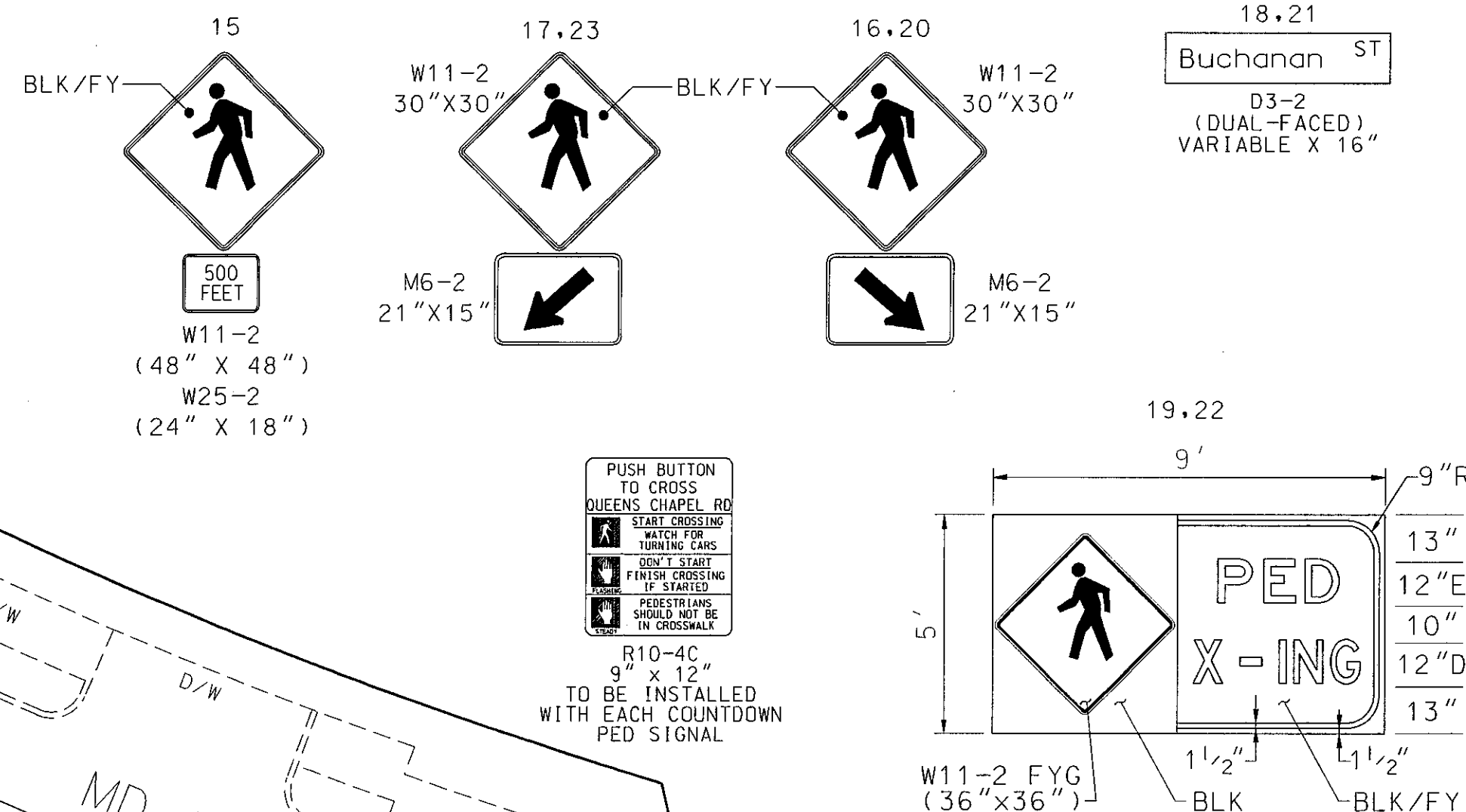
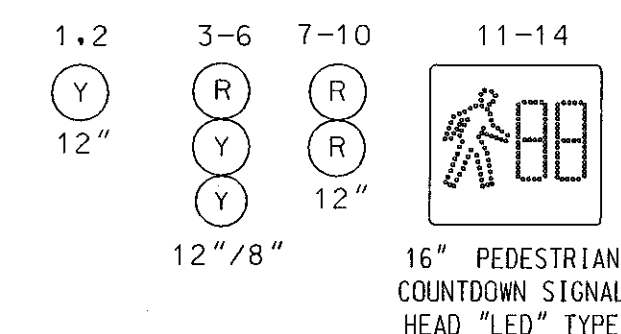


