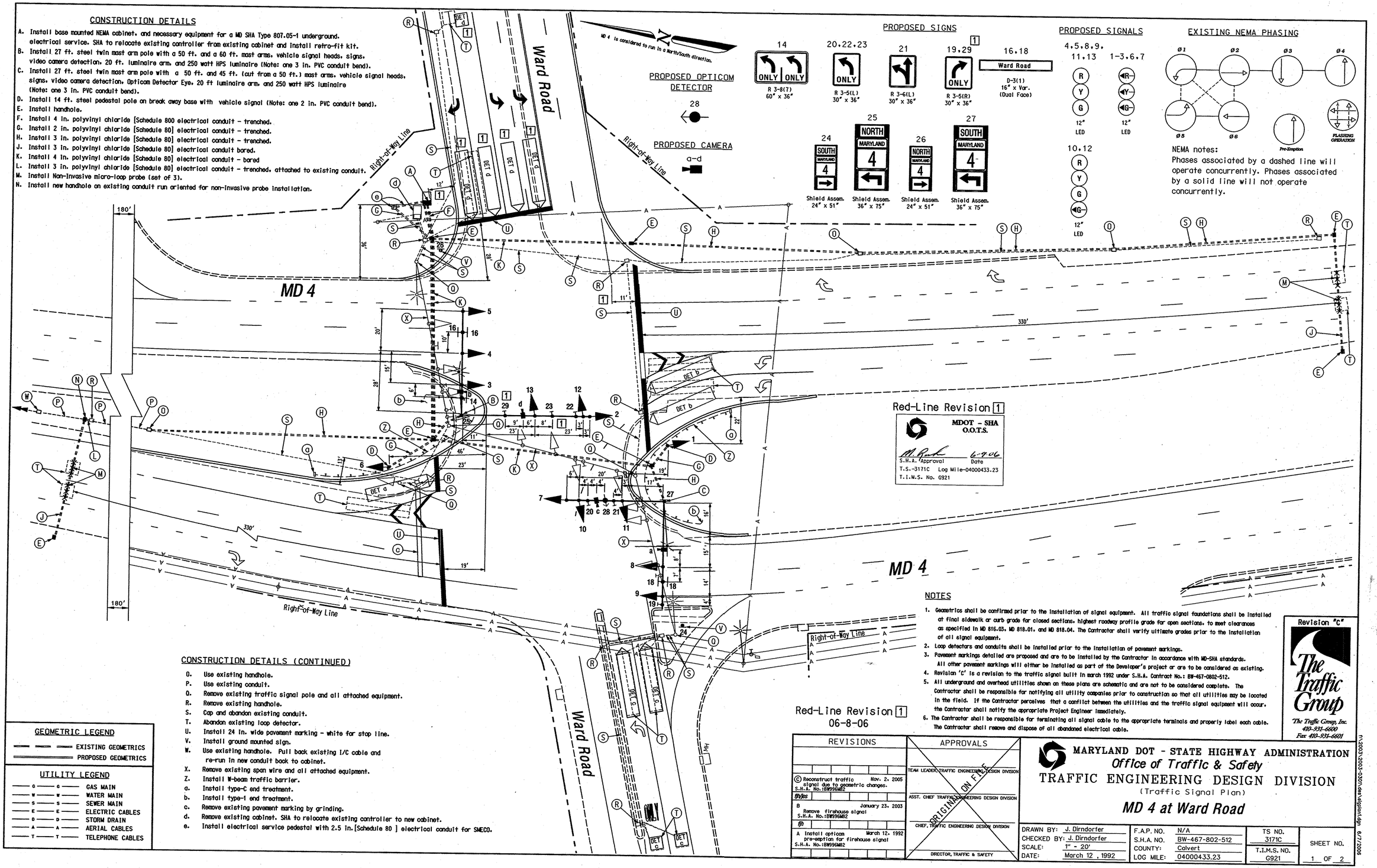
CONSTRUCTION DETAILS

A. Install base mounted NEMA cabinet, and necessary equipment for a MD SHA Type 807.05-1 underground. electrical service. SHA to relocate existing controller from existing cabinet and install retro-fit kit.
B. Install 27 ft. steel twin mast arm pole with a 50 ft. and a 60 ft. mast arms, vehicle signal heads, signs, video camera detection, 20 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 50 ft. and 45 ft. (cut from a 50 ft.) mast arms, vehicle signal heads, signs, video camera detection, Opticom Detector Eye, 20 ft luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 14 ft. steel pedestal pole on break away base with vehicle signal (Note: one 2 in. PVC conduit bend).
E. Install handhole.
F. Install 4 in. polyvinyl chloride [Schedule 800 electrical conduit - trenched.
G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit bored.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched, attached to existing conduit.
M. Install Non-Invasive micro-loop probe (set of 3).
N. Install new handhole on existing conduit run oriented for non-invasive probe installation.



CONSTRUCTION DETAILS (CONTINUED)

O. Use existing handhole.
P. Use existing conduit.
Q. Remove existing traffic signal pole and all attached equipment.
R. Remove existing handhole.
S. Cap and abandon existing conduit.
T. Abandon existing loop detector.
U. Install 24 in. wide pavement marking - white for stop line.
V. Install ground mounted sign.
W. Use existing handhole. Pull back existing I/C cable and re-run in new conduit back to cabinet.
X. Remove existing span wire and all attached equipment.
Z. Install W-beam traffic barrier.
a. Install type-C end treatment.
b. Install type-1 end treatment.
c. Remove existing pavement marking by grinding.
d. Remove existing cabinet. SHA to relocate existing controller to new cabinet.
e. Install electrical service pedestal with 2.5 in. [Schedule 80] electrical conduit for SMECO.

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, and 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 'C' is a revision to the traffic signal built in march 1992 under S.H.A. Contract No.: BW-467-0802-512.
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.
6. The Contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly label each cable. The Contractor shall remove and dispose of all abandoned electrical cable.

Revision "C"

The Traffic Group
The Traffic Group, Inc.
410-923-6600
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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

REVISIONS

C	Reconstruct traffic signal due to geometric changes. S.H.A. No.:BW996M82	Nov. 2, 2005
B	Remove firehouse signal S.H.A. No.:BW996M82	January 23, 2003
A	Install opticom pre-emption for firehouse signal S.H.A. No.:BW996M82	March 12, 1992

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 4 at Ward Road

DRAWN BY:	J. Dirndorfer	F.A.P. NO.	N/A	TS NO. 3171C	SHEET NO.
CHECKED BY:	J. Dirndorfer	S.H.A. NO.	BW-467-802-512		
SCALE:	1" - 20'	COUNTY:	Calvert	T.I.M.S. NO. G921	1 OF 2
DATE:	March 12 , 1992	LOG MILE:	04000433.23		

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