NOTE:
MD 118 IS ASSUMED TO RUN IN A NORTH – SOUTH DIRECTION

PROPOSED SIGNS

28 — SOUTH / MARYLAND 118 — M3-3 24"x 12", M1-6 30"x 24", M6-1 21"x 15"
ASSOCIATED SHIELD ASSEMBLY 30" x 51"

31 — NORTH / MARYLAND 118 — M3-1 24"x 12", M1-6 30"x 24", M6-1 21"x 15"
ASSOCIATED SHIELD ASSEMBLY 30" x 51"

32 — SOUTH / MARYLAND 118 — M3-3 30"x 15", M1-6 48"x 36", M6-1 30"x 24"
ASSOCIATED SHIELD ASSEMBLY 48" x 75"

29 — NORTH / MARYLAND 118 — M3-1 30"x 15", M1-6 48"x 36", M6-1 30"x 24"
ASSOCIATED SHIELD ASSEMBLY 48" x 75"

PROPOSED SIGNS

23,26 — W3-3 48"x 48"

22,25 — SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING — 120" x 60"

PUSH BUTTON TO CROSS GERMANTOWN RD — START CROSSING WHEN TURNING CARS / DON'T START FINISH CROSSING IF STARTED / PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-3C 9" x 12"

START CROSSING WATCH FOR TURNING CARS / DON'T START FINISH CROSSING IF STARTED / PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-3C 9" x 12"

24a,27b		24b,27a	
Richter Farm	Rd <13800	Richter Farm	Rd 13800>

D3-2 (DUAL-FACED) VARIABLE X 16"

33b,30a		33a,30b	
Germantown	Rd <18200	Germantown	Rd 18200>

D3-2 (DUAL-FACED) VARIABLE X 16"

PROPOSED SIGNALS

3,4,8,9, 11,12 — R, Y, G — 12"

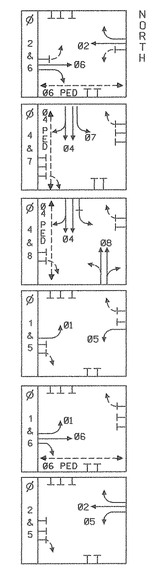
5,10,13, 14,15 — R, Y, G — 12"

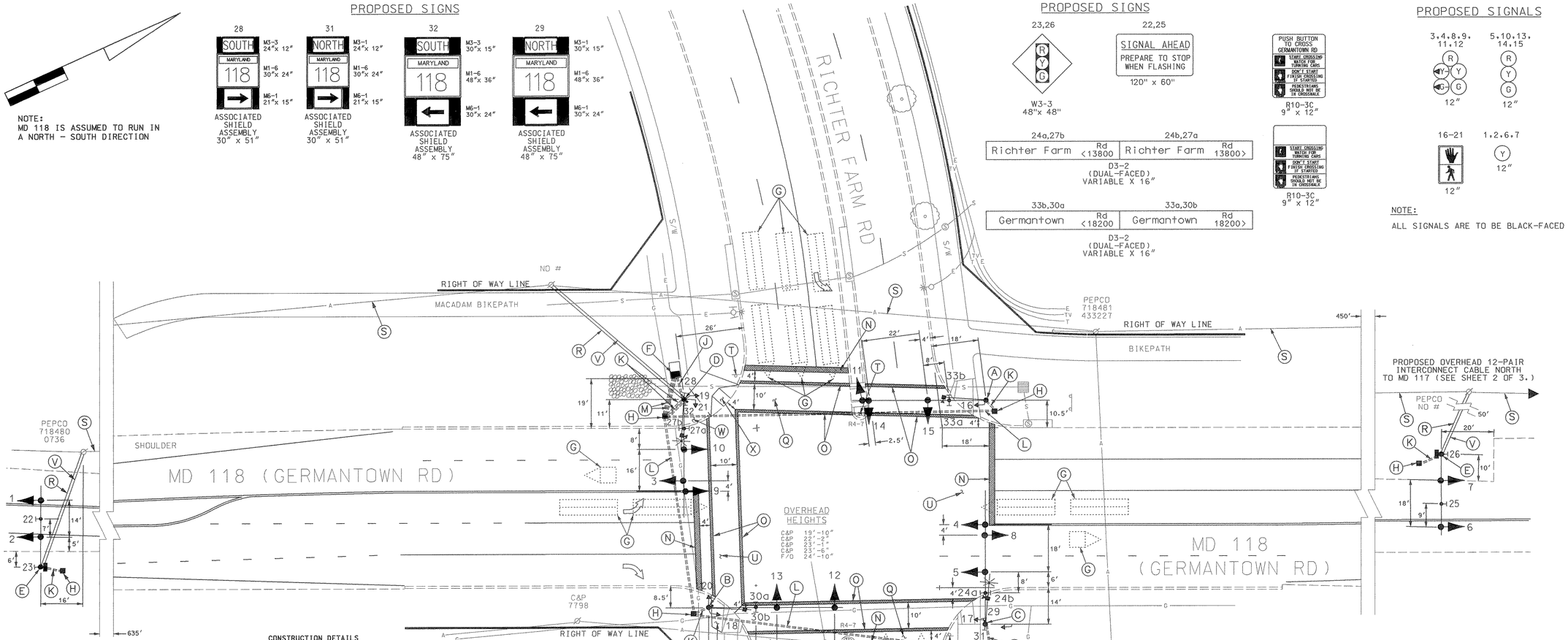
16-21 — 12"

