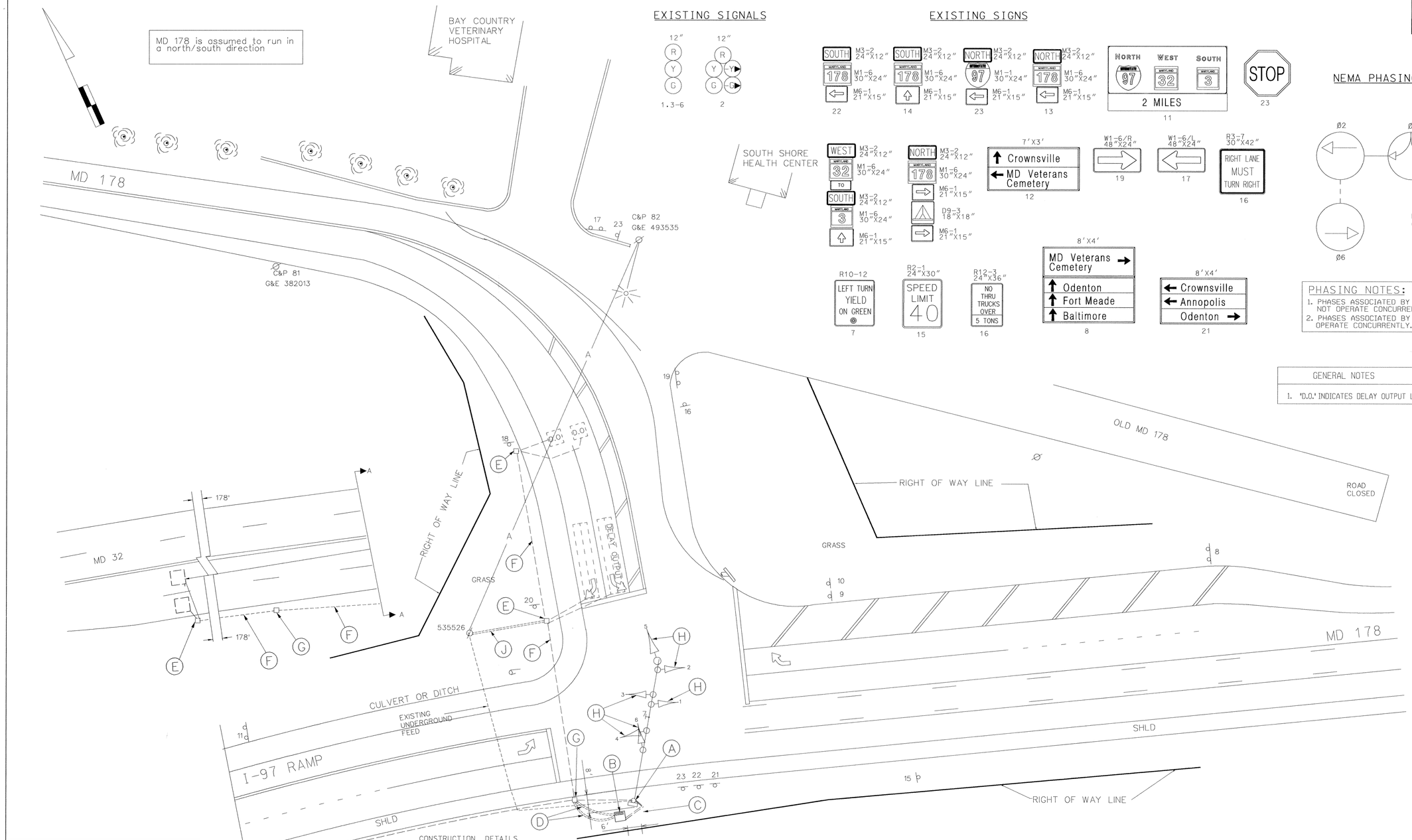
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE BELOW	1	1



EXISTING SIGNALS

12" R Y G 1.3-6

12" R Y Y G G 2

EXISTING SIGNS

SOUTH M3-2 24"X12" / MARYLAND 178 M1-6 30"X24" / M6-1 21"X15" — 22

SOUTH M3-2 24"X12" / MARYLAND 178 M1-6 30"X24" / M6-1 21"X15" — 14

NORTH M3-2 24"X12" / INTERSTATE 97 M1-1 30"X24" / M6-1 21"X15" — 23

NORTH M3-2 24"X12" / MARYLAND 178 M1-6 30"X24" / M6-1 21"X15" — 13

NORTH INTERSTATE 97 — WEST MARYLAND 32 — SOUTH MARYLAND 3 — 2 MILES — 11

STOP — 23

WEST M3-2 24"X12" / MARYLAND 32 M1-6 30"X24" / TO / SOUTH M3-2 24"X12" / MARYLAND 3 M1-6 30"X24" / M6-1 21"X15"

NORTH M3-2 24"X12" / MARYLAND 178 M1-6 30"X24" / M6-1 21"X15" / D9-3 18"X18" / M6-1 21"X15"

7'X3' ↑ Crownsville ← MD Veterans Cemetery — 12

W1-6/R 48"X24" — 19

W1-6/L 48"X24" — 17

R3-7 30"X42" RIGHT LANE MUST TURN RIGHT — 16

R10-12 LEFT TURN YIELD ON GREEN — 7

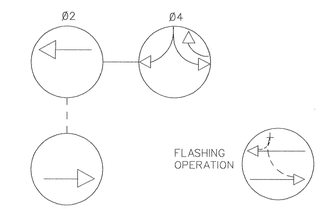
R2-1 24"X30" SPEED LIMIT 40 — 15

R12-3 24"X36" NO THRU TRUCKS OVER 5 TONS — 16

8'X4' MD Veterans Cemetery → / ↑ Odenton / ↑ Fort Meade / ↑ Baltimore — 8

8'X4' ← Crownsville / ← Annapolis / Odenton → — 21

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.

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 1¼ 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.

EBA
EDWARD BOUCHAT, JAMES & ASSOCIATES, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

MHR 11/1/85 — BBL 7/18/90

Ⓔ 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

ORIGINAL ON FILE

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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
CHECK BY: B THOMPSON
SCALE: 1"=20'

F.A.P. NO.
S.H.A. NO.
COUNTY ANNE ARUNDEL

PLAN SHEET NO.: TS1832D

SHEET NO. 1 OF 10