MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

## EXISTING SIGNS TO REMAIN

14.20 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")

26 — ONLY — R3-5L (30" X 36")

31 — ONLY — R3-5R (30" X 36")

15,17,19,21 — Shawan Road — D-3(1) (DUAL FACED) (VARIABLE x 16")

22,27,29,32 — York Road — D-3(1) (DUAL FACED) (VARIABLE x 16")

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## EXISTING SIGNS TO BE REMOVED

16 — ONLY — R3-5R (30" X 36")

25,30 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")

## PROPOSED SIGNS

23 — SOUTH MARYLAND 45 — ASSOCIATED SHIELD ASSEMBLY (24" X 54")

24 — NORTH MARYLAND 45 — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

28 — R3-6 (30" X 36")

## PROPOSED SIGNAL HEADS

9,12 — 8"/12"

10,13 — 12"

11,14 — 12"

## EXISTING SIGNAL HEADS TO REMAIN

1,6 — 12"/8"

2,7 — 12"

4,5

3,8 — 12"

## EXISTING SIGNAL HEADS TO BE REMOVED

9A,12A — 12"/8"

10A,13A — 12"

11A,14A — 12"

## NEMA PHASING

Ø1 Ø2 Ø3 Ø4

Ø5 Ø6

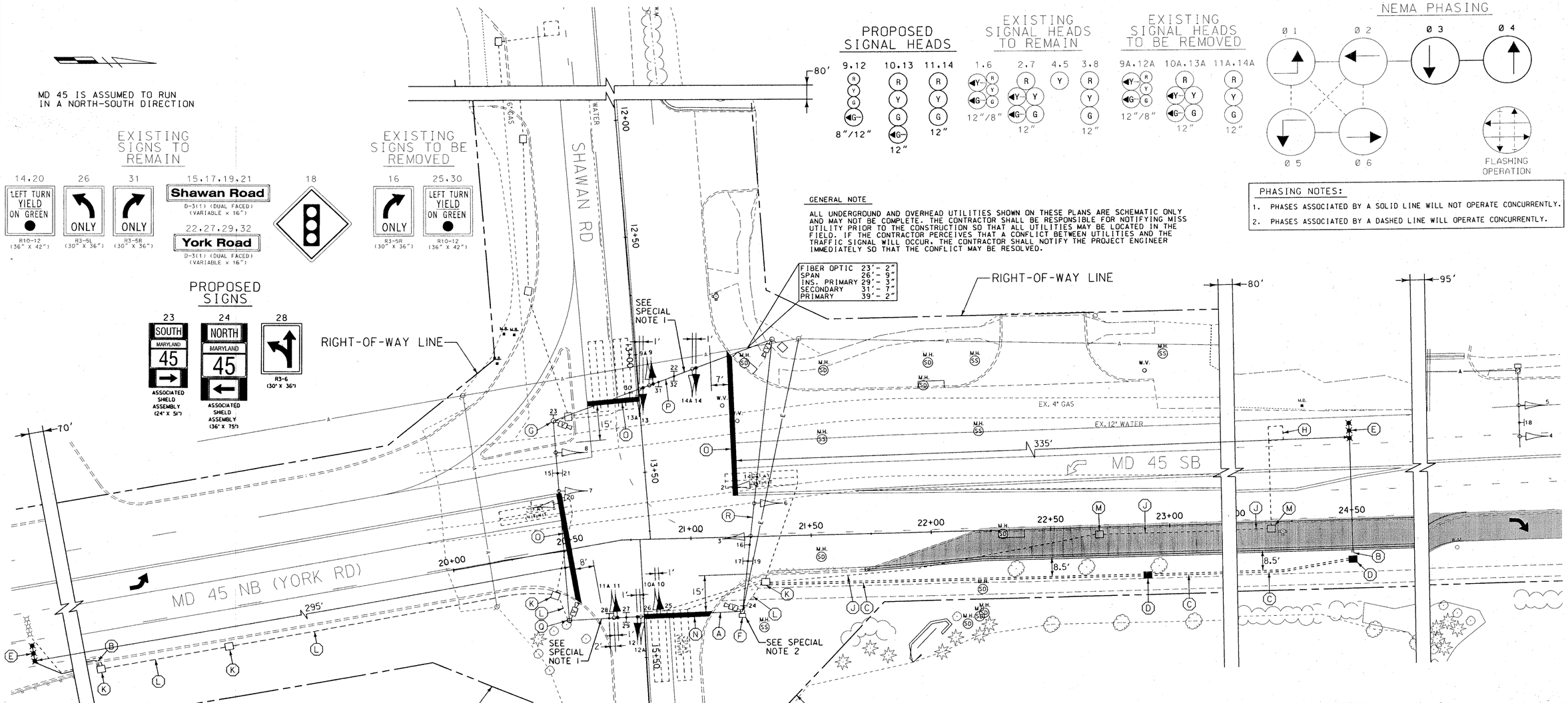
FLASHING OPERATION

**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**

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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.




**CONSTRUCTION DETAILS**

A. INSTALL NEW TRAFFIC SIGNAL HEADS AND SIGN AND REMOVE TRAFFIC SIGNAL HEADS AND SIGN ON SPAN WIRE AS NOTED.
B. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
C. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
D. INSTALL HANDHOLE.
E. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
F. USE EXISTING STRAIN POLE AND POLE MOUNTED CABINET AND CONTROLLER AND INSTALL NEW CONTROL AND DISTRIBUTION EQUIPMENT. INSTALL SHIELD ASSEMBLY SIGN ON STRAIN POLE. REMOVE EXISTING CONTROL AND DISTRIBUTION EQUIPMENT.
