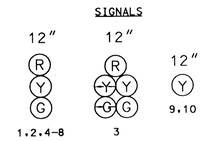
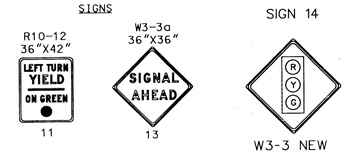
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

SIGNALS

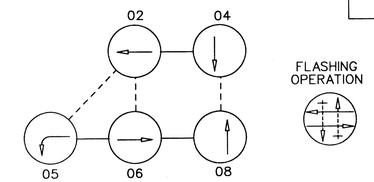


SIGNS



D3-2 (Var.x16")
Sunrise Beach Rd.
#13000
12A

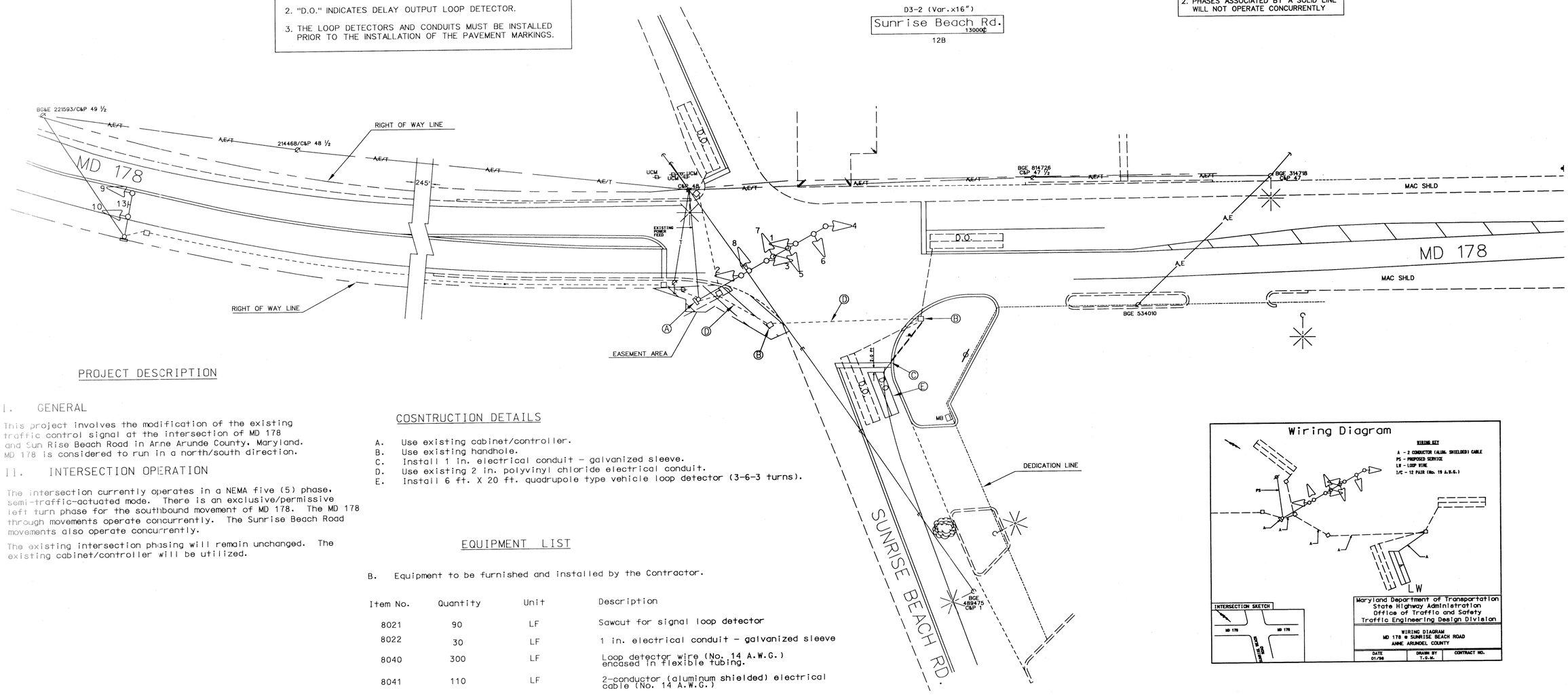
D3-2 (Var.x16")
Sunrise Beach Rd.
13000¢
12B



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

GENERAL NOTES

1. PAVEMENT MARKING DETAILS ON THE DRAWING ARE PROPOSED AND WILL BE INSTALLED BY THE CONTRACTOR.
2. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
3. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.



PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 178 and Sun Rise Beach Road in Anne Arunde County, Maryland. MD 178 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection currently operates in a NEMA five (5) phase, semi-traffic-actuated mode. There is an exclusive/permissive left turn phase for the southbound movement of MD 178. The MD 178 through movements operate concurrently. The Sunrise Beach Road movements also operate concurrently.

The existing intersection phasing will remain unchanged. The existing cabinet/controller will be utilized.

COSNTRUCTION DETAILS

A. Use existing cabinet/controller.
B. Use existing handhole.
C. Install 1 in. electrical conduit - galvanized sleeve.
D. Use existing 2 in. polyvinyl chloride electrical conduit.
E. Install 6 ft. X 20 ft. quadrupole type vehicle loop detector (3-6-3 turns).

EQUIPMENT LIST

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

Item No.	Quantity	Unit	Description
8021	90	LF	Sawcut for signal loop detector
8022	30	LF	1 in. electrical conduit - galvanized sleeve
8040	300	LF	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
8041	110	LF	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.)

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

B	1/20/98	AW-2795185	MODIFY - INSTALL LOOP DETECTOR FOR EAST APPROACH SUNRISE BEACH ROAD
TGM			
A	4/8/96	AW-793-487-585	AS BUILT
TMS			

APPROVALS

ORIGINAL
CHIEF, SIGNAL DESIGN SECTION
ON
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
FILE
DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

ORIGINAL DRAWN BY: ROB CICCHINI
DES. BY: B. CARLSON
CHK. BY:

MD 178 (GENERAL'S HWY.) AT SUNRISE BEACH RD.

COUNTY: ANNE ARUNDEL

DATE: OCTOBER, 1994
SCALE: 1"=20'
F.A.P. NO.
S.H.A. NO. 2385S12501610

TS/FILE NO. 3480 B

SHEET NO. 1 OF 1

k:\sgn\lvs3302\ds178sun.dgn Jan. 26, 1999 11:06:25