EXISTING SIGNS

27a,29b — Wisteria Dr <12900 | 27b,29a — Wisteria Dr 12900>
D3-2 (DUAL-FACED) VARIABLE X 16"

32a,37b — Germantown Rd 19600> | 32a,37b — Germantown Rd <19600
D3-2 (DUAL-FACED) VARIABLE X 16"

MD 118 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

35.36 — ONLY — R3-5(L) 30" X 36"
33 — NORTH MARYLAND 118
34 — SOUTH MARYLAND 118
31 — NORTH MARYLAND 118
30 — SOUTH MARYLAND 118

REMOVE — LEFT TURN YIELD ON GREEN

EXISTING SIGNAL HEADS

9,10, 13,14,15 — 12"
11,12, 16,17 — 12"
(a,b) — EXISTING VIDEO DETECTION CAMERA
a — EXISTING VIDEO DETECTION ZONE

PROPOSED LED SIGNAL HEADS

1,2, 5,6 — 12"
3,4, 7,8 — 12"
DETECTABLE WARNING SURFACE
18-25 — 16" COUNTDOWN

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø4 ALT Ø5 Ø6 Ø8 Ø8 ALT

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

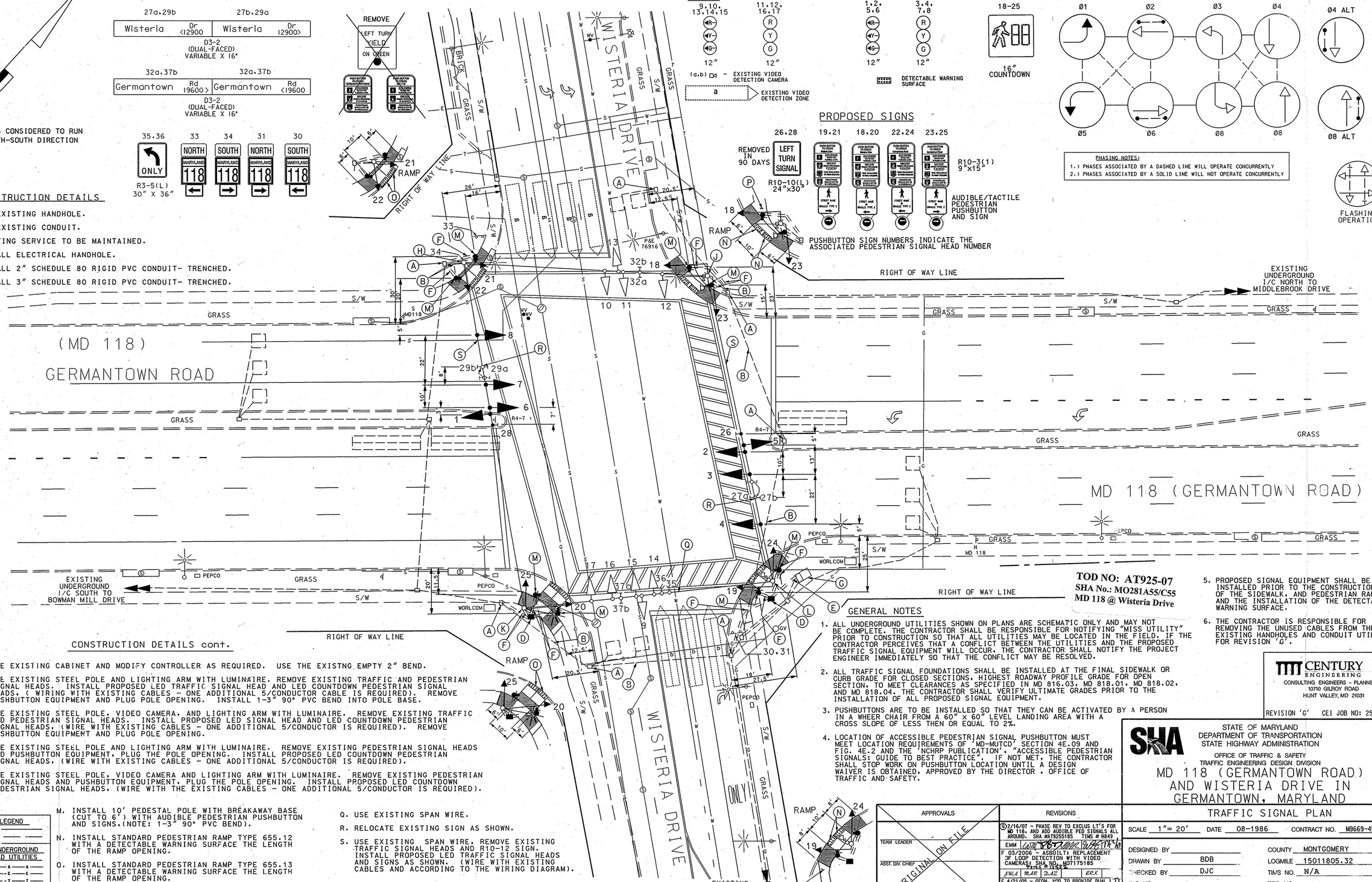
FLASHING OPERATION

PROPOSED SIGNS

26,28 — REMOVED IN 90 DAYS — LEFT TURN SIGNAL — R10-10(L) 24"x30"
19,21 18,20 22,24 23,25 — R10-3(1) 9"x15" — AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND SIGN
PUSHBUTTON SIGN NUMBERS INDICATE THE ASSOCIATED PEDESTRIAN SIGNAL HEAD NUMBER

CONSTRUCTION DETAILS

A. USE EXISTING HANDHOLE.
B. USE EXISTING CONDUIT.
C. EXISTING SERVICE TO BE MAINTAINED.
D. INSTALL ELECTRICAL HANDHOLE.
E. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.
F. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.



