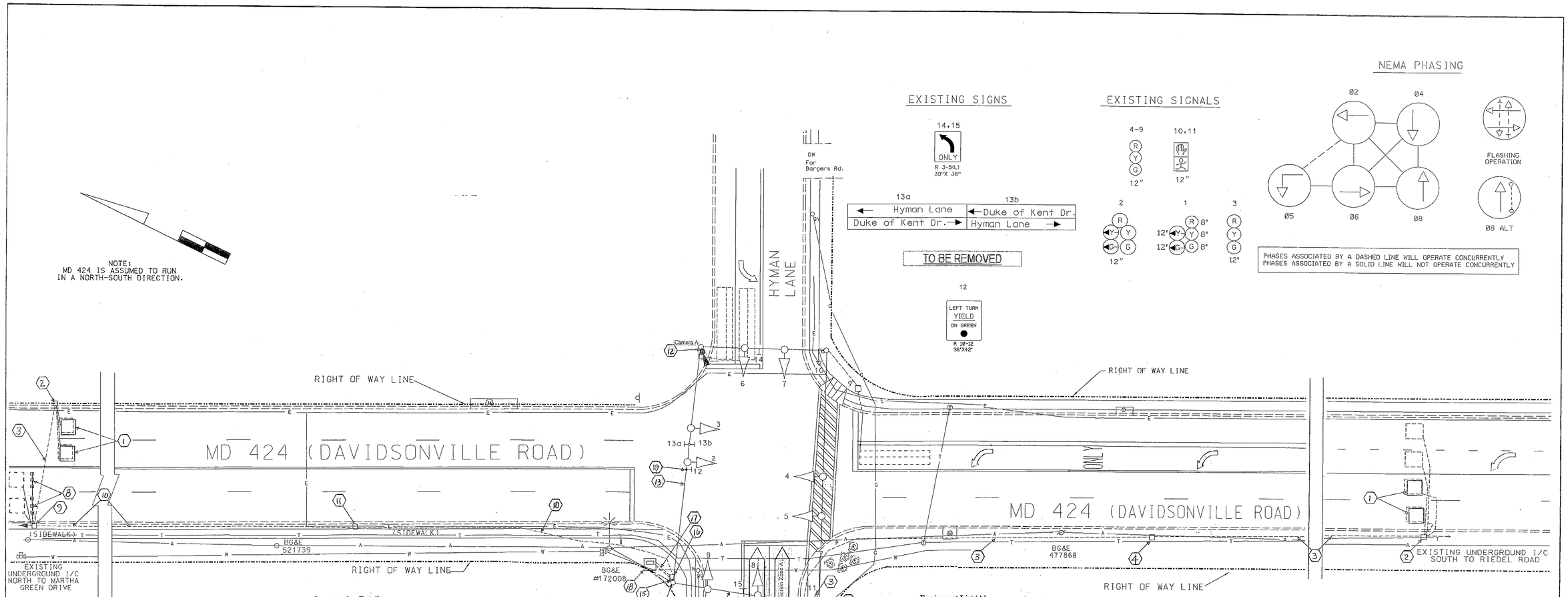

Construction Details

1. Install 6' x 6' loop detector. (Note: 4 turns)
2. Use existing handhole. Disconnect and remove existing loop detector lead-in cables and cap detector sleeves. Install proposed detector sleeves. Install and splice proposed loop wires to proposed loop detector lead-in cables.
3. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables.
4. Use existing handhole. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables.
5. Use existing handhole. Disconnect and remove existing loop detector lead-in cables and cap detector sleeves. Install proposed loop detector lead-in cables.
6. Use existing strain pole. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables.
7. Use existing span wire. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables.
8. Install triple Micro Loop probe set.
9. Use existing handhole. Remove existing loop detector lead-in cables and cap detector sleeves. Install proposed detector sleeve, triple micro loop probe and loop detector lead-in cables.
10. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed triple micro loop probe and loop detector lead-in cables.
11. Use existing handhole. Remove existing loop detector lead-in cables. Install proposed triple micro loop probe and loop detector lead-in cables.
12. Use existing strain pole. Install proposed video detection camera.
13. Use existing span wire. Install proposed video detection lead-in cable.
14. Use existing strain pole. Remove existing loop detector lead-in cables. Install proposed loop detector and video detection lead-in cables.
15. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed loop detector and video detection lead-in cables.
16. Use existing handhole. Remove existing loop detector lead-in cables. Install proposed triple micro loop probe, loop detector and video detection lead-in cables.
17. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed triple micro loop probe, loop detector and video detection lead-in cables.
18. Use existing controller cabinet. Remove existing loop detector lead-in cables for phases 2, 6, 8 and sample loops. Install proposed triple micro loop probe, loop detector and video detection lead-in cables. Traffic operations Division personnel will re-tune amplifiers and program video detection upon completion of proposed work.
19. Remove R 10-12 sign

Equipment List 'A'
Equipment to be supplied and installed By the SHA
- Easylock Connector
- Terra Interface Panel
- Terra Access Point
- Tip to Tap I/F Cable-BIU
- Tip to Tap I/F Cable-Hardwire
- Terra Field Ethernet Adapter

Equipment List 'C'
Removed and Salvaged Items

NONE

Equipment List 'B'
Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8018	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8030	42	LF	1 IN. ELECTRICAL CONDUIT- GALVANIZED SLEEVE
8040	12	LF	1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8043	2	EA	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
8050	1	EA	VIDEO DETECTION CAMERA(TERRA)& CONTROLLER CABLES UP TO 500 LF
8057	2550	LF	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8062	540	LF	LOOP WIRE ENCASED IN FLEXABLE TUBING (NO.14 AWG)
8063	180	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
	HANDHOLE	
	LOOP DETECTOR(6X30)	
	LOOP DETECTOR(6X6)	
	CONDUIT	
	MICRO LOOP PROBE SET	
	ZOOM LENS IMAGE SENSOR	

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISIONS

E	March 2009 Install Video Detection OT 2007	
D	ADD EXP LEFT TURN TO NB MD 424 SHA NO. OT-2000	9/9/00
C	REPLACE/INSTALL NEW LOOP DETECTORS	5/91
B	REDRAWN. ADD PEDS TO SOUTH LEG OF MD 424	11/90
A	ASBUILT AND INSTALL NEW DETECTORS	2/7/90

APPROVALS
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 424 AND DUKE OF KENT DRIVE/HYMAN LANE

DRAWN BY: BARANOWSKI
CHECKED BY: RRZ(FOR STS)
SCALE: 1" = 20'
DATE: 9-3-87
F.A.P. NO.
S.H.A. NO.
COUNTY: ANNE ARUNDEL
LOG MILE: 02042407.81
TS NO. 2380E
T.I.M.S. NO. X-807
SHEET NO. 1 OF 2