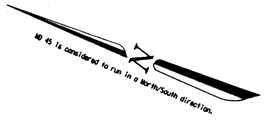
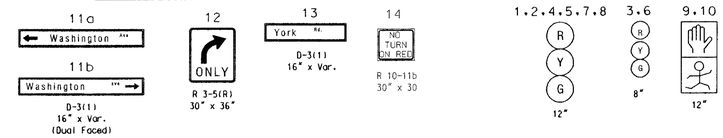


NOTES

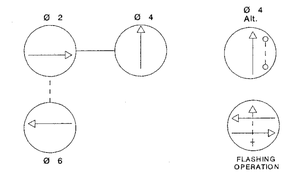
1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings and final course of paving.
3. Pavement markings detailed are proposed 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.

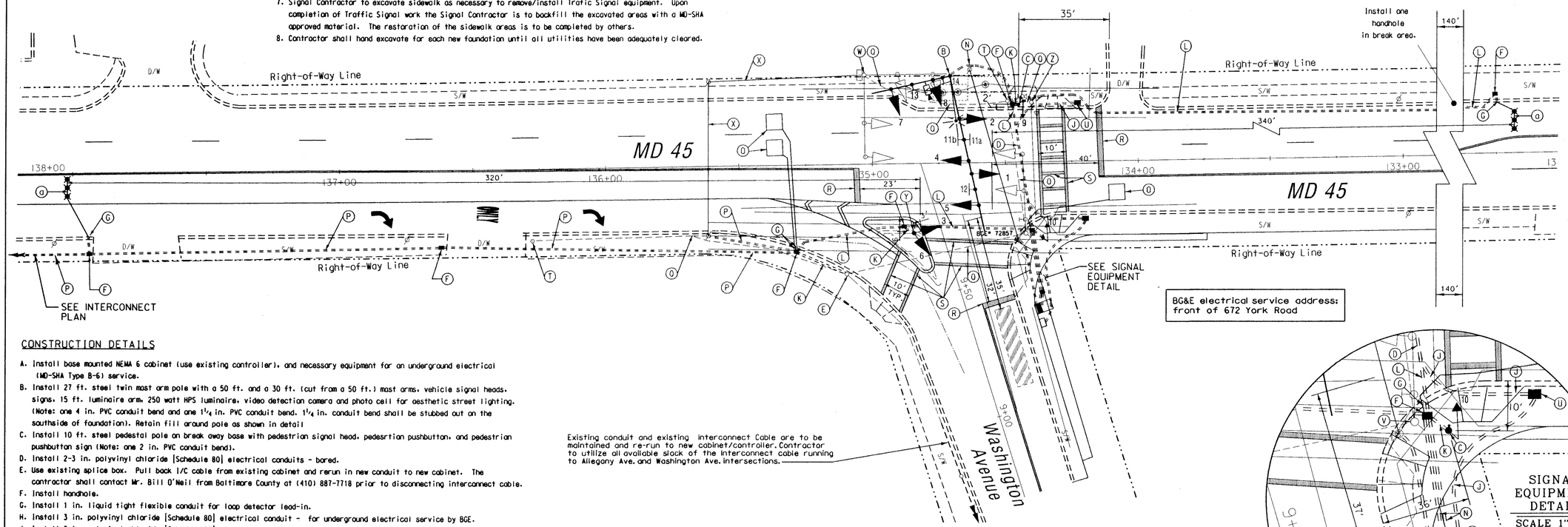
PROPOSED SIGNS



PROPOSED SIGNALS

EXISTING NEMA PHASING



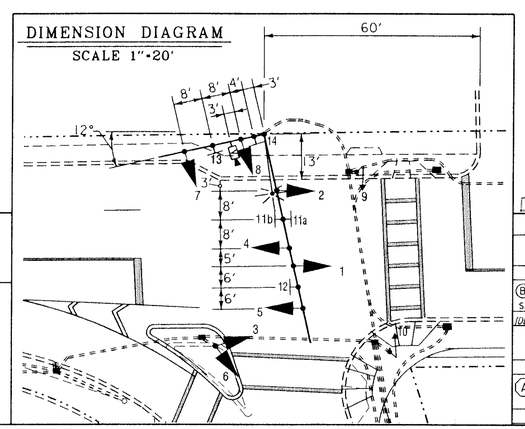


CONSTRUCTION DETAILS

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, video detection camera and photo cell for aesthetic street lighting. (Note: one 4 in. PVC conduit bend and one 1¼ in. PVC conduit bend. 1¼ in. conduit bend shall be stubbed out on the southside of foundation). Retain fill around pole as shown in detail
C. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedesrtian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
D. Install 2-3 in. polyvinyl chloride [Schedule 80] electrical conduits - bored.
E. Use existing splice box. Pull back I/C cable from existing cabinet and rerun in new conduit to new cabinet. The contractor shall contact Mr. Bill O'Neil from Baltimore County at (410) 887-7718 prior to disconnecting interconnect cable.
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 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched for street lighting cables. Cable shall not go through traffic signal handholes.
K. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
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 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched. Conduit shall be installed as sidewalk is re-constructed.
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. Use lighting junction box installed by others.
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. Pull back existing Baltimore County interconnect. [See Interconnect Plan].
Y. Install 14 ft. pedestal pole with pole mounted two-way vehicle signal heads. (Note: one 2 in. PVC conduit bend).
Z. Remove existing pedestal pole and all attached equipment.
a. Install microloop probe.

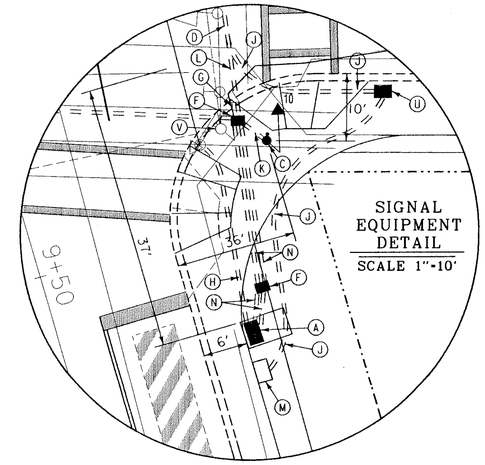
DIMENSION DIAGRAM

SCALE 1"=20'



SIGNAL EQUIPMENT DETAIL

SCALE 1"=10'



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

NEW SHEET
Z REDLINE REVISION #2

REVISIONS	Month	Date	Year
B Revision Note S.H.A. No.BW996M82 (DES 911)			
A REDLINE REVISION No. 2 CONTRACT NO. BA3305183			3/2002

APPROVALS

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

ORIGINAL ON FILE

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 B	SHEET NO.
CHECKED BY:		S.H.A. NO.	BA3305183	T.I.M.S. NO.	23 OF 44
SCALE:	1" = 20'	COUNTY:	Baltimore		
DATE:	January 12, 2000	LOC MILE:	03045002.26		

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