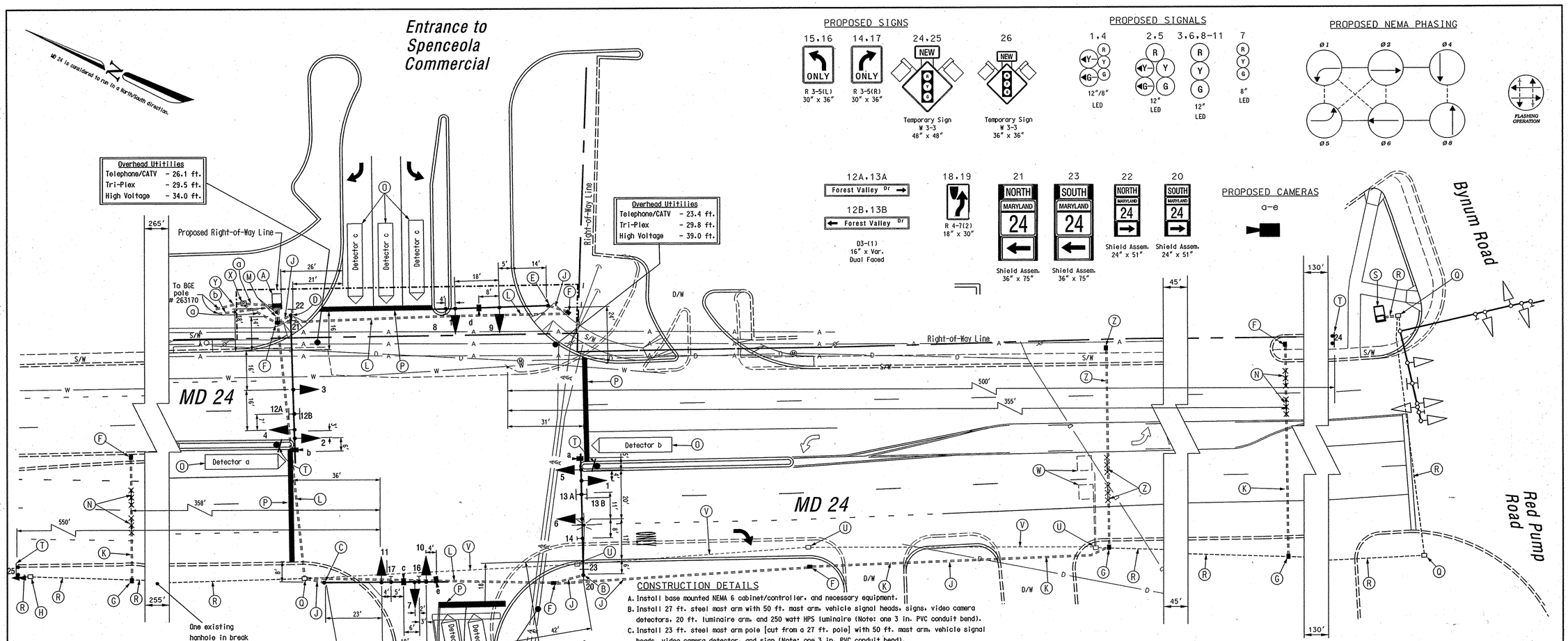

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment.
B. Install 27 ft. steel mast arm with 50 ft. mast arm, vehicle signal heads, signs, video camera detectors, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 23 ft. steel mast arm pole [cut from a 27 ft. pole] with 50 ft. mast arm, vehicle signal heads, video camera detector, and sign (Note: one 3 in. PVC conduit bend).
D. Install 23 ft. steel mast arm pole (cut from a 27 ft. pole) with a 60 ft. mast arm vehicle signal heads and signs (Note: one 3 in. PVC conduit bend).
E. Install 27 ft steel mast arm pole with 50 ft mast arm, vehicle signal heads,video camera detector, and sign (Note: one 3 in. PVC conduit bend).
F. Install handhole.
G. Install handhole on existing conduit run.
H. Use existing handhole. Pull back existing I/C cable from Bynum Road/Red Pump Road and reroute to new cabinet.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
M. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
N. Install non-invasive micro-loop probe (set of 3).
O. Video camera detection zone.
P. Install 24 in. wide pavement marking - white for stop line.
Q. Use existing handhole.
R. Use existing conduit.
S. Use existing cabinet.
T. Install ground mounted sign as shown.
U. Remove existing handhole.
V. Cap and abandon existing conduit
W. Abandon existing loop detector.
X. Install metered service pedestal for an underground electrical service per MD-SHA typical 807.05-01.
Y. Proposed 4 in. conduit for underground electric service by BGE.
Z. Installed as part of traffic signal MD 24 at Bynum Road/Red Pump Road.
a. Install 2 in polyvinyl chloride [Schedule 80] electrical conduit - trenched.
b. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit for telephone service - trenched.

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. 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

The Traffic Group
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REVISIONS

APPROVALS

10-6-06
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

10-10-06
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

10/11/06
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

10/12/06
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
MD 24 at Forest Valley Dr./ Entr. Spenceola Commercial

DRAWN BY:	Frank Hoeckel	F.A.P. NO.	N/A	~~TS~~ NO. 4513	SHEET NO. 1 OF 2
CHECKED BY:		S.H.A. NO.	BW996M82		
SCALE:	1" = 20'	COUNTY:	Harford	T.I.M.S. NO. 1031	
DATE:	Sept. 11, 2006	LOG MILE:	12024011.87		

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