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

EXISTING SIGNALS

20.25

12"
(BLACK-FACED)

A – RED LIGHT CAMERA OR FLASH

EXISTING SIGNS

39.40.43.44 | 41.45 | 42.46

PUSH BUTTON TO CROSS GEORGIA AVE
START CROSSING WATCH FOR TURNING CARS
DON'T START FINISH CROSSING IF STARTED
PEDESTRIANS SHOULD NOT BE IN CROSSWALK

PROPOSED SIGNS

35A.38B: Georgia Ave. <14000
35B.38A: Georgia Ave. 14000>
D3-2 (DUAL FACED) VARIABLE X 16"

27A.29B: Connecticut Ave. 14000>
27B.29A: Connecticut Ave. <14000
D3-2 (DUAL FACED) VARIABLE X 16"

33: ONLY — R3-5a 30" x 36"
28: LEFT TURN YIELD ON GREEN — R10-12 36" x 42"
26, 30-32.36: ONLY — R3-5L 30" x 36"
34: R3-6R 30" x 36"
37: R3-6 30" x 36"

PROPOSED SIGNALS

1.2: R Y G 12"
8.9, 11.12: R Y G 12"
3.4.7, 10.13: R Y G 12"
5.6: R Y G 12"
14-19.21-24: 12"

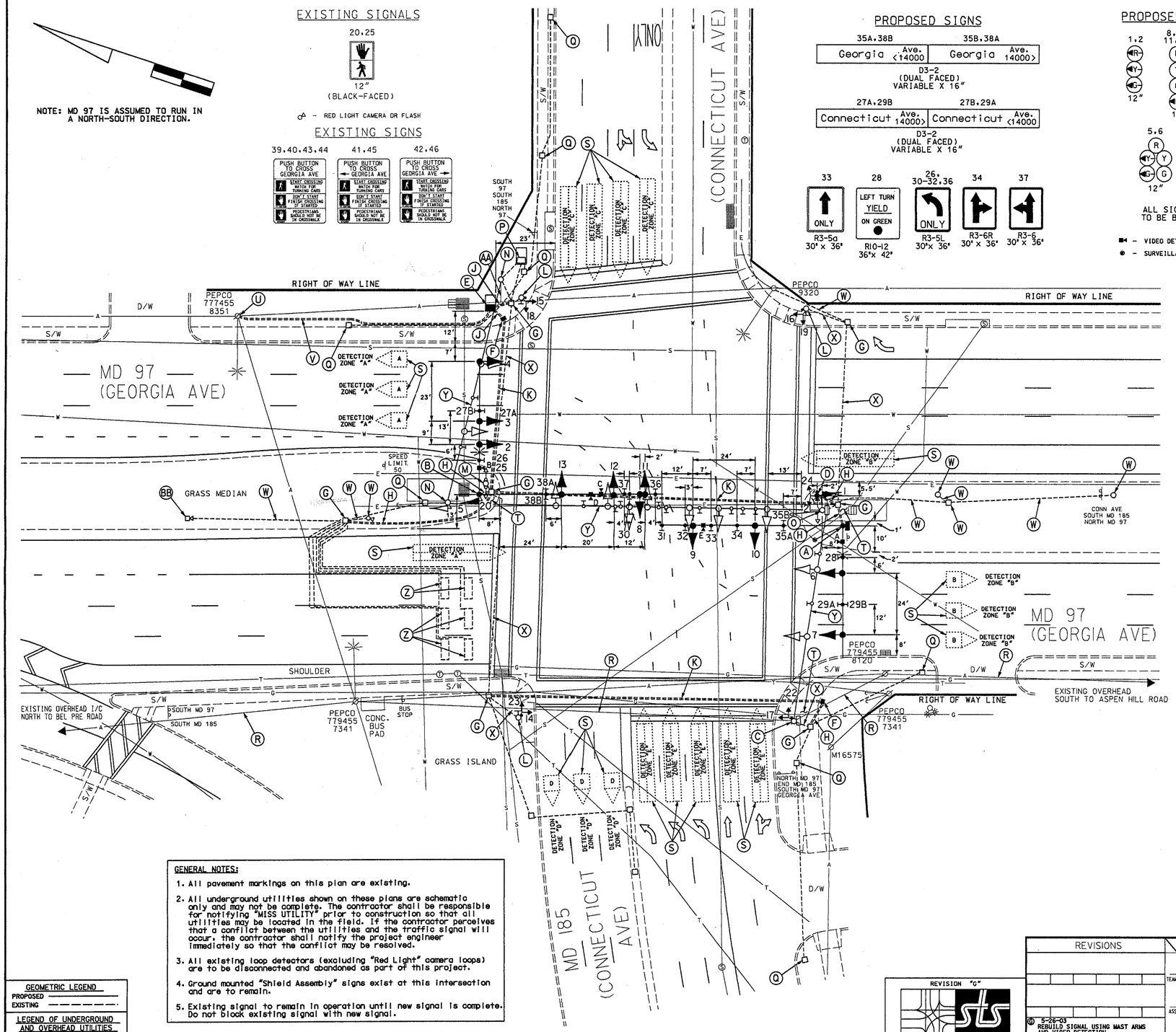
ALL SIGNALS ARE TO BE BLACK FACED

■ – VIDEO DETECTION CAMERA (A-E)
● – SURVEILLANCE CAMERA

NEMA PHASING

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

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



CONSTRUCTION DETAILS

A. Install 27' steel pole with twin 50'- 70' mast arms, traffic signal heads, signs, video detector cameras, and 10' lighting arm with 250W HPS luminaire as shown. The existing traffic surveillance camera and associated cabinet and wiring is to be relocated onto this pole by Montgomery County Forces. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.

B. Install 27' steel pole with twin 50'-70' mast arms, traffic signal heads, signs, 15' lighting arm with a 250W-HPS luminaire and video detector cameras as shown. (Note: 1-3",90 polyvinyl chloride (Schedule 80) bends).

C. Use existing steel strain pole with overhead interconnect, splice cabinet and pedestrian education sign. Replace Pedestrian Signal heads and pushbutton. Install 3"LB in bottom plate of existing splice cabinet and into the pole WITH BUSS COUPLING.

D. Install 14' breakaway pedestal pole, pedestrian signal heads and pushbuttons & SIGN ~~Contractor is to relocate existing pedestrian education signs from adjacent signal~~ pole. (Note: 1-3", 90° polyvinyl (Schedule-80) bend.

E. Install NEMA size "6" base-mounted cabinet and controller with control and distribution and all necessary equipment as shown.

F. Install handhole.

G. Use existing handhole.

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

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

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

