DRILL HOLES

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BORDER REV. DATE: June 1, 2004

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

PROPOSED SIGNS

27 NORTH MARYLAND 97 — M3-1 30"x 15", M1-5 36"x 36", M5-2 30"x 24"
ASSOCIATED SHIELD ASSEMBLY 36" x 75"

25 SOUTH MARYLAND 97 — M3-3 30"x 15", M1-5 36"x 36", M5-2 30"x 24"
ASSOCIATED SHIELD ASSEMBLY 36" x 75"

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS GEORGIA AVENUE — START CROSSING WAIT FOR TURNING CARS; SLOW TO START FINISH CROSSING; ALTERNATE TIME REMAINING TO PEDESTRIANS; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2
35.37 GEORGIA AVENUE; 36.38 GEORGIA AVENUE

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS ROSSMOOR BOULEVARD — START CROSSING WAIT FOR TURNING CARS; SLOW TO START FINISH CROSSING; ALTERNATE TIME REMAINING TO PEDESTRIANS; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2
39 ROSSMOOR BOULEVARD; 40 ROSSMOOR BOULEVARD

41 R4-7 24" x 30"

EXISTING SIGNS TO BE REMOVED

21.23 LEFT TURN SIGNAL R10-10L 24" x 30"

EXISTING SIGNS

19.29 W11-2 30" x 30" — W16-7p(R) 24" x 12" B/Y
20.30 W11-2 30" x 30" — W16-7p(L) 24" x 12" B/Y

31b.34a Georgia Ave <15000> | 31a.34b Georgia Ave <15000
D3-2 VAR x 16" DUAL-FACED

22a.24b Rossmoor Blvd 3800> | 22b.24a Rossmoor Blvd <3800
D3-2 VAR x 16" DUAL-FACED

32 ONLY R3-5 30" x 36"
33 R3-6 30" x 36"

26 SOUTH MARYLAND 97 — M3-3 24" x 12", M1-5 24" x 24", M6-1 21" x 15"

28 NORTH MARYLAND 97 — M3-1 24" x 12", M1-5 24" x 24", M6-1 21" x 15"

PROPOSED SIGNALS

1,2,5,6 (R, Y, G) 12" — 9,11 (R, Y, G) 12" — 3,4,7,8,10,12 (R, Y, G)

13-18 LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

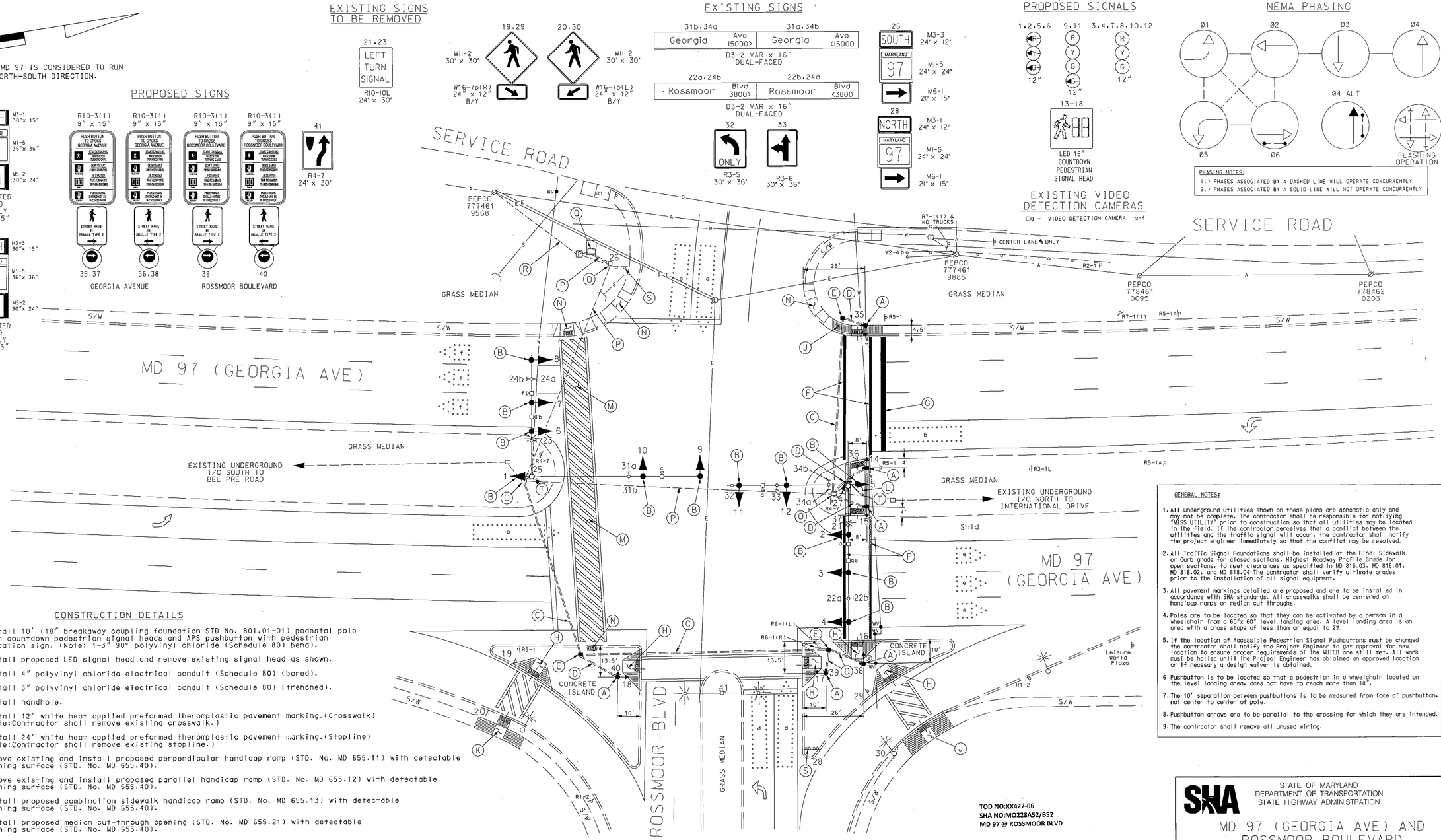
NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø4 ALT 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

