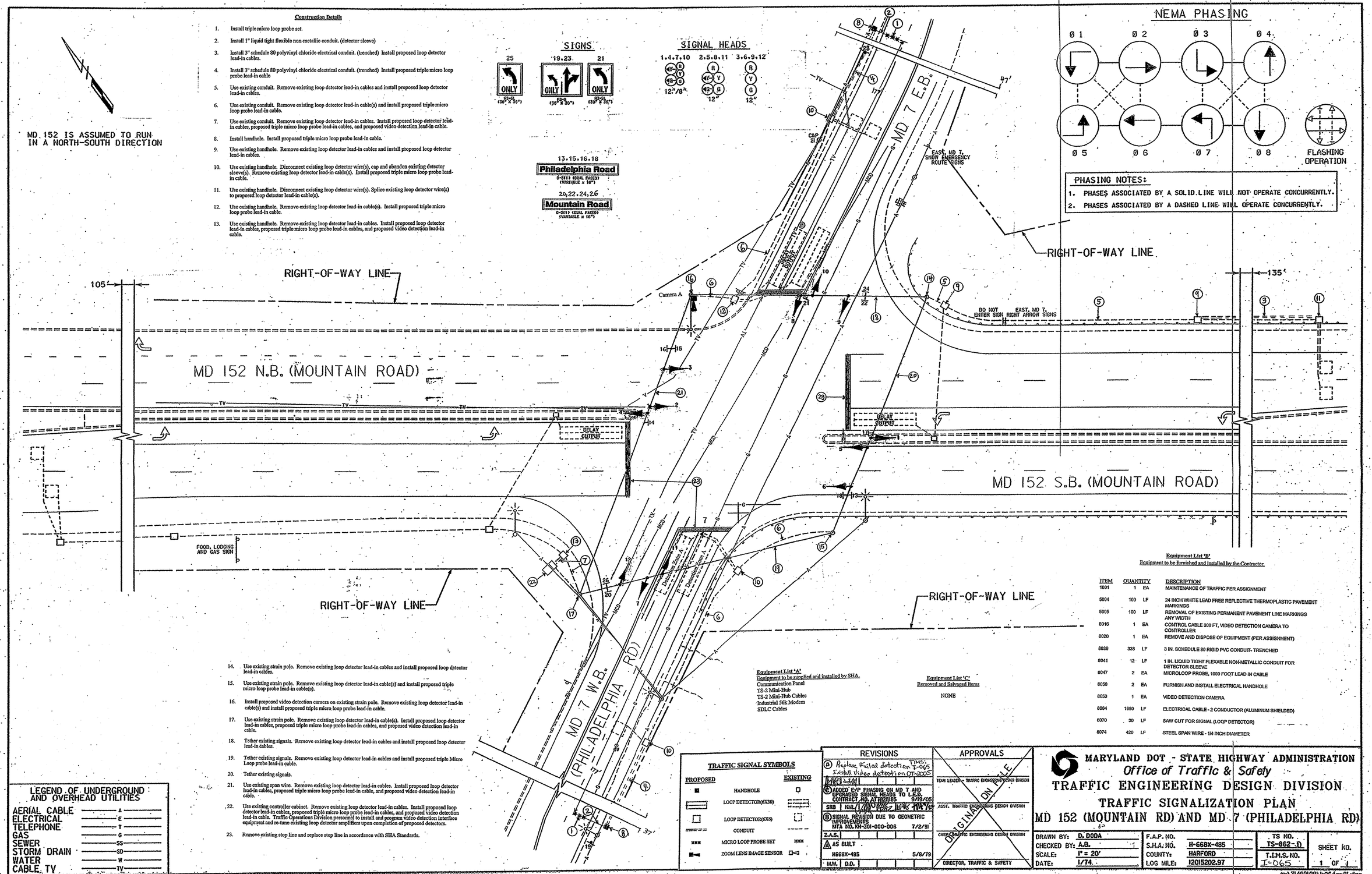
MD 152 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

