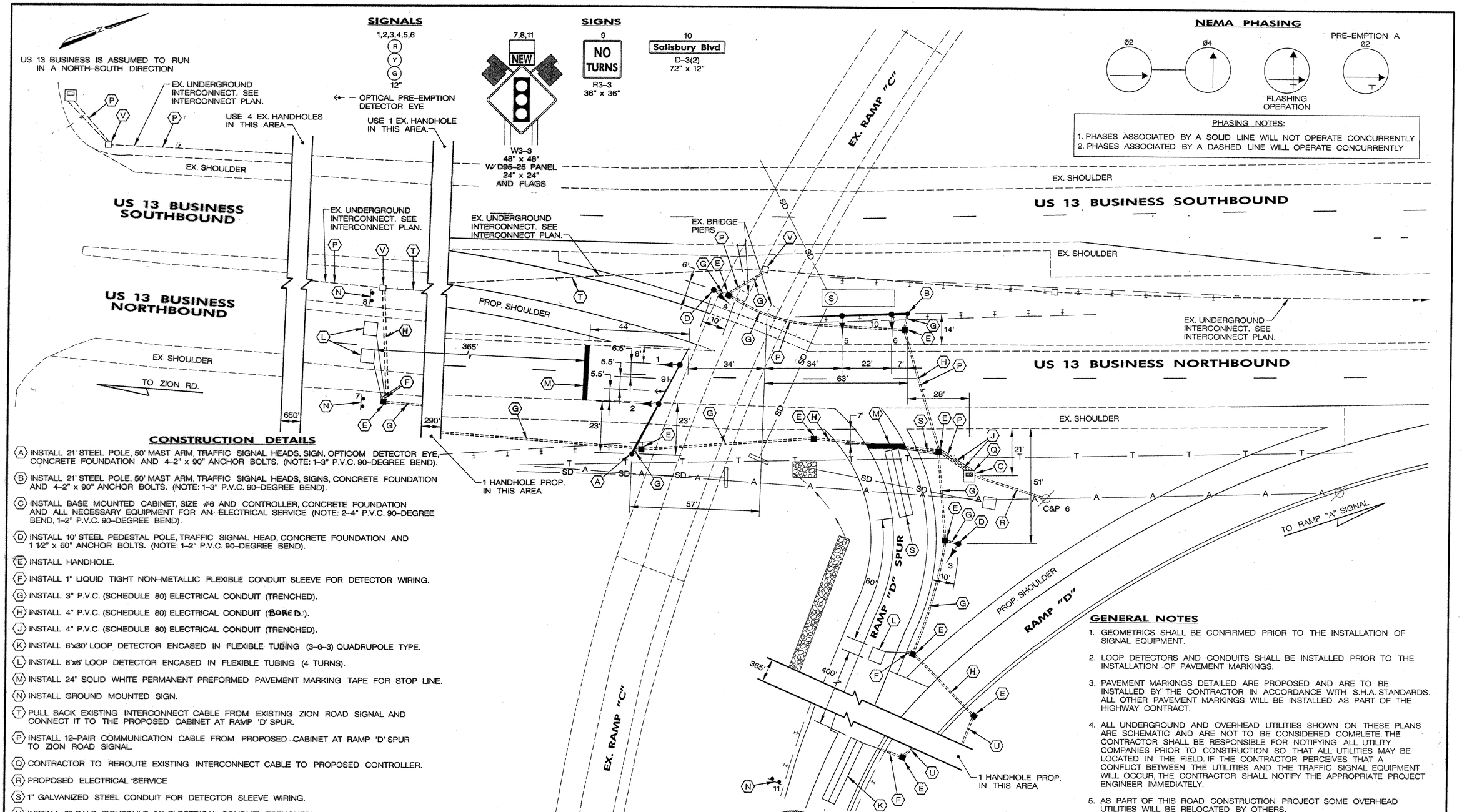

CONSTRUCTION DETAILS

(A) INSTALL 21' STEEL POLE, 50' MAST ARM, TRAFFIC SIGNAL HEADS, SIGN, OPTICOM DETECTOR EYE, CONCRETE FOUNDATION AND 4-2" x 90" ANCHOR BOLTS. (NOTE: 1-3" P.V.C. 90-DEGREE BEND).

