FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

SIGNALS

1,4 — 12"/8"; 2,5 — 12"; 3, 6-8 — 12"

SIGNS

9,10 — R 10-12, 36" x 42" (LEFT TURN YIELD ON GREEN)

11 — R 3-5(R), 30" x 36" (ONLY)

14 — D 3-2, 16" x Var. (York Road)

12,13 — Temporary Sign W 3-3, 36" x 36" (NEW)

MD 45 is considered to run in a North/South direction.

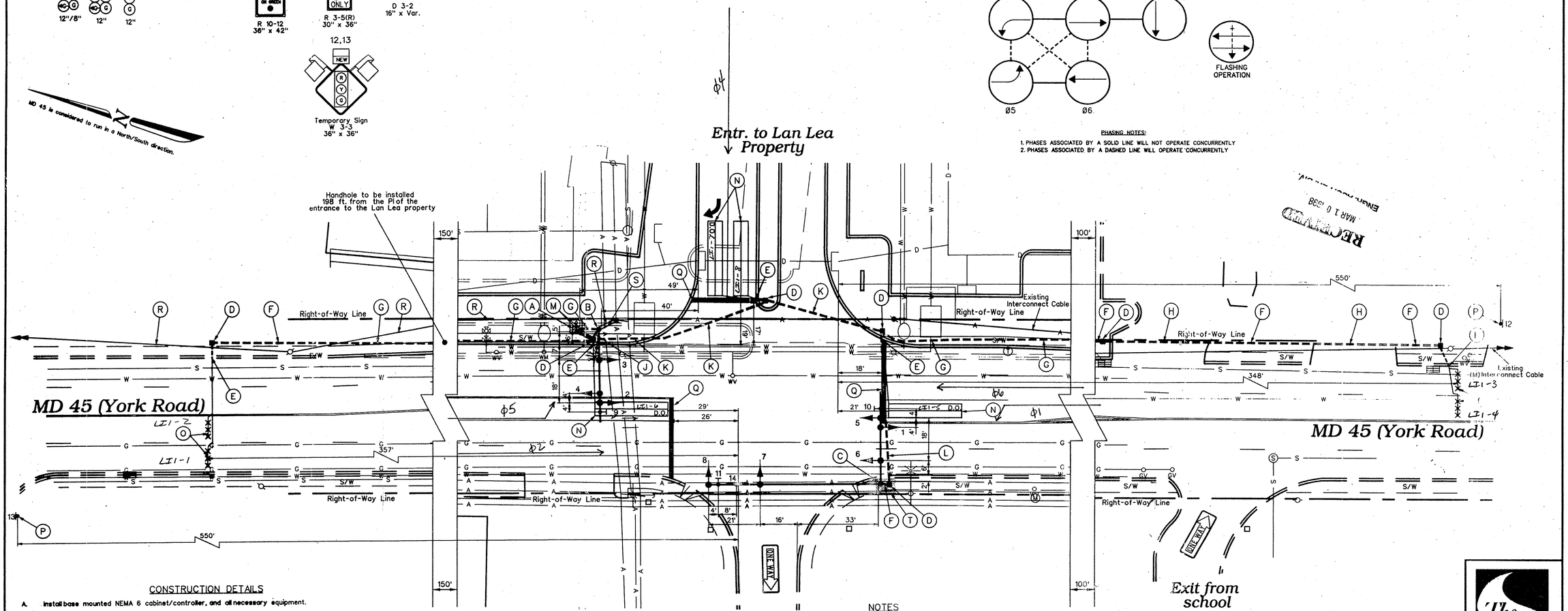
NEMA PHASING

Ø1 Ø2 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



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and all necessary equipment.

B. Install 27 ft. steel mast arm pole with 38 ft. mast arm, vehicle signal heads, sign, 10 ft. luminaire arm, 250 watt HPS luminaire, one 3 in. weatherhead for interconnect cables, and all necessary equipment for an overhead electrical (Type B-8) service (Note: one 2 in. PVC conduit bend and one 3 in. PVC conduit bend).

C. Install 23 ft. steel twin mast arm pole (cut from a 27 ft. pole) with one 40 ft. mast arm (cut from a 50 ft. mast arm), one 70 ft. mast arm, vehicle signal heads, and signs (Note: one 2 in. PVC conduit bend).

D. Install handhole.

E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.

F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.

H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - pushed.

J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.

L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.

N. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).

O. Install microloop probes (set of three).

P. Install ground mounted sign as shown.

Q. Install 24 in. wide pavement marking - white for stop line.

R. Pull back existing interconnect cable from the traffic signal at MD 45 @ Ridgely Ave. to the new cabinet/controller. Run a new 12 pair interconnect cable back to Ridgely Ave.

S. Proposed overhead electrical service by BG&E.

T. Area of concrete sidewalk to be removed and replaced for the installation of signal equipment (Minimum 4 ft. of unobstructed sidewalk to remain upon completion of construction).

NOTES

1. "D.O." indicates delay output loop detector.
2. Geometrics shall be confirmed prior to the installation of signal equipment.
3. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
4. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the highway contract.
5. All underground and overhead utilities shown on these plans 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.

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SIGPLAN.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

UTILITY LEGEND

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

REVISIONS

APPROVALS

ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION — 2/5/98

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 2/3/98

ASST. DISTRICT ENGINEER - TRAFFIC

DIRECTOR, OFFICE OF TRAFFIC & SAFETY — 2/5

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

DRAWN BY: Jamie Storck
DES. BY: Jamie Storck
CHK. BY: M. Rucker 2-3-98

(Traffic Signal Plan)
MD 45 (York Rd.) at Entrance to Lan Lea/Lutherville ES

COUNTY: BALTIMORE — LOG MILE: 030045 04.22

DATE: January 19, 1998 — F.A.P. NO. N/A
SCALE: 1" = 20' — S.H.A. NO. BW996M82

TS/STD. NO. 3778

SHEET NO. 1 of 2