MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNALS AND SIGNS

1,2,7,8,11,13 — 3-6,9,10,12,14,15 — 16-20,23 — 24,25 — 26a,27b — 26b,27a — 28-30

R3-1(L) 30" x 30" — D3-2 32" x VAR. — D3-2 32" x VAR. — R3-5(L) 30" x 36"

PROPOSED SIGNALS

21,22

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	1.5 S.F.	2 EACH PUSHBUTTON AND R10-4(1) SIGN. "PUSH BUTTON TO CROSS ROCKVILLE PIKE", 9" x 12". POLE MOUNTED HARDWARE

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

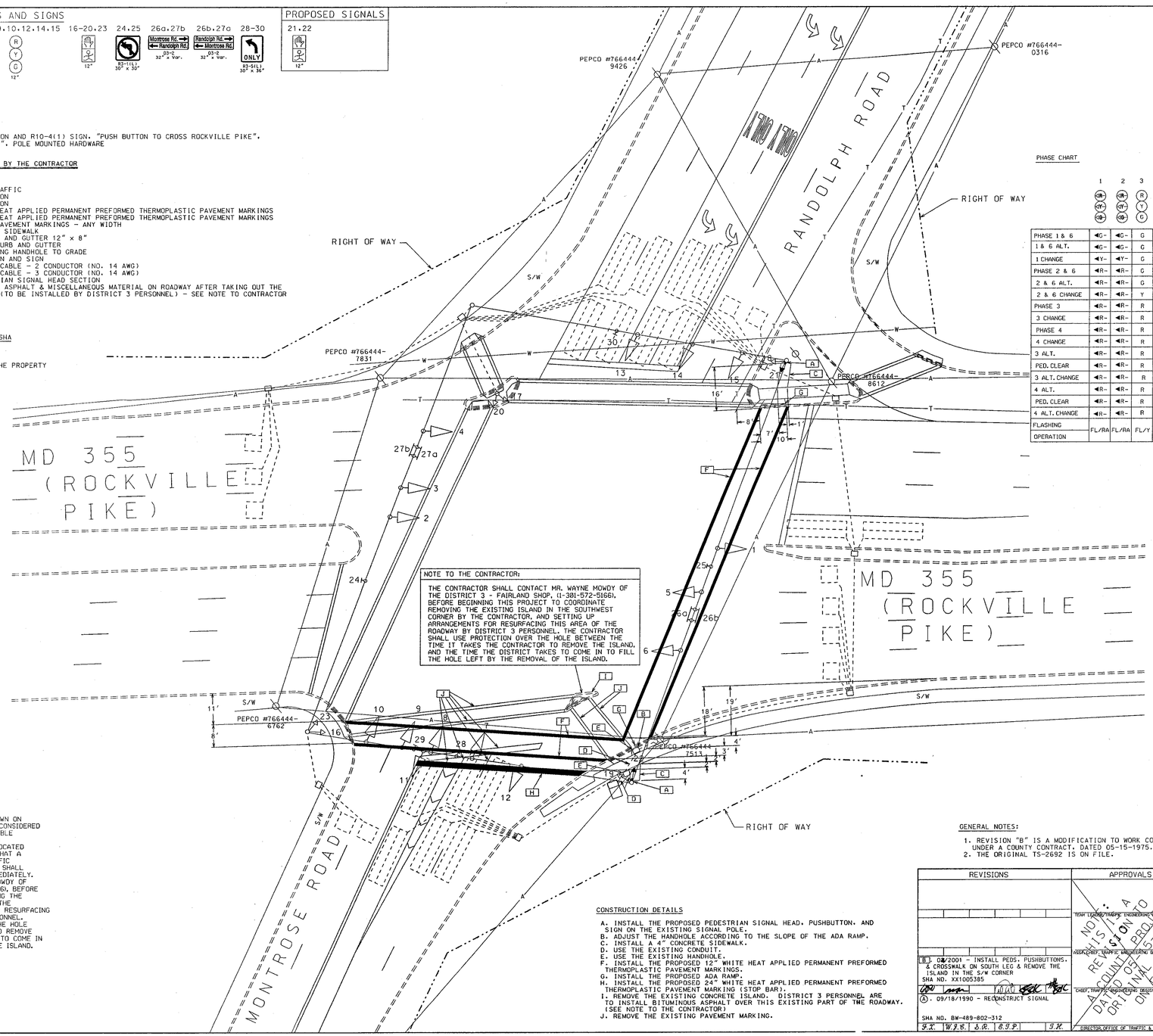
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
2004	1.6 C.Y.	CLASS II EXCAVATION
5003	470 L.F.	F & I 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	70 L.F.	F & I 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5007	320 L.F.	REMOVE EXISTING PAVEMENT MARKINGS - ANY WIDTH
6001	97 S.F.	F & I 4" CONCRETE SIDEWALK
6002	20 L.F.	F & I TYPE A CURB AND GUTTER 12" x 8"
6009	20 L.F.	F & I DEPRESSED CURB AND GUTTER
8002	1 EACH	ADJUST THE EXISTING HANDHOLE TO GRADE
8018	2 EACH	INSTALL PUSHBUTTON AND SIGN
8042	380 L.F.	F & I ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8043	400 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8087	4 EACH	F & I 12" PEDESTRIAN SIGNAL HEAD SECTION
* NEG.	L.S.	INSTALL BITUMUOUS ASPHALT & MISCELLANEOUS MATERIAL ON ROADWAY AFTER TAKING OUT THE EXISTING ISLAND (TO BE INSTALLED BY DISTRICT 3 PERSONNEL) - SEE NOTE TO CONTRACTOR

