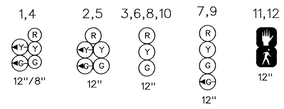
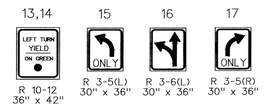
FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

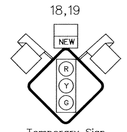
SIGNALS



SIGNS

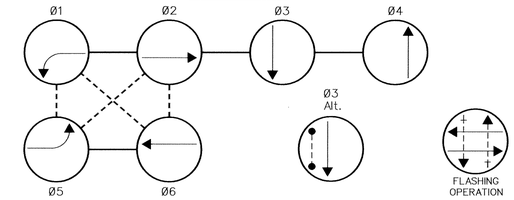


R 10-3c
9" x 12"
(To Be Installed With Pushbutton)



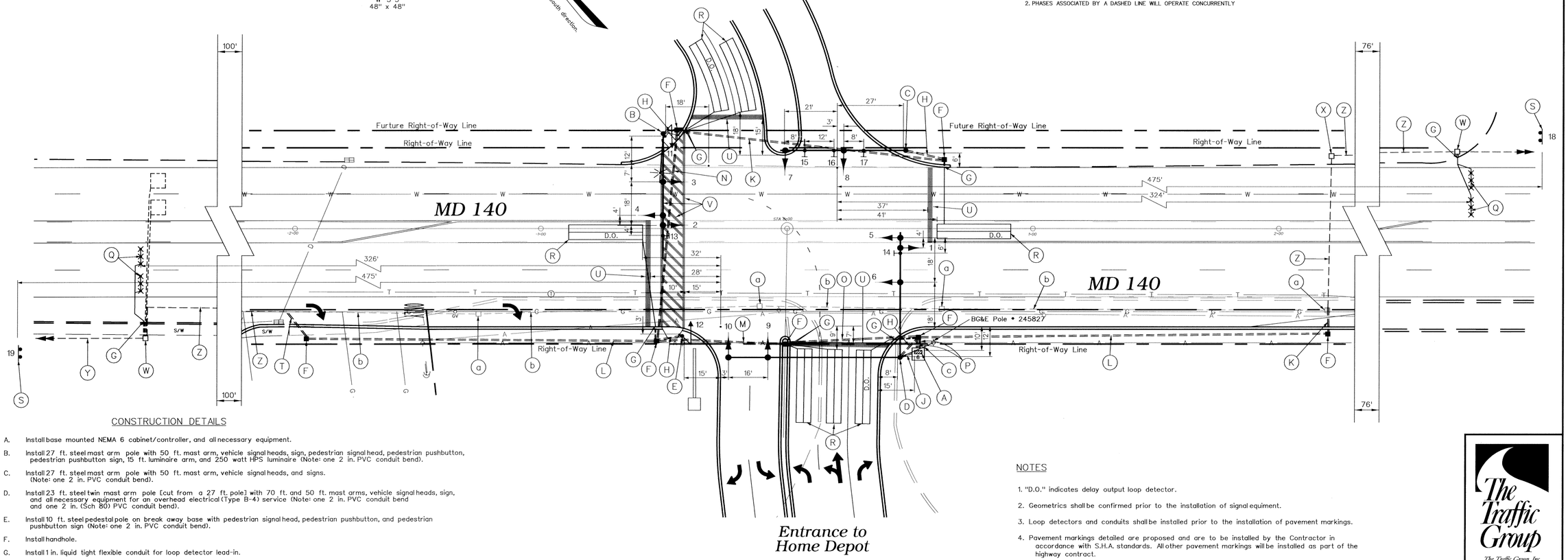
Temporary Sign
W 3-3
48" x 48"

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



CONSTRUCTION DETAILS

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

B. Install 27 ft. steel mast arm pole with 50 ft. mast arm, vehicle signal heads, sign, pedestrian signal head, pedestrian pushbutton, pedestrian pushbutton sign, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 2 in. PVC conduit bend).

C. Install 27 ft. steel mast arm pole with 50 ft. mast arm, vehicle signal heads, and signs. (Note: one 2 in. PVC conduit bend).

D. Install 23 ft. steel twin mast arm pole [cut from a 27 ft. pole] with 70 ft. and 50 ft. mast arms, vehicle signal heads, sign, and all necessary equipment for an overhead electrical (Type B-4) service (Note: one 2 in. PVC conduit bend and one 2 in. (Sch 80) PVC conduit bend).

E. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).

F. Install handhole.

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

H. Install 2 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched.

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

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

L. Install 3 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched.

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

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

O. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - pushed.

P. Install 4 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched.

Q. Install microloop probes (set of 3).

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

S. Install ground mounted sign as shown.

T. Extend existing conduit with 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

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

V. Install 12 in. wide pavement marking - white for crosswalk.

W. Use existing handhole.

X. Use existing handhole. Pull back existing interconnect cable. Rerun in new conduit to new controller.

Y. Use existing conduit. Run new interconnect cable to existing controller.

Z. Use existing conduit.

a. Remove existing handhole.

b. Cap and abandon existing conduit.

c. Proposed overhead electrical service by BGE.

NOTES

1. "D.O." indicates delay output loop detector.
2. Geometrics shall be confirmed prior to the installation of signal equiment.
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 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.

The Traffic Group

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Job. No. 970302
SIGPLAN.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

UTILITY LEGEND

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

REVISIONS

APPROVALS

12/17/97 — ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

12/17/97 — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER - TRAFFIC

12/22/97 — DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

DRAWN BY: J. Dirndorfer/FJH
DES. BY: J. Dirndorfer
CHK. BY: 12-17-97

(Traffic Signal Plan)
MD 140 at Entrance to Home Depot/ Garrison Forest School Entrance

COUNTY: BALTIMORE — LOG MILE • 03014004.58

DATE: October 24, 1997 — F.A.P. NO. N/A
SCALE: 1" = 20' — S.H.A. NO.

TS/STD. NO. 3669

SHEET NO. 1 of 3