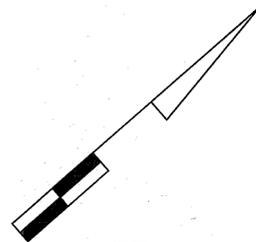
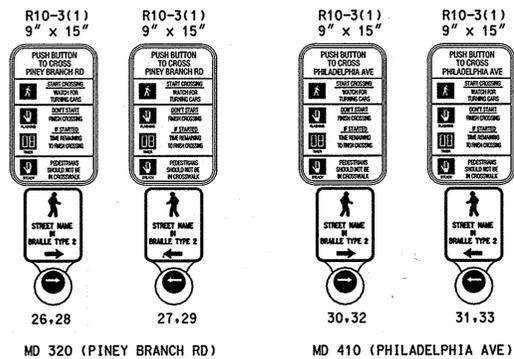


BORDER REV. DATE: June 1, 2004



NOTE:
MD 320 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION.

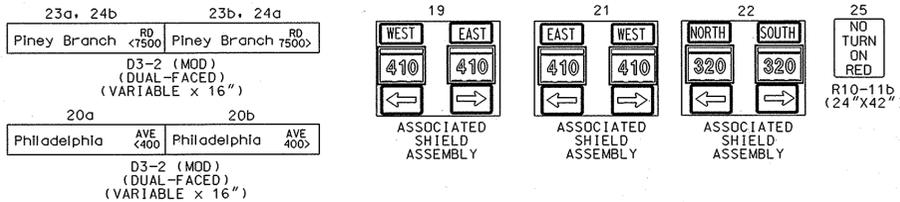
PROPOSED SIGNS



MD 320 (PINEY BRANCH RD)

MD 410 (PHILADELPHIA AVE)

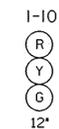
EXISTING SIGNS



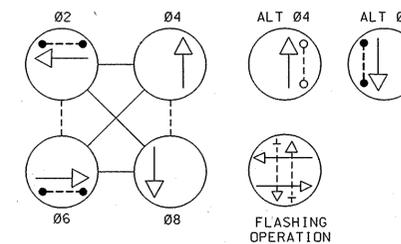
PROPOSED SIGNALS



EXISTING SIGNALS



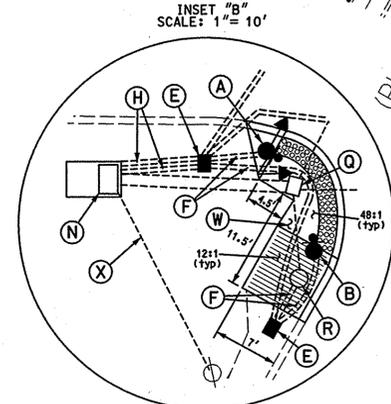
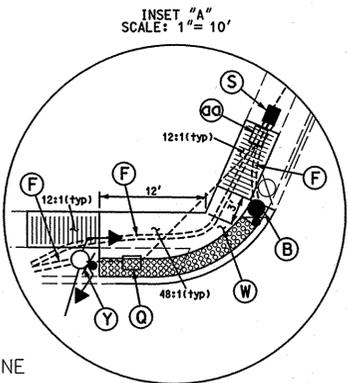
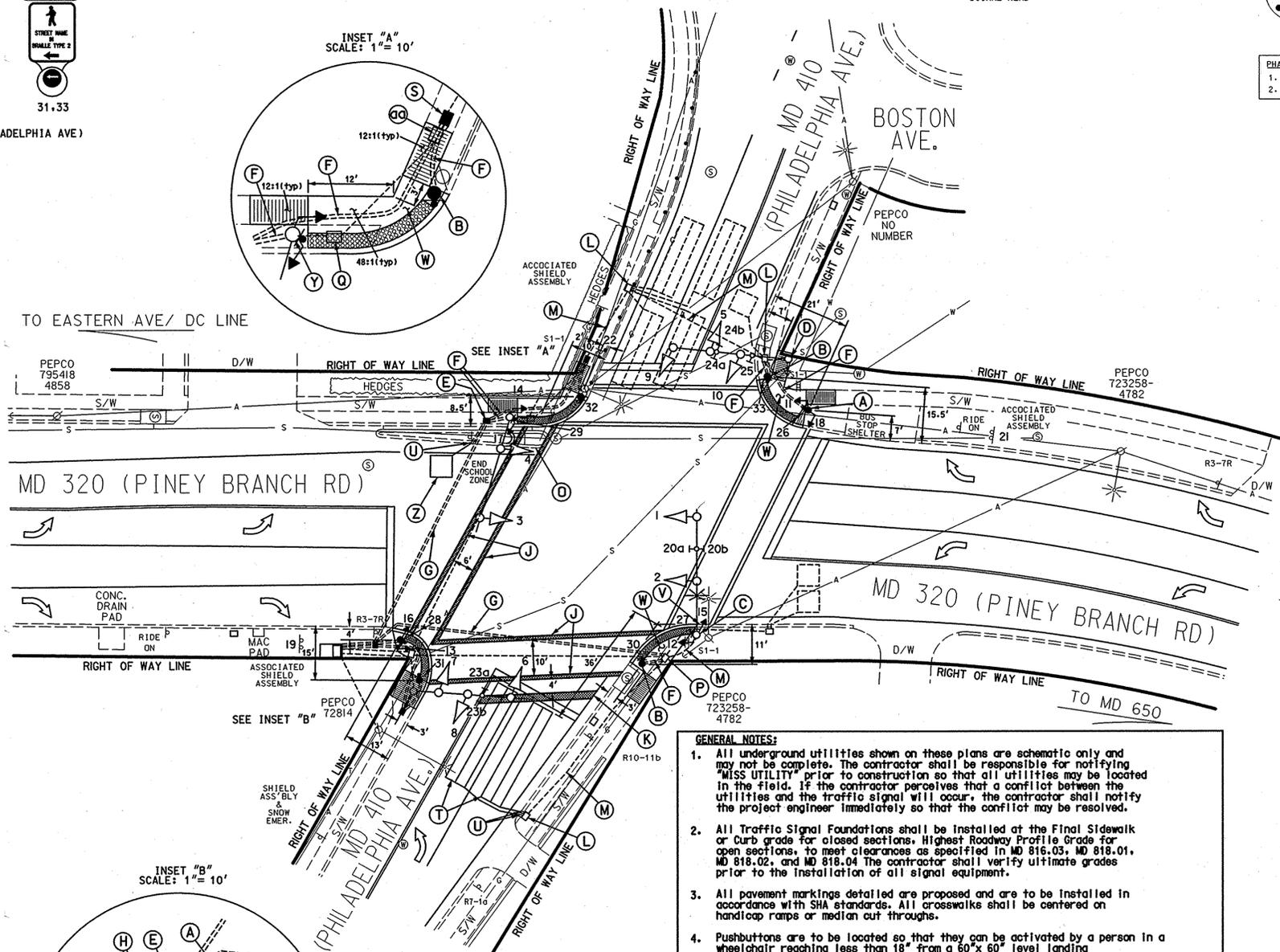
NEMA PHASING



