EXISTING SIGNS

14 — R 3-5(L) 30" x 36"

16 — Shield Assem. 30" x 51"

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

EXISTING SIGN (To Be Relocated)

20 — Shield Assem. 48" x 75"

PROPOSED SIGNS

15 — R 3-8(T) 72" x 36"

17,18 — R 3-5(L) 30" x 36"

19 — R 3-5(Mod) 30" x 36"

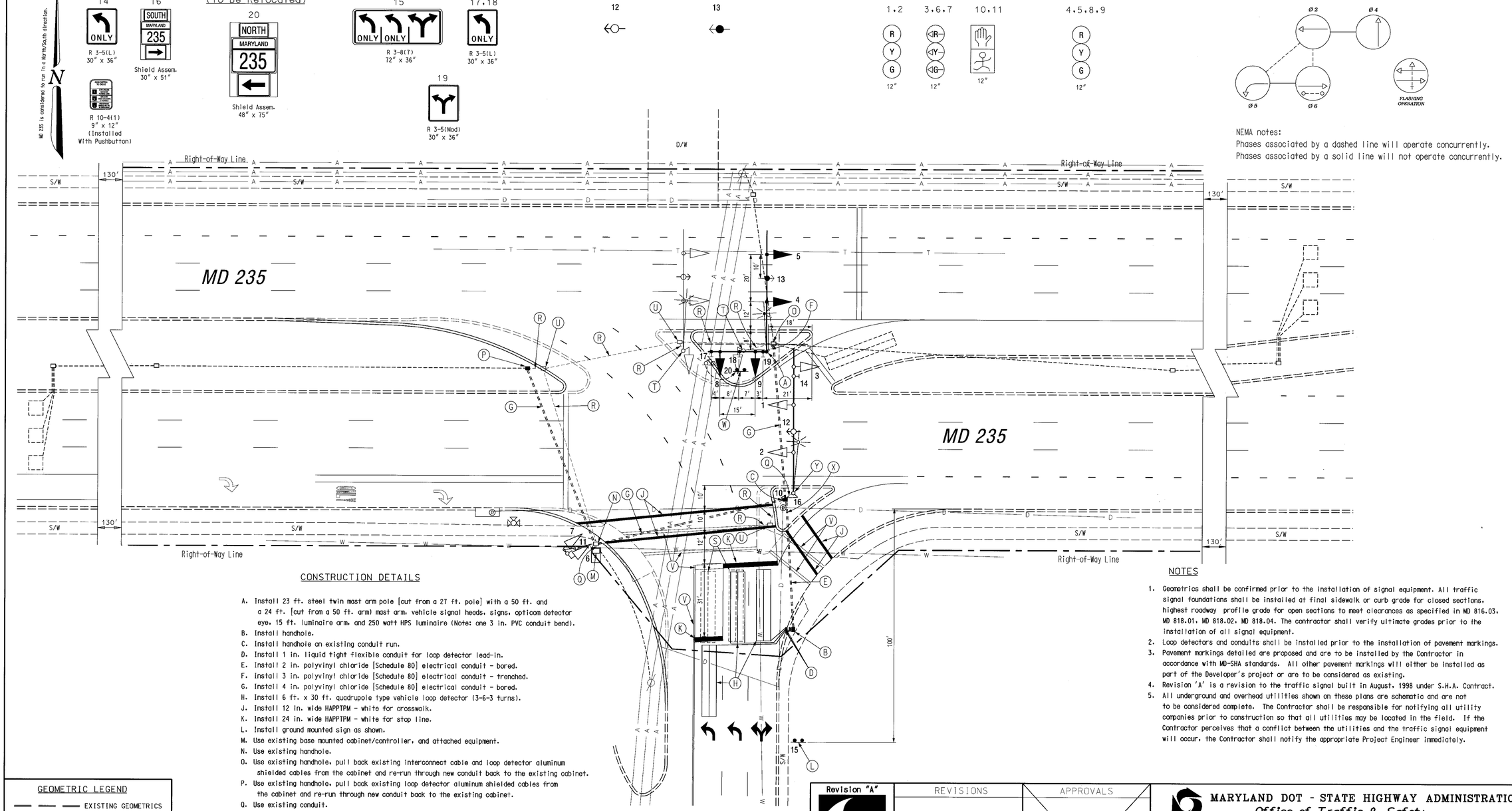
EXISTING OPTICOM — 12

PROPOSED OPTICOM — 13

EXISTING SIGNALS — 1,2 / 3,6,7 / 10,11

PROPOSED SIGNALS — 4,5,8,9

EXISTING NEMA PHASING



NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

CONSTRUCTION DETAILS

A. Install 23 ft. steel twin mast arm pole [cut from a 27 ft. pole] with a 50 ft. and a 24 ft. [cut from a 50 ft. arm] mast arm, vehicle signal heads, signs, opticom detector eye, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
B. Install handhole.
C. Install handhole on existing conduit run.
D. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
E. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
H. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
J. Install 12 in. wide HAPPTPM - white for crosswalk.
K. Install 24 in. wide HAPPTPM - white for stop line.
L. Install ground mounted sign as shown.
M. Use existing base mounted cabinet/controller, and attached equipment.
N. Use existing handhole.
O. Use existing handhole, pull back existing interconnect cable and loop detector aluminum shielded cables from the cabinet and re-run through new conduit back to the existing cabinet.
P. Use existing handhole, pull back existing loop detector aluminum shielded cables from the cabinet and re-run through new conduit back to the existing cabinet.
Q. Use existing conduit.
R. Cap and abandon existing conduit.
S. Disconnect existing loop detector.
T. Remove existing steel pole and all attached equipment.
U. Remove existing handhole.
V. Remove existing pavement marking by grinding.
W. Relocate existing ground mounted sign.
X. Remove/Replace brick paver sidewalk.
Y. Use existing steel pole and all attached equipment. Re-wire all existing signal heads and opticom detector eye.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all 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 MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'A' is a revision to the traffic signal built in August, 1998 under S.H.A. Contract.
5. 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

Revision "A"

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

A — September 28, 2004 — Re-construct for tripple left turn.
S.H.A. No.: FM3934M3

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 235 at Wal-Mart Entr.

DRAWN BY:	PS/RLB	F.A.P. NO.	N/A	TS NO. 3842A	SHEET NO.
CHECKED BY:	PS/RLB	S.H.A. NO.	N/A		
SCALE:	1" = 20'	COUNTY:	St. Mary's	T.I.M.S. NO. G-621	1 OF 2
DATE:	August, 1998	LOG MILE:	18023515.58		

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