Construction Details

1. Install triple micro loop probe set.
2. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
3. Install 3" schedule 80 polyvinyl chloride electrical conduit. (trenched) Install proposed loop detector lead-in cables.
4. Install 3" schedule 80 polyvinyl chloride electrical conduit. (trenched) Install proposed triple micro loop probe lead-in cable
5. Use existing conduit. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.
6. Use existing conduit. Remove existing loop detector lead-in cable(s) and install proposed triple micro loop probe lead-in cable.
7. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables, proposed triple micro loop probe lead-in cables, and proposed video detection lead-in cable.
8. Install handhole. Install proposed triple micro loop probe lead-in cable.
9. Use existing handhole. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.
10. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Remove existing loop detector lead-in cable(s). Install proposed triple micro loop probe lead-in cable.
11. Use existing handhole. Disconnect existing loop detector wire(s). Splice existing loop detector wire(s) to proposed loop detector lead-in cable(s).
12. Use existing handhole. Remove existing loop detector lead-in cable(s). Install proposed triple micro loop probe lead-in cable.
13. Use existing handhole. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables, proposed triple micro loop probe lead-in cables, and proposed video detection lead-in cable.



14. Use existing strain pole. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.
15. Use existing strain pole. Remove existing loop detector lead-in cable(s) and install proposed triple micro loop probe lead-in cable(s).
16. Install proposed video detection camera on existing strain pole. Remove existing loop detector lead-in cable(s) and install proposed triple micro loop probe lead-in cable.
17. Use existing strain pole. Remove existing loop detector lead-in cable(s). Install proposed loop detector lead-in cables, proposed triple micro loop probe lead-in cables, and proposed video detection lead-in cable.
18. Tether existing signals. Remove existing loop detector lead-in cables and install proposed loop detector lead-in cables.
19. Tether existing signals. Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe lead-in cable.
20. Tether existing signals.
21. Use existing span wire. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables, proposed triple micro loop probe lead-in cable, and proposed video detection lead-in cable.
22. Use existing controller cabinet. Remove existing loop detector lead-in cables. Install proposed loop detector lead-in cables, proposed triple micro loop probe lead-in cables, and proposed video detection lead-in cable. Traffic Operations Division personnel to install and program video detection interface equipment and re-tune existing loop detector amplifiers upon completion of proposed detectors.
23. Remove existing stop line and replace stop line in accordance with SHA Standards.

Equipment List 'A'
Equipment to be supplied and installed by SHA.
Communication Panel
TS-2 Mini-Hub
TS-2 Mini-Hub Cables
Industrial 56k Modem
SDLC Cables

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
5004	100	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	100	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8016	1	EA	CONTROL CABLE 300 FT, VIDEO DETECTION CAMERA TO CONTROLLER
8020	1	EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8036	338	LF	3 IN. SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED
8041	12	LF	1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8047	2	EA	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
8050	2	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8053	1	EA	VIDEO DETECTION CAMERA
8064	1690	LF	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8070	30	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
8074	420	LF	STEEL SPAN WIRE - 1/4 INCH DIAMETER

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

TRAFFIC SIGNAL SYMBOLS

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

REVISIONS

(A) Replace Failed detection THIS: I-065 Install Video detection on CT-205 — MKO 5/9/1
(C) ADDED E/P PHASING ON MD 7 AND UPGRADED SIGNAL HEADS TO L.E.D. CONTRACT NO. AT8828185 — 9/19/05 — SRB NML
(B) SIGNAL REVISION DUE TO GEOMETRIC IMPROVEMENTS MTA NO. RH-301-000-006 — 7/2/91 — Z.A.S.
(A) AS BUILT H668X-485 — 5/8/79 — M.M. D.D.

APPROVALS

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
ASST. 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
TRAFFIC SIGNALIZATION PLAN
MD 152 (MOUNTAIN RD) AND MD 7 (PHILADELPHIA RD)

DRAWN BY: D. DODA	F.A.P. NO.		TS NO. TS-862-0	SHEET NO.
CHECKED BY: A.B.	S.H.A. NO.	H-668X-485		
SCALE: 1" = 20'	COUNTY:	HARFORD	T.I.M.S. NO. I-065	1 OF 1
DATE: 1/74	LOG MILE:	12015202.97		

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