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

EXISTING SIGNS TO BE REMOVED

55,56,57,58,60 — R3-5 (30"X36")

59 — R3-5(2) (60"X36")

EXISTING SIGNS TO REMAIN

37 — M1-5(6) (48"X72")

38 — M1-5(6) (48"X72")

39,40 — R3-5 (30"X36")

41b,42b — Middlebrook RD <12900> — D-3(1) DUAL FACED 92"X20"

41a,42a — Middlebrook RD <12900> — D-3(1) DUAL FACED 92"X20"

PROPOSED SIGN

51a,52a — Germantown RD <19700> — D-3(1) DUAL FACED 92"X20"

51b,52b — Germantown RD <19700> — D-3(1) DUAL FACED 92"X20"

43,44,45,46, 47,48,49,50 — R3-5 (30"X36")

53 — M1-5(6) (30"X48")

54 — M1-5(6) (30"X48")

TO MD 117

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

29,30 — GERMANTOWN ROAD R10-3(1) (9" X 15")

31,32 — GERMANTOWN ROAD R10-3(1) (9" X 15")

33,34 — MIDDLEBROOK ROAD R10-3(1) (9" X 15")

35,36 — MIDDLEBROOK ROAD R10-3(1) (9" X 15")

PROPOSED LED SIGNALS

1,2,3,6,7,8, 11,12,13, 16,17,18 — 12"

4,5,9, 10,14,15, 19,20 — 12"

21 — 16"

EXISTING LED SIGNALS TO REMAIN

22,23,24, 25,26,27,28 — 16"

a,b,c,d — EXISTING VIDEO DETECTION

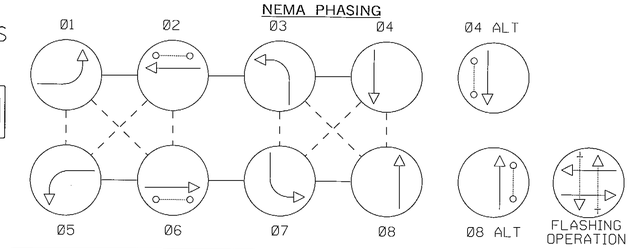
EXISTING SIGNALS TO BE REMOVED

12" (11 EA)

12" (8 EA)

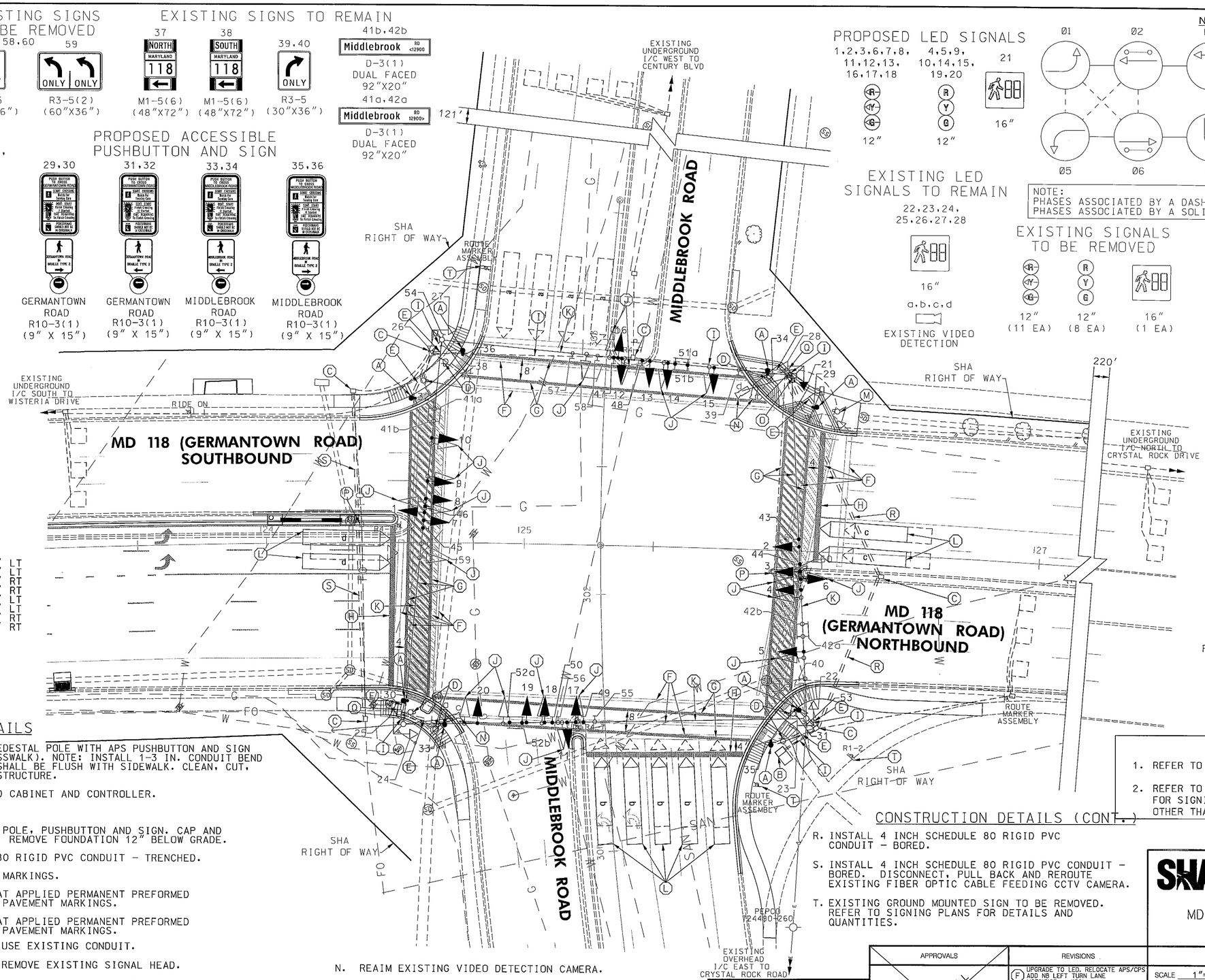
16" (1 EA)

