

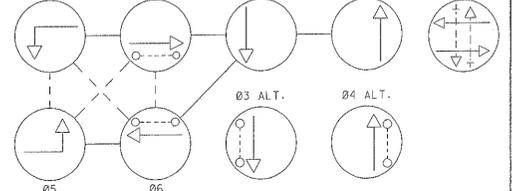
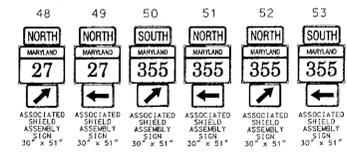
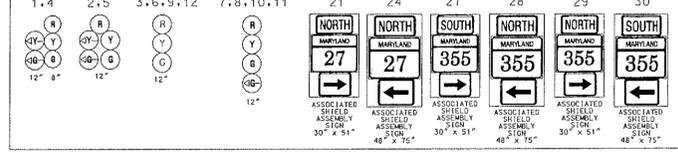
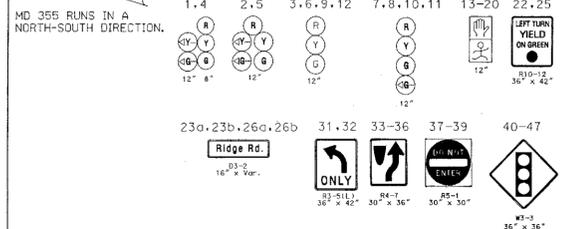
EXISTING SIGNALS & SIGNS

PROPOSED SIGNALS & SIGNS

EXISTING GROUND MOUNTED SIGNS TO BE REMOVED

NEMA PHASING:

FLASHING OPERATION



EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
106.9 S.F.	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, MARYLAND 27, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, MARYLAND 27, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, MARYLAND 355, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, MARYLAND 355, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, MARYLAND 355, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, MARYLAND 355, (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
2002	1 C.Y.	TEST PIT EXCAVATION
5003	55 L.F.	F & I 24" WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKINGS
5004	55 L.F.	REMOVE PAVEMENT MARKING TAPE
8015	42 EACH	F & I 12" BLACK FACED VEHICULAR SIGNAL HEAD SECTION
8020	6 EACH	F & I 8" BLACK FACED VEHICULAR SIGNAL HEAD SECTION
8028	1 EACH	REMOVE AND DISPOSE OF EXISTING EQUIPMENT PER ASSIGNMENT
8050	106.9 S.F.	INSTALL GROUND MOUNTED SIGN
8081-A	1 EACH	F & I 15" LIGHTING ARM ON EXISTING STRUCTURE
8083-A	1 EACH	F & I 250 WATT, HPSV LUMINAIRE
NEG.	290 L.F.	F & I ELECTRICAL CABLE - 2-CONDUCTOR (NO. 12 AWG) - T/C

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

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. CHARLIE WATKINS
DISTRICT ENGINEER
PHONE: (301) 513-7311

MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (301) 513-7350

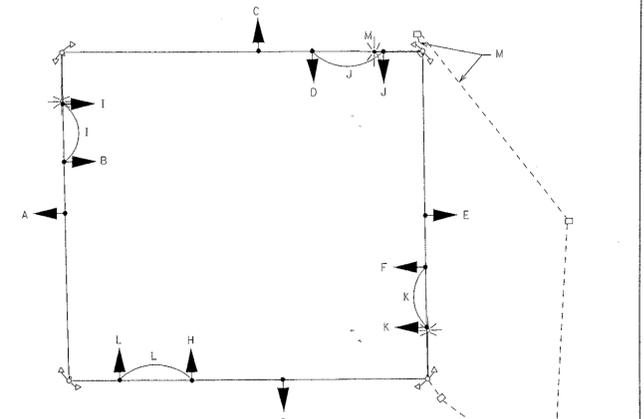
MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

WIRING DIAGRAM

A-H = USE THE EXISTING 7-CONDUCTOR CABLE (NO. 14 AWG)
I-L = USE THE EXISTING 5-CONDUCTOR CABLE (NO. 14 AWG)
M = 2-CONDUCTOR CABLE (NO. 12 AWG) - T/C



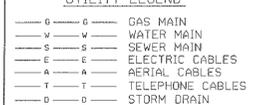
PHASE CHART

THERE ARE NO CHANGES IN THE PHASE CHART

CONSTRUCTION DETAILS

- A. INSTALL THE PROPOSED SIGNAL HEAD.
- B. INSTALL THE PROPOSED 15" LIGHTING ARM AND LUMINAIRE ON THE EXISTING MAST ARM POLE.
- C. USE THE EXISTING CONDUIT.
- D. USE THE EXISTING HANDHOLE.
- E. INSTALL THE PROPOSED 24" WHITE HEAT APPLIED PERMANENT PERFORMED THERMOPLASTIC PAVEMENT MARKINGS (STOPBAR). REMOVE THE EXISTING PAVEMENT MARKINGS.
- F. INSTALL THE PROPOSED SIGN ON THE EXISTING MAST ARM POLE.
- G. REMOVE THE EXISTING SIGN (SEE EXISTING GROUND MOUNTED SIGNS TO BE REMOVED).

UTILITY LEGEND



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. THE CONTRACTOR SHALL INSTALL, AND REMOVE THE PROPOSED AND EXISTING SIGNAL HEADS ONE LEG AT A TIME.

REVISIONS	APPROVALS
	NO. 11 - A REVISED TO NEW ORIGINAL PLAN FILE IN
B. 09/2001 - AS BUILT: REPLACE ALL SIGNAL HEADS & PROVIDE LIGHTING AT SOUTH EAST CORNER SHA NO. 072000	
12/1993 - INSTALL NEW INTERCONNECT & NEW LOOPS SHA NO. 633-802-312	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 355 and MD 27/ RIDGE ROAD
HENDERSON'S CORNER, MARYLAND

DRAWN BY: M.A. M... CHECKED BY: S. K... SCALE: 1" = 20'	F.A.P. NO. 238547-200896 S.H.A. NO. 15035519.83 COUNTY MONTGOMERY LOG MILE 15035519.83	T.S. NO. TS-670 B T.I.M.S. NO. E784	SHEET NO. 1 OF 1
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DATE: 12/17/1993