BRICK AS NECESSARY)
- E. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. (REMOVE AND RESET BRICK AS NECESSARY)
- G. USE EXISTING HANDHOLE.
- H. USE EXISTING CONDUIT.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED. REMOVE AND RESET BRICK AS NECESSARY.
- K. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE (\*T\* DIMENSION 15' - MD STD. NO. 818.13-01) WITH 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 2-20 FT. LIGHTING ARMS, LUMINAIRES, PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN (NOTE: POLE, MAST ARM, LIGHTING ARM AND STREET LIGHT HOUSING TO BE PAINTED TIGER DRYLACK GREEN RAL 6009, WITH TWO 3 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- L. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE (\*T\* DIMENSION 15' - MD STD. NO. 818.13-01) WITH TWIN 50/50 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, LUMINAIRE, OVERHEAD VIDEO DETECTION CAMERAS, PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN (NOTE: POLE, MAST ARMS, LIGHTING ARM AND STREET LIGHT HOUSING TO BE PAINTED TIGER DRYLACK GREEN RAL 6009, WITH TWO 3 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- M. INSTALL CONCRETE FOUNDATION FOR 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD STD. NO. 818.16-01), COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN (NOTE: POLE TO BE PAINTED TIGER DRYLACK GREEN RAL 6009) WITH ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND.
- O. INSTALL GROUND MOUNTED SIGN ON SQUARE PERFORATED TUBULAR STEEL SIGN SUPPORT WITH ANCHOR BASE.
- P. CAP AND ABANDON EXISTING CONDUIT.
- Q. REMOVE EXISTING HANDHOLE.
- S. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. (RETURN CABINET AND ASSOCIATED EQUIPMENT TO MONTGOMERY COUNTY SIGNAL SHOP.)
- T. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- U. REMOVE EXISTING POLE, POLE MOUNTED CONTROLLER, POLE MOUNTED CAMERA, MAST ARM ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. (RETURN CAMERA, CABINET AND ASSOCIATED EQUIPMENT TO MONTGOMERY COUNTY SIGNAL SHOP.)
- V. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES SIGNAL STRUCTURES AND CONTROLLER, CAP AND ABANDON EXISTING EQUIPMENT.
- W. REMOVE EXISTING UTILITY POLE AND ASSOCIATED EQUIPMENT.
- X. REMOVE METERED SERVICE PEDESTAL.
- Y. REMOVE EXISTING PAVEMENT MARKINGS 16.5
- Z. INSTALL CONCRETE FOUNDATION FOR A 16' FT. STEEL POLE (\*T\* DIMENSION = 15' - MD STD. NO. 818.13-01) WITH 38 FT MAST ARM (MD STD. NO. 818.09); TRAFFIC SIGNAL HEADS. (NOTE: POLE AND MAST ARM TO BE PAINTED TIGER DRYLACK GREEN RAL 6009, WITH TWO 3 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- AA. INSTALL 2-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- BB. PROPOSED INTERCONNECT SHOWN FOR INFORMATION PURPOSE ONLY, SEE INTERCONNECT PLAN FOR CONDUIT DETAILS.
- CC. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALKS.
- DD. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
- EE. REMOVE EXISTING GROUND MOUNTED SIGNS).

- GENERAL NOTES:**
1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE PROJECT ENGINEER.
  2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
  3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
  4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL, EXCEPT THE ITEMS DETAILED IN EQUIPMENT LIST C.
  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.

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

UTILITY LEGEND	
---	GAS MAIN
---	WATER MAIN
---	SEWER MAIN
---	ELECTRIC CABLES
---	TELEPHONE CABLES
---	FIBER-OPTIC



GENERAL NOTES CONTINUED:

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 BE RESPONSIBLE FOR ENSURING THAT ALL SIGNAL EQUIPMENT REMOVED IN DECORATIVE BRICK SIDEWALK AREAS IS REPLACED WITH MATCHING DECORATIVE BRICK. IT IS RECOMMENDED THAT THE CONTRACTOR COORDINATE ALL DECORATIVE BRICK WORK WITH SILVER SPRING ENTERPRISE ZONE PEOPLE DURING THE ENTIRE PROJECT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PEPCO POWER SERVICE AND THEN UTILIZE AN APPROVED PEPCO CONTRACTOR TO CONNECT THE POWER FEED FROM THE PEPCO MANHOLE TO THE METER SOCKET.
10. WHEN FEASIBLE THE CABINET SHOULD BE ORIENTED TO FACE US 29, HOWEVER, THE FINAL LOCATION OF THE CABINET SHALL BE APPROVED BY THE PROJECT ENGINEER.

GENERAL NOTES CONTINUED:

11. ALL CONCRETE WORK THAT REQUIRES THE INSTALLATION OF A GROUND MOUNTED SIGN SHALL USE SLEEVES IN ACCORDANCE WITH MD 812.05-1 AND MD 812.05-2.
12. MONTGOMERY COUNTY DPW&T WILL BE RESPONSIBLE FOR ALL SURVEILLANCE CAMERAS IN THE PROJECT LIMITS. THE CONTRACTOR SHALL CONTRACT MR. KAMAL HAMUD AT (240) 777-8761 72 HOURS PRIOR TO WORKING ON A SURVEILLANCE CAMERA LOCATION.
13. SEE GEOMETRIC PLAN SHEET FOR THIS INTERSECTION; FOR APS NOTE, GEOMETRIC AND HANDICAP RAMP CONSTRUCTION DETAILS.
14. ALL CABLE TO FIREHOUSE WILL BE ROLLED AND LEFT IN THE LAST HANDHOLE PRIOR TO ENTERING THE BUILDING WITH SUFFICIENT SLACK FOR WIRING THE FIREHOUSE. CONTACT MR. KAMAL HAMUD AT (240) 777-8761.

APPROVAL: *Scott James, Jr. / Derrick Dickerson*  
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

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**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 29 (GEORGIA AVE) AT SLIGO AVE  
TRAFFIC SIGNAL DESIGN  
SILVER SPRING, MD

APPROVALS	REVISIONS	SIGNALIZATION PLAN SHEET		
<p>TEAM LEADER</p> <p>ASST. DIV. CHIEF</p> <p>DIVISION CHIEF</p> <p>OFFICE DIRECTOR</p>	<p>07/09 TMS NO. J721 SHA NO. MD2165168 RECONSTRUCT SIGNAL AND SIGNAL SYSTEM</p> <p>08/05 TMS NO. F892 SHA NO. BW528M83 REVISE FIRE PRE-EMPTION REPLACE CABINET AND CONTROLLER</p>	SCALE 1" = 20'	DATE 09/20/08	CONTRACT NO. BW528M83
		DESIGNED BY	COUNTY	MONTGOMERY
		DRAWN BY	LOGMILE	15002900.39
		CHECKED BY	TMS NO.	J721
		F.A.P. NO.	TOD NO.	
		TS NO. 42858	DRAWING	1 OF 3
			SHEET NO.	14 OF 26

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