MD 924 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

25,26 — LEFT TURN YIELD ON GREEN — R10-12 (36" x 42")

22,24 — LEFT TURN YIELD ON GREEN — R10-12 (36" x 42")

EXISTING SIGNS TO REMAIN

21 — ← Bel Air South PKWY / Laurel Bush RD → — D-3(1) (VARIABLE x 32")

23 — ← Laurel Bush RD / Bel Air South PKWY → — D-3(1) (VARIABLE x 32")

PROPOSED VIDEO DETECTION CAMERA

A,B,C,D

EXISTING SIGNAL HEADS TO BE REMOVED

7a,10a — 12"/8"; 8a,11a — 12"; 9a,12a — 12"

PROPOSED SIGNAL HEADS

7,10 — 8"/12"; 8,11 — 12"; 9,12 — 12"

EXISTING SIGNAL HEADS TO REMAIN

1,4 — 12"/8"; 2,5 — 12"; 3,6 — 12"; 13-20 — 12"

NEMA PHASING

Ø 1, Ø 2, Ø 3, Ø 4, Ø 5, Ø 6, Ø 3 ALT, Ø 4 ALT, FLASHING OPERATION

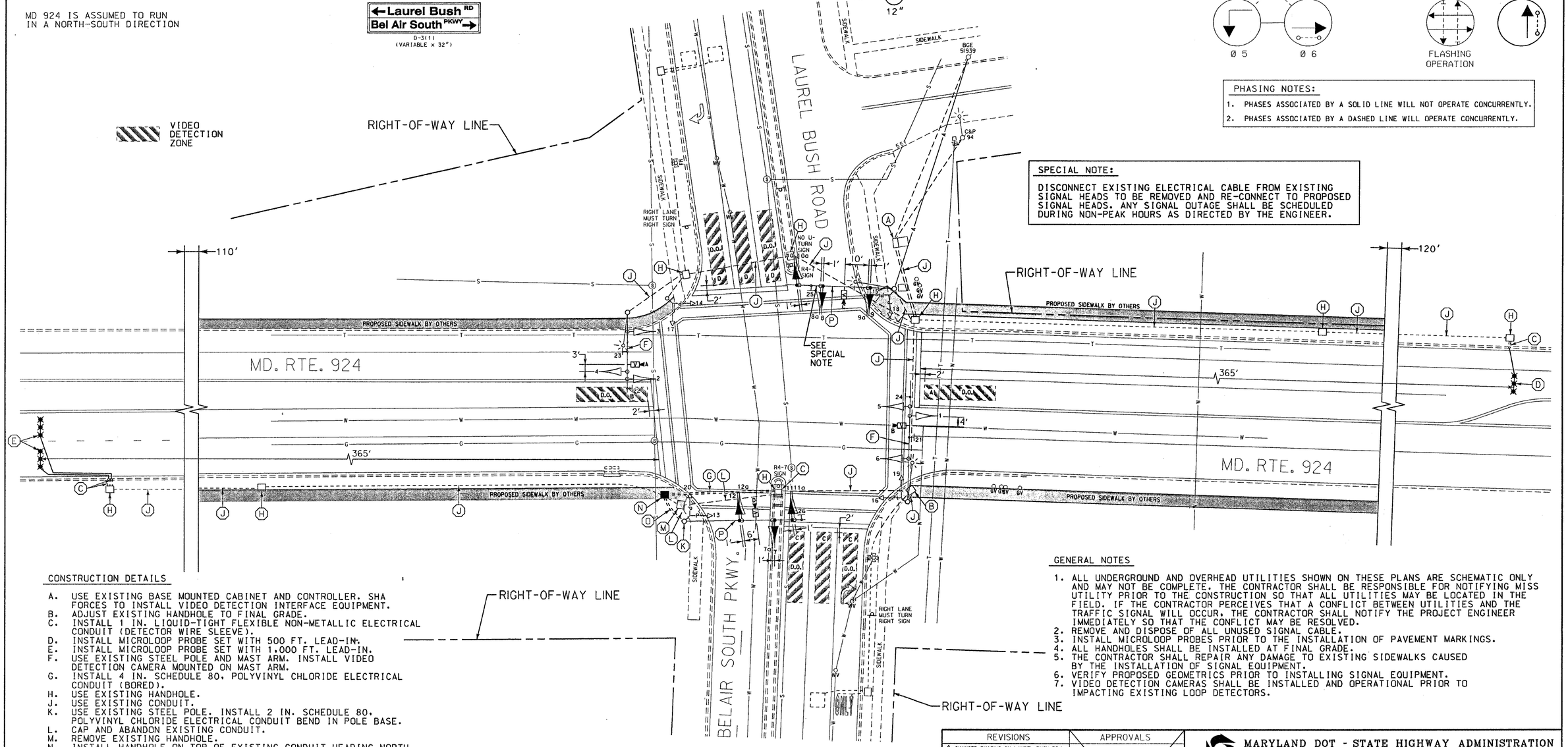
PHASING NOTES:

