NOTE: MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS

13: LEFT TURN YIELD ON GREEN

14: Hewitt AVE <3500

12: Hewitt AVE 3500>

EXISTING SIGNS TO BE REMOVED

PUSH BUTTON TO CROSS GEORGIA AVE
START CROSSING WATCH FOR TURNING CARS
DON'T START FINISH CROSSING IF STARTED
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

PROPOSED SIGNS

8a, 9a, 11a, 10a

PUSH BUTTON TO CROSS HEWITT / PUSH BUTTON TO CROSS GEORGIA
START CROSSING WATCH FOR TURNING CARS
DON'T START FINISH CROSSING IF STARTED
TIME REMAINING TO FINISH CROSSING
PEDESTRIANS SHOULD NOT BE IN CROSSWALK
STREET NAME IN BRAILLE TYPE 2

R10-3(1) 9" x 15"

EXISTING SIGNALS

3,4: R, Y, G, Y, G

1,2,5,6,7: R, Y, G

EXISTING SIGNAL HEADS TO BE REMOVED

PROPOSED SIGNAL HEADS

8-11

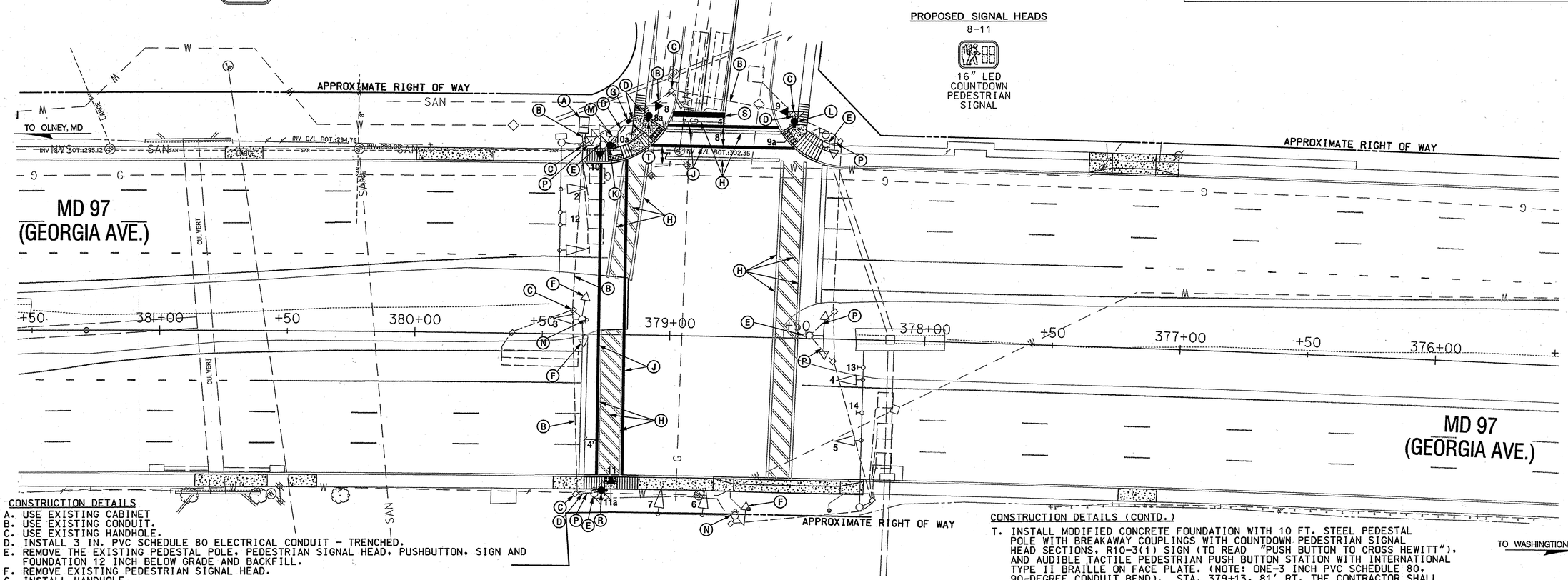
16" LED COUNTDOWN PEDESTRIAN SIGNAL

NEMA PHASING

Ø1, Ø2, Ø4, Ø6, Ø4 ALT

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. USE EXISTING CABINET
B. USE EXISTING CONDUIT.
C. USE EXISTING HANDHOLE.
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
E. REMOVE THE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, SIGN AND FOUNDATION 12 INCH BELOW GRADE AND BACKFILL.
F. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD.
G. INSTALL HANDHOLE.
H. REMOVE EXISTING PAVEMENT MARKINGS.
J. INSTALL 12 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
K. INSTALL MODIFIED CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAYCOUPLINGS WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS GEORGIA"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 INCH PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 379+23, 74' RT. THE CONTRACTOR SHALL HAND DIG TO INSTALL THE CONCRETE FOUNDATION DUE TO THE PRESENCE OF UNDERGROUND UTILITIES. SEE SPECIAL NOTE.
L. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS HEWITT"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 INCH PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 378+53, 86' RT.
M. REMOVE ABANDONED SIGNAL POLE AND FOUNDATION 12 INCHES BELOW GRADE. PRIOR TO REMOVAL OF THE POLE, VERIFY THAT THE SERVICE FEED AND THE METER WERE REMOVED.
N. REMOVE PEDESTRIAN PUSH BUTTON AND SIGN. SIGNAL INDICATIONS SHALL REMAIN.
