DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROPOSED SIGNS

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

21 — Georgia AVE <11100 — D3-2 VARIABLE X 16"

17 — ⇦ Viers Mill RD <11100 — D3-2 VARIABLE X 16"

18 — Prichard RD 2300> ⇨ — D3-2 VARIABLE X 16"

19 — ⇦ Prichard RD <2300 — D3-2 VARIABLE X 16"

20,22 — NO TURN ON RED — R10-11b 24" x 24"

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS VEIRS MILL RD — 23

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS VEIRS MILL RD — 24

MD 586 (VEIRS MILL RD)

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS GEORGIA AVE — 28

R10-3(1) 9" x 15" — PUSH BUTTON TO CROSS GEORGIA AVE — 25,26,27

MD 97 (GEORGIA AVE)

29 — STOP HERE ON RED — R10-6(MOD) 24" x 30"

EXISTING SIGNS

29 — SOUTH MARYLAND 97 — ASSOCIATED SHIELD ASSEMBLY

30 — WEST MARYLAND 586 — ASSOCIATED SHIELD ASSEMBLY

31 — WEST MARYLAND 586 — ASSOCIATED SHIELD ASSEMBLY

32 — NOTICE STOP FOR PEDESTRIANS at ALL CROSSWALKS STATE LAW (DUAL FACED)

PROPOSED SIGNALS

1 5,3,4,7-10 — R Y G — 12"

1,2,X,X 1 — 12"

11-16 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

■◄ – VIDEO DETECTION CAMERA (a-d)

