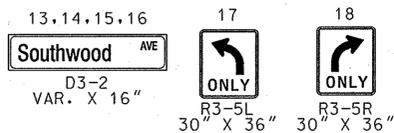
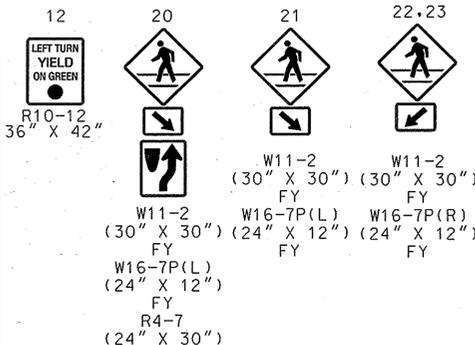


U.S. 29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

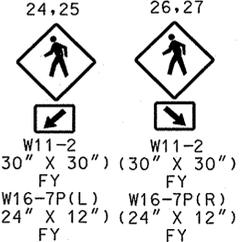
EXISTING SIGNS TO REMAIN



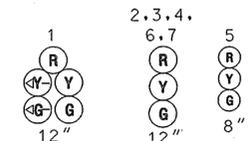
EXISTING SIGNS TO BE REMOVED OR RELOCATED



PROPOSED SIGNS



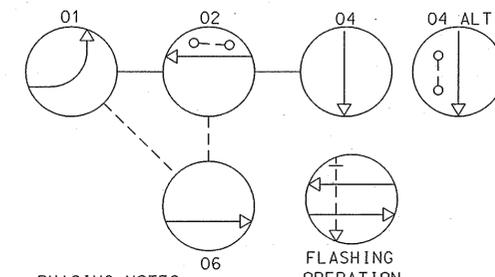
EXISTING SIGNALS TO REMAIN



EXISTING SIGNALS TO BE REMOVED



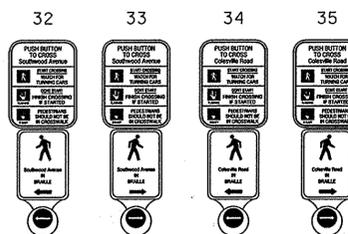
NEMA PHASING



PHASING NOTES:

- 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

PROPOSED AUDIBLE PUSHBUTTON AND SIGN



PROPOSED VIDEO DETECTION CAMERAS

R10-4(1)
9"x12"

a, b, c

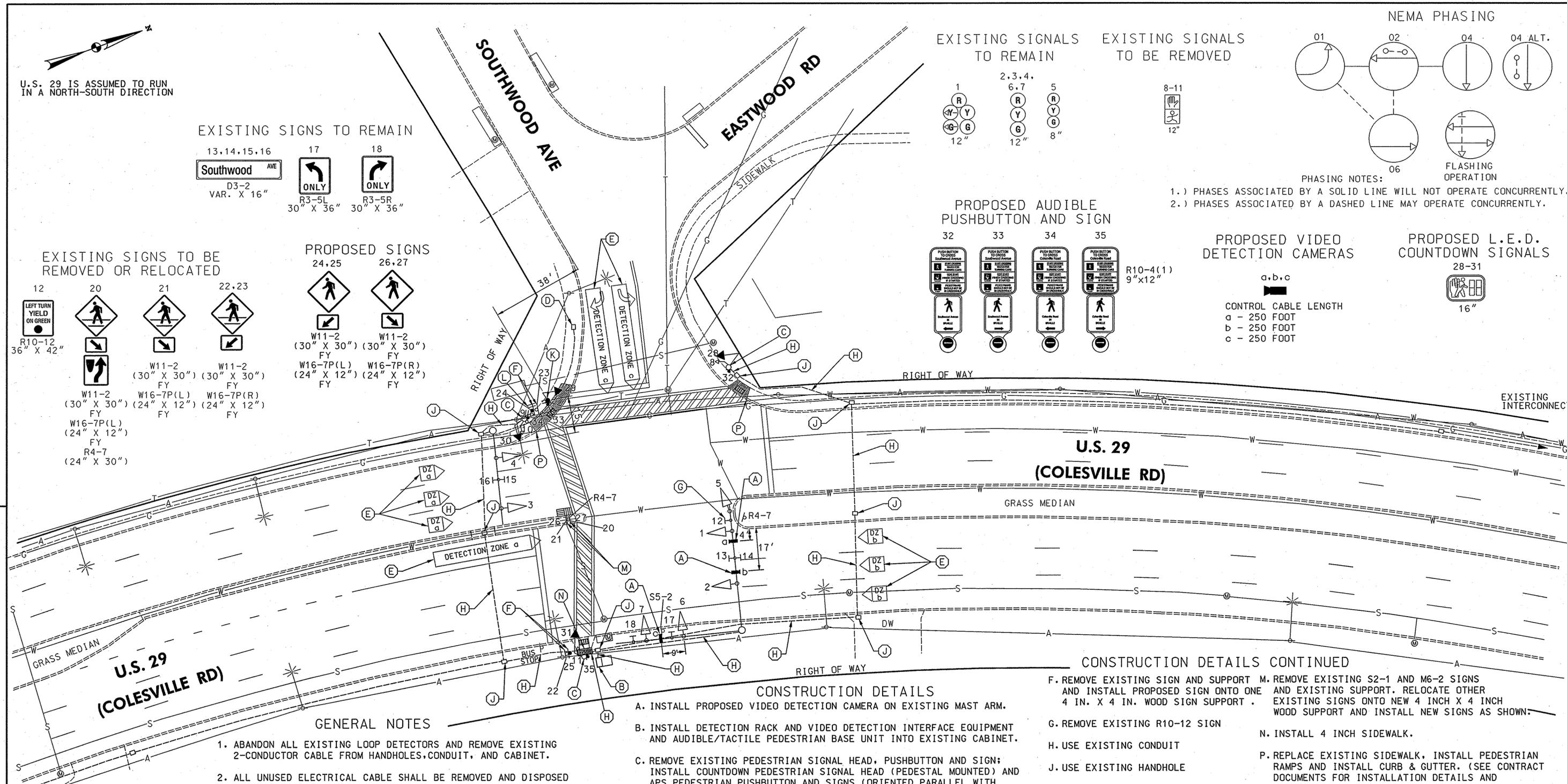
CONTROL CABLE LENGTH
a - 250 FOOT
b - 250 FOOT
c - 250 FOOT