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

VIDEO DETECTION ZONE

SPECIAL NOTE:

DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.



CONSTRUCTION DETAILS

A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. SHA FORCES TO INSTALL VIDEO DETECTION INTERFACE EQUIPMENT.
B. ADJUST EXISTING HANDHOLE TO FINAL GRADE.
C. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
D. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
E. INSTALL MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN.
F. USE EXISTING STEEL POLE AND MAST ARM. INSTALL VIDEO DETECTION CAMERA MOUNTED ON MAST ARM.
G. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
H. USE EXISTING HANDHOLE.
J. USE EXISTING CONDUIT.
K. USE EXISTING STEEL POLE. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE.
L. CAP AND ABANDON EXISTING CONDUIT.
M. REMOVE EXISTING HANDHOLE.
N. INSTALL HANDHOLE ON TOP OF EXISTING CONDUIT HEADING NORTH. CUT AND REMOVE APPROXIMATELY 3 FT. LENGTH OF EXISTING CONDUIT AND INSTALL HANDHOLE. INSTALL AND COUPLE 1 FT. +/- SECTION OF 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT TO EXISTING CONDUIT LEADING NORTH, LEAVING 6 IN. PROTRUDING INSIDE HANDHOLE.
O. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
P. USE EXISTING STEEL POLE AND MAST ARM. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AS NOTED.

GENERAL NOTES

1. 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.
2. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
3. INSTALL MICROLOOP PROBES PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
5. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
6. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
7. VIDEO DETECTION CAMERAS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO IMPACTING EXISTING LOOP DETECTORS.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

WR&A
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REVISIONS

1	CHANGED PHASING ON LAUREL BUSH RD/ BELAIR SOUTH PKWY TO SPLIT; CONTRACT NO. HA2605177 ADDENDUM NO.1				05/03/04
SRB	NML				
D	ADDED VIDEO DETECTION CAMERAS ADDED PROBES ON EB/WB MD 924 CONTRACT HA2605177				4/8/04
SRB	NML				
C	INSTALL INTERSECTION STREET LIGHTING SHA. NO. OT 2000				8/2001
GCP					
B	ADD PED. SIGNALS ACROSS ALL LEGS AND INSTALLED A NEW BASE MOUNTED CABINET SHA NO. 2385572507519				12/1997
	DJD	DAZ		BRK	TH

APPROVALS

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

ORIGINAL ON FILE

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

MD 924 AND BEL AIR SOUTH PKWY/LAUREL BUSH RD

DRAWN BY:	M.A.M.	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	D. ANDREWS/D. DODA	S.H.A. NO.	2385472502888	TS-2520 D	
SCALE:	1" = 20'	COUNTY:	HARFORD	T.I.M.S. NO.	
DATE:	5/5/2004	LOG MILE:	12092402.62	E829	1 OF 2

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