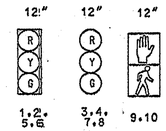
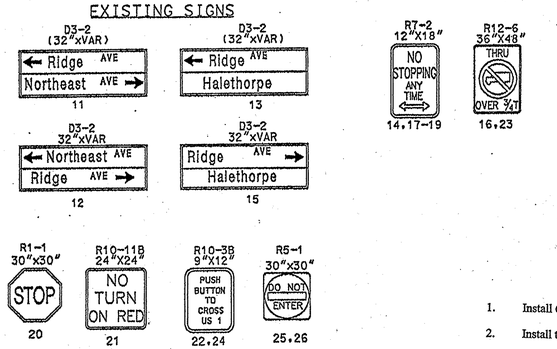
DESIGN NO				
3	MD			

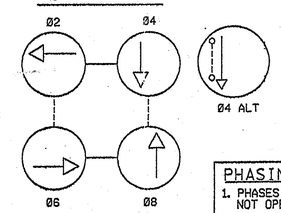
EXISTING SIGNALS



EXISTING SIGNS



NEMA PHASING

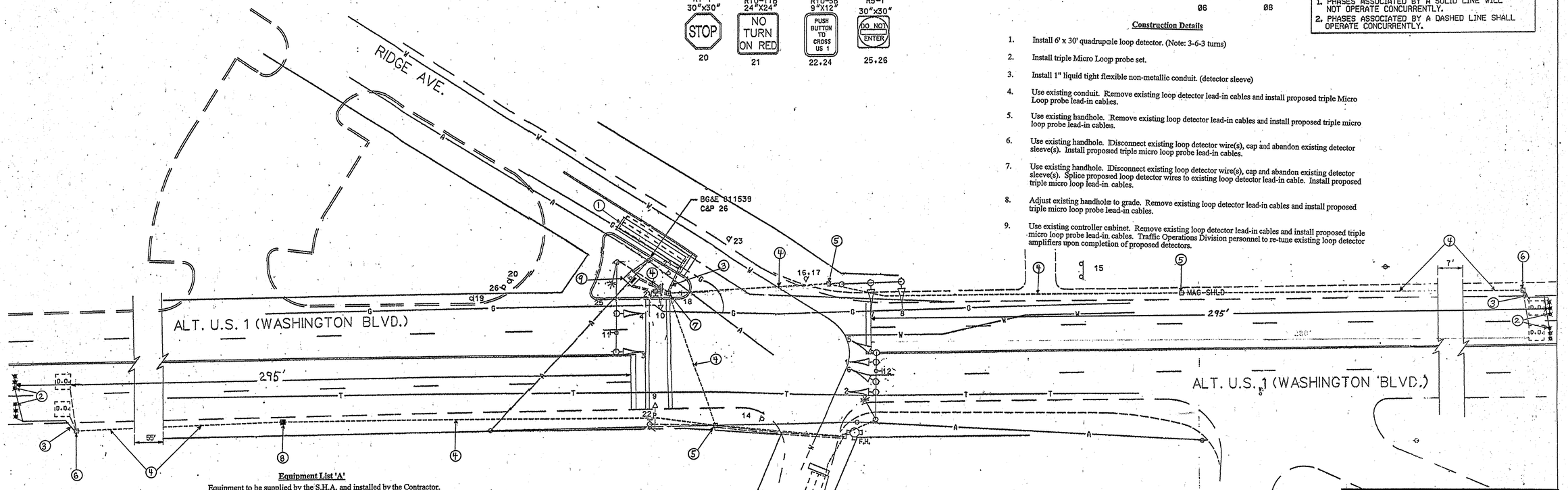


FLASHING OPERATION

PHASING NOTES:

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

U.S. 1 (ALT) 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. Use existing conduit. Remove existing loop detector lead-in cables and install proposed triple Micro Loop probe lead-in cables.
5. Use existing handhole. Remove existing loop detector lead-in cables and install proposed triple micro loop probe lead-in cables.
6. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Install proposed triple micro loop probe lead-in cables.
7. 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 lead-in cables.
8. Adjust existing handhole to grade. Remove existing loop detector lead-in cables and install proposed triple micro loop probe lead-in cables.
9. Use existing controller cabinet. Remove existing loop detector lead-in cables and 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.

Equipment List 'A'

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

DESCRIPTION

NO SHA MATERIALS

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8009	1	EA	ADJUST HANDHOLE TO GRADE
8014	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8033	38	LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8037	6	EA	MICROLOOP PROBE 1000 FOOT LEAD IN CABLE
8058	1022	LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8059	450	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

DESCRIPTION

NO REMOVAL AND SALVAGE ITEMS

GENERAL NOTES

1. CONTRACTOR MUST TRENCH AND INSTALL ALL CONDUITS PRIOR TO POURING CONCRETE UNLESS IT IS OTHERWISE NOTED ON THE PLANS .
2. 'D.O.' INDICATES DELAY OUTPUT LOOP DETECTOR.

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
▬	LOOP DETECTOR(6X30)	▭
□	LOOP DETECTOR(6X6)	⬚
----------	CONDUIT	----------
▪▪▪	MICRO LOOP PROBE SET	▫▫▫

UTILITY LEGEND

T	T	TELEPHONE CABLES
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
BC		BURIED CABLE
SD		STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

REVISIONS	APPROVALS
① Replace failed detection 11-2004	ASST. DIVISION CHIEF, TEDD
OT 2003	ASST. DISTRICT ENGINEER, TRAFFIC
1-23-98	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
REPLACE CONTROLLER AND CABINET, ADD PHONE DROP	DIRECTOR, OFFICE OF TRAFFIC & SAFETY
B ASBUILT AND REPLACE POLE SOUTHWEST QUADRANT SHA NO. BW-214-801-412	ORIGINAL ON FILE

EBA
EBA ENGINEERING, INC.
9004 MOTOR DRIVE
BALTIMORE, MARYLAND 21236
410-931-7101
DGL
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
ALT US 1 (WASHINGTON BLVD) AND
RIDGE AVE./NORTHEAST AVENUE

LOGMILE #: 03A00101.16 DATE 10/23/73

DRAWN BY:	J. GORDON	F.A.P. NO.	AW114A59/B.54	PLAN SHEET NO.:	SHEET NO.
CHECK BY:		S.H.A. NO.		TS-485/D	2 OF 2
SCALE:	1"=20'	COUNTY	BALTIMORE		