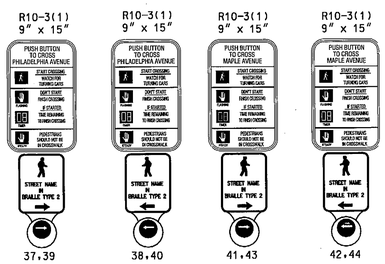
DRILL HOLES

BORDER REV: DATE: June 1, 2004

NOTE: MD 410 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

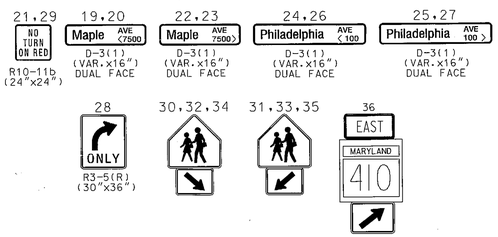
PROPOSED SIGNS



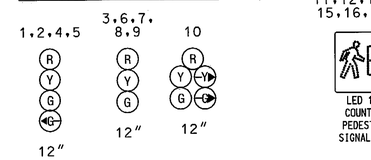
MD 410 (PHILADELPHIA AVENUE)

MAPLE AVENUE

EXISTING SIGNS



PROPOSED LED MODULES IN EXISTING SIGNALS

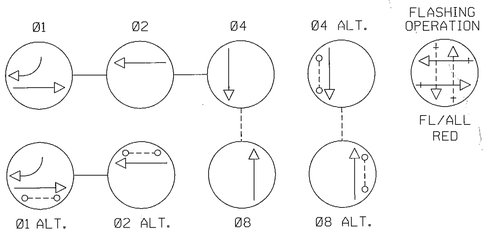


PROPOSED SIGNALS

11,12,13,14, 15,16,17,18

LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

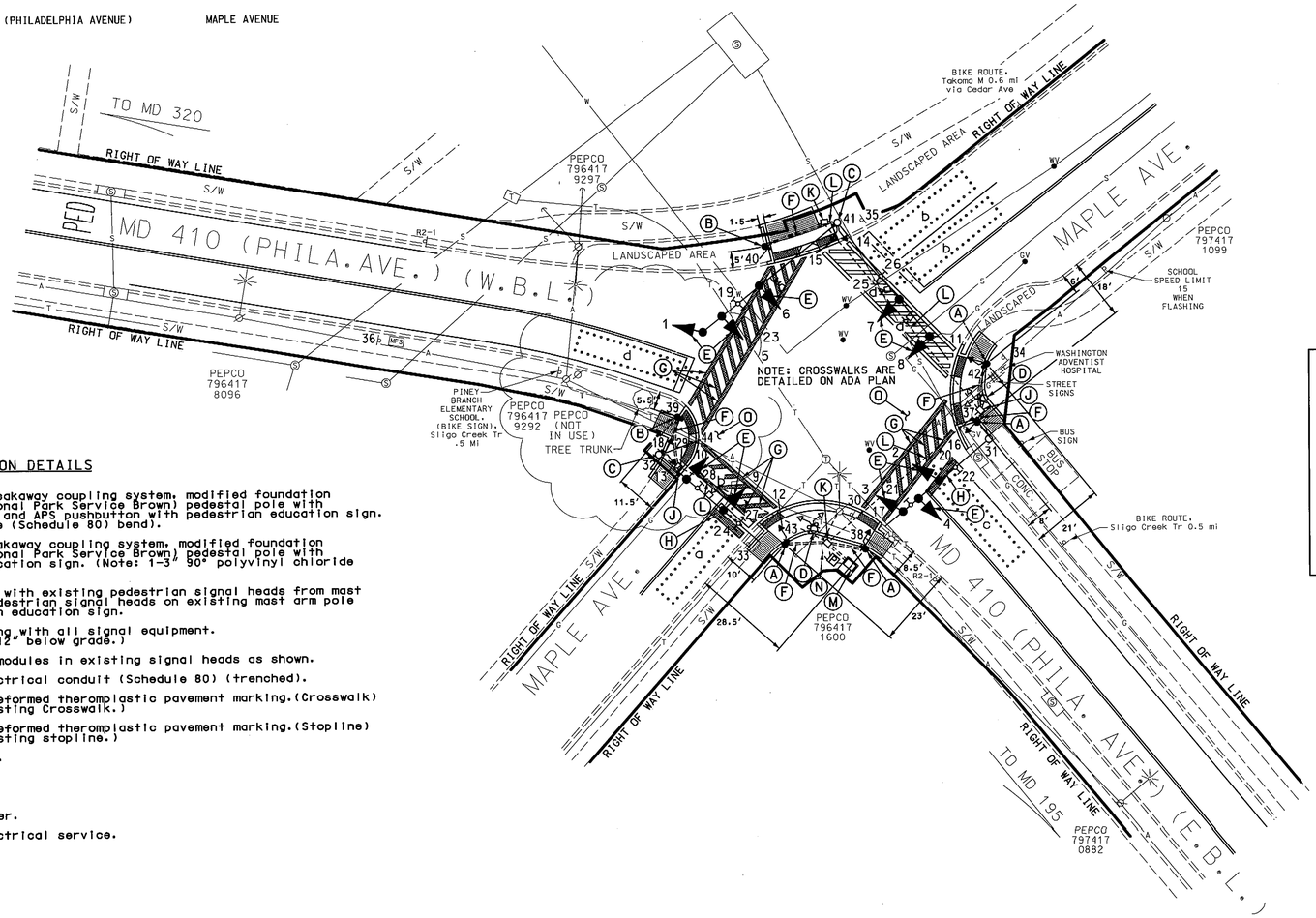
NEMA PHASING



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

EXISTING VIDEO DETECTION

□a - VIDEO DETECTION CAMERA, a-d



CONSTRUCTION DETAILS

A. Install 10' pedestal pole with breakaway coupling system, modified foundation (STD No. 801.01-01) (Painted National Park Service Brown) pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).

B. Install 5' pedestal pole with breakaway coupling system, modified foundation (STD No. 801.01-01) (Painted National Park Service Brown) pedestal pole with APS pushbutton and pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).

C. Remove existing pushbuttons along with existing pedestrian signal heads from mast arm pole and install countdown pedestrian signal heads on existing mast arm pole with APS pushbutton and pedestrian education sign.

D. Remove existing pedestal pole along with all signal equipment. (Note: Contractor shall backfill 12" below grade.)

E. Install proposed LED signal head modules in existing signal heads as shown.

F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

