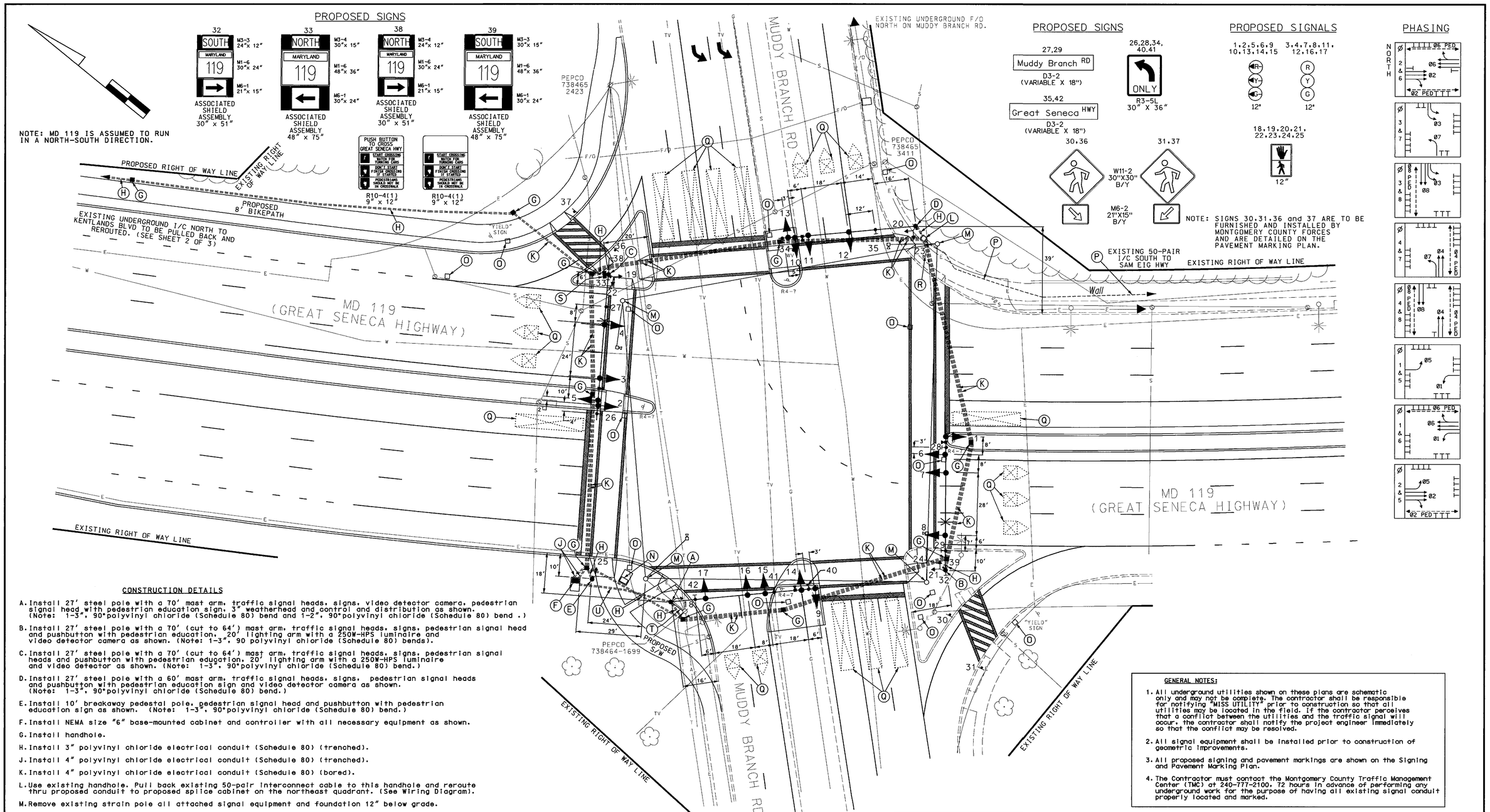

CONSTRUCTION DETAILS

A. Install 27' steel pole with a 70' mast arm, traffic signal heads, signs, video detector camera, pedestrian signal head with pedestrian education sign, 3" weatherhead and control and distribution as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend and 1-2", 90°polyvinyl chloride (Schedule 80) bend .)

B. Install 27' steel pole with a 70' (cut to 64') mast arm, traffic signal heads, signs, pedestrian signal head and pushbutton with pedestrian education, 20' lighting arm with a 250W-HPS luminaire and video detector camera as shown. (Note: 1-3", 90 polyvinyl chloride (Schedule 80) bends).

C. Install 27' steel pole with a 70' (cut to 64') mast arm, traffic signal heads, signs, pedestrian signal heads and pushbutton with pedestrian education, 20' lighting arm with a 250W-HPS luminaire and video detector as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 27' steel pole with a 60' mast arm, traffic signal heads, signs, pedestrian signal heads and pushbutton with pedestrian education sign and video detector camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

E. 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.)

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

G. Install 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 handhole. Pull back existing 50-pair interconnect cable to this handhole and reroute thru proposed conduit to proposed splice cabinet on the northeast quadrant. (See Wiring Diagram).

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

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

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

P. Use existing conduit with 50-pair interconnect cable.

Q. Proposed video detection area.

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

S. Install proposed pole mounted splice cabinet. Reroute existing interconnect cable from Sam Eig Hwy and from Kentlands Blvd. into cabinet. Splice new 12-pair cable from cabinet to proposed base mounted controller. (See Wiring Diagram).

T. Proposed overhead power service by PEPCO.

U. Install 2" polyvinyl chloride electrical conduit (Schedule 80) trenched for power service.

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 signal equipment shall be installed prior to construction of geometric improvements.
3. All proposed signing and pavement markings are shown on the Signing and Pavement Marking Plan.
4. The Contractor must contact the Montgomery County Traffic Management Center (TMC) at 240-777-2100, 72 hours in advance of performing any underground work for the purpose of having all existing signal conduit properly located and marked.

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
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A 8-20-02 REBUILD SIGNAL USING MAST ARMS	DIRECTOR, TRAFFIC & SAFETY
SHA. NO.: F531	
RRZ	

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 119 (GREAT SENECA HWY) AT MUDDY BRANCH ROAD

DRAWN BY:	F.A.P. NO.	TS NO. 4207A	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F 531	1 OF 3
DATE: 8/21/02	LOG MILE: 15011900.80		

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