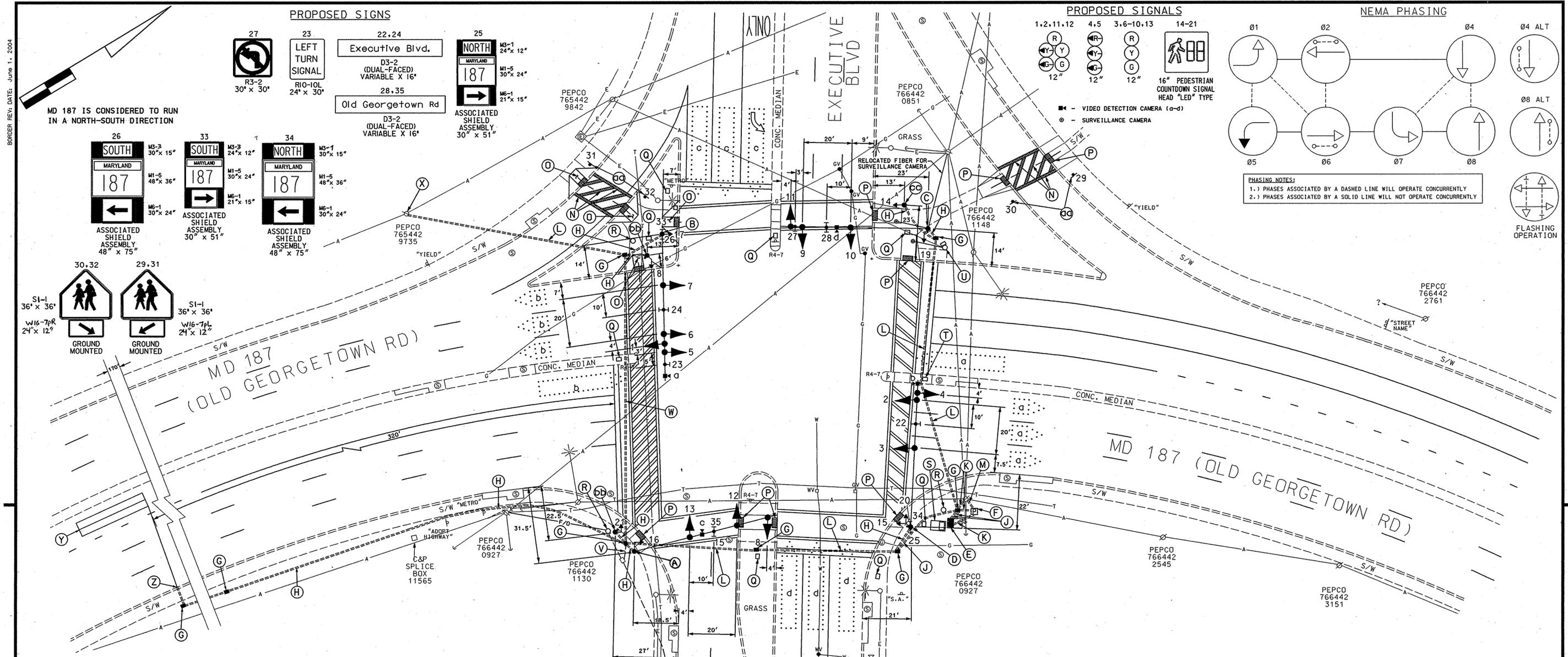


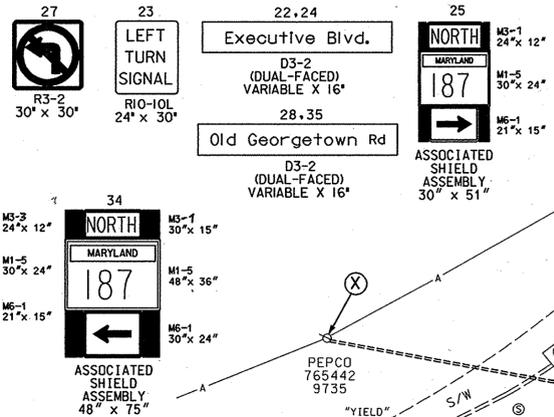
DRILL HOLES

DRILL HOLES

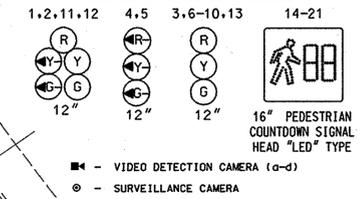
DRILL HOLES



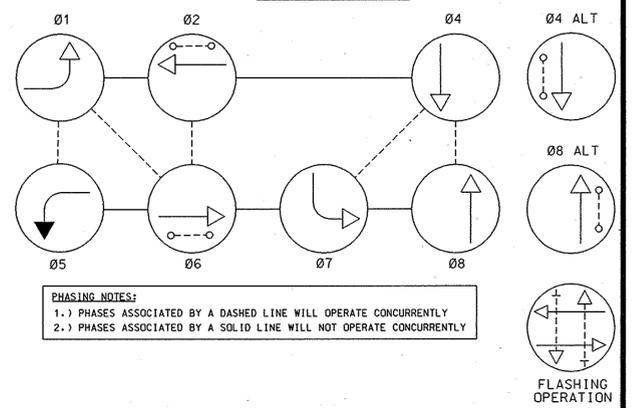
PROPOSED SIGNS



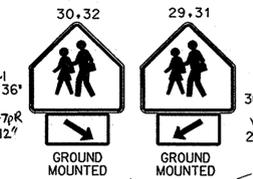
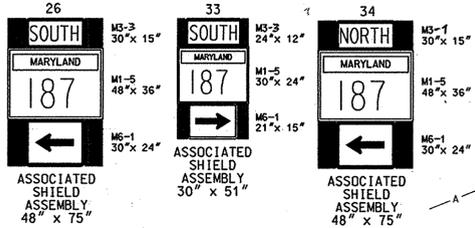
PROPOSED SIGNALS



NEMA PHASING



MD 187 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION



CONSTRUCTION DETAILS

- A. Install 27' steel pole with single 60' mast arm, traffic signal heads, signs, countdown pedestrian signal heads, pedestrian education sign, and video detection camera as shown. (Note: 1-3" polyvinyl chloride (schedule 80) bend.)
- B. Install 27' steel pole with single 60' mast arm, traffic signal heads, signs, countdown pedestrian signal heads, pedestrian education sign, and video detection camera as shown. (Note: 1-3" polyvinyl chloride (schedule 80) bend.)
- C. Install 27' steel pole with single 60' mast arm, traffic signal heads, signs, countdown pedestrian signal heads, pedestrian education sign, pushbutton, 20' lighting arm for relocated surveillance camera, 3" weatherhead, and video detection camera as shown. (Note: 1-3" polyvinyl chloride (schedule 80) bend.)
- D. Install 27' steel pole with single 60' mast arm, traffic signal heads, signs, countdown pedestrian signal heads, pedestrian education sign, pushbutton and video detection camera as shown. (Note: 1-3" polyvinyl chloride (schedule 80) bend.)
- E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.
- F. Install metered pedestal for electrical utility service equipment as shown.
- G. Install handhole.
- H. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- K. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of 3 wire, 1 conductor (No. 250 KCMIL) for power service to base of utility pole for proposed underground electrical service by Pepco.
- N. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)
- O. Install proposed handicap ramp with detectable warning surfaces.
- P. Install detectable warning surfaces as shown.
- Q. Remove existing handhole, cap and abandon all existing conduit runs associated with this handhole.
- R. Remove existing signal pole, associated wiring, and other equipment as shown.

CONSTRUCTION DETAILS (CON'T)

