EXISTING SIGNS TO REMAIN

41a, 42a — Wisteria DR <12900 — D-3(1) DUAL FACED VAR X 16"

40a — Germantown RD <19600 — D-3(1) DUAL FACED VAR X 16"

41b, 42b — Wisteria DR 12900> — D-3(1) DUAL FACED VAR X 16"

40b — Germantown RD 19600> — D-3(1) DUAL FACED VAR X 16"

PROPOSED SIGN

44 — SOUTH MARYLAND 118 — M1-5(6) (48"X72")

45 — NORTH MARYLAND 118 — M1-5(6) (48"X72")

46 — SOUTH MARYLAND 118 — M1-5(6) (30"X36")

39 — NORTH MARYLAND 118 — M1-5(6) (30"X36")

36,37,38,43,48 — ONLY — R3-5 (30"X36")

MD 118 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

55,56 — ONLY (30"X36")

49,50 — LEFT TURN SIGNAL (24"X30")

51 — SOUTH MARYLAND 118 (24"X12") (30"X36") (21"X15")

52 — NORTH MARYLAND 118 (24"X12") (30"X36") (21"X15")

53 — SOUTH MARYLAND 118 (24"X12") (30"X36") (21"X15")

47 — NORTH MARYLAND 118 (24"X12") (30"X36") (21"X15")

EXISTING SIGNS TO BE RELOCATED

35a — Germantown RD 19600> — D-3(1) DUAL FACED VAR X 16"

35b — Germantown RD <19600 — D-3(1) DUAL FACED VAR X 16"

EXISTING LED SIGNALS TO BE REMAIN

6,7 — 12"

8,9 — 12"

19,21-26 — 16"

PROPOSED LED SIGNALS

1,2,3,10,11, 14,15,16 — 12"

4,5,12, 13,17,18 — 12"

20 — 16"

EXISTING SIGNAL TO BE REMOVED

12" (7 EA.) 12" (6 EA.) 16" (1 EA.)

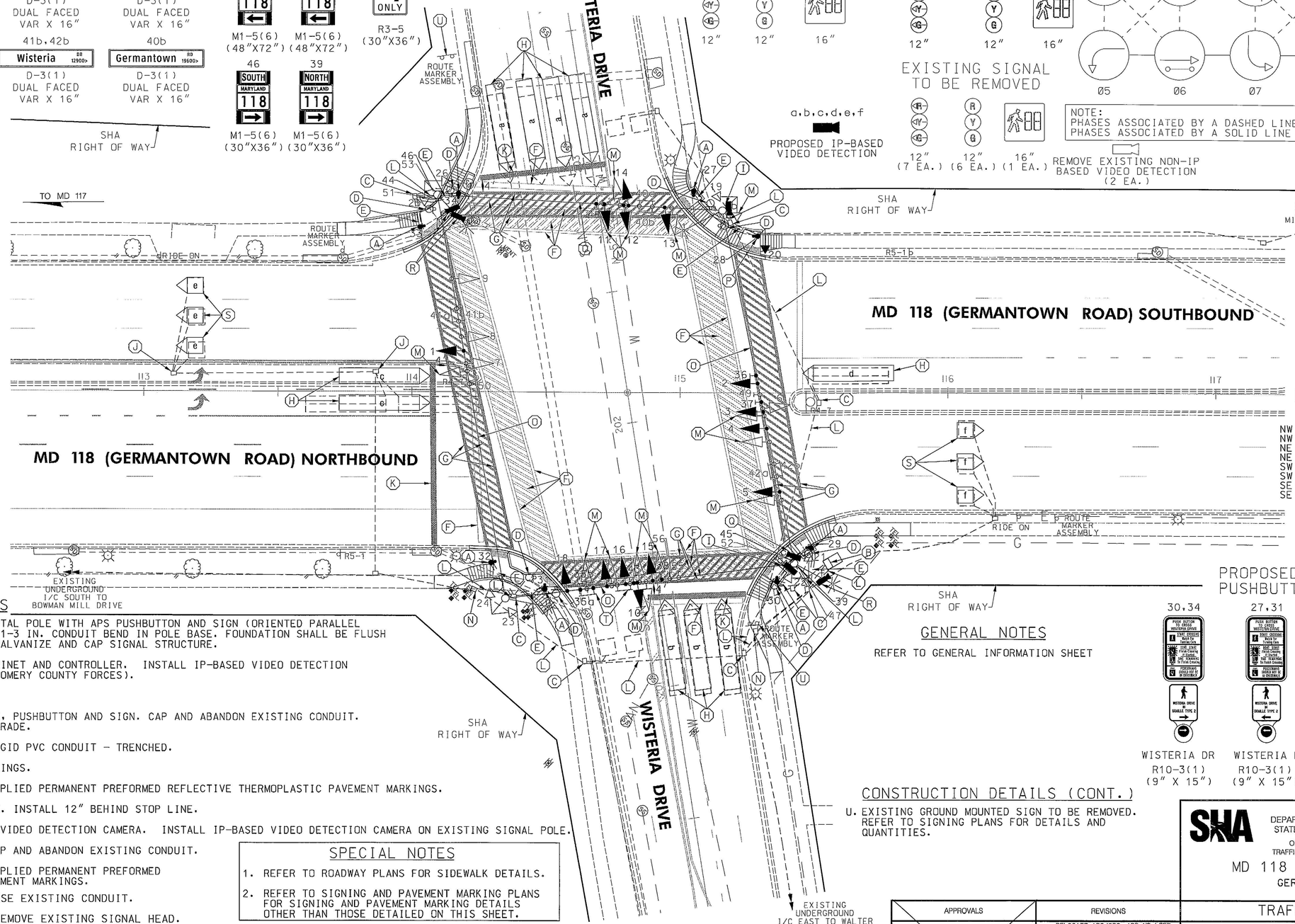
a,b,c,d,e,f — PROPOSED IP-BASED VIDEO DETECTION

