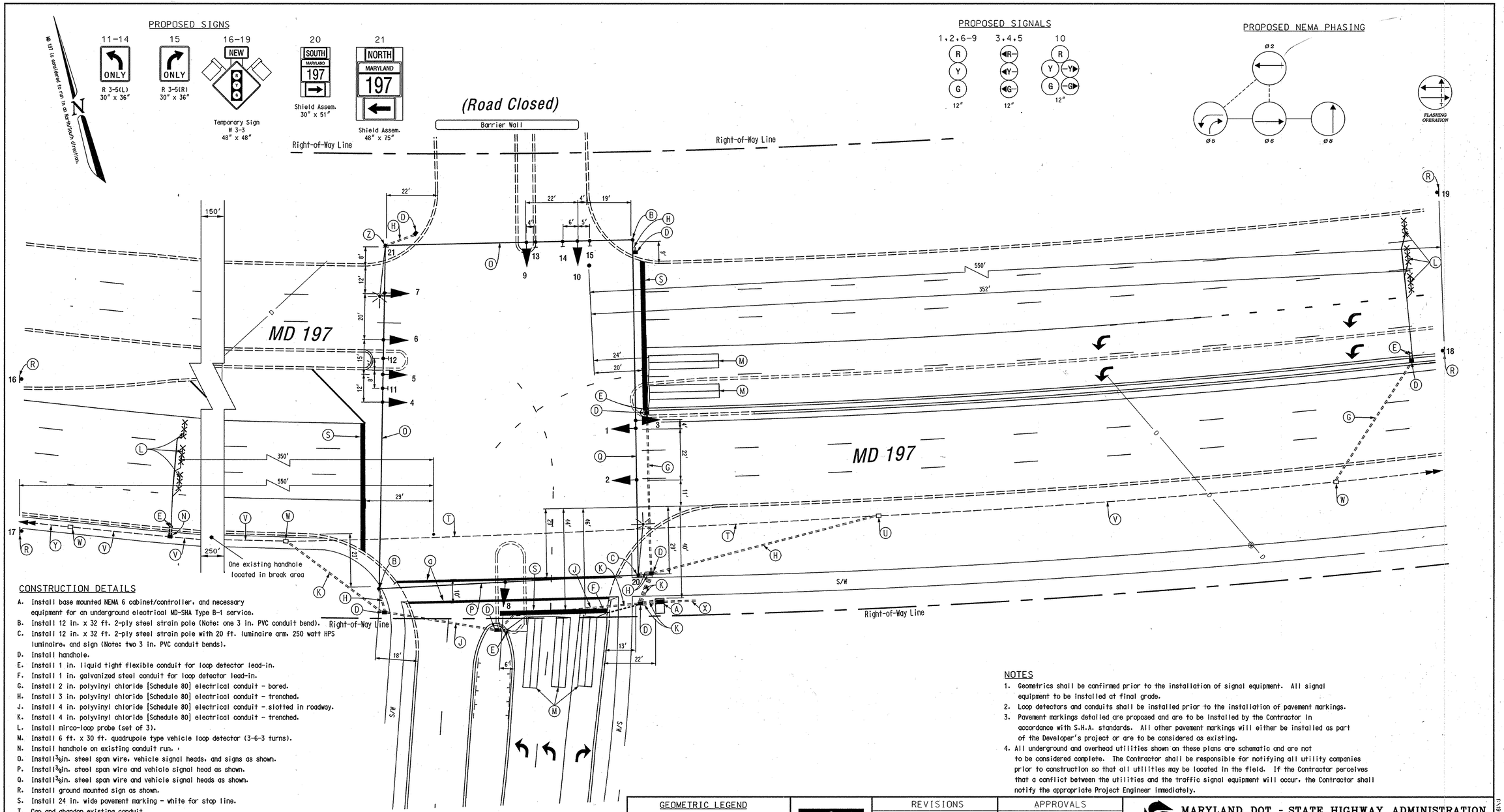

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground electrical MD-SHA Type B-1 service.
B. Install 12 in. x 32 ft. 2-ply steel strain pole (Note: one 3 in. PVC conduit bend).
C. Install 12 in. x 32 ft. 2-ply steel strain pole with 20 ft. luminaire arm, 250 watt HPS luminaire, and sign (Note: two 3 in. PVC conduit bends).
D. Install handhole.
E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
F. Install 1 in. galvanized steel conduit for loop detector lead-in.
G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
L. Install mirco-loop probe (set of 3).
M. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
N. Install handhole on existing conduit run.
O. Install 3/8 in. steel span wire, vehicle signal heads, and signs as shown.
P. Install 3/8 in. steel span wire and vehicle signal head as shown.
Q. Install 3/8 in. steel span wire and vehicle signal heads as shown.
R. Install ground mounted sign as shown.
S. Install 24 in. wide pavement marking - white for stop line.
T. Cap and abandon existing conduit.
U. Use existing handhole. Pull back existing I/C cable from the MD 197 @Northview Drive intersection and rerun in new conduit to the new cabinet at MD 197 @ Bowie Town Center Entr. intersection.
V. Use existing conduit.
W. Use existing handhole.
X. Proposed underground electrical service by BGE.
Y. Use existing conduit. Install new I/C cable to MD 197 @ Northview Drive intersection.
Z. Install 12 in. x 32 ft. 2-ply steel strain pole with 20 ft. luminaire arm, 250 watt HPS luminaire, and sign (Note: one 3 in. PVC conduit bend).
a. Install 12 in. wide pavement marking - white for crosswalk.

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 S.H.A. 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
The Traffic Group, Inc.
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REVISIONS

APPROVALS

Whitney Rankin 4-20-01
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
4/20/01
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
Dennis R. Atkins 4/26/01
for DIRECTOR, TRAFFIC & SAFETY

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

MD 197 at Bowie Town Center Entr.

DRAWN BY: Frank Hoeckel	F.A.P. NO. N/A	TS NO. 4079	SHEET NO.
CHECKED BY: RAN	S.H.A. NO. BW996M82		
SCALE: 1" = 20'	COUNTY: Prince George's	T.I.M.S. NO. E-157	1 OF 2
DATE: April 4, 2001	LOG MILE: 16019701.00		

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