1,2,6,7 — Y — 12"

NOTE:
ALL SIGNALS ARE TO BE BLACK-FACED

PHASING





CONSTRUCTION DETAILS

A. Install 27' steel pole with a 50' mast arm, traffic signal heads, pedestrain signal head, pedestrain education sign, sign, 15' lighting arm and video detector camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with a 50' mast arm, traffic signal heads, sign, pedestrian signal heads, pushbutton and pedestrian education sign, 15' lighting arm and video detector camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

C. Install 27' steel pole with a 50' mast arm, traffic signal heads, sign, pedestrian signal head, pedestrian education sign, 15' lighting arm with a 250W-HPS luminaire and video detector camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 27' steel pole with a 38' mast arm, traffic signal heads, sign, 15' lighting arm with a 250W-HPS luminaire, pedestrian signal head, pushbutton with pedestrian education sign, video detector camera, 3" weatherhead, and control and distribution equipment as shown. (Note: 2-3", 90°polyvinyl chloride (Schedule 80) bends and 1-2", 90° polyvinyl chloride (Schedule 80) bend.

E. Install 27' steel pole with a 60' mast arm (cut to 30', after it is determined that the foundation can be placed as shown), traffic signal heads, signs, 3" weatherhead, "G" size cabinet and control and distribution. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

F. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown. (Note: 2-2", 90°polyvinyl chloride (Schedule 80) bends and 2-4", 90°polyvinyl chloride (Schedule 80) bends.)

G. Proposed video detection area.

H. Install handhole.

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

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

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

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

N. Install 24" white heat applied permanent preformed thermoplastic pavement marking (stopline).

O. Install 12" white heat applied permanent preformed thermoplastic pavement marking (crosswalk).

P. Install concrete standing pad for access to pushbutton.

Q. Remove existing stopline.

R. Install 3/8" steel span wire and electrical cables as shown. (See wiring diagram).

S. Lash proposed 12-pair telemetry cable and /or 7-conductor cable to existing Montgomery County fiber optic cable as shown. (See wiring diagram).

T. Existing "STOP" sign to be removed after the signal is turned on.

U. Remove existing lane markings that extend past the proposed stopline.

V. Proposed overhead electrical service to be installed by PEPCO.

W. Remove existing curb and gutter and install new curb and gutter, handicap ramp and sidewalk as shown.

X. Remove existing depressed curb and gutter and handicap ramp and install standard handicap ramp as shown.

GENERAL NOTES:

1. The conduits are to be installed prior to the installation of the pavement markings.
2. 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.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.

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 —

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

3982.dgn TASK-3

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 6-4-01
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 6/5/01
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 6/5/01
	DIRECTOR, TRAFFIC & SAFETY 6/6

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 118 (GERMANTOWN ROAD)
AND RICHTER FARM ROAD

DRAWN BY:	W J NIES	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	R R ZACHERL	S.H.A. NO.	MO851A165E	4102	1 OF 3
SCALE:	1"= 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	
DATE:	5-30-01	LOG MILE:	15011804.64	E-596	

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