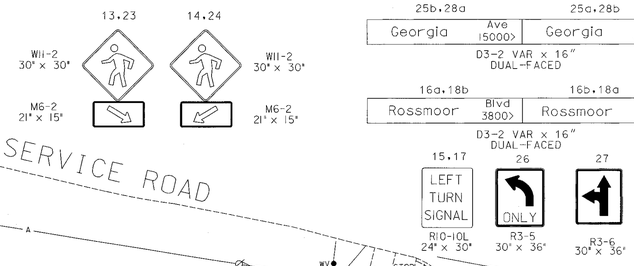
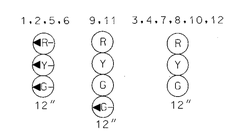
NOTE: MD 97 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

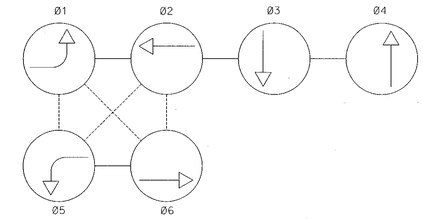
PROPOSED SIGNS



PROPOSED SIGNALS



NEMA PHASING

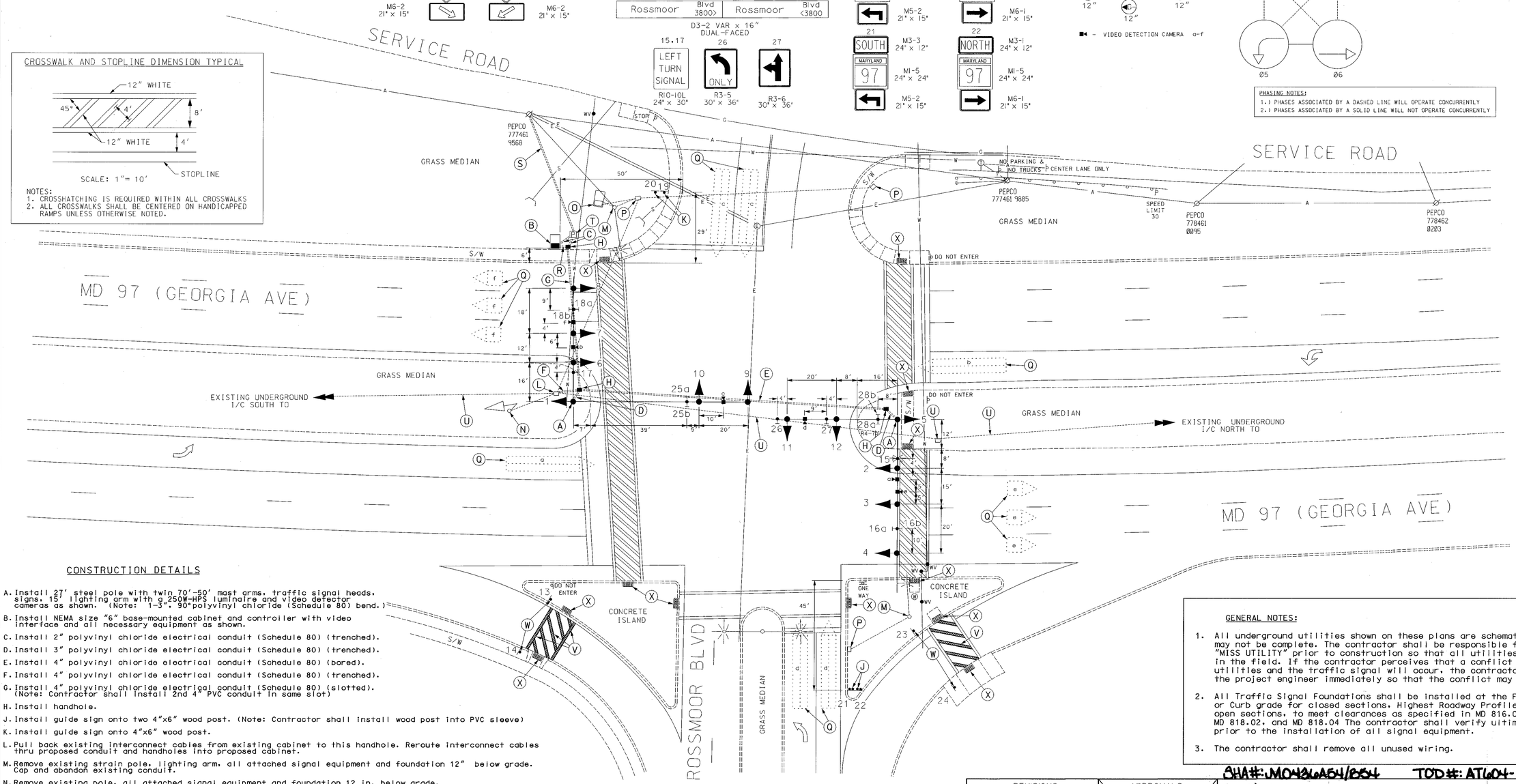


PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CROSSWALK AND STOPLINE DIMENSION TYPICAL

SCALE: 1"= 10'

NOTES:
1. CROSSHATCHING IS REQUIRED WITHIN ALL CROSSWALKS
2. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.



CONSTRUCTION DETAILS

A. Install 27' steel pole with twin 70'-50' 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) bend.)

B. Install NEMA size "6" base-mounted cabinet and controller with video interface and all necessary equipment as shown.

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

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

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

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

G. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted). (Note: Contractor shall install 2nd 4" PVC conduit in same slot)

H. Install handhole.

J. Install guide sign onto two 4"x6" wood post. (Note: Contractor shall install wood post into PVC sleeve)

K. Install guide sign onto 4"x6" wood post.

L. Pull back existing interconnect cables from existing cabinet to this handhole. Reroute interconnect cables thru proposed conduit and handholes into proposed cabinet.

M. Remove existing strain pole, lighting arm, all attached signal equipment and foundation 12" below grade. Cap and abandon existing conduit.

N. Remove existing pole, all attached signal equipment and foundation 12 in. below grade.

O. Remove existing base mounted cabinet and controller and foundation 12 in. below grade.

P. Remove existing handhole, cap and abandon existing conduit.

Q. Proposed video detection area.

R. Install 2-4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

S. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of 3 wire 1 conductor (NO. 250 KCMIL) for power service to base of utility pole for proposed underground electrical service by Pepco.

T. Install metered pedestal service.

U. Maintain signal equipment.

V. Install 12" white, heat applied permanent preformed thermoplastic pavement marking.

W. Install pedestrian crossing sign onto 4"x4" wood post.

X. Install detectable warning system (trucated domes).

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. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.

3. The contractor shall remove all unused wiring.

SHA#: MO436A54/B554 TOD#: AT604-17

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. N.W.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

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REVISIONS

D	REBUILD SIGNAL AND CHANGE NB&S/B MD 97 FROM EP TO EXCLUSIVE LEFTS SHA# AT6045185	1/07/05
JWA		
C	ASBUILT	4/24/2001
		BW109M83
B	INSTALLED NB E/P L/T	5/00
CJ	MAR	
A	INSTALLED SB EP LEFT TURN SHA855-25006	3/21/86
DLA		

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

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

MD 97 AND ROSSMOOR BOULEVARD
Norbeck, MD

DRAWN BY:	F.A.P. NO.	TS NO. 19280	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. G441	1 OF 2
DATE:	LOG MILE: 15009708.25		

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