SIGNALS

1,2,5,10,11 — 12"
3,4,6-9,12,13, 16,19-23,26,27 — 12"
14,17 — 12"/8"
15,18 — 12"
24,25 — 12"
28,29 — 12"
43 — OPTICOM DETECTOR

SIGNS

32,33,36, 38,40,44 — R 3-5(L) 30" x 36"
37 — R 10-11b 30" x 30"
39,41 — R 3-6(L) 30" x 36"
45 — M 95-1 72" x 24"
30,31 — D 3-2 16" x Var. (Dual Faced)
35 — R 3-3b 30" x 30"
46 — R 3-5(R) 30" x 36"
34
42 — R 10-56C 60" x 36"

Note:

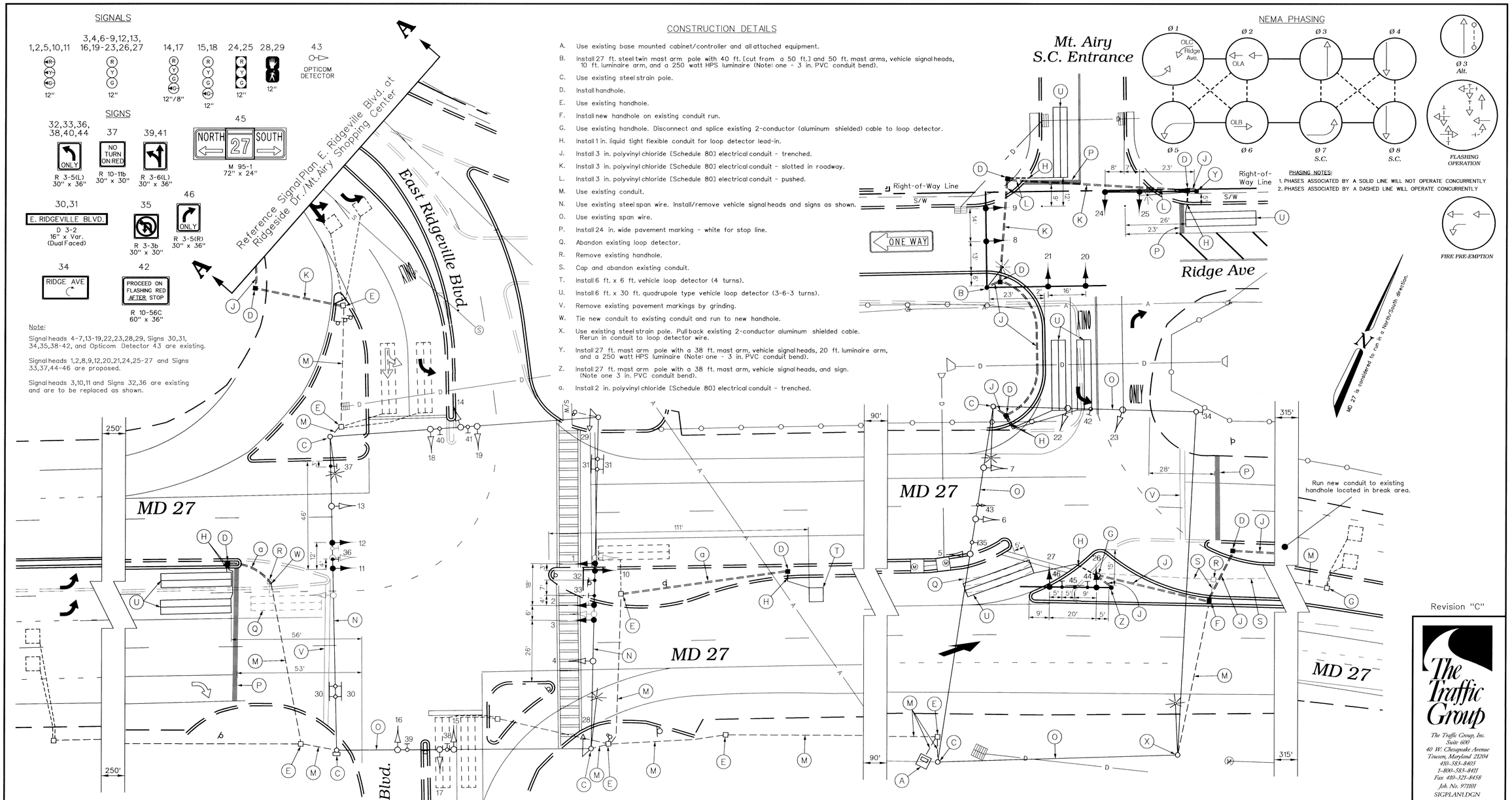
Signal heads 4-7,13-19,22,23,28,29, Signs 30,31, 34,35,38-42, and Opticom Detector 43 are existing.

Signal heads 1,2,8,9,12,20,21,24,25-27 and Signs 33,37,44-46 are proposed.

Signal heads 3,10,11 and Signs 32,36 are existing and are to be replaced as shown.

CONSTRUCTION DETAILS

A. Use existing base mounted cabinet/controller and all attached equipment.
B. Install 27 ft. steel twin mast arm pole with 40 ft. [cut from a 50 ft.] and 50 ft. mast arms, vehicle signal heads, 10 ft. luminaire arm, and a 250 watt HPS luminaire (Note: one - 3 in. PVC conduit bend).
C. Use existing steel strain pole.
D. Install handhole.
E. Use existing handhole.
F. Install new handhole on existing conduit run.
G. Use existing handhole. Disconnect and splice existing 2-conductor (aluminum shielded) cable to loop detector.
H. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - pushed.
M. Use existing conduit.
N. Use existing steel span wire. Install/remove vehicle signal heads and signs as shown.
O. Use existing span wire.
P. Install 24 in. wide pavement marking - white for stop line.
Q. Abandon existing loop detector.
R. Remove existing handhole.
S. Cap and abandon existing conduit.
T. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
U. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
V. Remove existing pavement markings by grinding.
W. Tie new conduit to existing conduit and run to new handhole.
X. Use existing steel strain pole. Pull back existing 2-conductor aluminum shielded cable. Rerun in conduit to loop detector wire.
Y. Install 27 ft. mast arm pole with a 38 ft. mast arm, vehicle signal heads, 20 ft. luminaire arm, and a 250 watt HPS luminaire (Note: one - 3 in. PVC conduit bend).
Z. Install 27 ft. mast arm pole with a 38 ft. mast arm, vehicle signal heads, and sign. (Note one 3 in. PVC conduit bend).
a. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.



Revision "C"

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1-800-583-8411
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Job. No. 971101
SIGPLAN1.DGN

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment.
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 will be installed as part of the highway contract or are 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 — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
D — STORM DRAIN
A — AERIAL CABLES
T — TELEPHONE CABLES

REVISIONS

© April 23, 1999
Modify Traffic Signal for New Geometrics.
S.H.A. No.: BW996M82
JES

APPROVALS

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

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

MD 27 at E. Ridgeville Blvd./Ridge Ave. and Mt. Airy Shopping Center Entr.

DATE: Nov 17, 1988
LOG MILE • 06002700.80

DRAWN BY:	G. Simmers	F.A.P. NO.	N/A	PLAN SHEET NO.:	SHEET NO.
CHK. BY:	M. Rucker	S.H.A. NO.	CL-721-501-776	2487C & 2488C	3 of 4
SCALE:	1" = 20'	COUNTY:	CARROLL		