DRILL HOLES

BORDER REV. DATE: June 1, 2004

MD 410 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

R10-4(1) MOD 9" x 12"

R10-4(1) MOD 9" x 12"

PUSH BUTTON TO CROSS East-West Hwy

A: START CROSSING WATCH FOR TURNING CARS

B: 10NCT EVERY FINISH CROSSING IF STARTED

C: TIME REMAINING TO FINISH CROSSING

D: PEDESTRIANS IN CROSSWALK IN CROSSWALK

STREET NAME IN BRAILLE TYPE 2

31,33 — 30,32

MD 410 (East-West Hwy)

20

S2-1 36" x 36"

M6-2 21" x 15"

EXISTING SIGNS

25 — EAST — MARYLAND 410 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

26 — WEST — MARYLAND 410 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

28 — WEST — MARYLAND 410 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

29 — EAST — MARYLAND 410 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

17,19,21,24 — Taylor RD — D3-2 (DUAL FACED) (VARIABLE x 16")

27 — ONLY — R3-5R (30" X 36")

18,22

23

EXISTING SIGNALS

1,2,5,6: R, Y, G 12"

3,4,7,8: R, Y, G 12"

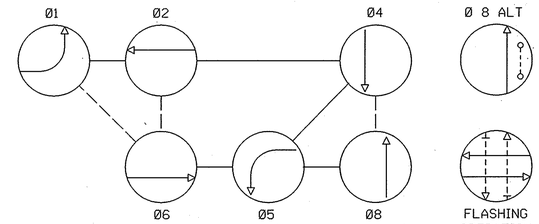
9-12: R, Y, G 8"

PROPOSED SIGNALS

13-16

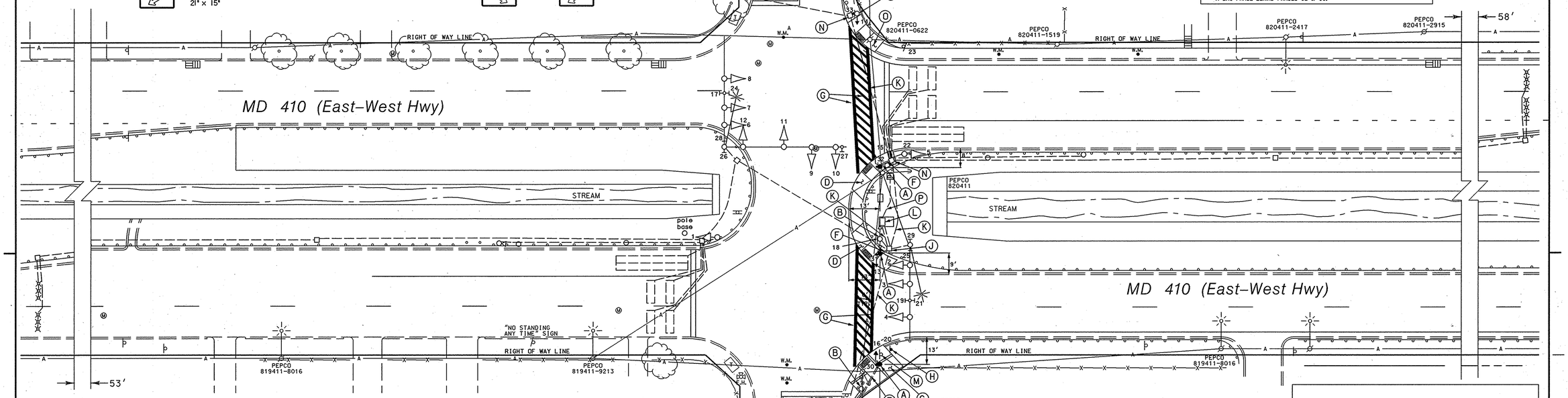
LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
3. CONTROLLER TO BE RECONFIGURED TO ALLOW PHASE 05 TO OPERATE AS A LAG PHASE BEHIND PHASES 02 & 06.



CONSTRUCTION DETAILS

A. Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Remove existing pedestal pole with all pedestrian signal equipment, foundation 12" below grade and backfill. (Note: Contractor shall cap and abandon existing conduit run to ped pole.)

C. Install proposed parallel handicap ramp (STD. No. MD 655.12 mod) with detectable warning surface. (See Inset "A")

D. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface. (See Inset "B").

E. Remove all pedestrian signal equipment and install countdown pedestrian signal head and APS pushbutton with pedestrian education sign onto existing pedestal.

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 ground mounted sign in proposed location as shown.

J. Use existing handhole.

K. Use existing conduit.

L. Use existing cabinet and controller.

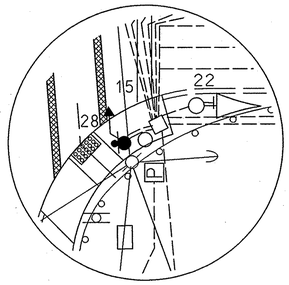
M. Remove ground mounted "School Crossing" sign

N. Adjust existing handhole to new grade.

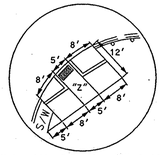
O. Install proposed parallel handicap ramp (STD. No. MD 655.12 mod) with detectable warning surface. (Note: The entire center section of the ramp shall remain at roadway grade.)

P. Maintain existing underground service by PEPCO.

INSET "B"
SCALE: 1"= 10'



INSET "A"
SCALE: 1"=20'

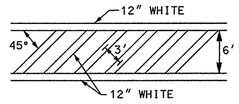


Note: All of Section "Z" shall be at roadway grade.

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 pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps.
3. 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.
4. Contractor shall remove all unused wiring.
5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.

CROSSWALK DIMENSION TYPICAL



SCALE: 1"= 10'

NOTES:
1. CROSSHATCHING IS REQUIRED WITHIN ALL CROSSWALKS
2. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.

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

TOD NO: AT915-17
SHA No.: PG580A51/C51
MD 410 @ Taylor Avenue

REVISIONS "C"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-5537

5150.dgn T-33

APPROVALS — ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

(E) 10-30-06 INSTALL APS & CPS S.H.A. NO. AT9156185 — JWA CJS RMD

D 7-1-99 ASBUILT FOR CAMERA INSTALLATION S.H.A. NO. AW277A5H/BSH — RRZ

C INSTALL OPTICOM DETECTOR N/B TAYLOR ROAD 2/2000

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 410 (EAST-WEST HWY) AND TAYLOR ROAD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 10-30-97 CONTRACT NO.

DESIGNED BY
DRAWN BY M. LARSON
CHECKED BY T. HANNON
F.A.P. NO.

COUNTY PRINCE GEORGE'S
LOGMILE 16041004.17
TIMS NO. H894
TOD NO.

TS NO. 3752E | DRAWING NO. 1 OF 2 | SHEET NO. OF

PLOTTED: TUESDAY, DECEMBER 12, 2006 AT 10:49:31 AM
FILE: 5150-2-V8.DGN