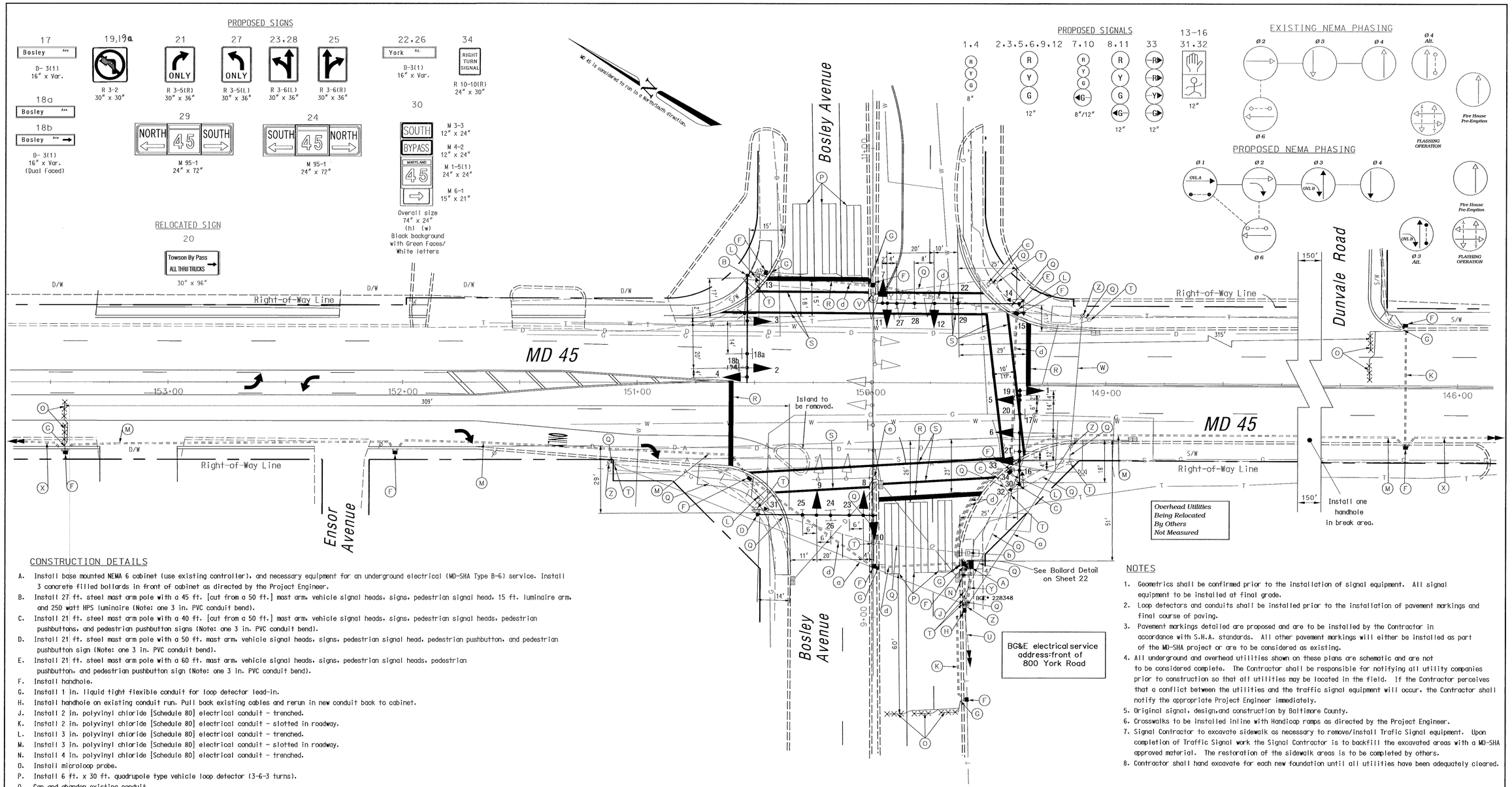

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet (use existing controller), and necessary equipment for an underground electrical (MD-SHA Type B-6) service. Install 3 concrete filled bollards in front of cabinet as directed by the Project Engineer.
B. Install 27 ft. steel mast arm pole with a 45 ft. [cut from a 50 ft.] mast arm, vehicle signal heads, signs, pedestrian signal head, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 21 ft. steel mast arm pole with a 40 ft. [cut from a 50 ft.] mast arm, vehicle signal heads, signs, pedestrian signal heads, pedestrian pushbuttons, and pedestrian pushbutton signs (Note: one 3 in. PVC conduit bend).
D. Install 21 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, signs, pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
E. Install 21 ft. steel mast arm pole with a 60 ft. mast arm, vehicle signal heads, signs, pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign (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 handhole on existing conduit run. Pull back existing cables and rerun in new conduit back to cabinet.
J. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
M. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
N. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
O. Install microloop probe.
P. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
Q. Cap and abandon existing conduit.
R. Install 24 in. wide pavement marking - white for stop line.
S. Install 12 in. wide pavement marking - white for crosswalk.
T. Remove existing splice box.
U. Use existing 1/C cable.
V. Remove existing steel mast arm pole and all attached equipment.
W. Remove existing loop detector wire and 1/C cable.
X. Installed as part of Interconnect Plan.
Y. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - for underground electrical service by BGE.
Z. Remove existing PVC riser.
a. Remove existing 1/C cable.
b. Remove existing base mounted cabinet and electrical service pedestal.
c. Remove existing pedestal pole.
d. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
e. Remove existing steel mast arm pole and all attached equipment. Relocate sign as shown.

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 and final course of paving.
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 MD-SHA 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.
5. Original signal, design, and construction by Baltimore County.
6. Crosswalks to be installed inline with Handicap ramps as directed by the Project Engineer.
7. Signal Contractor to excavate sidewalk as necessary to remove/install Trafic Signal equipment. Upon completion of Traffic Signal work the Signal Contractor is to backfill the excavated areas with a MD-SHA approved material. The restoration of the sidewalk areas is to be completed by others.
8. Contractor shall hand excavate for each new foundation until all utilities have been adequately cleared.

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

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 1-12-00
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 1/13/00
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 1/13/00
DIRECTOR, TRAFFIC & SAFETY 01/13/00

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

MD 45 (York Road) at Bosley Avenue

DRAWN BY: Frank Hoeckel	F.A.P. NO. N/A	TS NO. 3982	SHEET NO. 21 OF 44
CHECKED BY:	S.H.A. NO. BA3305183		
SCALE: 1" - 20'	COUNTY: Baltimore	T.I.M.S. NO.	
DATE: January 5, 2000	LOG MILE: 03045002.55		

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