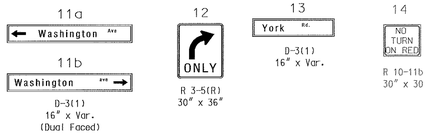
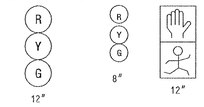
PROPOSED SIGNS

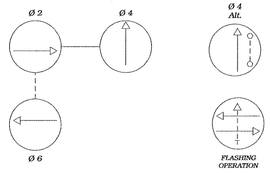


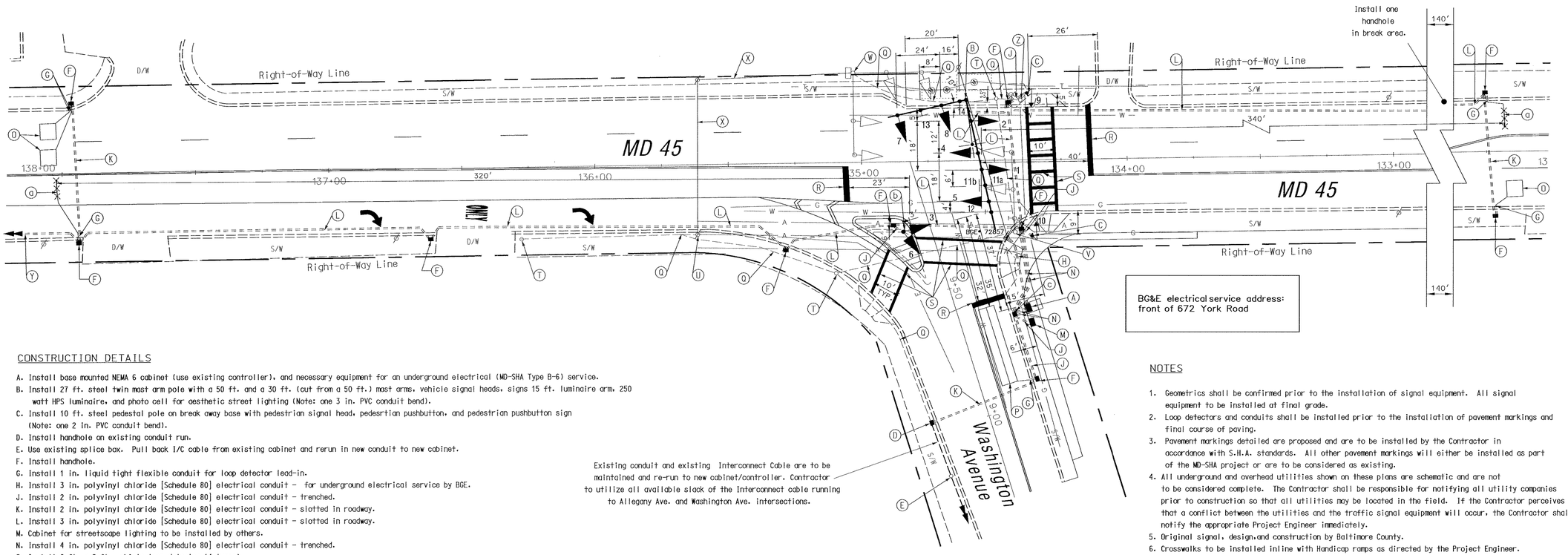
MD 45 is considered to run in a North/South direction.

PROPOSED SIGNALS



EXISTING NEMA PHASING





BG&E electrical service address:
front of 672 York Road

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.
B. Install 27 ft. steel twin mast arm pole with a 50 ft. and a 30 ft. (cut from a 50 ft.) mast arms, vehicle signal heads, signs 15 ft. luminaire arm, 250 watt HPS luminaire, and photo cell for aesthetic street lighting (Note: one 3 in. PVC conduit bend).
C. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
D. Install handhole on existing conduit run.
E. Use existing splice box. Pull back I/C cable from existing cabinet and rerun in new conduit to new cabinet.
F. Install handhole.
G. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - for underground electrical service by BGE.
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 - slotted in roadway.
M. Cabinet for streetscape lighting to be installed by others.
N. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
O. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
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.(Per MD-SHA Std.).
T. Remove splice box.
U. Remove existing PVC riser.
V. Remove existing steel mast arm pole and all attached equipment.
W. Remove existing mast arm pole and all attached equipment. Relocate existing controller to new base mounted cabinet.
X. Remove existing I/C cable wire.
Y. Installed as part of Interconnect Plan.
Z. Remove existing pedestal pole and all attached equipment.
a. Install microloop probe.
b. Install 14 ft. pedestal pole with pole mounted two-way vehicle signal heads. (Note: one 2 in. PVC conduit bend).
c. Install handhole. Leave 30 ft. additional 4-conductor wire from photo-cell for streetscape lighting. (Wire to be place into streetscape cabinet by others)

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 — 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

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

REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 1/12/00
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION — 1/12/00
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 1/12/00
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 Washington Avenue

DRAWN BY: Frank Hoeckel	F.A.P. NO. XXX	TS NO. 3983	SHEET NO.
CHECKED BY:	S.H.A. NO. BA3305183		
SCALE: 1" - 20'	COUNTY: Baltimore	T.I.M.S. NO.	23 OF 44
DATE: January 12, 2000	LOG MILE: 03045002.26		

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