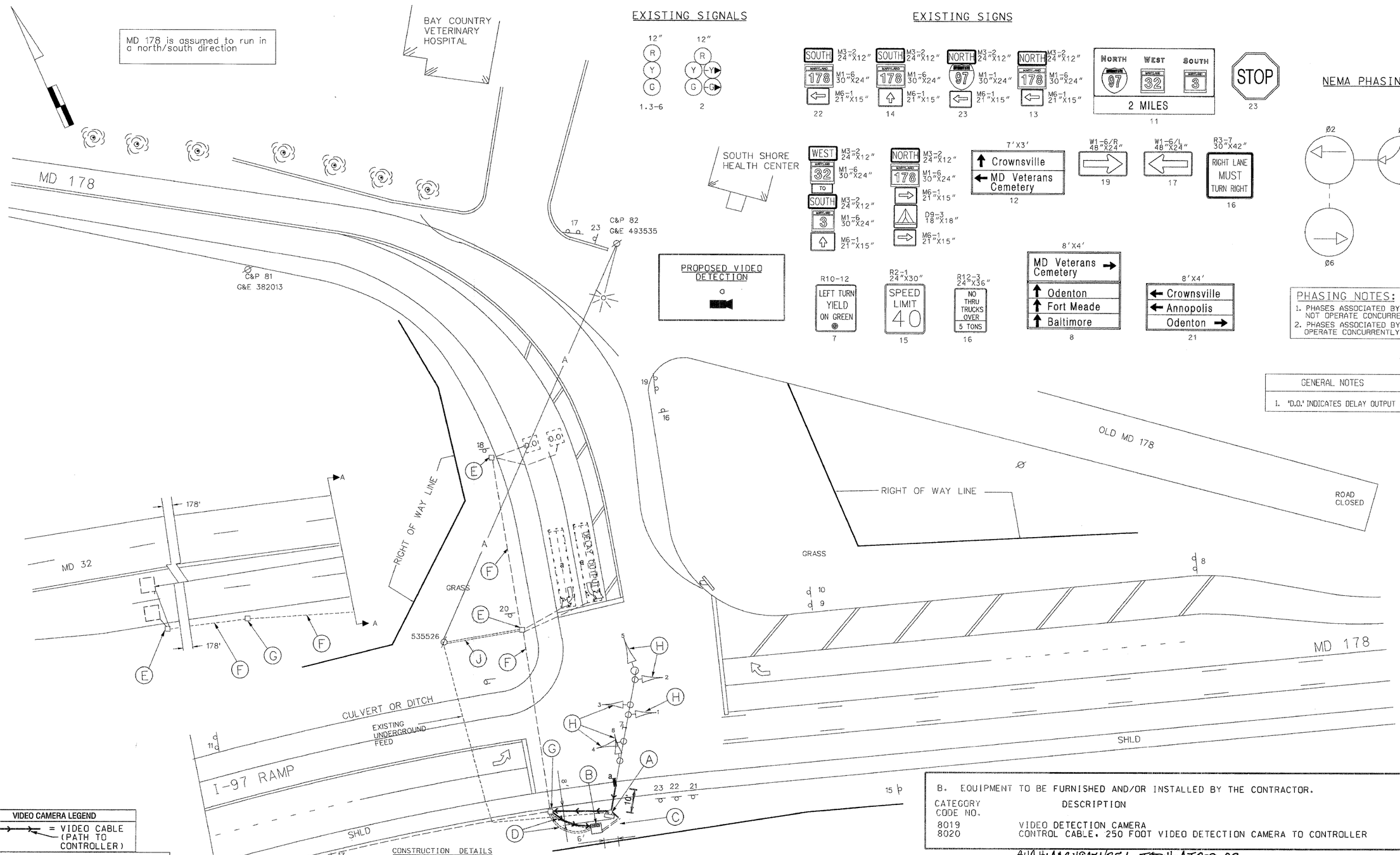
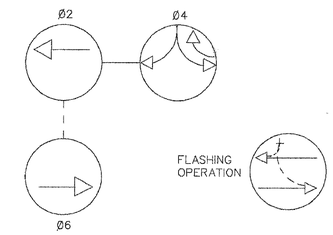
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE BELOW	1	1



EXISTING SIGNALS

EXISTING SIGNS

NEMA PHASING



PHASING NOTES:

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

GENERAL NOTES

1. 'D.O.' INDICATES DELAY OUTPUT LOOP DETECTOR.

VIDEO CAMERA LEGEND

= VIDEO CABLE (PATH TO CONTROLLER)

UTILITY LEGEND

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

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

CONSTRUCTION DETAILS

A. Remove and salvage existing pole mounted controller cabinet. Disconnect power service wire at disconnect switch. Install 1 1/4 LB and rewire service feed to proposed controller cabinet.

B. Install base mounted controller and cabinet (size 6) as shown. (Note: two- 4 in. PVC schedule 80 and two - 2 in. schedule 80 conduit bends).

C. Install 2 in. PVC schedule 80 electrical conduit - trenched.

D. Install 4 in. PVC schedule 80 electrical conduit - trenched.

E. Use existing handhole. Maintain existing loop detector wires and resplice to proposed 2 conductor aluminum shielded cable.

F. Use existing conduit.

G. Use existing handhole.

H. Rewire existing signal heads.

J. Install 2 in. PVC schedule 80 electrical conduit - trenched. 90 degree bend at wood pole for proposed phone drop.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
8019	VIDEO DETECTION CAMERA	EA	1
8020	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	1

SHA#: AA348A51/851 TOD#: AT308-02

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

SWA		
E	3/ /04	INSTALL VIDEO DETECTION SHA No. AT3085185
MHR		
E		REPLACE CONTROLLER AND CABINET, ADD PHONE DROP

REVISIONS

D	12/89	INSTALLED ADDITIONAL-DETECTION
C	7/21/86	INSTALLED ADDITION-DETECTION. 855-25005
B		INSTALLED 5-SECTION SIGNAL FOR OVER-LAP AW 879-501-085
A	3/31/83	MD 178 LOOP DETECTORS INSTALLED IN P.V.C AA 338-501-585

APPROVALS

ASST. DIVISION CHIEF, TEDD
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 178 AT I-97 RAMP

DATE 11 / / 89

DRAWN BY: D DICKERSON	F.A.P. NO.	PLAN SHEET NO. E	SHEET NO. 1 OF 10
CHECK BY: B THOMPSON	S.H.A. NO.		
SCALE: 1"=20'	COUNTY ANNE ARUNDEL	TS18328	

FILE: R:\V2-12 200\v12\Task 12\Dwg\tif\Anne Arundel\md178e97.dgn
DATE: 2/7/90-04 11:43