NEMA PHASING

Ø1 Ø2 Ø6

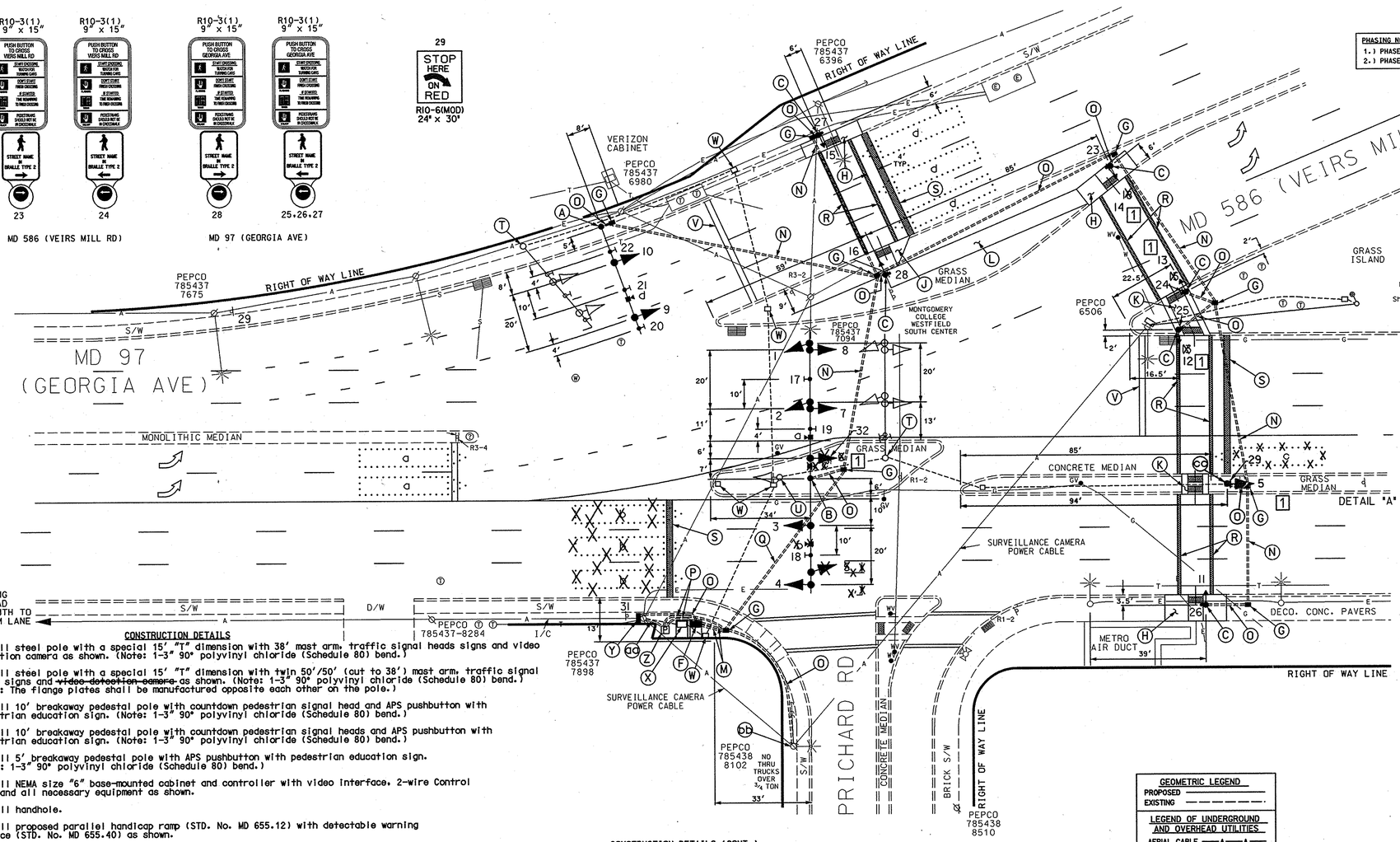
1 Ø1 ALT

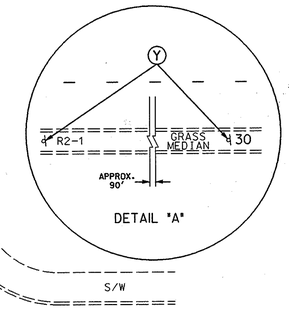
FLASHING OPERATION

PHASING NOTES:

1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY





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 to face of pushbutton..
8. The contractor shall remove all unused wiring.

CONSTRUCTION DETAILS

A. Install steel pole with a special 15' "T" dimension with 38' mast arm, traffic signal heads signs and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

1 B. Install steel pole with a special 15' "T" dimension with twin 50'/50' (cut to 38') mast arm, traffic signal heads signs and ~~video detection camera~~ as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.) (Note: The flange plates shall be manufactured opposite each other on the pole.)

C. 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.)

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

E. Install 5' breakaway pedestal pole with APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

F. Install NEMA size "6" base-mounted cabinet and controller with video interface, 2-wire Control unit and all necessary equipment as shown.

G. Install handhole.

H. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40) as shown.

J. Install proposed perpendicular handicap ramp (STD. No. MD 655.11) with detectable warning surface (STD. No. MD 655.40) as shown.

K. Install median cut through (STD No. MD 655.21) with detectable warning surface (STD. No. MD 655.40) as shown.

L. Install 6" concrete sidewalk as shown.

M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

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

P. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched)

Q. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

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

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

T. Remove existing steel pole, foundation 12' below grade and all attached equipment.

CONSTRUCTION DETAILS (CONT.)

U. Remove existing pedestal pole, foundation 12' below grade and all attached equipment.

V. Remove existing stop bar pavement marking.

W. Remove existing handhole. Cap and abandon existing conduit.

X. Remove existing base mounted cabinet and foundation. (Note: SHA shall remove controller and auxilliary equipment).

Y. Reverse location of R2-1 sign and associated shield assembly sign (sign # 30) as shown in Detail "A".

Z. Install metered pedestal.

aa. Use existing handhole.

bb. Install 3" PVC riser on existing wood pole.

1 cc. Remove existing handhole and install 20' breakaway pedestal pole with signal head and sign as shown.

1 REDLINE REVISION 6/6/08

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 "A"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

5292.dgn T-83

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

REVISIONS					
A	RECONSTRUCT TRAFFIC SIGNAL. ADD APS AND CPS. SHA NO.: M22625185	1	PHASE CHANGE	6-18-07	
JWA					

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 97 (GEORGIA AVE) AND MD 586 (VEIRS MILL RD) / PRICHARD ROAD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE _____ CONTRACT NO. M-826-378

DESIGNED BY MONTGOMERY CO. COUNTY MONTGOMERY
DRAWN BY MONTGOMERY CO. LOGMILE 15009702.15
CHECKED BY MONTGOMERY CO. TIMS NO. H601
F.A.P. NO. AC-STPG-000A(241)E TOD NO. _____

TS NO. 213 A | DRAWING NO. 1 OF 3 | SHEET NO. 25 OF 42

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