

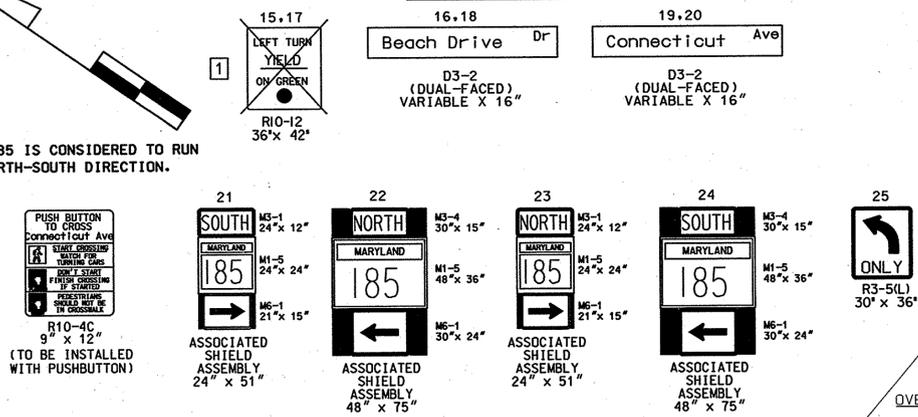
DRILL HOLES

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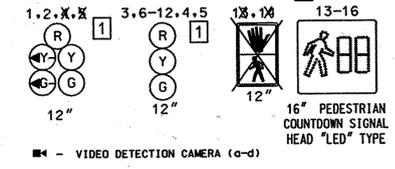
BORDER REV: DATE: JUNE 11, 2004

PROPOSED SIGNS

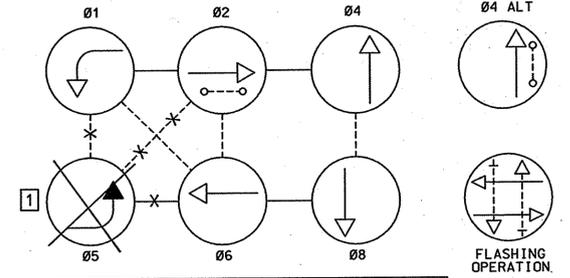


NOTE: MD 185 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

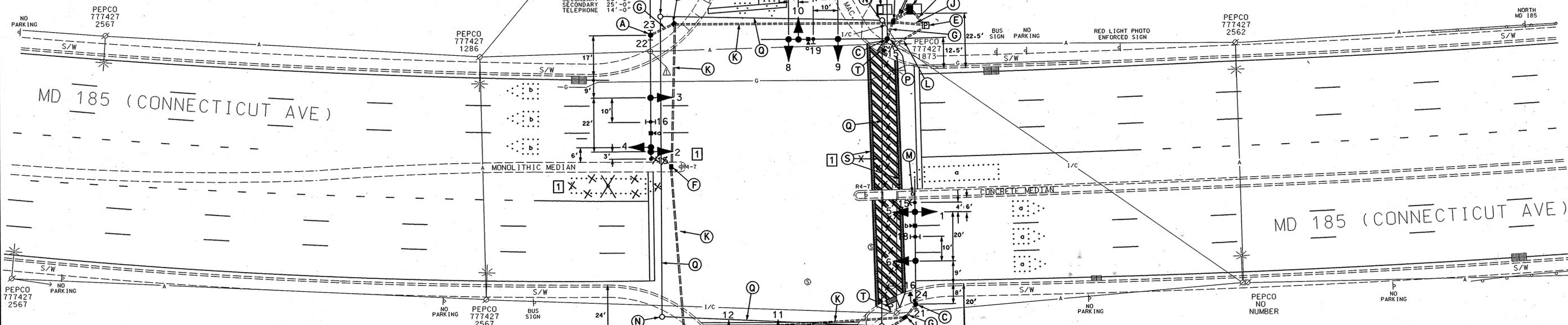
PROPOSED SIGNALS



NEMA PHASING



PHASING NOTES:
 1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
 2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

- A. Install 27' steel pole (cut to 21') with a single 50' mast arm, traffic signal heads, signs, and video detection camera as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 27' steel pole with a single 40' mast arm, traffic signal heads, signs and video detection camera and Countdown pedestrian signal head as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install 27' steel pole (cut to 21') with a single 50' mast arm, traffic signal heads, signs, video detection camera, Countdown pedestrian signal head, pushbutton and pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.) (Note: Contractor shall install 3" weather head on proposed pole in the Southeast corner near the proposed cabinet.)
- D. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.
- E. Install metered pedestal for electrical utility service equipment as shown.
- F. Install handhole.
- G. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- J. Install 2" polyvinyl chloride electrical conduits (Schedule 80) (trenched).
- K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- L. Install 3" 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.
- M. Abandon existing conduit and/or handhole.
- N. Remove existing strain pole and backfill 12" below grade.
- O. Remove existing controller, foundation and backfill 12" below grade.
- P. Contractor shall disconnect existing runs of Interconnect cable from existing controller, pullback back from strain pole to PEPCO pole (777427-1873), attach to mast arm pole through a 3" weather head and reroute into proposed cabinet.
- Q. Remove existing span wire signal heads and signs as shown.
- R. Remove existing pavement markings as shown.
- S. Contractor shall grind existing cross hatching, crosswalk, and install 12" white heat applied permanent preformed thermoplastic pavement marking. (Crosswalk).
- T. Install proposed handicap ramp with detectable warning surfaces as shown.
- U. Install detectable warning surfaces in existing handicap ramp as shown.
- V. Install 10' breakaway pedestal pole, Countdown pedestrian signal head, pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

GENERAL NOTES:

- 1. 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.
- 2. 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.
- 3. The contractor shall remove all unused wiring.
- 4. Proposed crosswalk shall be centered on proposed handicap ramps.

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION

MD 185 AND BEACH DRIVE

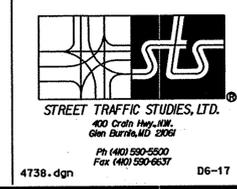
2004 1 REDLINE REVISION 11/30/05

GEOMETRIC LEGEND

PROPOSED _____
 EXISTING _____

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A
 ELECTRIC — E — E
 TELEPHONE — T — T
 GAS — G — G
 SEWER — S — S
 WATER — W — W
 CABLE TV — TV — TV



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

REVISIONS	DATE
RECONSTRUCT SIGNAL	4/5/05
SHA* ATTT585	
JWA HJK MAR DAZ BRK	

SCALE 1" = 20'	DATE	CONTRACT NO.
DESIGNED BY SHA	COUNTY MONTGOMERY	
DRAWN BY SHA	LOGMILE 15018502.83	
CHECKED BY SHA	TIMS Nos F106	
F.A.P. NO.		
DRAWING NO. TS 4386A -	OF	SHEET NO. 1 OF 2

PLOTTED: 8/24/05 10:05 AM
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