P. CAP AND ABANDON EXISTING CONDUIT.
R. INSTALL MODIFIED CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS GEORGIA"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 INCH PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 379+26, 61' LT. THE CONTRACTOR SHALL HAND DIG THE CONCRETE FOUNDATION DUE TO PRESENCE OF UNDERGROUND UTILITIES.
S. INSTALL 24 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

CONSTRUCTION DETAILS (CONTD.)

T. INSTALL MODIFIED CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS HEWITT"), AND AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 INCH PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 379+13, 81' RT. THE CONTRACTOR SHALL HAND DIG TO INSTALL THE CONCRETE FOUNDATION, DUE TO PRESENCE OF UNDERGROUND UTILITIES.

PEDESTRIAN POLE "K" SPECIAL NOTE:

DUE TO THE PROXIMITY OF THE PROPOSED PEDESTAL POLE AND THE EXISTING PEDESTAL POLE, IT MAY NOT BE POSSIBLE TO INSTALL THE NEW POLE WITHOUT REMOVING THE EXISTING POLE. IF SO A MAXIMUM OF 24-HOUR OUTAGE WILL BE ALLOWED BEFORE THE NEW POLE IS MADE OPERATIONAL.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
SAN — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
FO — FIBER-OPTIC

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APPROVALS
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ASST. CHIEF TRAFFIC ENGINEERING DIVISION
CHIEF TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY
ORIGINAL ON FILE

REVISIONS
(C) 9-2-2008 SHA # MOS326193 APSCPS UPGRADES & RELOCATE THE CROSSWALK TO NORTH LEG — SWA
(B) 12-17-99 REBUILD USING MAST ARM SHA # — RRZ
(A) 1-23-75 ASSBUILT SHA # M-973-X-385 — RRZ

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (GEORGIA AVENUE) AND HEWITT AVENUE

ASPEN HILL, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 7/2/73 CONTRACT NO.

DESIGNED BY D. LEONARDI COUNTY MONTGOMERY
DRAWN BY GORDAN LOGMILE 15009706.42
CHECKED BY T.I.M.S. NO. J203
F.A.P. NO. TOD NO.

TS NO. 973 C | DRAWING PSG OF P003 | SHEET NO. 5 OF 6

PLOTTED: Wednesday, September 03, 2008 AT 03:20 PM
FILE: R:\2006\98 BCS 2005-18D PREL ENG DES SVC WRA $200K\Task 2\DWG\Signals\gSG-P003_MD97.dgn

BY: jpaladugu