DRILL HOLES

BORDER REV. DATE: June 1, 2004

NOTE: MD 118 IS CONSIDERED TO RUN IN AN NORTH-SOUTH DIRECTION.

PROPOSED SIGNS

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS GERMANTOWN RD — START CROSSING / WATCH FOR TURNING CARS — DON'T START / FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS GERMANTOWN RD — START CROSSING / WATCH FOR TURNING CARS — DON'T START / FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS AIRCRAFT DR — START CROSSING / WATCH FOR TURNING CARS — DON'T START / FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS AIRCRAFT DR — START CROSSING / WATCH FOR TURNING CARS — DON'T START / FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS D.O.E. DRWY — START CROSSING / WATCH FOR TURNING CARS — DON'T START / FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS D.O.E. DRWY — START CROSSING / WATCH FOR TURNING CARS — DON'T START / FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK

R10-4(1) MOD 9" x 12" — STREET NAME IN BRAILLE TYPE 2

38, 39 — GERMANTOWN RD

40, 41 — AIRCRAFT DRIVE

42, 43 — D.O.E. DRWY

44: W11-2 30" x 30"; M6-2(R) 21" X 15"

45: W11-2 30" x 30"; M6-2(L) 21" X 15"

EXISTING SIGNS

21.24 — LEFT TURN YIELD ON GREEN — R 10-12 36"x42" — TO BE REMOVED

26 — ONLY — R 3-5(R) 30"X 36"

35 — ONLY — R 3-5(L) 30"X 36"

20.22 — Aircraft DR 19900 — D3-2 (DUAL FACED) 16" x VARIABLE

23.25 — Aircraft DR 19900 — D3-2 (DUAL FACED) 16" x VARIABLE

36 — R 3-6 30"X 36"

28.31 — Germantown RD 19900 — D3-2 (DUAL FACED) 16" x VARIABLE

32.37 — Germantown RD 19900 — D3-2 (DUAL FACED) 16" x VARIABLE

27 — SOUTH MARYLAND 118 — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

30 — SOUTH MARYLAND 118 — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

34 — NORTH MARYLAND 118 — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

33 — SOUTH MARYLAND 118 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

29 — NORTH MARYLAND 118 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

EXISTING SIGNALS

1,4 — R Y G 8" 12" 12"

2,5 — R Y G 12"

8,9,11,12 — R Y G 12"

3,6,7,10,13 — R Y G 12"

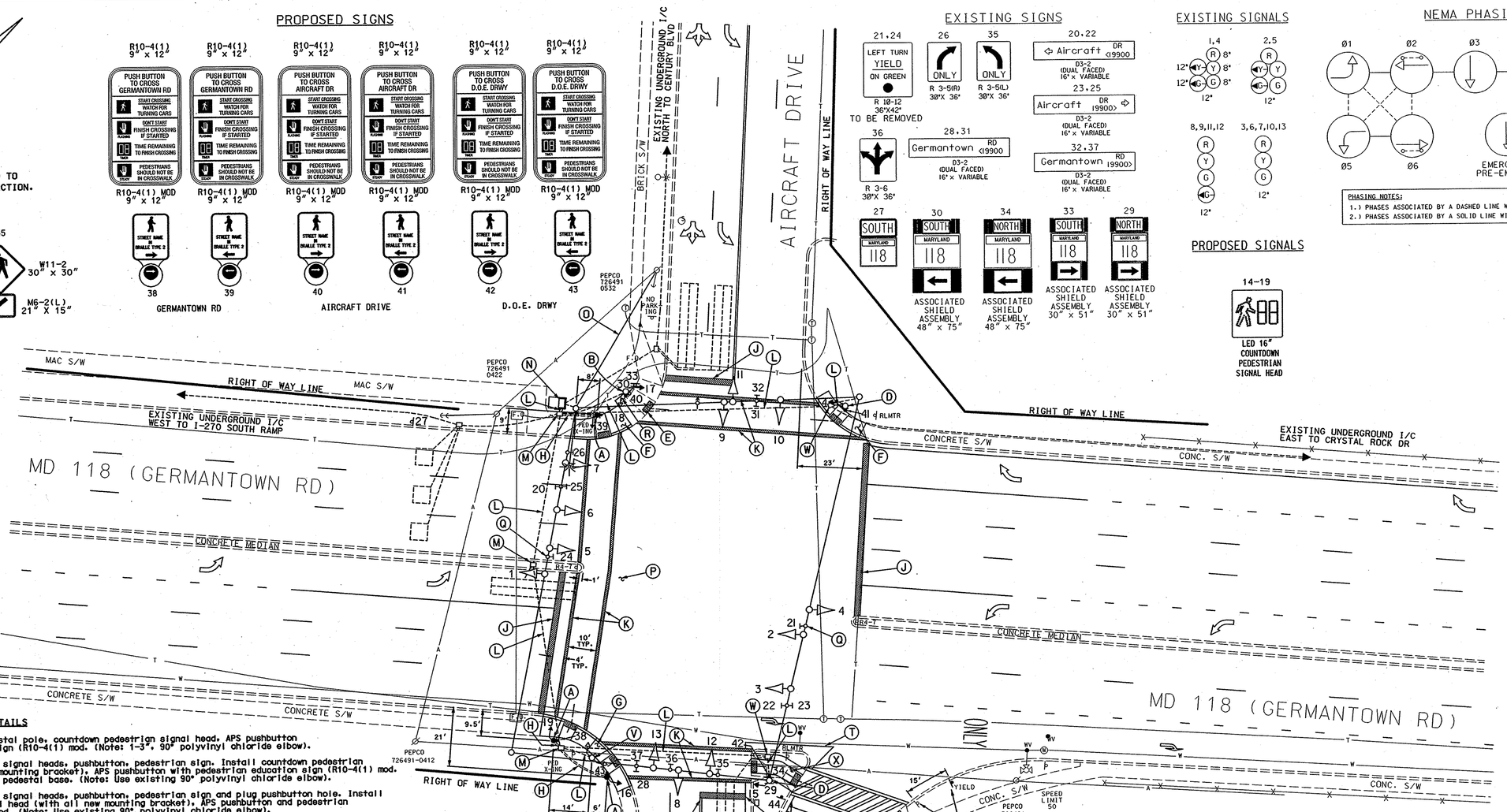
NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø3 ALT Ø5 Ø6 EMERGENCY PRE-EMPTION FLASHING OPERATION

