PROPOSED SIGNS

11, 14 — LEFT TURN YIELD ON GREEN
R 10-12, 36" x 42"

13, 16, 19 — ONLY
R 3-5(R), 30" x 36"

12b — Eagle Ridge CT →
12a — ← Eagle Ridge CT
D3-(1), 16" x Var. (Dual Faced)

15b — Brodbeck RD →
15a — ← Brodbeck RD
D3-(1), 16" x Var. (Dual Faced)

20, 21 — NEW
Temporary Sign W 3-3, 48" x 48"

22, 23 — NEW
Temporary Sign W 3-3, 36" x 36"

17 — SOUTH 30 NORTH
M95-1, 24" x 72"

18 — NORTH 30 SOUTH
M95-1, 24" x 72"

24, 25
R 4-7, 18" x 24" @ 15°

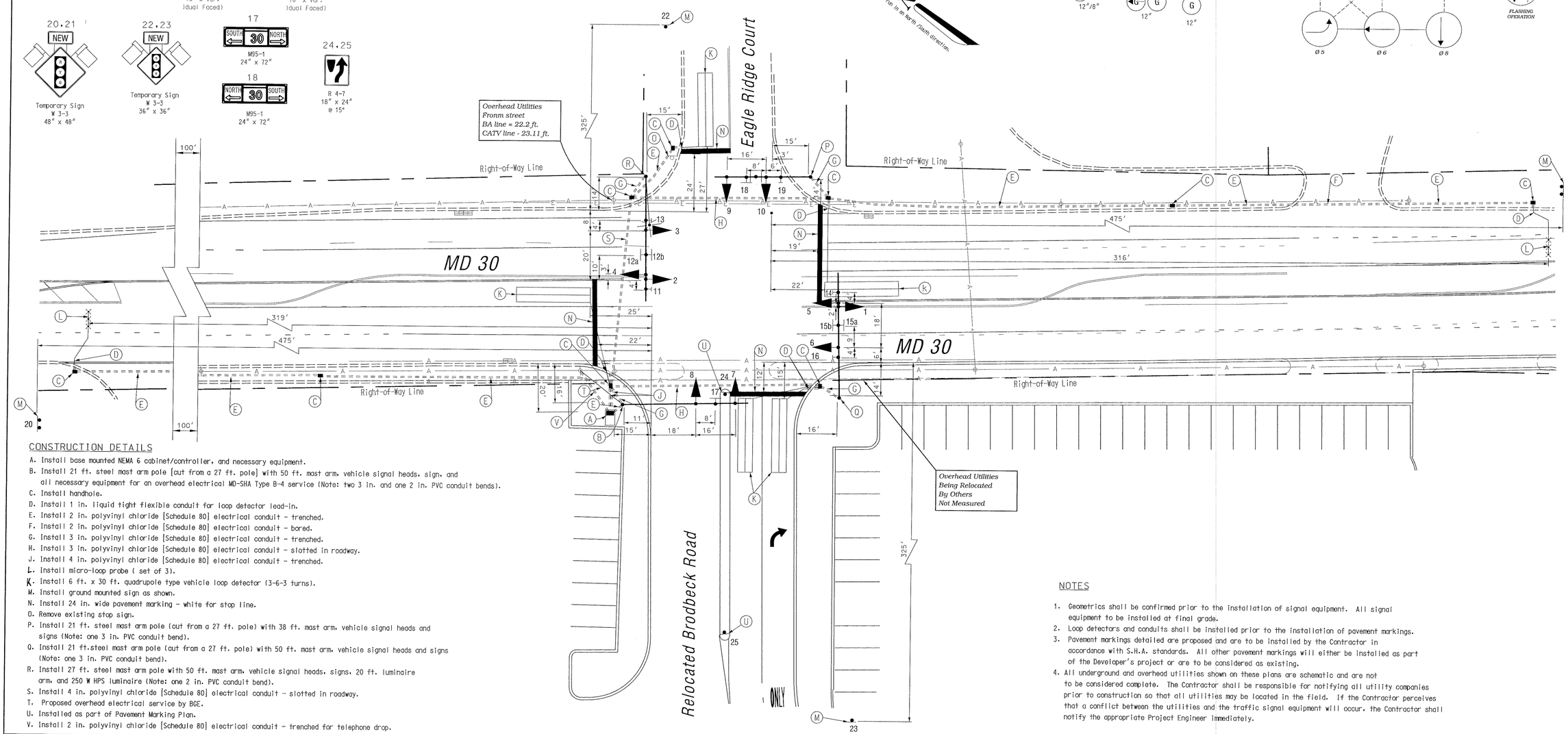
PROPOSED SIGNALS

1, 4 — R Y G, 12"/8"
2, 5 — R Y G, 12"
3, 6-10 — R Y G, 12"

PROPOSED NEMA PHASING

Ø1 Ø2 Ø4
Ø5 Ø6 Ø8

FLASHING OPERATION



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment.
B. Install 21 ft. steel mast arm pole [cut from a 27 ft. pole] with 50 ft. mast arm, vehicle signal heads, sign, and all necessary equipment for an overhead electrical MD-SHA Type B-4 service (Note: two 3 in. and one 2 in. PVC conduit bends).
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.
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
L. Install micro-loop probe (set of 3).
K. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
M. Install ground mounted sign as shown.
N. Install 24 in. wide pavement marking - white for stop line.
O. Remove existing stop sign.
P. Install 21 ft. steel mast arm pole (cut from a 27 ft. pole) with 38 ft. mast arm, vehicle signal heads and signs (Note: one 3 in. PVC conduit bend).
Q. Install 21 ft.steel mast arm pole (cut from a 27 ft. pole) with 50 ft. mast arm, vehicle signal heads and signs (Note: one 3 in. PVC conduit bend).
R. Install 27 ft. steel mast arm pole with 50 ft. mast arm, vehicle signal heads, signs, 20 ft. luminaire arm, and 250 W HPS luminaire (Note: one 2 in. PVC conduit bend).
S. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
T. Proposed overhead electrical service by BGE.
U. Installed as part of Pavement Marking Plan.
V. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched for telephone drop.

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 will either be installed as part of the Developer's project or 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.
410-931-6600
Fax 410-931-6601

REVISIONS

APPROVALS

4-3-00
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

4/3/00
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

4/3/00
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

4/5/00
DIRECTOR, TRAFFIC & SAFETY

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

MD 30 at Eagle Ridge Ct./Relocated Brodbeck Road

DRAWN BY:	Frank Haeckel	F.A.P. NO.	N/A	TS NO. 3989	SHEET NO.
CHECKED BY:	Ken Windsor	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	Carroll	T.I.M.S. NO. D720	1 OF 4
DATE:	March 28, 2000	LOG MILE:	06003004.53		

\\38072\4\vision dgn 30 MAR 2000