REMOVE EXISTING NON-IP BASED VIDEO DETECTION (2 EA.)

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø4 ALT Ø5 Ø6 Ø7 Ø8 Ø8 ALT FLASHING OPERATION

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



CROSSWALK DETAIL

PROPOSED PEDESTAL POLE LOCATIONS

NW CORNER	STA. 115+29, 59.2'	LT
NW CORNER	STA. 115+05, 76.4'	LT
NE CORNER	STA. 115+49, 58.5'	RT
NE CORNER	STA. 115+36, 71.2'	RT
SW CORNER	STA. 114+17, 75.2'	LT
SW CORNER	STA. 114+03, 62.2'	LT
SE CORNER	STA. 114+30, 64.6'	RT
SE CORNER	STA. 114+50, 74.2'	RT

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

30,34 — WISTERIA DR — R10-3(1) (9" X 15")

27,31 — WISTERIA DR — R10-3(1) (9" X 15")

29,33 — GERMANTOWN RD — R10-3(1) (9" X 15")

28,32 — GERMANTOWN RD — R10-3(1) (9" X 15")

CONSTRUCTION DETAILS

A. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENTED PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. FOUNDATION SHALL BE FLUSH WITH SIDEWALK. CLEAN, CUT, GALVANIZE AND CAP SIGNAL STRUCTURE.

B. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT (BY MONTGOMERY COUNTY FORCES).

C. USE EXISTING HANDHOLE.

D. REMOVE EXISTING PEDESTAL POLE, PUSHBUTTON AND SIGN. CAP AND ABANDON EXISTING CONDUIT. REMOVE FOUNDATION 12" BELOW GRADE.

E. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

F. REMOVE EXISTING PAVEMENT MARKINGS.

G. INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.

H. PROPOSED VIDEO DETECTION ZONE. INSTALL 12" BEHIND STOP LINE.

I. REMOVE EXISTING NON-IP BASED VIDEO DETECTION CAMERA. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING SIGNAL POLE.

J. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUIT.

K. INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS.

L. USE EXISTING CONDUIT.

M. REMOVE EXISTING SIGNAL HEAD.

N. ADJUST EXISTING HANDHOLE TO FINAL GRADE.

O. USE EXISTING SPAN WIRE. INSTALL LED SIGNAL HEADS AND SIGNS.

P. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENTED PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. FOUNDATION SHALL BE FLUSH WITH SIDEWALK GRADE.

Q. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.

R. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING LUMINAIRE ARM.

S. PROPOSED SAMPLING VIDEO DETECTION ZONE.

T. RELOCATE EXISTING SPAN MOUNTED SIGN.

GENERAL NOTES

REFER TO GENERAL INFORMATION SHEET

CONSTRUCTION DETAILS (CONT.)

U. EXISTING GROUND MOUNTED SIGN TO BE REMOVED. REFER TO SIGNING PLANS FOR DETAILS AND QUANTITIES.

SPECIAL NOTES

1. REFER TO ROADWAY PLANS FOR SIDEWALK DETAILS.
2. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR SIGNING AND PAVEMENT MARKING DETAILS OTHER THAN THOSE DETAILED ON THIS SHEET.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

BY: BJG

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

REVISIONS
H RELOCATE APS/CPS. ADD NB LEFT TURN LANE M052151B7 K301 06-10
BJG
G PHASE REV TO EXCLUSIVE LT FOR MD 118. ADD APS PED SIGNALS SHA NO. AT9255185 H849 02-16-07
EMM WM DBD MAR WH TH
F REPLACEMENT OF LOOP DETECTION WITH VIDEO DETECTION CAMERAS SHA NO. M0717518S 03-06
JWA MAR DAZ BRK

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

MD 118 AT WISTERIA DRIVE
GERMANTOWN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE AUGUST 1986 CONTRACT NO. M9669-452-371

DESIGNED BY
DRAWN BY BDB
CHECKED BY DJC
FAP NO.
COUNTY MONTGOMERY COUNTY
LOGMILE 15011805.22
TIMS NO. N/A
TOD NO.

TS NO. 2002H DRAWING SP-3 OF 4 SHEET NO. 26 OF 35

PLOTTED: Tuesday, January 11, 2011 AT 09:04 AM
FILE: \\rkkm\v2008\2008\08148_lockdes\task 19_md118 @ middlebrook & wisteria\cadd\pSG-0003_MD118@Wisteria.dgn