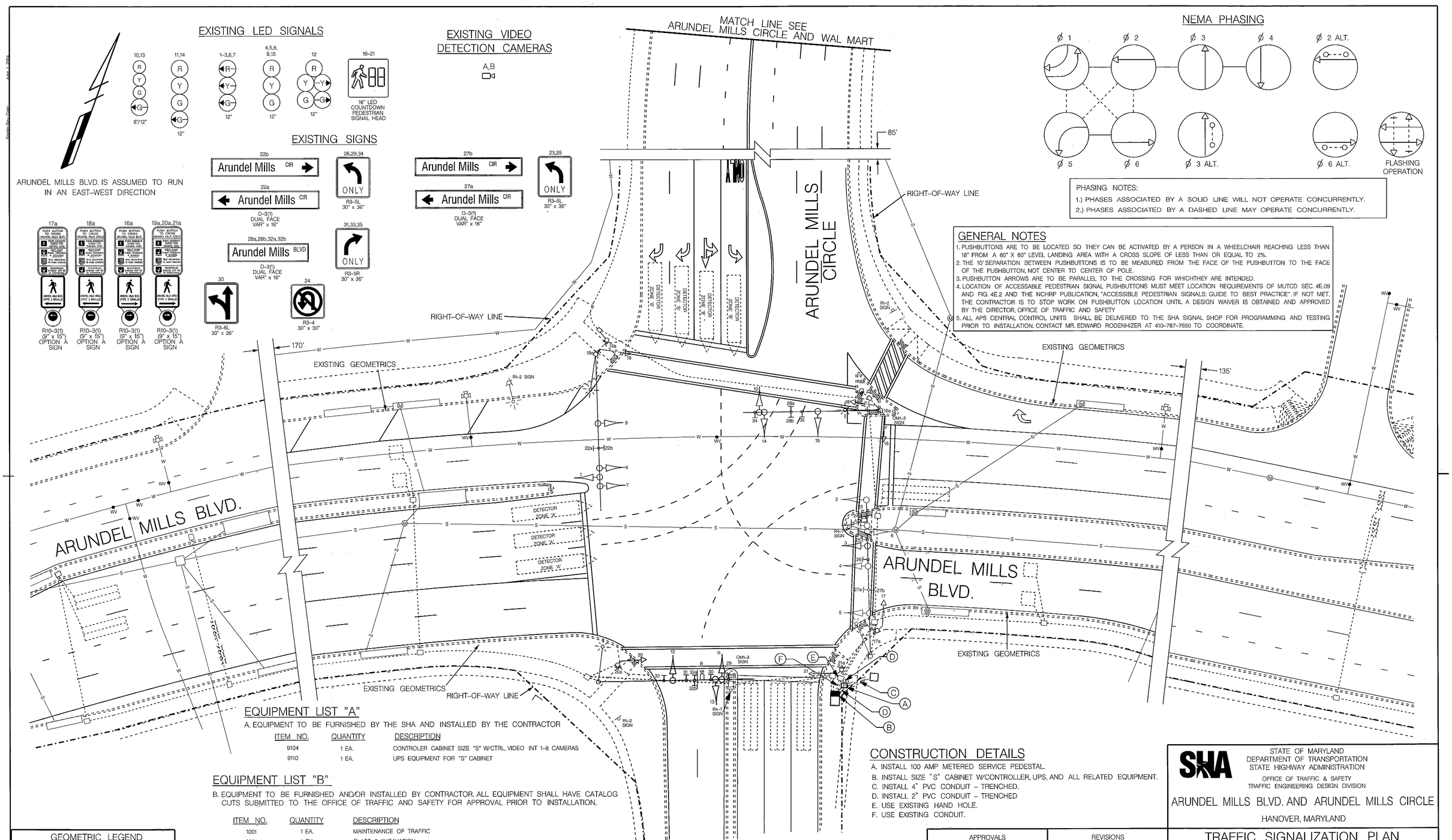


PHASING NOTES:

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

## GENERAL NOTES

1. PUSHBUTTONS ARE TO BE LOCATED SO THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
2. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF THE PUSHBUTTON TO THE FACE OF THE PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
3. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICHTHEY ARE INTENDED.
4. LOCATION OF ACCESSABLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATION UNTIL A DESIGN WAIVER IS OBTAINED AND APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY
5. ALL APS CENTRAL CONTROL UNITS SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR PROGRAMMING AND TESTING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 TO COORDINATE.

## EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 9104 | 1 EA. | CONTROLER CABINET SIZE "S" W/CTRL, VIDEO INT 1-8 CAMERAS |
| 9110 | 1 EA. | UPS EQUIPMENT FOR "S" CABINET |

## EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

| ITEM NO. | QUANTITY | DESCRIPTION |
|---|---|---|
| 1001 | 1 EA. | MAINTENANCE OF TRAFFIC |
| 2001 | 1 CY. | CLASS 2 EXCAVATION |
| 8013 | 1 EA. | F&I EMBEDED METERED SERVICE PEDESTAL |
| 8015 | 1 EA. | INSTALL CABINET AND CONTROLLER – BASE MOUNT |
| 8037 | 85 LF. | DISCONNECT, PULL-BACK & REROUTE CABLE |
| 8043 | 50 LF. | F&I UP TO 4" PVC CONDUIT – TRENCHED |
| 8047 | 30 LF. | F&I No. 6 STRANDED BARE COPPER GROUND WIRE |
| 8050 | 60 LF. | F&I 1 CONDUCTOR ELECTRICAL CABLE No. 8 AWG THHN/THWN |

## CONSTRUCTION DETAILS

A. INSTALL 100 AMP METERED SERVICE PEDESTAL.
B. INSTALL SIZE "S" CABINET W/CONTROLLER, UPS, AND ALL RELATED EQUIPMENT.
C. INSTALL 4" PVC CONDUIT – TRENCHED.
D. INSTALL 2" PVC CONDUIT – TRENCHED
E. USE EXISTING HAND HOLE.
F. USE EXISTING CONDUIT.

### GEOMETRIC LEGEND

EXISTING
PROPOSED

### UTILITY LEGEND

AERIAL CABLE — A
ELECTRICAL — E
TELEPHONE — T
GAS — G
SEWER — S
WATER — W
CABLE TV — TV

| APPROVALS | |
|---|---|
| TEAM LEADER | ORIGINAL ON FILE |
| ASST. DIV. CHIEF | |
| DIVISION CHIEF | |
| OFFICE DIRECTOR | |

FILE PATH: $FILE$
DATE: $DATE$

| REVISIONS | | |
|---|---|---|
| B | INSTALL BATTERY BACK-UP XY1395185 | 4/2013 L479 |
| A | SIGNAL MODIFICATIONS DUE TO GEOMETRIC CHANGES BW996M82 | 11/2011 K973 |

FJA DJD MLP: MLP: FABIO W

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

ARUNDEL MILLS BLVD. AND ARUNDEL MILLS CIRCLE
HANOVER, MARYLAND

# TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE 11-17-11 CONTRACT NO. BW996M82

DESIGNED BY J.K. SCHMID
DRAWN BY J.K. SCHMID
CHECKED BY T. ZAYDEL
F.A.P. NO. N/A
COUNTY ANNE ARUNDEL
LOGMILE 02620300.54
T.I.M.S. NO. K-973
TOD NO.

DRAWING NO. TS — 4803 G
SHEET NO. 1 OF 3