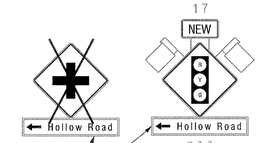
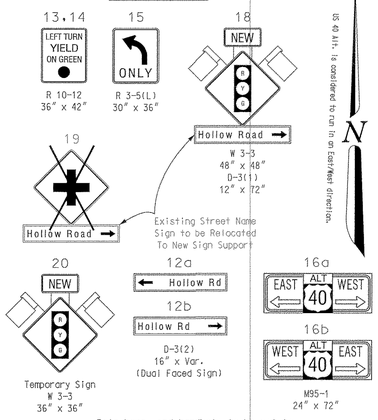
EXISTING SIGN
To Be Replaced

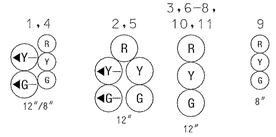


PROPOSED SIGNS

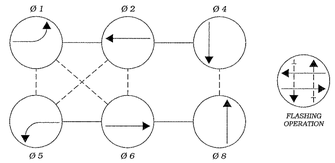


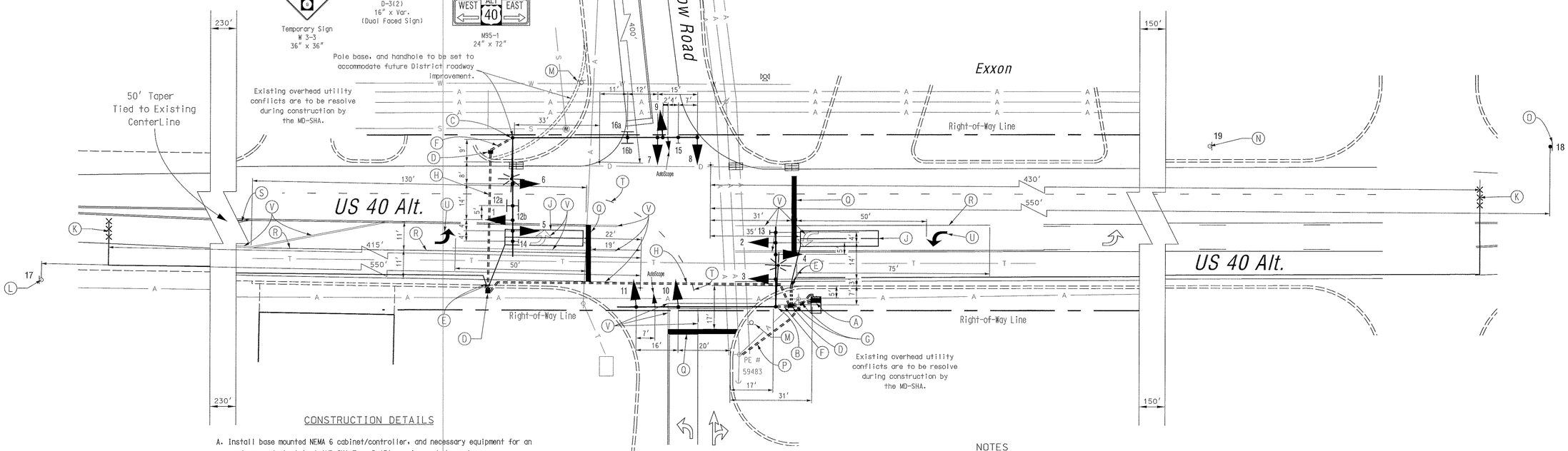
US 40 Alt. is considered to run in an East/West direction.

PROPOSED SIGNALS



PROPOSED NEMA PHASING





CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground electrical (MD-SHA Type B-13) service and phone drop.
B. Install 27 ft. steel twin mast arm pole with a 30 ft. [cut from a 50 ft.] and a 60 ft. mast arm, signal heads, signs, AutoScope, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel twin mast arm pole with a 45 ft. [cut from a 50 ft.] and a 70 ft. mast arm, signal heads, signs, AutoScope, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend). Minimum 10 ft. of foundation below grade.
D. Install handhole.
E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
J. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
K. Install micro-loop probes (set of 3).
L. Replace existing ground mounted sign as shown.
M. Remove existing STOP sign after signal is placed into a flashing operation.
N. Remove/relocate existing sign as shown.
O. Install ground mounted sign as shown.
P. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched for proposed overhead electrical service by Allegheny Power Company.
Q. Install 24 in. wide pavement marking - white for stop line.
R. Install 5 in. wide solid pavement marking - white for lane line.
S. Install 5 in. wide solid pavement marking - yellow for center line.
T. Install 5 in. wide broken pavement marking (3' line - 9' gap) - white.
U. Install pavement marking symbol - white "LEFT" arrow.
V. Remove existing pavement marking by grinding.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
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 are to be considered as existing..
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.

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

The Traffic Group
The Traffic Group, Inc.
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Fax 410-321-8458

REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 8/4/2000
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 8/4/00
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 8/4/00
DIRECTOR, TRAFFIC & SAFETY 8/4/00

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

US 40 Alt. at Hollow Road

DRAWN BY:	J. Dirndorfer	F.A.P. NO.	N/A	TS NO. 4018	SHEET NO.
CHECKED BY:		S.H.A. NO.	FR 360 A5E B5E		
SCALE:	1" = 20'	COUNTY:	Frederick	T.I.M.S. NO. E-036	1 OF 2
DATE:	August 4, 2000	LOG MILE:	10040A06.68		

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