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

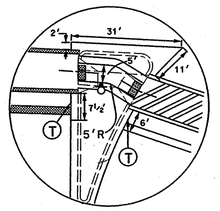
PROPOSED SIGNALS

14-19 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD



INSET "A"
SCALE: 1"=30'

INSET "B"
SCALE: 1"=20'



CONSTRUCTION DETAILS

A. Install 10' breakaway pedestal pole, countdown pedestrian signal head, APS pushbutton and pedestrian education sign (R10-4(1) mod. (Note: 1-3", 90° polyvinyl chloride elbow).

B. Remove existing pedestrian signal heads, pushbutton, pedestrian sign. Install countdown pedestrian signal head (with all new mounting bracket), APS pushbutton with pedestrian education sign (R10-4(1) mod. Replace existing breakaway pedestal base. (Note: Use existing 90° polyvinyl chloride elbow).

C. Remove existing pedestrian signal heads, pushbutton, pedestrian sign and plug pushbutton hole. Install countdown pedestrian signal head (with all new mounting bracket), APS pushbutton and pedestrian education sign (R10-4(1) mod. (Note: Use existing 90° polyvinyl chloride elbow).

D. Remove existing pedestrian signal head, pushbutton, pedestrian sign and install countdown pedestrian signal head, APS pushbutton with pedestrian education sign (R10-4(1) mod. (Note: Use existing 90° polyvinyl chloride elbow).

E. Install proposed detectable warning surface at existing handicap ramp.

F. Install proposed handicap ramp with detectable warning surface. (Std No. MD 655.12)

G. Install proposed handicap ramps with detectable warning surface.(Std No. MD 655.12)

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

J. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)

K. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)

L. Use existing conduit.

M. Use existing handhole.

N. Use existing base-mounted cabinet and controller.

O. Existing overhead service maintained by PEPCO.

P. Contractor shall remove existng crosswalk and stopline for the eastbound approach of MD 118.

Q. Contractor shall remove overhead sign.

R. Install concrete pad as shown (See Inset "A").

S. Relocate existing ground mounted "Yield" sign as shown.

T. Install 5" white lead free thermoplastic edge line as shown. (See Inset "B").

U. Remove existing stopbar.

V. Remove existing pedestal pole and all attached signal equipment. Cap and abandon existing conduit.

W. Adjust handhole to final grade of proposed handicapped ramp.

X. Remove existing handicapped ramp and sidewalk. Install depressed island opening (Std No. MD 655.21) with detectable warning surfaces. (See Inset "B")

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.
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. The contractor shall remove all unused wiring.

TOD No.: AT782-43
SHA No.:MO574A5C/B5C

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—

REVISION "E"

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Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-5537
5047.dgn D6-77

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

REVISIONS
E 8/8/06 INSTALL APS AND COUNTDOWN PEDESTRIAN SIGNAL HEADS SHA# AT782518S RRZ
D 2/22/96 INSTALL CROSSWALKS, ADA RAMPS, SIGNING, LOOPS, AND STREET LIGHTING
C MARCH 1993 S.B. MD 120 LANE LOOPS
W.J.C.

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 118 AT AIRCRAFT DRIVE/
DEPARTMENT OF ENERGY

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE CONTRACT NO.

DESIGNED BY McDOT COUNTY MONTGOMERY
DRAWN BY McDOT LOGMILE 15011805.87
CHECKED BY McDOT TIMS NO. H431
F.A.P. NO. TOD NO.

TS NO. 2005E | DRAWING NO. 1 OF 2 | SHEET NO. OF

$:\SHA\5047\5047.dgn Aug 08, 2006 14:04:20