MD 119 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

26,29 — Wisteria Dr — D3-2 VARIABLE X 16"

31,36 — Great Seneca Hwy — D3-2 VARIABLE X 16"

32 — ONLY — R3-5R 30" x 36"

33,38 — SI-1 36" x 36" — FINES DOUBLED 6am - 3pm SCHOOL DAYS

35 — NORTH / MARYLAND 119 — M3-1 24" x 12", M1-5 30" x 24", M6-1 21" x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

30 — NORTH / MARYLAND 119 — M3-1 30" x 15", M1-5 48" x 36", M6-1 30" x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

37 — SOUTH / MARYLAND 119 — M3-3 30" x 15", M1-5 48" x 36", M6-1 30" x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

PROPOSED SIGNS

R10-3(1) 9" x 15" — 40,42 — GREAT SENECA HWY

R10-3(1) 9" x 15" — 41,43 — GREAT SENECA HWY

R10-3(1) 9" x 15" — 44,46 — WISTERIA DRIVE

R10-3(1) 9" x 15" — 45,47 — WISTERIA DRIVE

25 — DO NOT ENTER — R5-1 30"x 30" — GROUND MOUNTED

23,28 — SI-1 36" x 36", M6-2 21" x 15" — GROUND MOUNTED

24,27,34,39 — SI-1 36" x 36", M6-2 21" x 15" — GROUND MOUNTED

EXISTING SIGNALS

1,2,5,6 3,4,7,8,10,11,13,14 — R Y G — 12" 12"

□4 - VIDEO DETECTION CAMERA (a-d)

PROPOSED SIGNALS

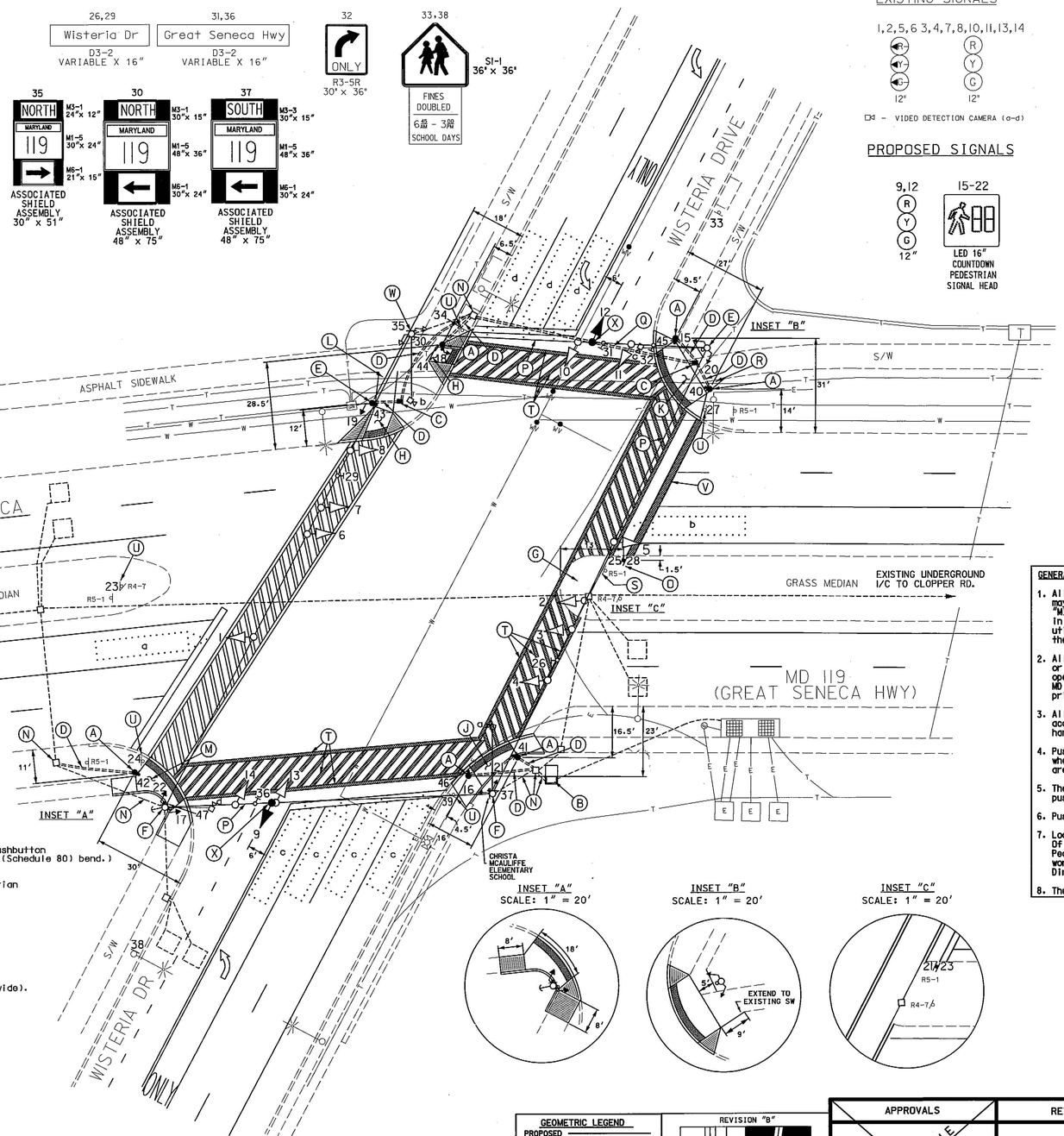
9,12 — R Y G — 12"

