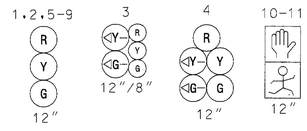
MD 25 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

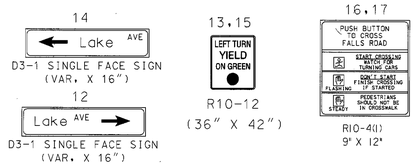
CONSTRUCTION DETAILS

A. INSTALL MAST ARM POLE WITH 38 FT. MAST ARM, 1 IN. GALVANIZED RISER, SIGNAL HEADS, AND SIGN (NOTE: INSTALL 1-3 IN. AND 1-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND) CUT MAST ARM TO 30 FT. IN LENGTH
B. INSTALL MAST ARM POLE WITH 50 FT./50 FT. TWIN MAST ARMS, 15 FT. STREET LIGHTING ARM WITH VIDEO DETECTION CAMERAS, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON, AND R10-4 SIGN (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS) (NOTE: INSTALL 1-2 IN. AND 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS) CUT MAST ARM ACROSS LAKE AVE TO 35 FT. IN LENGTH
C. INSTALL MAST ARM POLE WITH 50 FT. MAST ARM, SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGN, PEDESTRIAN SIGNAL, PUSHBUTTON, AND R10-4 SIGN (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS) PLACE MAST ARM PARALELL WITH OVERHEAD UTILITY LINE
D. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL THE NECESSARY EQUIPMENT, USE SIDEWALK AS PAD (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
E. INSTALL ELECTRICAL HANDHOLE
F. INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
G. INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE NON-METALLIC CONDUIT DETECTOR WIRE SLEEVE
H. USE EXISTING HANDHOLE
I. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
J. REMOVE EXISTING HANDHOLE
K. REMOVE EXISTING STRAIN POLE, SPAN WIRE, AND ANY ASSOCIATED EQUIPMENT
L. REMOVE EXISTING STRAIN POLE WITH POLE MOUNTED CABINET AND CONTROLLER, SPAN WIRE AND ANY ASSOCIATED EQUIPMENT
M. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRIC PVC CONDUIT - TRENCHED
N. OVERHEAD ELECTRICAL AND TELEPHONE SERVICE
O. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRIC PVC CONDUIT - TRENCHED
P. USE EXISTING CONDUIT
Q. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED FOR ELECTRICAL SERVICE

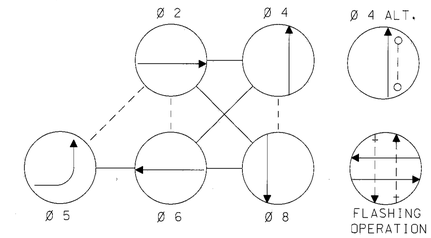
PROPOSED SIGNALS



PROPOSED SIGNS



NEMA PHASING

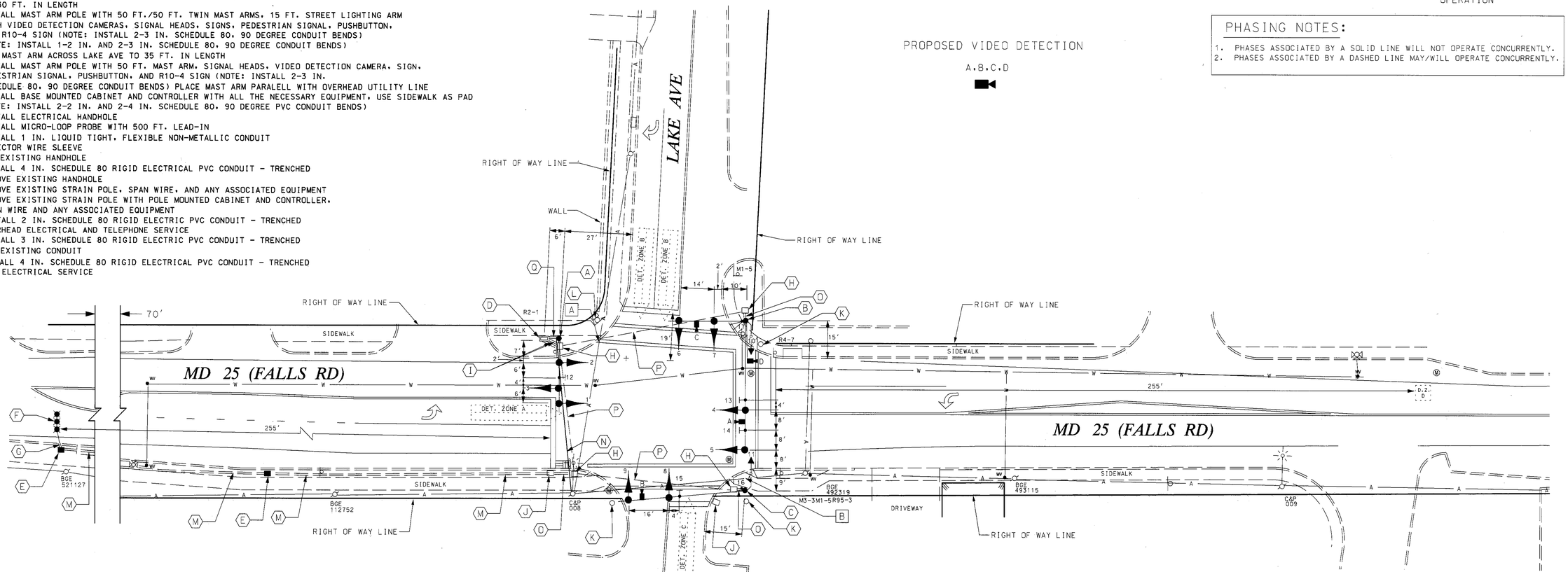


PHASING NOTES:

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

PROPOSED VIDEO DETECTION

A,B,C,D



UTILITY HEIGHTS

A
C & P = 16' - 7"
C & P = 17' - 1"
CATV = 20' - 3"
SECONDARY = 25' - 7"
PRIMARY = >32' - 6"

UTILITY HEIGHTS

B
C & P = 18' - 0"
C & P = 19' - 6"
CATV = 21' - 11"
SECONDARY = 25' - 0"
PRIMARY = >37' - 0"

GENERAL NOTES

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
4. 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.
5. CONFIRM SIGNAL HEAD LOCATIONS PRIOR TO CUTTING MAST ARMS.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS			
SHA#: BA4458A50/B5L0 TOD#: AT357-18			
B	RECONSTRUCT EXISTING TRAFFIC SIGNAL		
1-13-04		SHA NO. AT3575185	
MLH	TZ		
A	INSTALL DETECTION AND SIGNAL HEAD FOR E.P. PHASE S.B. MD 25		
6-28-02		SHA NO. XX1065385	
MLH	TZ		

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
MD 25 (FALLS RD.) AND LAKE AVENUE

DRAWN BY:	M. HOWELL	F.A.P. NO.		TS NO. 4204-B	SHEET NO. 1 OF 2
CHECKED BY:	T. ZAYDEL	S.H.A. NO.	XX1065385		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. F-160	
DATE:	6-28-02	LOG MILE:	03002500.08		

m:\800\01-832\17 md 25 @ lake\sign Jan. 13, 2004 10:34:37