MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNS

25 — NORTH (M3-1 24"x 12") / MARYLAND 97 (M1-5 24"x 24") / (M6-1 21"x 15")
ASSOCIATED SHIELD ASSEMBLY 24" x 51"

26 — SOUTH (M3-3 30"x 15") / MARYLAND 97 (M1-5 36"x 36") / (M6-1 30"x 24")
ASSOCIATED SHIELD ASSEMBLY 36" x 75"

PROPOSED SIGNS

21 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

20 — Arcola Ave <2500 — D3-2 VARIABLE X 16"

28 — Georgia AVE 11700> — D3-2 VARIABLE X 16"

22 — Arcola Ave 2500> — D3-2 VARIABLE X 16"

24 — Georgia AVE <11700 — D3-2 VARIABLE X 16"

23,27 — ONLY — R3-5 30" x 36"

29 — ONLY — R3-5R 30" x 36"

30 — NO TURN ON RED — R10-11b 24" x 24"

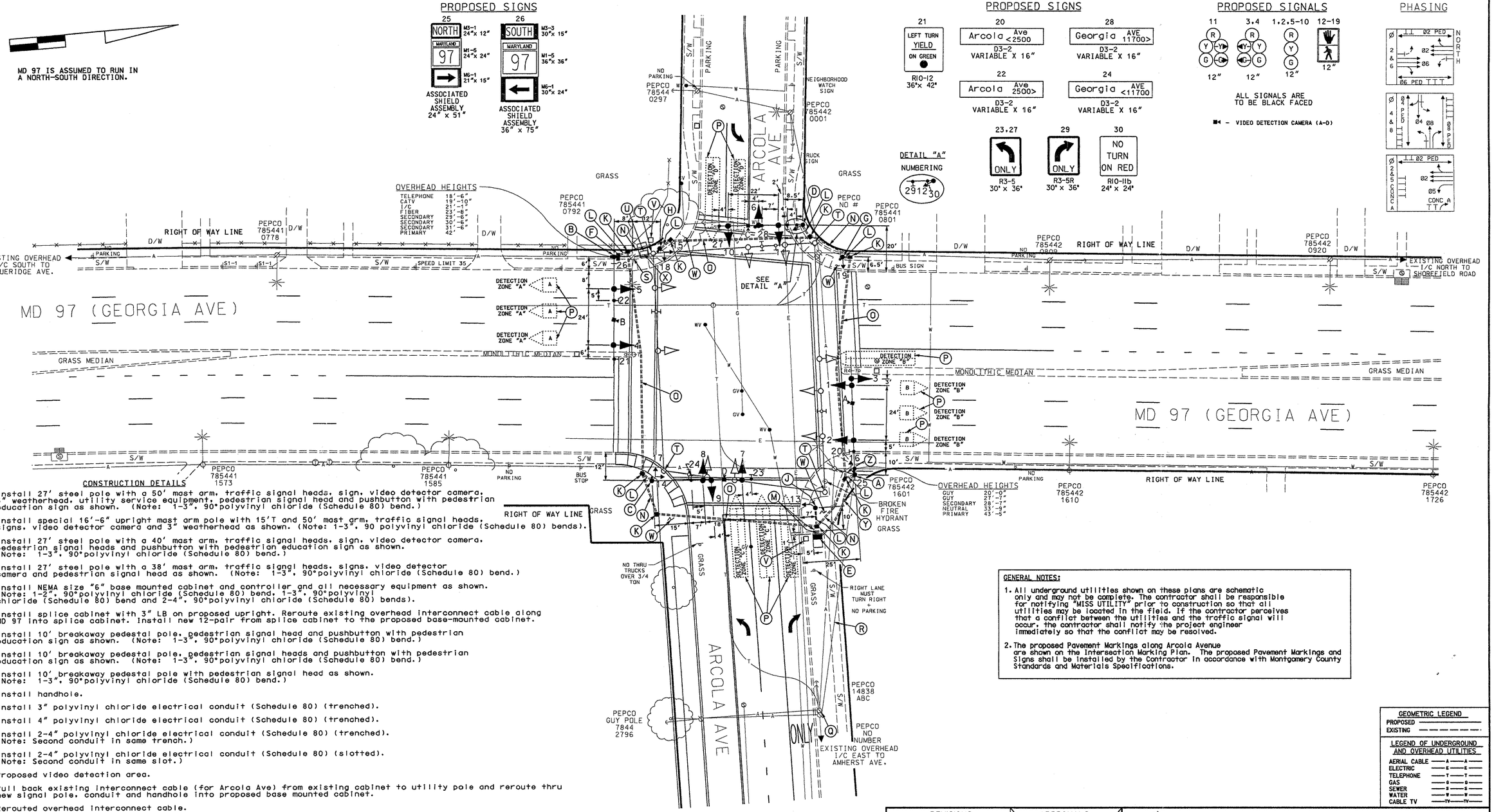
PROPOSED SIGNALS

11, 3,4, 1,2,5-10, 12-19

ALL SIGNALS ARE TO BE BLACK FACED

■◄ – VIDEO DETECTION CAMERA (A-D)

PHASING



CONSTRUCTION DETAILS

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

B. Install special 16'-6" upright mast arm pole with 15'T and 50' mast arm, traffic signal heads, signs, video detector camera and 3" weatherhead as shown. (Note: 1-3", 90 polyvinyl chloride (Schedule 80) bends).

C. Install 27' steel pole with a 40' mast arm, traffic signal heads, sign, video detector camera, pedestrian signal heads and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 27' steel pole with a 38' mast arm, traffic signal heads, signs, video detector camera and pedestrian signal head as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base mounted cabinet and controller and all necessary equipment as shown. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend, 1-3", 90°polyvinyl chloride (Schedule 80) bend and 2-4", 90°polyvinyl chloride (Schedule 80) bends).

F. Install splice cabinet with 3" LB on proposed upright. Reroute existing overhead interconnect cable along MD 97 into splice cabinet. Install new 12-pair from splice cabinet to the proposed base-mounted cabinet.

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

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

J. Install 10' breakaway pedestal pole with pedestrian signal head as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

K. Install handhole.

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