15-22 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

NEMA PHASING

Ø1 Ø2 Ø4 Ø4 ALT Ø5 Ø6 Ø8 Ø8 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



INSET "A" SCALE: 1" = 20'

INSET "B" SCALE: 1" = 20'

INSET "C" SCALE: 1" = 20'

CONSTRUCTION DETAILS

A. Install 5' pedestal pole, with audible pushbutton and pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Use existing cabinet and controller. (Note: Montgomery County shall install 2-wire Control Unit into cabinet).

C. Install handhole.

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

E. Install 10' pedestal pole with Countdown pedestrian signal heads,audible pushbutton and pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

F. Remove existing pedestrian signal heads, pushbutton, pedestrian education sign and plug existing pushbutton hole. Install Countdown pedestrian signal heads audible pushbutton and pedestrian education sign as shown.

G. Install 4" concrete sidewalk as shown.

H. Install proposed perpendicular handicapped ramp (Std. No. MD 655.11) with detectable warning surface. (Std No. MD 655.40).

J. Install proposed parallel handicapped ramp (Std. No. MD 655.12) with detectable warning surface. (Std No. MD 655.40).

K. Install proposed perpendicular handicapped ramp (Std. No. MD 655.11) with detectable warning surface. (Std No. MD 655.40). (Note: Ramp shall be 20' wide).

L. Remove existing sidewalk and install new 4" concrete sidewalk.

M. Instal handicapped ramp as shown. See Inset "A".

N. Use existing conduit / handhole.

O. Install ground mounted signs as shown.

P. Use existing span wire.

Q. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

R. Install concrete sidewalk. See Inset "B".

S. Remove existing ground mounted "DO NOT ENTER" sign.

T. Remove existing crosswalk and Install 12" and install 12" white heat applied permanent preformed thermoplastic pavement marking. (Crosswalk) (Note: Contractor shall grind existing crosswalk pavement marking.)

U. Contractor shall remove existing S1-1 sign and replace with Proposed sign as shown.

V. Remove existing 24" white heat applied permanent preformed, thermoplastic pavement marking.(Stopline) (Note: Contractor shall grind existing stopline.)

W. Remove existing pedestrian signal heads, pushbutton, pedestrian education sign from existing strain and plug existing pushbutton hole.

X. Install proposed LED signal head on existing span wire 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. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.

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

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

7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements Of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design Waiver is obtained, approved by the Director, Office of Traffic and Safety.

8. The contractor shall remove all unused wiring.

TOD NO: AT910-24
SHA NO: MO579A5C/B5C
MD118AND MD119

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 119 (GREAT SENECA HIGHWAY) AND WISTERIA DRIVE

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 3-24-99 CONTRACT NO.

DESIGNED BY R.A.C./R.R.Z. COUNTY MONTGOMERY
DRAWN BY D. NIES LOGMILE 15011907.19
CHECKED BY TIMS NO. I118
F.A.P. NO. TOD NO.

TS NO. 4625B | DRAWING NO. 1 OF 2 | SHEET NO. 7 OF

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 "B"
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5331C.dgn T-101

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

REVISIONS
B 10-23-07 INSTALL CPS & APS PEDS ACROSS ALL LEGS SHA NO.: AT9105185 JWA
A REPLACE POLE ON S/W QUADRANT AND REWIRE SIGNALS SHA NO.: RRZ

PLOTTED: @DATETIME@
FILE: @FILE@

DRILL HOLES
DRILL HOLES
DRILL HOLES

BORDER REV: DATE: June 1, 2004

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