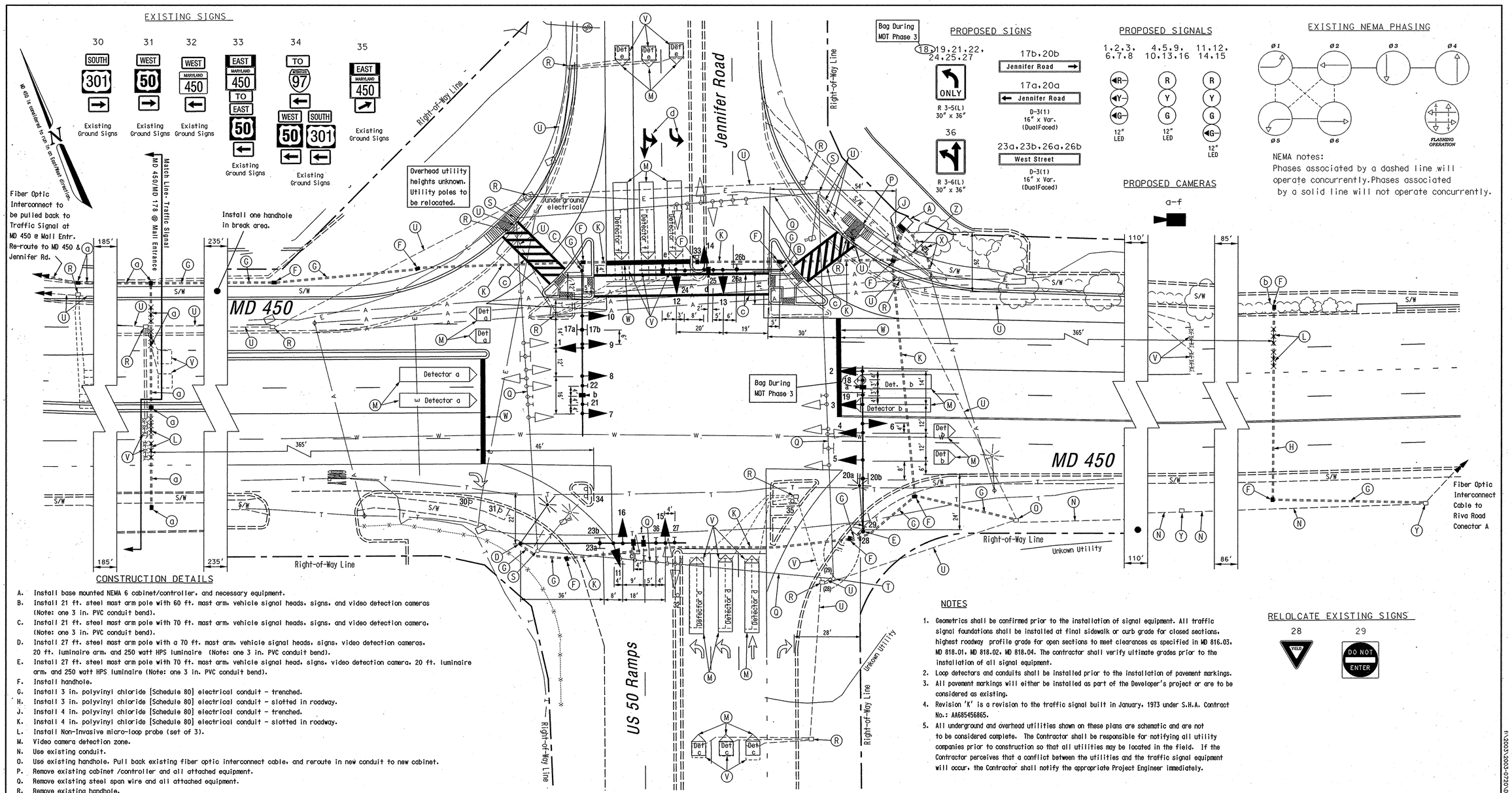

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment.
B. Install 21 ft. steel mast arm pole with 60 ft. mast arm, vehicle signal heads, signs, and video detection cameras (Note: one 3 in. PVC conduit bend).
C. Install 21 ft. steel mast arm pole with 70 ft. mast arm, vehicle signal heads, signs, and video detection camera, (Note: one 3 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, signs, video detection cameras, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
E. Install 27 ft. steel mast arm pole with 70 ft. mast arm, vehicle signal head, signs, video detection camera, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
F. Install handhole.
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.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
L. Install Non-Invasive micro-loop probe (set of 3).
M. Video camera detection zone.
N. Use existing conduit.
O. Use existing handhole. Pull back existing fiber optic interconnect cable, and reroute in new conduit to new cabinet.
P. Remove existing cabinet /controller and all attached equipment.
Q. Remove existing steel span wire and all attached equipment.
R. Remove existing handhole.
S. Remove existing steel strain pole and all attached equipment.
T. Remove existing steel strain pole. Relocate existing pole mounted signs to new mast arm pole as shown.
U. Cap and abandon existing conduit.
V. Abandon existing loop detector.
W. 24 in. wide pavement marking - white for stop line to be installed by others. See seperate Signing and Marking plans.
X. Install electrical service pedestal (200-amp) with 2 in. PVC conduit to cabinet and a 4 in. PVC conduit to utility pole for service with a pull string for electrical (type 807.05-1) underground service by BGE.
Y. Use existing handhole.
Z. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
a. Installed as part of traffic signal MD 450/MD 178 at Annapolis Mall Entrance.
b. Remove existing shrub.
c. 12 in. wide pavement marking - white for crosswalk to be installed by others. See seperate Signing and Marking plans.
d. Pavement marking symbol installed by others. See seperate Signing and Marking plans.

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. All pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'K' is a revision to the traffic signal built in January, 1973 under S.H.A. Contract No.: AA685456865.
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	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
D	STORM DRAIN
A	AERIAL CABLES
T	TELEPHONE CABLES

Revision "K"

The Traffic Group
The Traffic Group, Inc.
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REVISIONS

K Reconstruction of signal 5/23/06 due to geometric changes. S.H.A. No.:BW996M02
FINISHES FCB gdh mjc 8/22/01 7/13/01

1 E/P left turns to exclusive left turns SHA No. XX105885 — EMM — 8/22/01

J AS-BUILT and Systemization SHA No. XX105885 — EMM — 7/13/01

I Add new detector loops for WB US 50 — 10/20/91

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 450 and Jennifer Road/US 50 Ramps

DRAWN BY:	L. F. Clary	F.A.P. NO.	N/A	TS NO. 1050-K	SHEET NO. 16 OF 19
CHECKED BY:	S. Renzi	S.H.A. NO.	AA615456865		
SCALE:	1" = 20'	COUNTY:	Anne Arundel County	T.I.M.S. NO. H-575	
DATE:	12/29/73	LOG MILE:	02045009.45		

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