U.S. 1 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

Construction Details

1. Install 6' x 30' quadrupole loop detector. (Note: 3-6-3 turns)
2. Install triple Micro Loop probe set.
3. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve)
4. Install 2" 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 triple Micro Loop probe lead-in cables.
6. Use existing conduit. Remove existing triple Micro Loop probe lead-in cable and install proposed triple Micro Loop probe lead-in cable.
7. Use existing conduit. Remove existing loop detector lead-in cable(s) and existing triple Micro Loop probe lead-in cable. Install proposed triple Micro Loop probe lead-in cable(s).
8. Cap and abandon existing conduit.
9. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Install proposed triple Micro Loop probe lead-in cable.
10. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Splice proposed loop detector wires to existing loop detector lead-in cable. Install proposed triple Micro Loop probe lead-in cable. Remove existing triple Micro Loop probe lead-in cable.
11. Use existing handhole. Remove existing loop detector lead-in cable(s). Install proposed triple Micro Loop probe lead-in cable(s).
12. Use existing handhole. Remove existing loop detector lead-in cable(s) and existing triple Micro Loop probe lead-in cable. Install proposed triple Micro Loop probe lead-in cable(s).
13. Use existing pole mounted controller cabinet. Remove existing loop detector lead-in cables and triple Micro Loop probe lead-in cable. Install proposed triple Micro Loop probe lead-in cables. Traffic Operations Division personnel to re-tune existing loop detector amplifiers upon completion of proposed detectors.
14. Remove existing stop line and replace stop line in accordance with SHA Standards.

SIGNS

9.11-13
Jarrettsville Rd
D3-2 (DUAL FACED)
(VARIANCE × 16")

SIGN

10
LEFT TURN
YIELD
ON GREEN
R10-12
(36" X 42")

SIGNALS

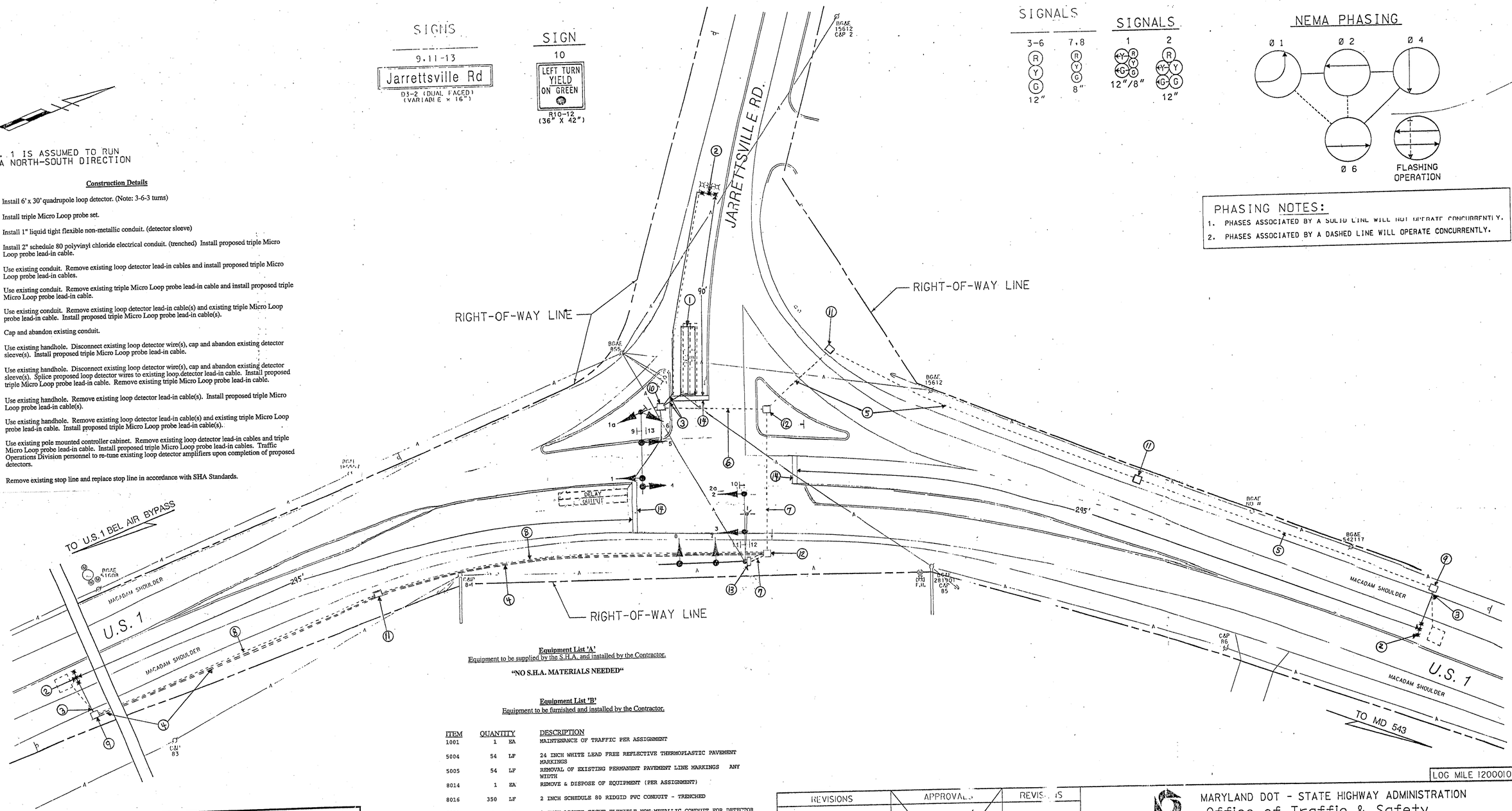
3-6	7,8
R Y G	R Y G
12"	8"

SIGNALS

1	2
+Y R +G Y	R +Y Y +G G
12"/8"	12"

NEMA PHASING

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



Equipment List 'A'
Equipment to be supplied by the S.H.A. and installed by the Contractor.

"NO S.H.A. MATERIALS NEEDED"

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

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	54	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	54	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8014	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8016	350	LF	2 INCH SCHEDULE 80 RIDGID PVC CONDUIT - TRENCHED
8033	24	LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8036	1	EA	MICROLOOP PROBE 500 FOOT LEAD IN CABLE
8037	2	EA	MICROLOOP PROBE 1000 FOOT LEAD IN CABLE
8058	480	LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8059	257	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

Equipment List 'C'
Removed and Salvaged Items

NONE

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
▭	LOOP DETECTOR(6X30)	▭
□	LOOP DETECTOR(6X6)	□
----------	CONDUIT	----------
✱✱✱	MICRO LOOP PROBE SET	✱✱✱

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISIONS

(B) Replace failed detection 6-09
OT 2003
(A) INSTALLED E/P LEFT-TURN FOR N.B. U.S. 1 8/97

APPROVALS

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

REVISIONS

LOG MILE 12000107.81

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 1 AND JARRETTSVILLE ROAD

DATE: 8-3-93	DRAWN BY: W.J. NIES	F.A.P. NO. 238557250/7501	PLAN SHEET NO.:	SHEET NO.
SCALE: 1" = 20'	DESIGNED BY: R. ZACHERL	S.H.A. NO.	TS-3326A	1 OF 2
APPROVED BY:	CHECKED BY:	COUNTY HARFORD		

M:\94002\30903T01.DGN

SHA#: 238557250097 TOD#: OT2003-19