SIGNALS

1-6, 8,9 — 12"

7,22 — 8"

10-15, 20,21 — 12"

SIGNS

16 — R 3-2 (Mod.) 30" x 42"

19 — R 3-5(L) 30" x 36"

17a — Seven Mile LN

18a — Colonial RD

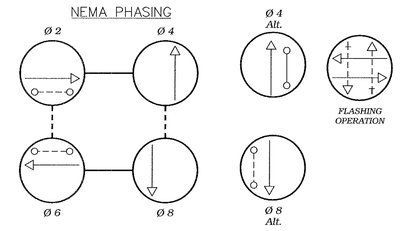
17b — Seven Mile LN — D-3(1) 16" x Var. (Dual Faced)

18b — Colonial RD — D-3(1) 16" x Var. (Dual Faced)

R 10-4(1) 9" x 12" (To Be Installed With Pushbutton)

MD 140 is considered to run in a North-South direction.

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 (use existing controller) and all necessary equipment.

B. Install 21 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, sign, pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign as shown (Note: one 3 in. PVC conduit bend).

C. Install 21 ft. steel twin mast arm pole with a 40 ft. mast arm [cut from a 50 ft.] and a 50 ft. mast arm, vehicle signal heads, sign, pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign as shown (Note: one 3 in. PVC conduit bend).

D. Install 21 ft. steel mast arm pole with a 40 ft. mast arm [cut from a 50 ft.], vehicle signal heads, sign, pedestrian signal heads, pedestrian pushbutton, pedestrian pushbutton sign, and all necessary equipment for an overhead MD-SHA (Type B-7) electrical service as shown (Note: one 3 in. and one 2 in. PVC conduit bend).

E. Install 10 ft. steel pedestal pole on break away base with pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign as shown (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 80] electrical conduit - trenched.

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

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

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

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

N. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

O. Install microloop probe

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

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

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

S. Remove existing splice box.

T. Remove existing signal pole and all attached equipment.

U. Remove existing pedestal pole and all attached equipment.

V. Remove existing base mounted cabinet.

W. Cap and abandon existing conduit.

X. Proposed overhead electrical service by BGE.

Y. Remove existing riser utilized for interconnect cable.

★ Crosswalks are to be installed in line with the Handicap ramps as directed by the Project Engineer.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment shall be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings and final course of paving.
3. 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.
4. 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.
5. Contractor shall hand excavate for each new foundation until all utilities have been adequately cleared.
6. Original signal, design, and construction by Baltimore County.
7. Signal Contractor to excavate sidewalk as necessary to remove/install traffic signal equipment. Upon completion of Traffic Signal work the Signal Contractor is to backfill the excavated areas with a MD-SHA approved material. The restoration of the sidewalk areas is to be completed by others.

The Traffic Group

The Traffic Group, Inc.
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Job. No. 970727-026
SIG9.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

UTILITY LEGEND

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

REVISIONS

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION — 12/7/99

ASST. DISTRICT ENGINEER - TRAFFIC — 12.7.99

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 12.7.99

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 140 at Seven Mile Lane/ Colonial Road

DATE: December 2, 1999 — LOG MILE • 03014000.09

DRAWN BY: JJD/FJH	F.A.P. NO.	SEE TITLE SHEET	PLAN SHEET NO.:	SHEET NO.
CHK. BY:	S.H.A. NO.	BA3035183	3020B	17 of 21
SCALE: 1" = 20'	COUNTY:	Baltimore		

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