



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

EXISTING SIGNS TO BE REMOVED



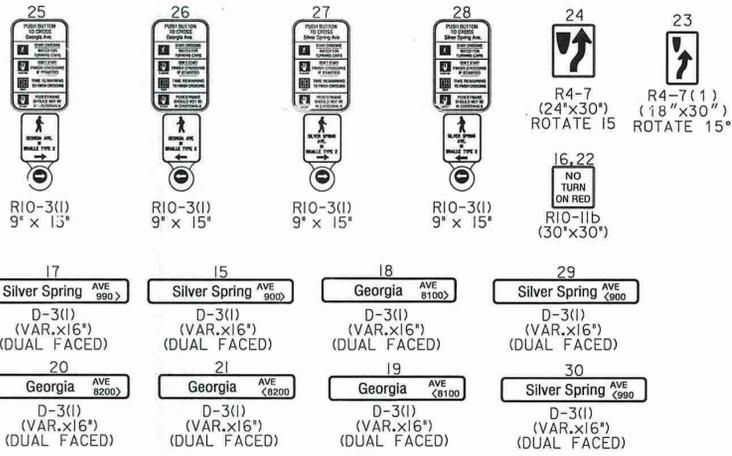
EXISTING SIGNALS TO BE REMOVED



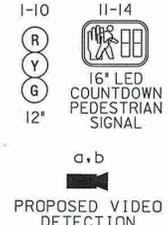
EXISTING SIGNS TO REMAIN



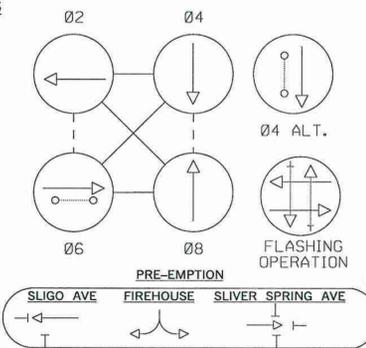
PROPOSED SIGNS



PROPOSED SIGNALS



NEMA PHASING

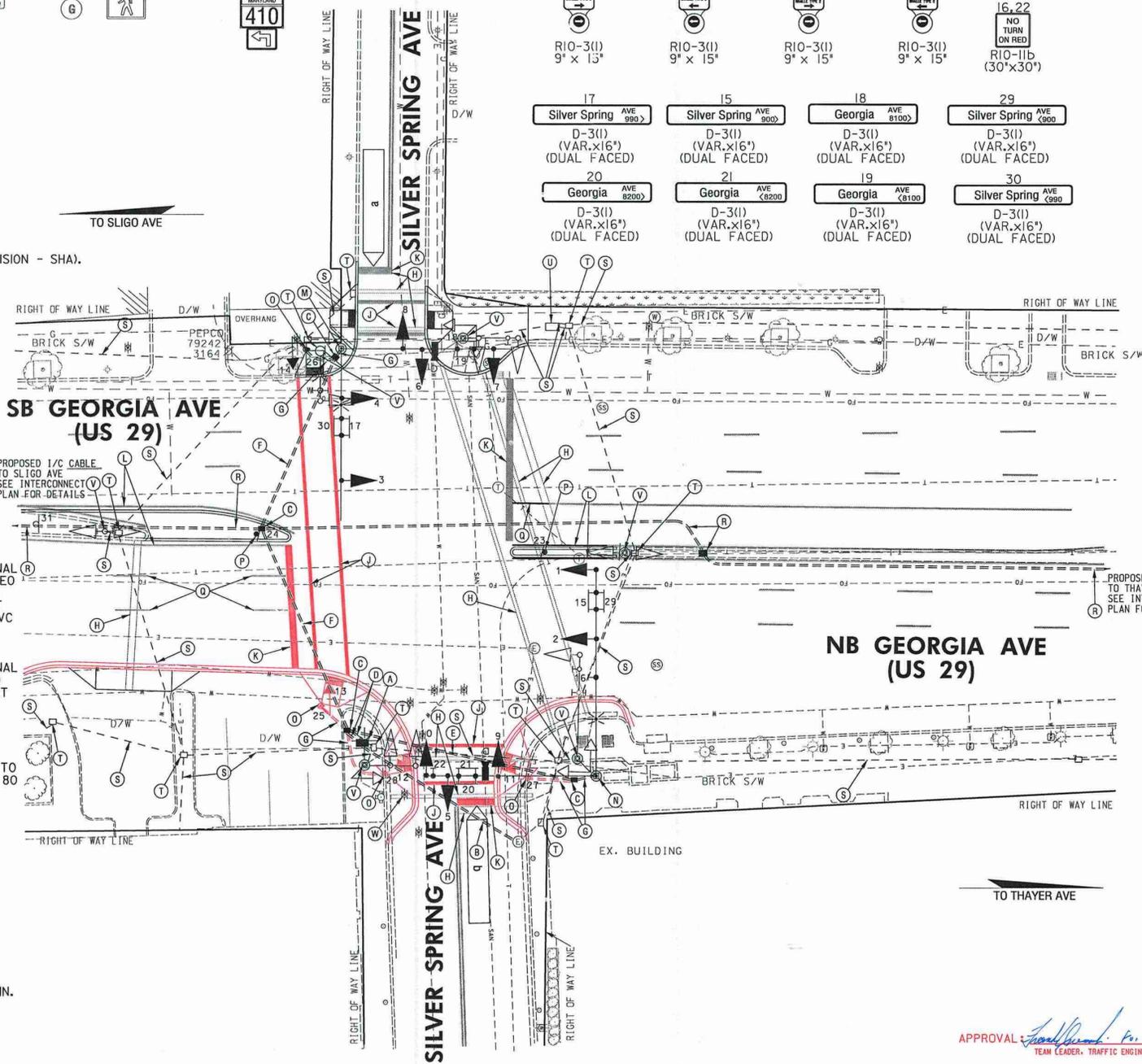


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

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. 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.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. 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.
6. 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.
7. 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 THE SILVER SPRING REGIONAL CENTER/URBAN DISTRICT. CONTACT YVETTE FREEMAN AT (240) 773-2080 OR (301) 565-7300.
8. 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.
9. 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.
10. 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.
11. SEE GEOMETRIC PLAN SHEET FOR THIS INTERSECTION; FOR APS NOTE, GEOMETRIC AND SIDEWALK RAMP CONSTRUCTION DETAILS.

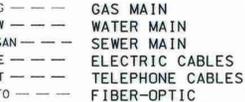
- CONSTRUCTION DETAILS:
A. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. SCHEDULE 80 CONDUIT BENDS).
B. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FROM MANHOLE TO TRAFFIC SIGNAL CABINET (SERVICE COORDINATED BY TRAFFIC OPERATIONS DIVISION - SHA).
C. INSTALL HANDHOLE.
D. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL 4 IN. PVC. SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED
F. INSTALL 2-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - SLOTTED IN ONE TRENCH.
G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
H. REMOVE EXISTING PAVEMENT MARKING
J. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PERFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALKS.
K. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PERFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
L. INSTALL 5 IN. HEAT APPLIED, SOLID YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING AT MEDIAN.
M. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE (*T* DIMENSION 15 FT. - MD STD. NO. 818.13-01) WITH TWIN 50/50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE, OVERHEAD VIDEO DETECTION CAMERA, 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).
N. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE (*T* DIMENSION 15 FT. - MD STD. NO. 818.13-01) WITH TWIN 50/50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA (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).
O. 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. REFER TO MD STD. NO. 801.01-01 FOR MODIFIED FOUNDATION DETAIL.
P. INSTALL GROUND MOUNTED SIGN ON SQUARE PERFORATED TUBULAR STEEL SIGN SUPPORT WITH ANCHOR BASE.
Q. INSTALL 5 IN. HEAT APPLIED, SOLID WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
R. PROPOSED INTERCONNECT SHOWN FOR INFORMATION PURPOSE ONLY, SEE INTERCONNECT PLAN FOR CONDUIT DETAILS.
S. CAP AND ABANDON EXISTING CONDUIT.
T. REMOVE EXISTING HANDHOLE.
U. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. RETURN CABINET AND ASSOCIATED EQUIPMENT TO MONTGOMERY COUNTY SIGNAL SHOP.
V. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL, RETURN VIDEO DETECTION CAMERAS TO MONTGOMERY COUNTY SIGNAL SHOP.
W. ADJUST WATER VALVE FRAME AND COVER TO FINAL SIDEWALK GRADE (BY OTHERS). CONTACT WASHINGTON SUBURBAN SANITARY COMMISSION TO COORDINATE.



GEOMETRIC LEGEND



UTILITY LEGEND



APPROVAL: [Signature] P. Derrick Dickerson, TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

RED LINE NO. 1 07/20/2010 INSERT SHEET

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

SIGNALIZATION PLAN SHEET

Table with columns for SCALE, DATE, CONTRACT NO., DESIGNED BY, COUNTY, DRAWN BY, LOGMILE, CHECKED BY, TIMS NO., FAP NO., TOD NO., TS NO., DRAWING, SHEET NO.

APPROVALS table with columns for TEAM LEADER, ASST. DIR. CHIEF, DIVISION, OFFICE DIRECTOR.

REVISIONS table with columns for DATE, REVISION, BY.

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PLOTTED: Tuesday, July 20, 2010 AT 02:46 PM FILE: \\kvm\c2006\2006\08148_tccodes\us29_us_29_intersections\cadd\us29-FOOT_US29@SilverSpringAve.dgn