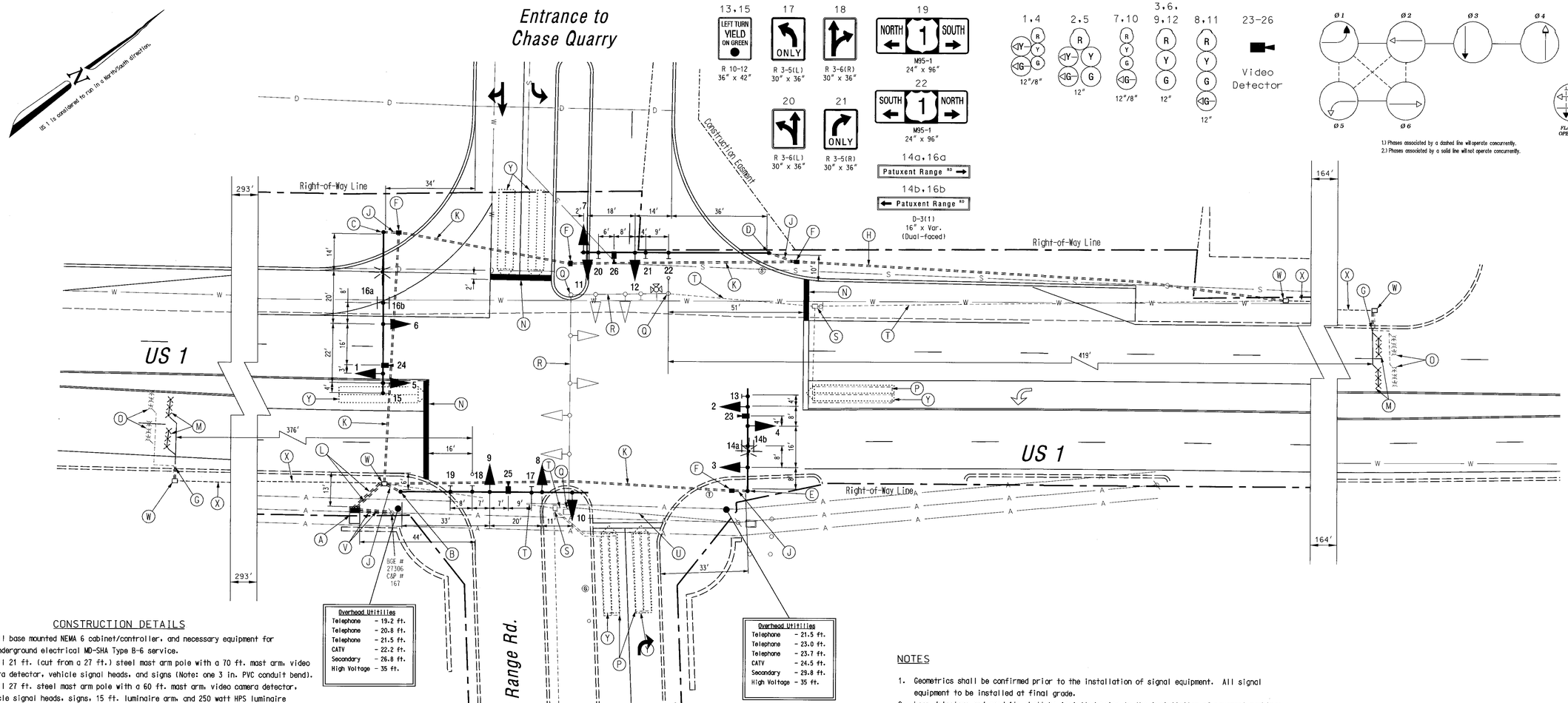

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground electrical MD-SHA Type B-G service.
B. Install 21 ft. (cut from a 27 ft.) steel mast arm pole with a 70 ft. mast arm, video camera detector, vehicle signal heads, and signs (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with a 60 ft. mast arm, video camera detector, vehicle signal heads, signs, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, video camera detector, vehicle signal heads, and signs (Note: one 3 in. PVC conduit bend).
E. Install 27 ft. steel mast arm pole with a 38 ft. mast arm, video camera detector, vehicle signal heads, signs, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
F. Install handhole.
G. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
H. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
M. Install micro-loop probe (set of 3).
N. Install 24 in. wide pavement marking - white for stop line.
O. Abandon existing micro-loop probe.
P. Abandon existing loop detector.
Q. Remove existing signal pole and all attached equipment.
R. Remove span wire and all attached equipment.
S. Remove handhole.
T. Cap and abandon existing conduit.
U. Existing electrical service to be removed by others.
V. Install 4 in. PVC [Schedule 80] electrical conduit for proposed electrical service (by BGE), and 2 in. PVC [Schedule 80] electrical conduit for proposed phone service (by Verizon).
W. Use existing handhole.
X. Use existing conduit.
Y. Proposed video detection zone.

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 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 'H' is a revision to the traffic signal built in November, 1989.
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 "H"

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

REVISIONS

(H) Rebuilt for new geometrics March 6, 2003
S.H.A. No.:BW996M82
rmd CGS DNB

APPROVALS

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
US 1 at Patuxent Range Rd.

DRAWN BY: DD	F.A.P. NO. N/A	TS NO. 22-H	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: Howard	T.I.M.S. NO. F242	1 OF 2
DATE: November, 1989	LOG MILE: 13000103.84		

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