G. Install 12" white heat applied preformed theromplastic pavement marking.(Crosswalk) (Note:Contractor shall remove existing Crosswalk.)

H. Install 24" white heat applied preformed theromplastic pavement marking.(Stopline) (Note:Contractor shall remove existing stopline.)

J. Adjust existing handhole to grade.

K. Use existing handhole.

L. Use existing conduit.

M. Use existing cabinet and controller.

N. Maintain existing underground electrical service.

O. Remove existing crosswalk.

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. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
4. The contractor shall remove all unused wiring.
5. All new signal structures shall be painted brown Fed Stn. No. 595a-20040.

TOD NO: XX445-32
SHA NO: MO206A5A/B5A
MD 410 @ Maple Avenue

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—

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-5637
5895.dgn T-70

APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

© SHA NO. XX4455185 12/10/10
INSTALL APS, CPS & LED MODULES
TIMS: K517
RRZ

B SHA NO. AT3565185 09/01/04
SIGNAL RECONSTRUCTION
SWA

A 03/01/01
INSTALL SIGNAL HEADS AND SIGNING FOR MD 410
CJS | MAR | DAZ | BK | TH

PLOTTED: \$DATETIME\$
FILE: \$FILE\$

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 410 (PHILADELPHIA AVENUE) AT MAPLE AVENUE

TAKOMA PARK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 5/23/75 CONTRACT NO.
DESIGNED BY A. BUDNICHUK COUNTY MONTGOMERY
DRAWN BY J. GORDON LOGMILE 15041005.29
CHECKED BY TIMS NO.
F.A.P. NO. TOD NO.

TS NO. 1327C | DRAWING NO. 1 OF 3 | SHEET NO. OF

DRILL HOLES

DRILL HOLES

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