MD 658 RUNS IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNALS

4: R, Y, G (12") 5,8,9: R, Y, G (12")

EXISTING SIGNS

11: LEFT TURN YIELD ON GREEN — R 10-12, 36" x 42"

12: Vocke Road — D-3(1) (16" X VARIABLE)

PROPOSED SIGNALS

1,2,6,7: R, Y, G (12")

3: R 8", Y 8", G 8" (12")

18: OPTICOM DETECTOR EYE

PROPOSED SIGNS

10a,b: Braddock Road ← → Braddock Road — D-3(1) DUAL FACE (16" X VARIABLE)

13, 15: R 3-5L, 30" x 36"

16: R 3-5R, 30" x 36"

17: R 3-8(MOD.), 36" x 72"

18: R 3-5(1), 30" x 36"

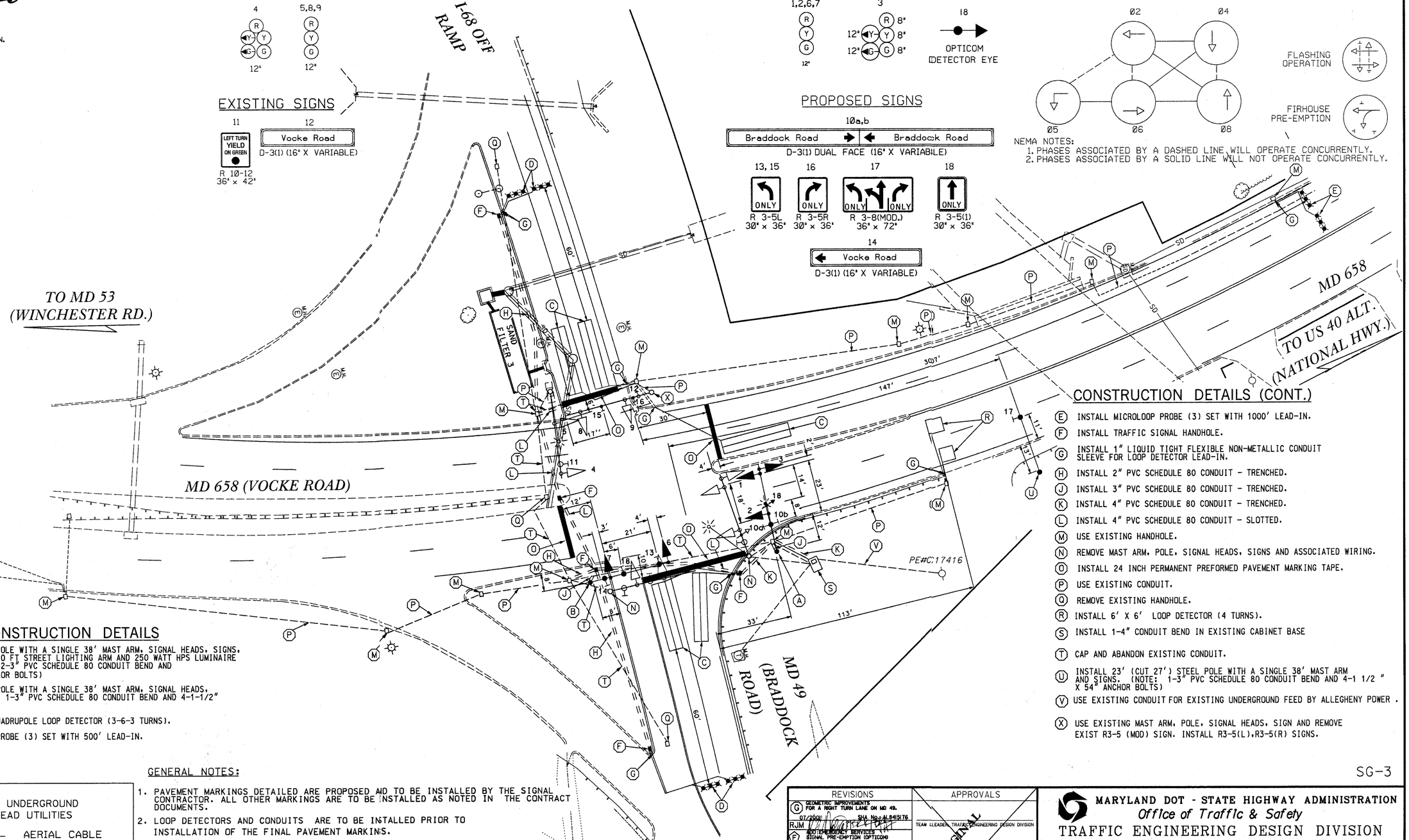
14: ← Vocke Road — D-3(1) (16" X VARIABLE)