(B) INSTALL 21' STEEL POLE, 50' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, CONCRETE FOUNDATION AND 4-2" x 90" ANCHOR BOLTS. (NOTE: 1-3" P.V.C. 90-DEGREE BEND).

(C) INSTALL BASE MOUNTED CABINET, SIZE #6 AND CONTROLLER, CONCRETE FOUNDATION AND ALL NECESSARY EQUIPMENT FOR AN ELECTRICAL SERVICE (NOTE: 2-4" P.V.C. 90-DEGREE BEND, 1-2" P.V.C. 90-DEGREE BEND).

(D) INSTALL 10' STEEL PEDESTAL POLE, TRAFFIC SIGNAL HEAD, CONCRETE FOUNDATION AND 1 1/2" x 60" ANCHOR BOLTS. (NOTE: 1-2" P.V.C. 90-DEGREE BEND).

(E) INSTALL HANDHOLE.

(F) INSTALL 1" LIQUID TIGHT NON-METALLIC FLEXIBLE CONDUIT SLEEVE FOR DETECTOR WIRING.

(G) INSTALL 3" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).

(H) INSTALL 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (BORED).

(J) INSTALL 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).

(K) INSTALL 6'x30' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3) QUADRUPOLE TYPE.

(L) INSTALL 6'x6' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (4 TURNS).

(M) INSTALL 24" SOLID WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE FOR STOP LINE.

(N) INSTALL GROUND MOUNTED SIGN.

(T) PULL BACK EXISTING INTERCONNECT CABLE FROM EXISTING ZION ROAD SIGNAL AND CONNECT IT TO THE PROPOSED CABINET AT RAMP 'D' SPUR.

(P) INSTALL 12-PAIR COMMUNICATION CABLE FROM PROPOSED CABINET AT RAMP 'D' SPUR TO ZION ROAD SIGNAL.

(Q) CONTRACTOR TO REROUTE EXISTING INTERCONNECT CABLE TO PROPOSED CONTROLLER.

(R) PROPOSED ELECTRICAL SERVICE

(S) 1" GALVANIZED STEEL CONDUIT FOR DETECTOR SLEEVE WIRING.

(U) INSTALL 2" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).

(V) USE EXISTING HANDHOLE.

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—SD—SD—	STORM DRAIN
—TV—TV—	CABLE TELEVISION
—E—E—	ELECTRIC CABLES
—T—T—	TELEPHONE CABLES
—A—A—	AERIAL CABLES

GENERAL NOTES

1. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS WILL BE INSTALLED AS PART OF THE HIGHWAY CONTRACT.
4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
5. AS PART OF THIS ROAD CONSTRUCTION PROJECT SOME OVERHEAD UTILITIES WILL BE RELOCATED BY OTHERS.

BOARD OF PROFESSIONAL ENGINEERS No. 23584 PATRICK A. CARVAN STATE OF MARYLAND 3/7/00

REVISIONS	APPROVALS
1 ADDENDUM NO. I 03/15/00	3-10-00 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	3/9/00 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	3/9/00 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	3/10/00 DIRECTOR, TRAFFIC & SAFETY

A/E GROUP, INC.
ENGINEERS • PLANNERS
181 E. Main Street
Westminster, Maryland 21158
A/E Job No. 89-036

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

U.S. ROUTE 13 BUSINESS AT RAMP "D" SPUR

TRAFFIC SIGNALIZATION PLAN

DRAWN BY:	J.N.W.	F.A.P. NO.	SEE TITLE SHEET	TS NO.	SHEET NO.
CHECKED BY:	V.C.J.	S.H.A. NO.	W7005170	3980	
SCALE:	1" = 20'	COUNTY:	WICOMICO	T.I.M.S. NO.	
DATE:	MARCH, 2000	LOG MILE:	22B01356.03	C-911	322 OF 342