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 10' breakaway pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign (R10-3(1)).
B. Install 5' breakaway pedestal pole and APS pushbutton with pedestrian education sign (R10-3(1)).
C. Remove existing pedestrian signal head, existing pushbutton with pedestrian education sign and install countdown pedestrian signal heads, APS pushbutton with pedestrian education sign (R10-3(1)).
D. Remove existing pedestrian signal head, push button and pedestrian education sign from existing strain pole.
E. Install handhole.
F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
G. Install 4" polyvinyl chloride electrical conduit (schedule 80) (slotted).
H. Install 4" polyvinyl chloride electrical conduit (schedule 80) (trenched).
J. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)
K. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)
L. Use existing handhole.
M. Use existing conduit.
N. Use existing cabinet and controller. Cut existing conduits and attach proposed four inch conduits to existing bends.
O. Remove 10' of concrete island. Install new concrete nose and patch roadway.
P. Adjust existing hand hole to grade.
Q. Remove existing handhole. (Cap and abandon existing conduit).
R. Install 3" elbow into existing signal pole base.
S. Install proposed handhole onto existing conduit.
T. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
U. Install 1" galvanized steel electrical conduit (detector wire sleeve).
V. Remove last 3' of existing concrete curb.
W. Install parallel handicapped ramp (Std No. MD 655.12) with detectable warning surface (Std No. MD 655.40)
X. Existing underground electrical service to be maintained by PEPCO.
Y. Install 16" Countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. Install 3" elbow into existing foundation.
Z. Install 6' x 6' loop detector encased in 1/4" flexible tubing quadrupole type (4-turns).
aa. Remove existing handhole.



- 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.
2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
4. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x60" level landing area with a cross slope of less than or equal to 2%.
5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
6. Pushbutton arrows are to be parallel to the crossing for which they are intended.
7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian signals: Guide to Best Practices.
8. The contractor shall remove all unused wiring.

TOD NO:AT782-83
SHA NO:MS74AS/N/BSN
MD 320@MD410

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
MD 320 (PINEY BRANCH ROAD) AND MD 410 (PHILADELPHIA AVENUE) TAKOMA PARK, MARYLAND
TRAFFIC SIGNAL PLAN
SCALE 1"= 20' DATE 9-29-99 CONTRACT NO.
DESIGNED BY COUNTY MONTGOMERY
DRAWN BY D.A.NIES LOGMILE I504I004.96
CHECKED BY EMM TMS NO. H247
F.A.P. NO. AC-STPG-000S(588)E TOD NO. AW2775185
TS NO. 3880A DRAWING NO. 1 OF 2 SHEET NO. OF

GEOMETRIC LEGEND
PROPOSED
EXISTING
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV

REVISION "A"
STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., #100, Glen Burnie, MD 21061
Ph (410) 250-2500 Fax (410) 250-0533
4930.dgn T-69.dgn

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

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