EXISTING VIDEO DETECTION CAMERAS

VIDEO DETECTION CAMERA



CONSTRUCTION DETAILS

A. Install 10' (18" breakaway coupling foundation STD No. 801.01-01) 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 proposed LED signal head and remove existing signal head as shown.

C. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

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

E. Install handhole.

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

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

H. Remove existing and install proposed perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40).

J. Remove existing and install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

K. Install proposed combination sidewalk handicap ramp (STD. No. MD 655.13) with detectable warning surface (STD. No. MD 655.40).

L. Install proposed median cut-through opening (STD. No. MD 655.21) with detectable warning surface (STD. No. MD 655.40).

M. Remove existing pavement markings.

N. Remove existing handicap ramp and replace with concrete sidewalk and standard curb.

O. Use existing handhole.

P. Use existing conduit.

Q. Use existing cabinet and controller.

R. Maintain existing underground electrical service.

S. Remove existing ground mounted sign and post.

T. Install Proposed Shield Assembly on mast arm pole as shown.

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. Poles are to be located so that they can be activated by a person in a wheelchair from a 60"x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.

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.

6 Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".

7. The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.

8. Pushbutton arrows are to be parallel to the crossing for which they are intended.

9. The contractor shall remove all unused wiring.

TOD NO:XX427-06
SHA NO:MO228A52/B52
MD 97 @ ROSSMOOR BLVD

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A —
ELECTRIC — E —
TELEPHONE — T —
GAS — G —
SEWER — S —
WATER — W —
CABLE TV — TV —

REVISION "E"
STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.,NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637
5674.DGN T-222

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

REVISIONS
E 5/11/09 INSTALL APS, CPS, NORTH & EAST LEGS, LED SIGNAL HEADS SHA NO.: XX427SIB5 JWA
D 1/7/2005 REBUILD SIGNAL AND CHANGE N/B & S/B MD 97 FROM EP TO EXCLUSIVE LEFTS SHA NO.: A1B045B5 JWA WM JAH DAZ BRK
C 4/24/2001 ASBUILT SHA NO.: BW109M83

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 97 (GEORGIA AVE) AND ROSSMOOR BOULEVARD

NORBECK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE CONTRACT NO.
DESIGNED BY COUNTY MONTGOMERY
DRAWN BY LOGMILE 15009708.25
CHECKED BY TIMS NO. 1851
F.A.P. NO. TOD NO.
TS NO. 1928E DRAWING NO. 1 OF 2 SHEET NO. OF

PLOTTED: WEDNESDAY, MAY 20, 2009 AT 2:42:48 PM
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