* - TO BE INSTALLED BY DISTRICT 3 PERSONNEL

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION

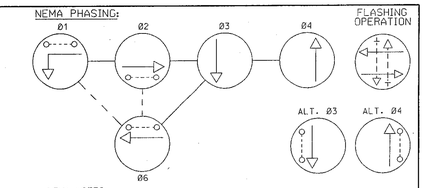
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR



NOTE TO THE CONTRACTOR:

THE CONTRACTOR SHALL CONTACT MR. WAYNE MOWDY OF THE DISTRICT 3 - FAIRLAND SHOP, (1-301-572-5166), BEFORE BEGINNING THIS PROJECT TO COORDINATE REMOVING THE EXISTING ISLAND IN THE SOUTHWEST CORNER BY THE CONTRACTOR, AND SETTING UP ARRANGEMENTS FOR RESURFACING THIS AREA OF THE ROADWAY BY DISTRICT 3 PERSONNEL. THE CONTRACTOR SHALL USE PROTECTION OVER THE HOLE BETWEEN THE TIME IT TAKES THE CONTRACTOR TO REMOVE THE ISLAND, AND THE TIME THE DISTRICT TAKES TO COME IN TO FILL THE HOLE LEFT BY THE REMOVAL OF THE ISLAND.

NEMA PHASING:



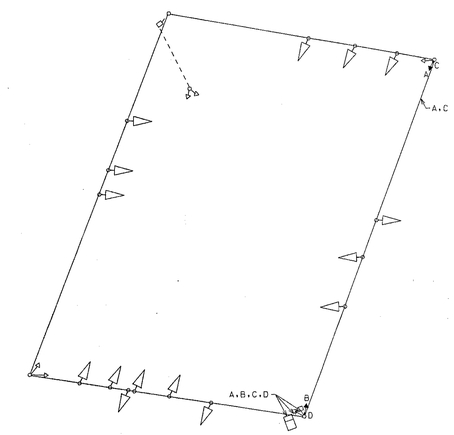
NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17-18	19	20	21-22	23
	GR GY RG	GR GY RG	R Y G	R Y G	R Y G	R Y G	GR GY RG	GR GY RG	R Y G	R Y G	GR GY RG	R Y G	GR GY RG	R Y G	R Y G	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y
PHASE 1 & 6	◄G-	◄G-	G	G	R	R	◄R-	◄R-	R	R	◄R-	R	◄R-	R	R	DW	WK	DW	DW	DW	DW
1 & 6 ALT.	◄G-	◄G-	G	G	R	R	◄R-	◄R-	R	R	◄R-	R	◄R-	R	R	DW	WK	DW	DW	DW	DW
1 CHANGE	◄Y-	◄Y-	G	G	R	R	◄R-	◄R-	R	R	◄R-	R	◄R-	R	R	DW	WK	DW	DW	DW	DW
PHASE 2 & 6	◄R-	◄R-	G	G	G	G	◄R-	◄R-	R	R	◄R-	R	◄R-	R	R	WK	WK	WK	DW	DW	DW
2 & 6 ALT.	◄R-	◄R-	G	G	G	G	◄R-	◄R-	R	R	◄R-	R	◄R-	R	R	FL/DW	FL/DW	FL/DW	DW	DW	DW
2 & 6 CHANGE	◄R-	◄R-	Y	Y	Y	Y	◄R-	◄R-	R	R	◄R-	R	◄R-	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	◄R-	◄R-	R	R	R	R	◄G-	◄G-	G	G	◄R-	R	◄R-	R	R	DW	DW	DW	DW	DW	DW
3 CHANGE	◄R-	◄R-	R	R	R	R	◄Y-	◄Y-	Y	Y	◄R-	R	◄R-	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	◄R-	◄R-	R	R	R	R	◄R-	◄R-	R	R	◄G-	G	◄G-	G	G	DW	DW	DW	DW	DW	DW
4 CHANGE	◄R-	◄R-	R	R	R	R	◄R-	◄R-	R	R	◄Y-	Y	◄Y-	Y	Y	DW	DW	DW	DW	DW	DW
3 ALT.	◄R-	◄R-	R	R	R	R	◄G-	◄G-	G	G	◄R-	R	◄R-	R	R	DW	DW	DW	WK	DW	WK
PED. CLEAR	◄R-	◄R-	R	R	R	R	◄G-	◄G-	G	G	◄R-	R	◄R-	R	R	DW	DW	DW	FL/DW	DW	FL/DW
3 ALT. CHANGE	◄R-	◄R-	R	R	R	R	◄Y-	◄Y-	Y	Y	◄R-	R	◄R-	R	R	DW	DW	DW	DW	DW	DW
4 ALT.	◄R-	◄R-	R	R	R	R	◄R-	◄R-	R	R	◄G-	G	◄G-	G	G	DW	DW	DW	DW	WK	DW
PED. CLEAR	◄R-	◄R-	R	R	R	R	◄R-	◄R-	R	R	◄G-	G	◄G-	G	G	DW	DW	DW	DW	FL/DW	DW
4 ALT. CHANGE	◄R-	◄R-	R	R	R	R	◄R-	◄R-	R	R	◄Y-	Y	◄Y-	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/Y	FL/RA	FL/RA	FL/R	FL/R	FL/RA	FL/R	FL/RA	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM

