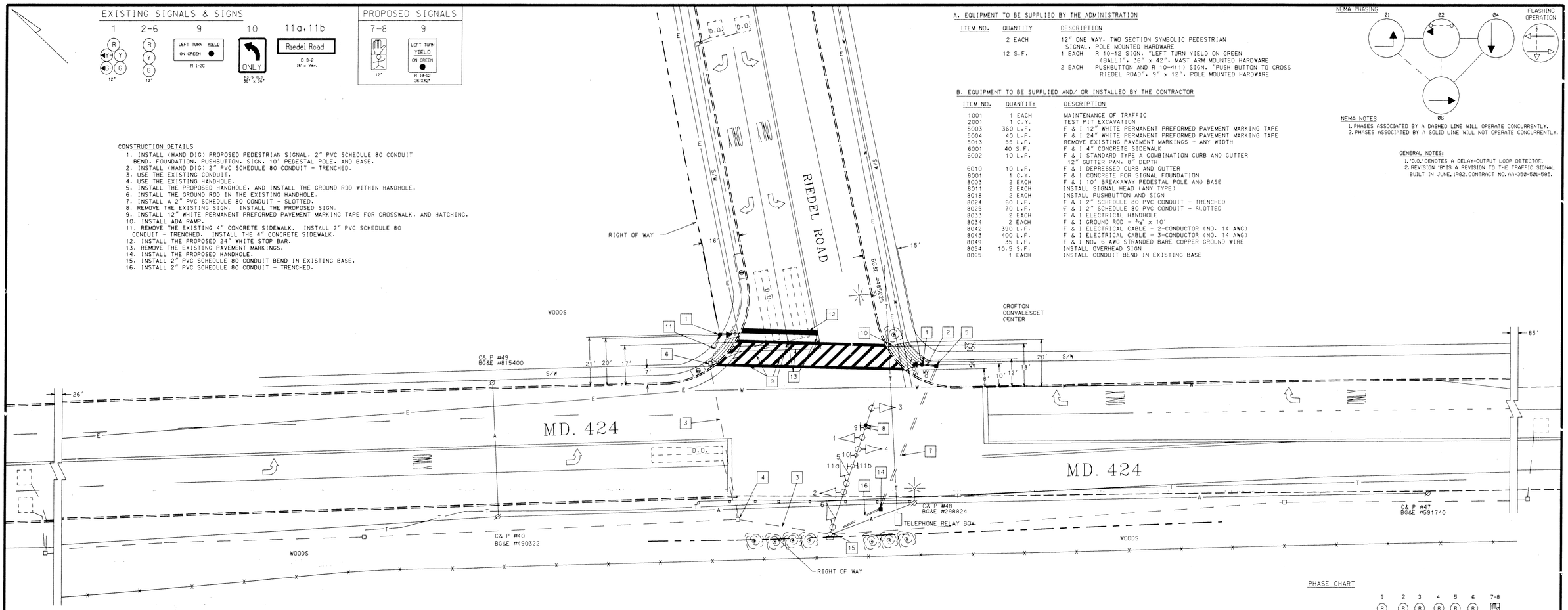
EXISTING SIGNALS & SIGNS

PROPOSED SIGNALS

CONSTRUCTION DETAILS

1. INSTALL (HAND DIG) PROPOSED PEDESTRIAN SIGNAL. 2" PVC SCHEDULE 80 CONDUIT BEND. FOUNDATION. PUSHBUTTON. SIGN. 10' PEDESTAL POLE. AND BASE.
2. INSTALL (HAND DIG) 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
3. USE THE EXISTING CONDUIT.
4. USE THE EXISTING HANDHOLE.
5. INSTALL THE PROPOSED HANDHOLE. AND INSTALL THE GROUND ROD WITHIN HANDHOLE.
6. INSTALL THE GROUND ROD IN THE EXISTING HANDHOLE.
7. INSTALL A 2" PVC SCHEDULE 80 CONDUIT - SLOTTED.
8. REMOVE THE EXISTING SIGN. INSTALL THE PROPOSED SIGN.
9. INSTALL 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE FOR CROSSWALK. AND HATCHING.
10. INSTALL ADA RAMP.
11. REMOVE THE EXISTING 4" CONCRETE SIDEWALK. INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED. INSTALL THE 4" CONCRETE SIDEWALK.
12. INSTALL THE PROPOSED 24" WHITE STOP BAR.
13. REMOVE THE EXISTING PAVEMENT MARKINGS.
14. INSTALL THE PROPOSED HANDHOLE.
15. INSTALL 2" PVC SCHEDULE 80 CONDUIT BEND IN EXISTING BASE.
16. INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.