NEMA PHASING

FLASHING OPERATION

FIRHOUSE PRE-EMPTION

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



CONSTRUCTION DETAILS

(A) INSTALL 27' STEEL POLE WITH A SINGLE 38' MAST ARM, SIGNAL HEADS, SIGNS, OPTICOM DETECTOR, 20 FT STREET LIGHTING ARM AND 250 WATT HPS LUMINAIRE AS SHOWN. (NOTE: 2-3" PVC SCHEDULE 80 CONDUIT BEND AND 4-1-1/2" X 54" ANCHOR BOLTS)

(B) INSTALL 27' STEEL POLE WITH A SINGLE 38' MAST ARM, SIGNAL HEADS, AND SIGNS. (NOTE: 1-3" PVC SCHEDULE 80 CONDUIT BEND AND 4-1-1/2" X 54" ANCHOR BOLTS)

(C) INSTALL 6' X 30' QUADRUPOLE LOOP DETECTOR (3-6-3 TURNS).

(D) INSTALL MICROLOOP PROBE (3) SET WITH 500' LEAD-IN.

CONSTRUCTION DETAILS (CONT.)

(E) INSTALL MICROLOOP PROBE (3) SET WITH 1000' LEAD-IN.

(F) INSTALL TRAFFIC SIGNAL HANDHOLE.

(G) INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SLEEVE FOR LOOP DETECTOR LEAD-IN.

(H) INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.

(J) INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.

(K) INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.

(L) INSTALL 4" PVC SCHEDULE 80 CONDUIT - SLOTTED.

(M) USE EXISTING HANDHOLE.

(N) REMOVE MAST ARM, POLE, SIGNAL HEADS, SIGNS AND ASSOCIATED WIRING.

(O) INSTALL 24 INCH PERMANENT PREFORMED PAVEMENT MARKING TAPE.

(P) USE EXISTING CONDUIT.

(Q) REMOVE EXISTING HANDHOLE.

(R) INSTALL 6' X 6' LOOP DETECTOR (4 TURNS).

(S) INSTALL 1-4" CONDUIT BEND IN EXISTING CABINET BASE

(T) CAP AND ABANDON EXISTING CONDUIT.

(U) INSTALL 23' (CUT 27') STEEL POLE WITH A SINGLE 38' MAST ARM AND SIGNS. (NOTE: 1-3" PVC SCHEDULE 80 CONDUIT BEND AND 4-1 1/2 " X 54" ANCHOR BOLTS)

(V) USE EXISTING CONDUIT FOR EXISTING UNDERGROUND FEED BY ALLEGHENY POWER .

(X) USE EXISTING MAST ARM, POLE, SIGNAL HEADS, SIGN AND REMOVE EXIST R3-5 (MOD) SIGN. INSTALL R3-5(L),R3-5(R) SIGNS.

SG-3

GENERAL NOTES:

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND TO BE INSTALLED BY THE SIGNAL CONTRACTOR. ALL OTHER MARKINGS ARE TO BE INSTALLED AS NOTED IN THE CONTRACT DOCUMENTS.
2. LOOP DETECTORS AND CONDUITS ARE TO BE INSTALLED PRIOR TO INSTALLATION OF THE FINAL PAVEMENT MARKINGS.
3. LOOP DETECTORS ARE TO BE INSTALLED ONE (1) FOOT BEHIND STOP LINE.
4. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHAL BE INSTALLED TO FINAL GRADE.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY 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 WILL OCCUR, THE CONRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

BAI BRUDIS & ASSOCIATES, INC. CONSULTING ENGINEERS
9220 RUMSEY ROAD; SUITE 210
COLUMBIA, MARYLAND 21045
(410)-884-3607

REVISIONS					
G	GEOMETRIC IMPROVEMENTS FOR A RIGHT TURN LANE ON MD 49.				
07/2001	SHA No: AL8415176				
RJM	BOTSFORD-RICKY SERVICES TH				
F	SIGNAL PRE-EMPTION (OPTICOM) FOR SOUTHBOUND MD 658.				
06/2000	SHA No: XX1005785				
MK	DJD	DAZ	DAZ	TH	
E	REDLINE REVISION				
	06/93				
WM	CRS	DD	DAZ	ETP	TH
D	REPLACED TER. CABINET, ALL LOOP DETECTORS, HANDBOXES, & CONDUIT				
	09/92				
WM					

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 658 (VOCKE ROAD) & I-68 OFF RAMP W/B MD 49 (BRADDOCK ROAD)

DRAWN BY:	B.F.	F.A.P. NO.		TS NO. TS-318 G	SHEET NO.
CHECKED BY:	R.M.	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	ALLEGANY	T.I.M.S. NO. E-097	32 OF 56
DATE:	Sept. 1992	LOG MILE:	01065800.63		