L. Use existing pedestal pole and pedestrian education sign. Replace existing pedestrian signal heads and pushbutton.

M. Use existing pedestal pole with pedestrian signal heads, pushbutton and pedestrian education sign.

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

O. Remove existing strain pole and all attached signal equipment and foundation 12" below grade. (See Construction Detail "A").

P. Remove existing cabinet and controller and foundation 12 in. below grade. Cap and abandon existing conduit. Cabinet and controller shall be delivered to Montgomery County.

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

R. Existing overhead interconnect cable to remain.

S. Proposed video detection area.

T. Remove existing concrete section and replace after the installation of the signal equipment.

U. Proposed underground electrical service by PEPCO.

V. Install 4" polyvinyl chloride electrical conduit (Schedule 80) trenched for electrical service.

W. Existing "Red Light" camera equipment to remain.

X. Use existing conduit.

Y. Remove existing span wire and all attached equipment.

Z. Existing "Red Light" camera loops to remain.

AA. Existing overhead mid-span electrical service to be removed by PEPCO.

BB. Existing "Red Light" camera to be rewired to the proposed controller cabinet.

GENERAL NOTES:

1. All pavement markings on this plan are existing.
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 existing loop detectors (excluding "Red Light" camera loops) are to be disconnected and abandoned as part of this project.
4. Ground mounted "Shield Assembly" signs exist at this intersection and are to remain.
5. Existing signal to remain in operation until new signal is complete. Do not block existing signal with new signal.

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 —

REVISION "G"

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

4268.dgn Task 69

REVISIONS	APPROVALS
(d) 5-26-03 REBUILD SIGNAL USING MAST ARMS AND VIDEO DETECTION SHA # XX1065285 RRZ	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
(f) 12-22-97 INSTALL PEDESTRIAN PHASES ACROSS THE NORTH, EAST AND WEST LEGS OF THE INTERSECTION TMZ	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

SHA#: MD350A51/B51

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 97 (GEORGIA AVENUE) AND
MD 185 (CONNECTICUT AVENUE)

DRAWN BY:	F.A.P. NO.	TS NO. 31 G	SHEET NO. 1 OF 3
CHECKED BY:	S.H.A. NO.		
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F286	
DATE: 8-24-69	LOG MILE: 15009707.00		

e:\signaldesign\4268\4268.dgn Jun. 28, 2003 01:44:13