A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	2 EACH	12" ONE WAY. TWO SECTION SYMBOLIC PEDESTRIAN SIGNAL. POLE MOUNTED HARDWARE
	12 S.F.	1 EACH R 10-12 SIGN. "LEFT TURN YIELD ON GREEN (BALL)". 36" x 42". MAST ARM MOUNTED HARDWARE
		2 EACH PUSHBUTTON AND R 10-4(1) SIGN. "PUSH BUTTON TO CROSS RIEDEL ROAD". 9" x 12". POLE MOUNTED HARDWARE

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

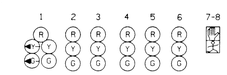
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
5003	360 L.F.	F & I 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5004	40 L.F.	F & I 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5013	55 L.F.	REMOVE EXISTING PAVEMENT MARKINGS - ANY WIDTH
6001	40 S.F.	F & I 4" CONCRETE SIDEWALK
6002	10 L.F.	F & I STANDARD TYPE A COMBINATION CURB AND GUTTER 12" GUTTER PAN. 8" DEPTH
6010	10 L.F.	F & I DEPRESSED CURB AND GUTTER
8001	1 C.Y.	F & I CONCRETE FOR SIGNAL FOUNDATION
8003	2 EACH	F & I 10' BREAKAWAY PEDESTAL POLE AN) BASE
8011	2 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
8018	2 EACH	INSTALL PUSHBUTTON AND SIGN
8024	60 L.F.	F & I 2" SCHEDULE 80 PVC CONDUIT - TRENCHED
8025	70 L.F.	F & I 2" SCHEDULE 80 PVC CONDUIT - SLOTTED
8033	2 EACH	F & I ELECTRICAL HANDHOLE
8034	2 EACH	F & I GROUND ROD - 3/4" x 10'
8042	390 L.F.	F & I ELECTRICAL CABLE - 2-CONDUCTOR (NO. 14 AWG)
8043	400 L.F.	F & I ELECTRICAL CABLE - 3-CONDUCTOR (NO. 14 AWG)
8049	35 L.F.	F & I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8054	10.5 S.F.	INSTALL OVERHEAD SIGN
8065	1 EACH	INSTALL CONDUIT BEND IN EXISTING BASE

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.

GENERAL NOTES:
1. "D.O." DENOTES A DELAY-OUTPUT LOOP DETECTOR.
2. REVISION "B" IS A REVISION TO THE TRAFFIC SIGNAL BUILT IN JUNE, 1982, CONTRACT NO. AA-358-581-585.

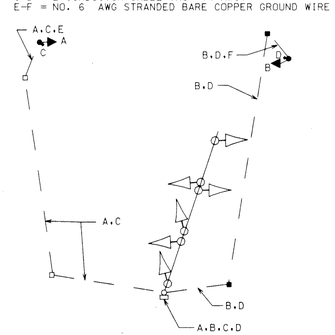
PHASE CHART



PHASE 1 & 6	G-G	G	R	R	R	R	DW	
1 CHANGE	Y-G	G	R	R	R	R	DW	
PHASE 2 & 6	G	G	G	G	R	R	DW	
2 & 6 CHANGE	Y	Y	Y	Y	R	R	DW	
2 & 6 ALT.	G	G	G	G	R	R	WK	
PED. CLEAR	G	G	G	G	R	R	FL/DW	
2 & 6 ALT. CHANGE	Y	Y	Y	Y	R	R	DW	
PHASE 4	R	R	R	R	G	G	DW	
4 CHANGE	R	R	R	R	Y	Y	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	

WIRING DIAGRAM

A-B = 3-CONDUCTOR CABLE (NO. 14 AWG)
C-D = 2 CONDUCTOR CABLE (NO. 14 AWG)
E-F = NO. 6 AWG STRANDED BARE COPPER GROUND WIRE



GEOMETRIC LEGEND

EXISTING
PROPOSED

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

REVISIONS	APPROVALS
B. 07/98 - ASBUILT AND INSTALL PEDESTRIAN SIGNALS ON RIEDEL RD. S.H.A. NO. AW-2795185	ASST. DIVISION CHIEF, TEDD ORIGINAL
A. ASBUILT AND INSTALL NEW DETECTORS E/B FOR NEW GEOMETRICS 02/07/1990 S.H.A. NO. BW-294-802-512	ASST. DISTRICT ENGINEER, TRAFFIC ON
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION FILE
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD. 424 AND RIEDEL ROAD
CROFTON, MARYLAND

SIGNAL NO. 02042407.36 — DATE: 06/02/1982

DRAWN BY: Bruce Thompson
DES. BY: Bruce Thompson
CHECK BY: Dennis J. Dade
SCALE: 1" = 20'

F.A.P. NO.
S.H.A. NO. 238SST2507625
COUNTY ANNE ARUNDEL

PLAN SHEET NO.: TS-1864 B

SHEET NO. 1 OF 1

k:\sgnl\ha4072a\a424rel.dgn Jul. 13, 1998 09:55:27