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

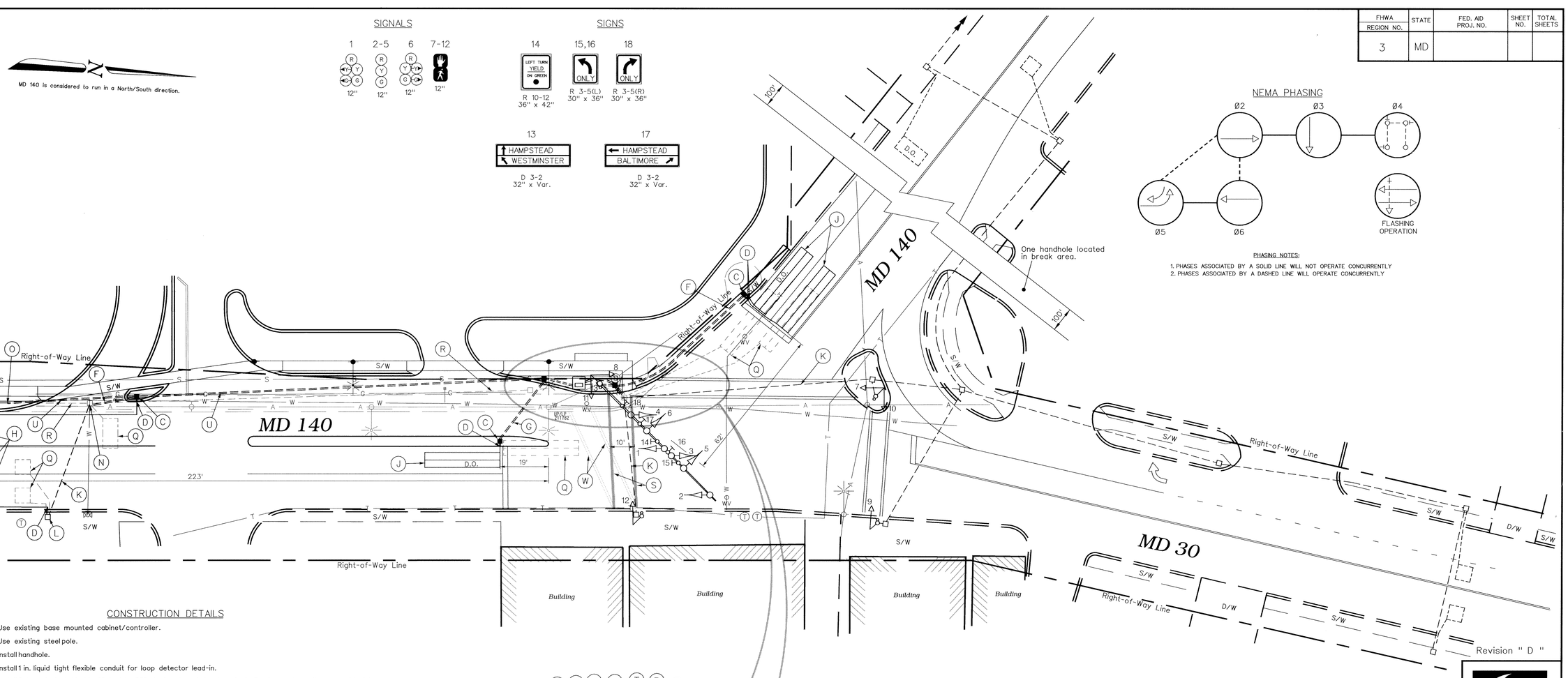
MD 140 is considered to run in a North/South direction.

SIGNALS

1 — 12"
2-5 — 12"
6 — 12"
7-12 — 12"

SIGNS

14 — R 10-12, 36" x 42"
15,16 — R 3-5(L), 30" x 36"
18 — R 3-5(R), 30" x 36"
13 — D 3-2, 32" x Var.
17 — D 3-2, 32" x Var.



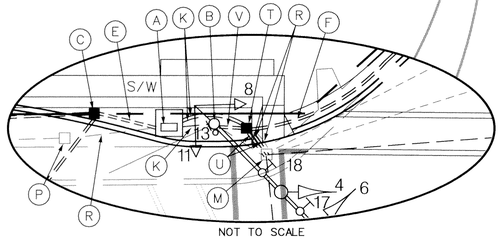
NEMA PHASING

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. Use existing base mounted cabinet/controller.
B. Use existing steel pole.
C. Install handhole.
D. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
E. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched. Tie to existing elbow in cabinet base.
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
H. Install micro-loop probes (set of 3).
J. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
K. Use existing conduit.
L. Use existing handhole.
M. Pull back all existing cables. Tie a new piece of 3 in. conduit to each existing conduit with a 30° elbow. Remove existing handhole. Rerun cables in new conduit.
N. Tie a 2 in. piece of conduit to the existing conduit with a 30° elbow. Remove existing handhole.
O. Pull back existing interconnect cable. Tie new conduit to existing conduit. Rerun to cabinet in new conduit.
P. Remove existing handhole.
Q. Disconnect existing loop detector.
R. Cap and abondon existing conduit.
S. Install 12 in wide pavement marking - white for crosswalk.
T. Install handhole on existing conduit run.
U. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
V. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched. Tie to existing elbow in pole base.
W. Remove existing pavement markings by grinding.



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. Revision 'D' is a revision to the traffic signal built in October, 1995 under S.H.A. Contract No.: B-333X-000-485.
6. 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.

The Traffic Group

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SIGPLAN.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

REVISIONS

D November 24, 1997
Modify for new geometrics.
S.H.A. No.-BW996M82
jjd

APPROVALS

ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER - TRAFFIC
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

DRAWN BY: W. Miller
DES. BY: R. Bitt
CHK. BY: A. Budnichuck

(Traffic Signal Plan)

MD 140 at MD 30

COUNTY: BALTIMORE
LOG MILE • 03003000.00

DATE: October 20, 1997
SCALE: 1" = 20'
F.A.P. NO. N/A
S.H.A. NO. B-333X-000-485
TS/STD. NO. 435D
SHEET NO. 1 of 2