G. USE EXISTING STRAIN POLE AND INSTALL SHIELD ASSEMBLY SIGN.
H. ABANDON EXISTING LOOP DETECTOR.
J. CAP AND ABANDON EXISTING CONDUIT.
K. USE EXISTING HANDHOLE.
L. USE EXISTING CONDUIT.
M. REMOVE EXISTING HANDHOLE.
N. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
O. REMOVE EXISTING AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
P. INSTALL NEW TRAFFIC SIGNAL HEADS AND REMOVE TRAFFIC SIGNAL HEADS AND SIGN ON SPAN WIRE AS NOTED.
Q. USE EXISTING STRAIN POLE.
R. REMOVE EXISTING ON SPAN WIRE AS NOTED.

**SPECIAL NOTES:**

1. DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. A SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL COORDINATE WITH BGE REPRESENTATIVE WHEN UPGRADING CONTROL AND DISTRIBUTION EQUIPMENT. A SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

| | |
|---|---|
| AERIAL CABLE | A |
| ELECTRICAL | E |
| TELEPHONE | T |
| GAS | G |
| SEWER | SS |
| STORM DRAIN | SD |
| WATER | W |
| CABLE TV | TV |

WR&A
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Baltimore, Maryland 21231
(410) 235-3450

| REVISIONS | |
|---|---|
| C CHANGED SHAWAN ROAD TO SPLIT PHASING SHA NO. BA704487 — NML | 1-14-02 |
| B ADDED E & WB EP'S FLASHERS AND POLES — DW | 7-20-90 |
| A RELOCATE E. SIDE POLES AND ADD TWO WB LOOPS — DW | 2-3-89 |

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. 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
TRAFFIC SIGNALIZATION PLAN
MD 45 (YORK ROAD) AND SHAWAN ROAD

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | W.R. SMITH | F.A.P. NO. | | TS NO. TS-3007C | SHEET NO. ___ OF ___ |
| CHECKED BY: | D.W. | S.H.A. NO. | | | |
| SCALE: | 1" = 20' | COUNTY: | BALTIMORE | T.I.M.S. NO. E517 | |
| DATE: | 3/5/02 | LOG MILE: | D2004509.21 | | |