PROPOSED L.E.D. COUNTDOWN SIGNALS

28-31



16"



GENERAL NOTES

1. ABANDON ALL EXISTING LOOP DETECTORS AND REMOVE EXISTING 2-CONDUCTOR CABLE FROM HANDHOLES, CONDUIT, AND CABINET.
2. ALL UNUSED ELECTRICAL CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
3. VIDEO DETECTION LOCATION AND ALIGNMENT SHALL BE COORDINATED WITH MONTGOMERY COUNTY ENGINEER.
4. REFER TO CONTRACT DOCUMENTS FOR PAVEMENT MARKING, DETECTIBLE WARNING SURFACE INSTALLATION DETAILS AND RAMP CONSTRUCTION DETAILS AND QUANTITIES.
5. 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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
6. INSTALLATION OF VIDEO DETECTION INTERFACE EQUIPMENT AND RETROFITTING OF RACKS WILL BE PERFORMED BY MONTGOMERY COUNTY.

CONSTRUCTION DETAILS

- A. INSTALL PROPOSED VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- B. INSTALL DETECTION RACK AND VIDEO DETECTION INTERFACE EQUIPMENT AND AUDIBLE/TACTILE PEDESTRIAN BASE UNIT INTO EXISTING CABINET.
- C. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN; INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD (PEDESTAL MOUNTED) AND APS PEDESTRIAN PUSHBUTTON AND SIGNS (ORIENTED PARALLEL WITH THE EXISTING CROSSWALK); PLUG UNUSED HOLES IN THE EXISTING POLE.
- D. REMOVE EXISTING HANDHOLE. REMOVE EXISTING CABLES AND CAP AND ABANDON EXISTING CONDUIT.
- E. VIDEO DETECTION ZONE.

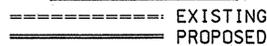
CONSTRUCTION DETAILS CONTINUED

- F. REMOVE EXISTING SIGN AND SUPPORT AND INSTALL PROPOSED SIGN ONTO ONE 4 IN. X 4 IN. WOOD SIGN SUPPORT.
- G. REMOVE EXISTING R10-12 SIGN
- H. USE EXISTING CONDUIT
- J. USE EXISTING HANDHOLE
- K. INSTALL 10 FOOT PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD (PEDESTAL MOUNTED) AND APS PEDESTRIAN PUSHBUTTON AND SIGNS (ORIENTED PARALLEL WITH THE EXISTING SIDEWALK).
- L. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
- M. REMOVE EXISTING S2-1 AND M6-2 SIGNS AND EXISTING SUPPORT. RELOCATE OTHER EXISTING SIGNS ONTO NEW 4 INCH X 4 INCH WOOD SUPPORT AND INSTALL NEW SIGNS AS SHOWN.
- N. INSTALL 4 INCH SIDEWALK.
- P. REPLACE EXISTING SIDEWALK, INSTALL PEDESTRIAN RAMPS AND INSTALL CURB & GUTTER. (SEE CONTRACT DOCUMENTS FOR INSTALLATION DETAILS AND QUANTITIES)

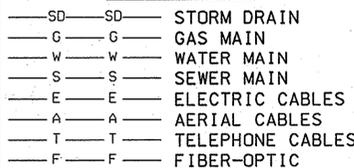
GENERAL NOTES CONTINUED

- CONTACT MR. KEITH LORD OR MR. KAMAL HAMUD AT 240-777-8795.
7. ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE MONTGOMERY COUNTY SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. KEITH LORD TO COORDINATE AT 301-279-1291.

GEOMETRIC LEGEND



UTILITY LEGEND



ADDENDUM NO. 1
NEW SHEET

RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TELE: (410) 728-2900 FAX: (410) 383-3270

APPROVALS		REVISIONS	
TEAM LEADER		ADD VIDEO DETECTION CAMERAS, COUNTDOWNS AND APS PUSHBUTTONS	2/2006
ASST. DIV. CHIEF		ADD FEEDS TO WEST LEG AT SOUTHWOOD AVE	4/1995
DIVISION CHIEF			
OFFICE DIRECTOR			

TRAFFIC SIGNAL PLAN			
SCALE 1" = 20'	DATE 09-2-1986	CONTRACT NO. M03755177	
DESIGNED BY	COUNTY, MONTGOMERY		
DRAWN BY S THACKER	LOGMILE 15002903.16		
CHECKED BY D. DODA JR	TIMS NO. H053		
FAP NO.	TOD NO. M578509385		
TS NO. 2188C	DRAWING	OF	SHEET NO. 3 OF 10

SKA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

U.S. 29 (COLESVILLE RD) AND SOUTHWOOD AVENUE

BY: \$USER\$

PLOTTED: \$DATETIMES\$
FILE: \$FILES\$