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

N. Install 2-4" polyvinyl chloride electrical conduit (Schedule 80) (trenched). (Note: Second conduit in same trench.)

O. Install 2-4" polyvinyl chloride electrical conduit (Schedule 80) (slotted). (Note: Second conduit in same slot.)

P. Proposed video detection area.

Q. Pull back existing interconnect cable (for Arcola Ave) from existing cabinet to utility pole and reroute thru new signal pole, conduit and handhole into proposed base mounted cabinet.

R. Rerouted overhead interconnect cable.

S. Pull back existing interconnect cables (for MD 97) from existing cabinet to utility pole. Reroute interconnect cables into proposed splice cabinet.

T. Remove existing strain pole, all attached signal equipment and foundation 12" below grade.

U. Remove existing cabinet and controller and foundation 12 in. below grade. Cabinet and controller shall be delivered to Montgomery County.

V. Remove existing handhole. Cap and abandon existing conduit.

W. Remove existing sidewalk and replace after the installation of the signal equipment.

X. Remove existing electrical utility service equipment.

Y. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) for electrical service by PEPCO.

Z. Proposed overhead electrical service to be by PEPCO.

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. The proposed Pavement Markings along Arcola Avenue are shown on the Intersection Marking Plan. The proposed Pavement Markings and Signs shall be installed by the Contractor in accordance with Montgomery County Standards and Materials Specifications.

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 —

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REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(A) 6/19/03 RECONSTRUCT SIGNAL BY MONTGOMERY COUNTY CONTRACTOR RRZ	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
MCDOT / MDSHA	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (GEORGIA AVE) AND ARCOLA AVENUE

DRAWN BY: J.W.S.	F.A.P. NO. —	TS NO. 209A	SHEET NO. 1 OF 2
CHECKED BY:	S.H.A. NO. BWA496M83		
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F 819	
DATE: 1-1-72	LOG MILE: 15009702.94		

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