A-B = 3-CONDUCTOR CABLE (NO. 14 AWG)
C-D = 2-CONDUCTOR CABLE (NO. 14 AWG)



NOTE TO THE CONTRACTOR:

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THIS PLAN 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 CONTACT MR. WAYNE MOWDY OF THE DISTRICT 3 - FAIRLAND SHOP, (1-301-572-5166), BEFORE BEGINNING THIS PROJECT TO COORDINATE REMOVING THE EXISTING ISLAND IN THE SOUTHWEST CORNER BY THE CONTRACTOR, AND SETTING UP ARRANGEMENTS FOR RESURFACING THIS AREA OF THE ROADWAY BY DISTRICT 3 PERSONNEL. THE CONTRACTOR SHALL USE PROTECTION OVER THE HOLE BETWEEN THE TIME IT TAKES THE CONTRACTOR TO REMOVE THE ISLAND, AND THE TIME THE DISTRICT TAKES TO COME IN TO FILL THE HOLE LEFT BY THE REMOVAL OF THE ISLAND.

UTILITY LEGEND

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

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN ON THE EXISTING SIGNAL POLE.
B. ADJUST THE HANDHOLE ACCORDING TO THE SLOPE OF THE ADA RAMP.
C. INSTALL A 4" CONCRETE SIDEWALK.
D. USE THE EXISTING CONDUIT.
E. USE THE EXISTING HANDHOLE.
F. INSTALL THE PROPOSED 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.
G. INSTALL THE PROPOSED ADA RAMP.
H. INSTALL THE PROPOSED 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP BAR).
I. REMOVE THE EXISTING CONCRETE ISLAND. DISTRICT 3 PERSONNEL ARE TO INSTALL BITUMINOUS ASPHALT OVER THIS EXISTING PART OF THE ROADWAY. (SEE NOTE TO THE CONTRACTOR)
J. REMOVE THE EXISTING PAVEMENT MARKING.

GENERAL NOTES:

1. REVISION "B" IS A MODIFICATION TO WORK COMPLETED UNDER A COUNTY CONTRACT. DATED 05-15-1975.
2. THE ORIGINAL TS-2692 IS ON FILE.

REVISIONS	APPROVALS
B. 08/2001 - INSTALL PEDS. PUSHBUTTONS. & CROSSWALK ON SOUTH LEG & REMOVE THE ISLAND IN THE S/W CORNER SHA NO. XX1005385	NOTE: A REVISION TO THIS PROJECT DATED 05-15-1975 IS ON FILE. A COUNTY CONTRACT ORIGINAL PLAN
A. 09/18/1990 - RECONSTRUCT SIGNAL SHA NO. BW-489-802-312	TRAF. LIGHTS/TRAFFIC ENGINEERING DESIGN DIVISION ASSIST. 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

MD 355 (ROCKVILLE PIKE) and MONTROSE ROAD/ RANDOLPH ROAD
ROCKVILLE, MARYLAND

DRAWN BY:	F.A.P. NO.	T.S. NO. TS-2692 B	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY MONTGOMERY	T.I.M.S. NO. E392	1 OF 1
DATE: 05/15/1975	LOC MILE 15035506.70		