F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 32 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

13 — Bennett Road →

20 — Johnsville Road →
D3-2 (DUAL FACED) (VARIABLE x 32")

16 — ← Johnsville Road

17 — ← Bennett Road
D3-2 (DUAL FACED) (VARIABLE x 32")

PROPOSED SIGNS

14 — ← Johnsville RD

19 — Johnsville RD →
D3-2 (DUAL FACED) (VARIABLE x 16")

15 — Bennett RD →

18 — ← Bennett RD
D3-2 (DUAL FACED) (VARIABLE x 16")

PROPOSED SIGNS

21 — SOUTH MARYLAND 32 →
ASSOCIATED SHIELD ASSEMBLY (24" X 51")

22 — NORTH MARYLAND 32 ←
ASSOCIATED SHIELD ASSEMBLY (36" X 75")

23 — NORTH MARYLAND 32 →
ASSOCIATED SHIELD ASSEMBLY (24" X 51")

24 — SOUTH MARYLAND 32 ←
ASSOCIATED SHIELD ASSEMBLY (36" X 75")

25 — R3-6 (30" X 36")

26 — ONLY R3-5R (30" X 36")

EXISTING SIGNALS TO REMAIN

1-6,9,12 — R Y G 12"

EXISTING SIGNALS TO BE REMOVED

8a,11a — R Y G 12"

PROPOSED SIGNALS

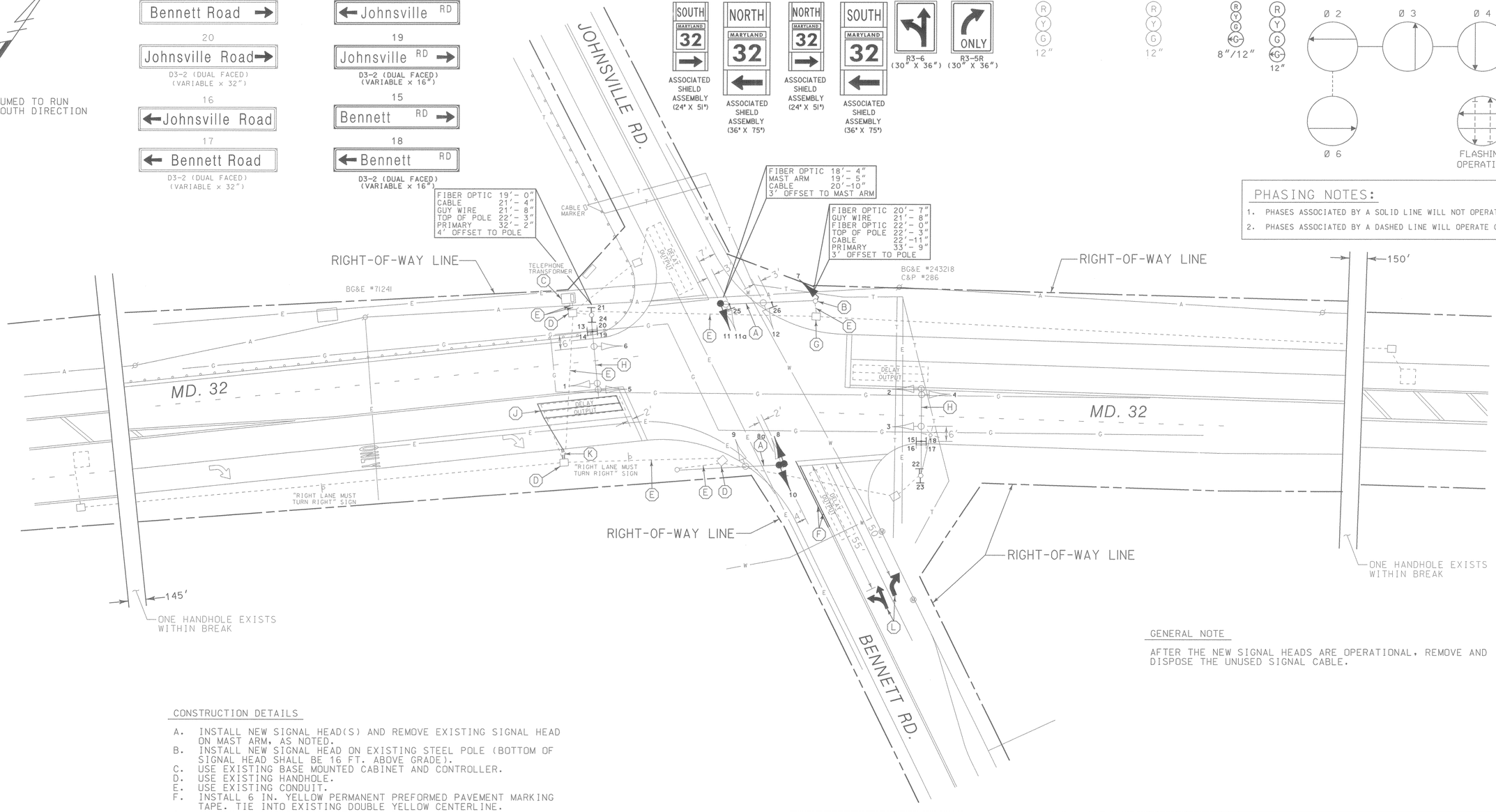
7,10 — R Y G G 8"/12"

8,11 — R Y G G 12"

NEMA PHASING

PHASING NOTES:

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



GENERAL NOTE

AFTER THE NEW SIGNAL HEADS ARE OPERATIONAL, REMOVE AND DISPOSE THE UNUSED SIGNAL CABLE.

CONSTRUCTION DETAILS

A. INSTALL NEW SIGNAL HEAD(S) AND REMOVE EXISTING SIGNAL HEAD ON MAST ARM, AS NOTED.
B. INSTALL NEW SIGNAL HEAD ON EXISTING STEEL POLE (BOTTOM OF SIGNAL HEAD SHALL BE 16 FT. ABOVE GRADE).
C. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
D. USE EXISTING HANDHOLE.
E. USE EXISTING CONDUIT.
F. INSTALL 6 IN. YELLOW PERMANENT PREFORMED PAVEMENT MARKING TAPE. TIE INTO EXISTING DOUBLE YELLOW CENTERLINE.
G. ADJUST HANDHOLE TO EXISTING GRADE.
H. INSTALL NEW SIGNS AND REMOVE EXISTING SIGNS ON MAST ARM.
J. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
K. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
L. INSTALL THERMOPLASTIC PAVEMENT MARKING ARROW.

LOG MILE 06003204.23

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

WR&A
Whitman, Requardt and Associates
Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS		APPROVALS	REVISIONS
B INSTALL SPLIT PHASING ON JOHNSVILLE/BENNETT ROAD. SHA #19MFT25075.10	8/97	ASSISTANT DIVISION CHIEF	
NML		ASST. DISTRICT ENGINEER, TRAFFIC	
A I.C.B. UPGRADED TO A FULLY-ACTUATED SIGNAL.	5/90	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
DAD		DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

ORIGINAL ON FILE

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

MD 32 AND JOHNSVILLE/BENNETT ROAD

DATE: 5-86	DRAWN BY: D.DISTANCE	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
SCALE: 1" = 20'	DESIGNED BY:	S.H.A. NO.	TOCL-714-501-785	TS-2183B	1 OF 2
APPROVED BY:	CHECKED BY:	COUNTY	CARROLL		