NOTE: MD 500 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

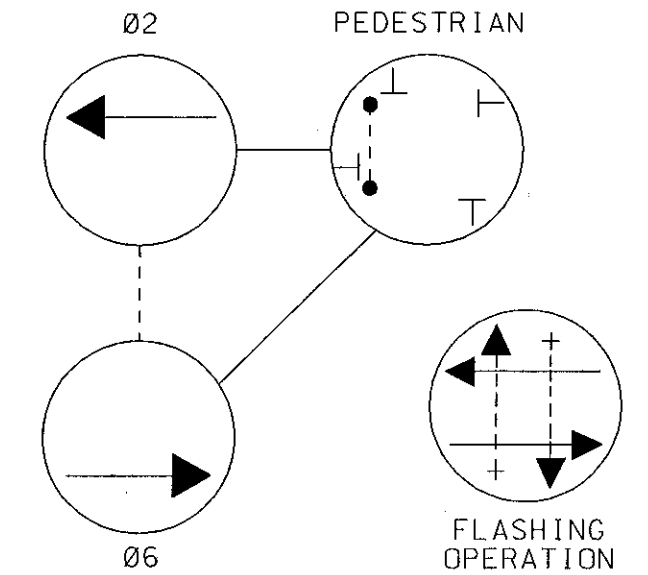
PROPOSED SIGNS



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 with Twin 50'/60' Mast arms (Cut to 35'). Traffic signal heads, and signs as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 27' steel pole with single 60' mast arm (Cut to 35'), traffic signal heads and signs as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install 14' breakaway pedestal pole, pedestrian count down signal head, pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- D. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment for underground electrical utility service equipment as shown.
- E. Remove existing side stacked signal heads and install proposed signal heads on existing pedestal pole 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 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of power cable coiled at base of existing utility pole for power service by PEPCO as shown. (Note: Also install one 2" polyvinyl chloride electrical conduit (Schedule 80) in same trench to base of utility for phone drop).
- L. Abandon existing conduit.
- M. Use existing pedestal pole and install new pedestrian sign with countdown ped heads and push button.
- N. Remove existing sign, use existing pedestal pole and install new pedestrian sign with countdown ped heads and push button.
- D. Use existing handhole.
- P. Use existing conduit.
- D. Remove existing sign on pedestal pole and replace with proposed sign as shown.
- R. Remove existing steel pole, mast arm, signal heads, signs, foundation, and all necessary equipment for overhead service.

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.

GEOMETRIC LEGEND

| | |
|--|-----|
| PROPOSED | --- |
| EXISTING | --- |
| LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES | |
| AERIAL CABLE | A |
| ELECTRIC | E |
| TELEPHONE | T |
| GAS | G |
| SEWER | S |
| WATER | W |
| CABLE TV | TV |

4694.dgn WT-68

| REVISIONS | | APPROVALS | |
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SHA# P6G52A53/B53 TOD#AT582-14

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 500 AND BUCHANAN STREET

| | | | |
|----------------------|-------------------------------|-------------------|------------------|
| DRAWN BY: D.A.NIES | F.A.P. NO. AC-STPG-000S(591)E | TS NO. 3867A | SHEET NO. 1 OF 2 |
| CHECKED BY: 1" = 20' | S.H.A. NO. PRINCE GEORGE'S | T.I.M.S. NO. G245 | |
| DATE: 8-9-04 | LOG MILE: 16050000.73 | | |