CONSTRUCTION DETAILS cont.

G. USE EXISTING CABINET AND MODIFY CONTROLLER AS REQUIRED. USE THE EXISTNG EMPTY 2" BEND.

H. USE EXISTING STEEL POLE AND LIGHTING ARM WITH LUMINAIRE. REMOVE EXISTING TRAFFIC AND PEDESTRIAN SIGNAL HEADS. INSTALL PROPOSED LED TRAFFIC SIGNAL HEAD AND LED COUNTDOWN PEDESTRIAN SIGNAL HEADS. (WIRING WITH EXISTING CABLES – ONE ADDITIONAL 5/CONDUCTOR CABLE IS REQUIRED). REMOVE PUSHBUTTON EQUIPMENT AND PLUG POLE OPENING. INSTALL 1-3" 90° PVC BEND INTO POLE BASE.

J. USE EXISTING STEEL POLE, VIDEO CAMERA, AND LIGHTING ARM WITH LUMINAIRE. REMOVE EXISTING TRAFFIC AND PEDESTRIAN SIGNAL HEADS. INSTALL PROPOSED LED SIGNAL HEAD AND LED COUNTDOWN PEDESTRIAN SIGNAL HEADS. (WIRE WITH EXISTING CABLES – ONE ADDITIONAL 5/CONDUCTOR IS REQUIRED). REMOVE PUSHBUTTON EQUIPMENT AND PLUG POLE OPENING.

K. USE EXISTING STEEL POLE AND LIGHTING ARM WITH LUMINAIRE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON EQUIPMENT, PLUG THE POLE OPENING. INSTALL PROPOSED LED COUNTDOWN PEDESTRIAN SIGNAL HEADS. (WIRE WITH EXISTING CABLES – ONE ADDITIONAL 5/CONDUCTOR IS REQUIRED).

L. USE EXISTING STEEL POLE, VIDEO CAMERA AND LIGHTING ARM WITH LUMINAIRE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON EQUIPMENT, PLUG THE POLE OPENING. INSTALL PROPOSED LED COUNTDOWN PEDESTRIAN SIGNAL HEADS. (WIRE WITH THE EXISTING CABLES – ONE ADDITIONAL 5/CONDUCTOR IS REQUIRED).

M. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE (CUT TO 6') WITH AUDIBLE PEDESTRIAN PUSHBUTTON AND SIGNS.(NOTE: 1-3" 90° PVC BEND).

N. INSTALL STANDARD PEDESTRIAN RAMP TYPE 655.12 WITH A DETECTABLE WARNING SURFACE THE LENGTH OF THE RAMP OPENING.

O. INSTALL STANDARD PEDESTRIAN RAMP TYPE 655.13 WITH A DETECTABLE WARNING SURFACE THE LENGTH OF THE RAMP OPENING.

P. REMOVE AND INSTALL CONCRETE SIDEWALK.

Q. USE EXISTING SPAN WIRE.

R. RELOCATE EXISTING SIGN AS SHOWN.

S. USE EXISTING SPAN WIRE. REMOVE EXISTING TRAFFIC SIGNAL HEADS AND R10-12 SIGN. INSTALL PROPOSED LED TRAFFIC SIGNAL HEADS AND SIGNS AS SHOWN. (WIRE WITH EXISTING CABLES AND ACCORDING TO THE WIRING DIAGRAM).

GENERAL NOTES

1. ALL UNDERGROUND UTILITIES SHOWN ON 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 PROPOSED TRAFFIC SIGNAL EQUIPMENT 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 SECTION. 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 PROPOSED SIGNAL EQUIPMENT.
3. PUSHBUTTONS ARE TO BE INSTALLED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEER CHAIR FROM A 60" x 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THEN OR EQUAL TO 2%.
4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTON MUST MEET LOCATION REQUIREMENTS OF 'MD-MUTCD', SECTION 4E.09 AND FIG. 4E.2 AND THE 'NCHRP PUBLICATION', "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR SHALL STOP WORK ON PUSHBUTTON LOCATION UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR , OFFICE OF TRAFFIC AND SAFETY.
5. PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE SIDEWALK, AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF THE DETECTABLE WARNING SURFACE.
6. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE UNUSED CABLES FROM THE EXISTING HANDHOLES AND CONDUIT UTILIZED FOR REVISION 'G'.

TOD NO: AT925-07
SHA No.: MO281A55/C55
MD 118 @ Wisteria Drive

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

BY: emilesky

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

REVISIONS
G 2/16/07 – PHASE REV TO EXCLUS LT'S FOR MD 118, AND ADD AUDIBLE PED SIGNALS ALL AROUND. SHA #AT925185 TIMS # N849 — EMM
F 03/2006 – ASBUILT: REPLACEMENT OF LOOP DETECTION WITH VIDEO CAMERAS; SHA NO. MO7175185 TIMS # 0332 — MAR DAZ BRK
E 4/21/05 – GEOM. MOD TO PROVIDE DUAL LT: E/B WISTERIA & PHASING CHANGE TO EXCLUS FOR WISTERIA DR. TIMS NO. 0494 — WJ KP MAR DAZ BRK

PLOTTED: Friday, February 16, 2007 AT 09:45 AM
FILE: O:\TRANSDWG\25003\25003.51 MD 118 @ WISTERIA DRIVE\MSG P001_MD118&WISTERIA DRIVE.DGN

CENTURY ENGINEERING
CONSULTING ENGINEERS – PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
REVISION 'G' CEI JOB NO: 25003.51

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

MD 118 (GERMANTOWN ROAD) AND WISTERIA DRIVE IN GERMANTOWN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' | DATE 08-1986 | CONTRACT NO. M9669-452-371
DESIGNED BY | COUNTY MONTGOMERY
DRAWN BY BDB | LOGMILE 15011805.32
CHECKED BY DJC | TIMS NO. N/A
FAP NO. | TOD NO.
TS NO 2002 G | DRAWING – 1 OF 1 | SHEET NO. OF