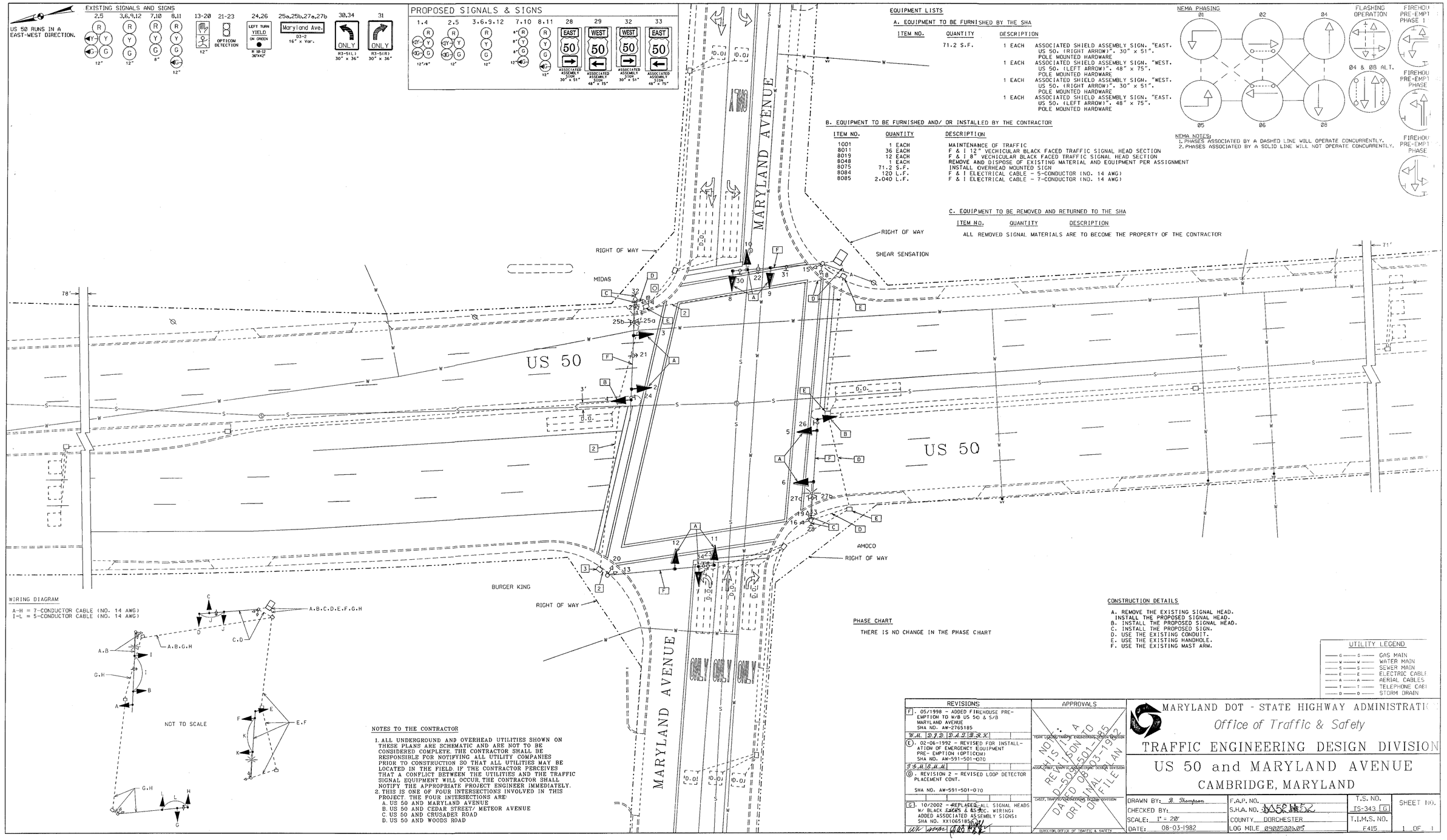
US 50 RUNS IN A EAST-WEST DIRECTION.

EXISTING SIGNALS AND SIGNS

PROPOSED SIGNALS & SIGNS



EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	71.2 S.F.	
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "EAST. US 50. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "WEST. US 50. (LEFT ARROW)". 48" x 75". POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "WEST. US 50. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "EAST. US 50. (LEFT ARROW)". 48" x 75". POLE MOUNTED HARDWARE

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8011	36 EACH	F & I 12" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION
8019	12 EACH	F & I 8" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION
8048	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8075	71.2 S.F.	INSTALL OVERHEAD MOUNTED SIGN
8084	120 L.F.	F & I ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 AWG)
8085	2,040 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
		ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

NEMA PHASING

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

WIRING DIAGRAM

A-H = 7-CONDUCTOR CABLE (NO. 14 AWG)
I-L = 5-CONDUCTOR CABLE (NO. 14 AWG)

NOTES TO THE CONTRACTOR

1. 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.
2. THIS IS ONE OF FOUR INTERSECTIONS INVOLVED IN THIS PROJECT. THE FOUR INTERSECTIONS ARE:
   A. US 50 AND MARYLAND AVENUE
   B. US 50 AND CEDAR STREET/ METEOR AVENUE
   C. US 50 AND CRUSADER ROAD
   D. US 50 AND WOODS ROAD

PHASE CHART

THERE IS NO CHANGE IN THE PHASE CHART

CONSTRUCTION DETAILS

A. REMOVE THE EXISTING SIGNAL HEAD.
   INSTALL THE PROPOSED SIGNAL HEAD.
B. INSTALL THE PROPOSED SIGNAL HEAD.
C. INSTALL THE PROPOSED SIGN.
D. USE THE EXISTING CONDUIT.
E. USE THE EXISTING HANDHOLE.
F. USE THE EXISTING MAST ARM.

UTILITY LEGEND

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

REVISIONS

F. 05/1998 - ADDED FIREHOUSE PRE-EMPTION TO W/B US 50 & S/B MARYLAND AVENUE
SHA NO. AW-2765185
W.H. | D.F.D. | R.A.S. | R.R.K.

E. 02-06-1992 - REVISED FOR INSTALLATION OF EMERGENCY EQUIPMENT PRE- EMPTION (OPTICOM)
SHA NO. AW-591-501-070
S.S.M. | S.M.M.

D. REVISION 2 - REVISED LOOP DETECTOR PLACEMENT CONT.
SHA NO. AW-591-501-070

G. 10/2002 - REPLACED ALL SIGNAL HEADS W/ BLACK FACES & AS-BUILT WIRING; ADDED ASSOCIATED ASSEMBLY SIGNS;
SHA NO. XX1065185
W.K. | [illegible]

APPROVALS

TEAM LEADER/TRAFFIC ENGINEERING DESIGN DIVISION

NOT A REVISION TO D-591-501-085 DATED 08-03-1982 ORIGINAL AN ON FILE

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

US 50 and MARYLAND AVENUE

CAMBRIDGE, MARYLAND

DRAWN BY: *B. Thompson*	F.A.P. NO.	T.S. NO. TS-343 G	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY DORCHESTER	T.I.M.S. NO. F415	1 OF 1
DATE: 08-03-1982	LOG MILE 09025001.05		