- S. Remove existing cabinet foundation 12" below grade and backfill. (Note: Contractor shall remove overhead services, all existing conduit runs, disconnect, pull back and reroute all interconnect to proposed cabinet.)
- T. Contractor shall use existing handhole and dig a receiving pit in front of handhole as shown.
- U. Montgomery County Forces shall remove all surveillance camera equipment to be relocated to proposed mast arm (See Detail "C"). (Note: Contractor shall remove strain pole and backfill after MCDPW&T Forces are done.)
- V. Contractor shall locate existing conduit and extend to proposed handhole and reroute underground interconnect cable through existing and proposed conduit to proposed cabinet as shown.
- W. Install (2) 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted) (Note: One conduit will be for fiber only.)
- X. Install 3" galvanized conduit riser on existing wood pole as shown.
- Y. Install 6' x 30' loop detector encased in 1/2" flexible tubing quadrupole type (3-6-3).
- Z. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- aa. Install ground mounted sign on 4" x 6" wood post as shown.
- bb. Install 10' pedestal pole, countdown pedestrian signal head, pushbutton with pedestrian education sign. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- cc. Install 10' pedestal pole with countdown pedestrian signal head. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

GENERAL NOTES:

1. An existing signal plan of this intersection could not be located at this time.
2. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" 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 will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
4. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections; Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
5. The contractor shall remove all unused wiring.

**GEOMETRIC LEGEND**

PROPOSED	---
EXISTING	---
<b>LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES</b>	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

**MD 187 (OLD GEORGETOWN RD) AND EXECUTIVE BLVD**



APPROVALS		REVISIONS	
TEAM LEADER			
ASST. DIV. CHIEF			
DIVISION CHIEF			
OFFICE DIRECTOR			

SCALE 1" = 20'	DATE	CONTRACT NO.
DESIGNED BY MONTGOMERY CO.	COUNTY MONTGOMERY	
DRAWN BY MONTGOMERY CO.	LOGMILE 15018705.04	
CHECKED BY MONTGOMERY CO.	TMS NO. G672	
F.A.P. NO.	TOD NO. AT 718-10	
TS NO. 4382A	DRAWING NO.	OF SHEET NO. 1 OF 2

PLOTTED: 8/24/2004  
FILE: 87185