NEMA PHASING



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

TO I-270



CROSSWALK DETAIL

45 — 24' — 8'

PROPOSED PEDESTAL POLE LOCATIONS

NW CORNER	STA. 126+11, 56.8'	LT
NW CORNER	STA. 125+92, 70.5'	LT
NE CORNER	STA. 126+09, 61.7'	RT
NE CORNER	STA. 125+99, 75.6'	RT
SW CORNER	STA. 124+56, 56.7'	LT
SW CORNER	STA. 124+75, 75.4'	LT
SE CORNER	STA. 124+53, 61.6'	RT
SE CORNER	STA. 124+70, 70.8'	RT

GENERAL NOTES

REFER TO GENERAL INFORMATION SHEET

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.

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.

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

I. USE EXISTING CONDUIT.

J. REMOVE EXISTING SIGNAL HEAD.

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

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

M. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN, CAP AND ABANDON EXISTING CONDUIT. REMOVE FOUNDATION 12" BELOW GRADE.

N. REAIM EXISTING VIDEO DETECTION CAMERA.

O. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD ON EXISTING SIGNAL POLE.

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

Q. ADJUST EXISTING HANDHOLE TO FINAL SIDEWALK GRADE.

CONSTRUCTION DETAILS (CONT.)

R. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

S. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED. DISCONNECT, PULL BACK AND REROUTE EXISTING FIBER OPTIC CABLE FEEDING CCTV CAMERA.

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

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

F	UPGRADE TO LED, RELOCATE APS/CPS ADD NB LEFT TURN LANE M0521518 7 K301				06-10-14
BJG	BJG	MJB	RDB	RDB	10/14
E	INSTALL CPS & APS ACROSS ALL LEGS SHA NO. AT9105185				10-23-07
JWA		DBD		WH	TH
D	GEOMETRIC IMPROVEMENT ADD WB LEFT TURN LANE				05-28-04
WTB	KMP	MAR	DAZ		BRK

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

MD 118 AT MIDDLEBROOK ROAD
GERMANTOWN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE AUGUST 1986 CONTRACT NO. BW 802-801-312

DESIGNED BY RDB
DRAWN BY BDB
CHECKED BY DTC
FAP NO.
COUNTY MONTGOMERY COUNTY
LOGMILE 15011805.42
TIMS NO. K301
TOD NO.

TS NO. 2003F | DRAWING SP-1 OF 4 | SHEET NO. 24 OF 35

PLOTTED: Tuesday, January 11, 2011 AT 03:03 AM
FILE: \\sldm\v2008\2008\08148_tcddes\Task 19_MD118 @ Middlebrook & Wisteria\CADD\pSG-0001_MD118@Middlebrook.dgn