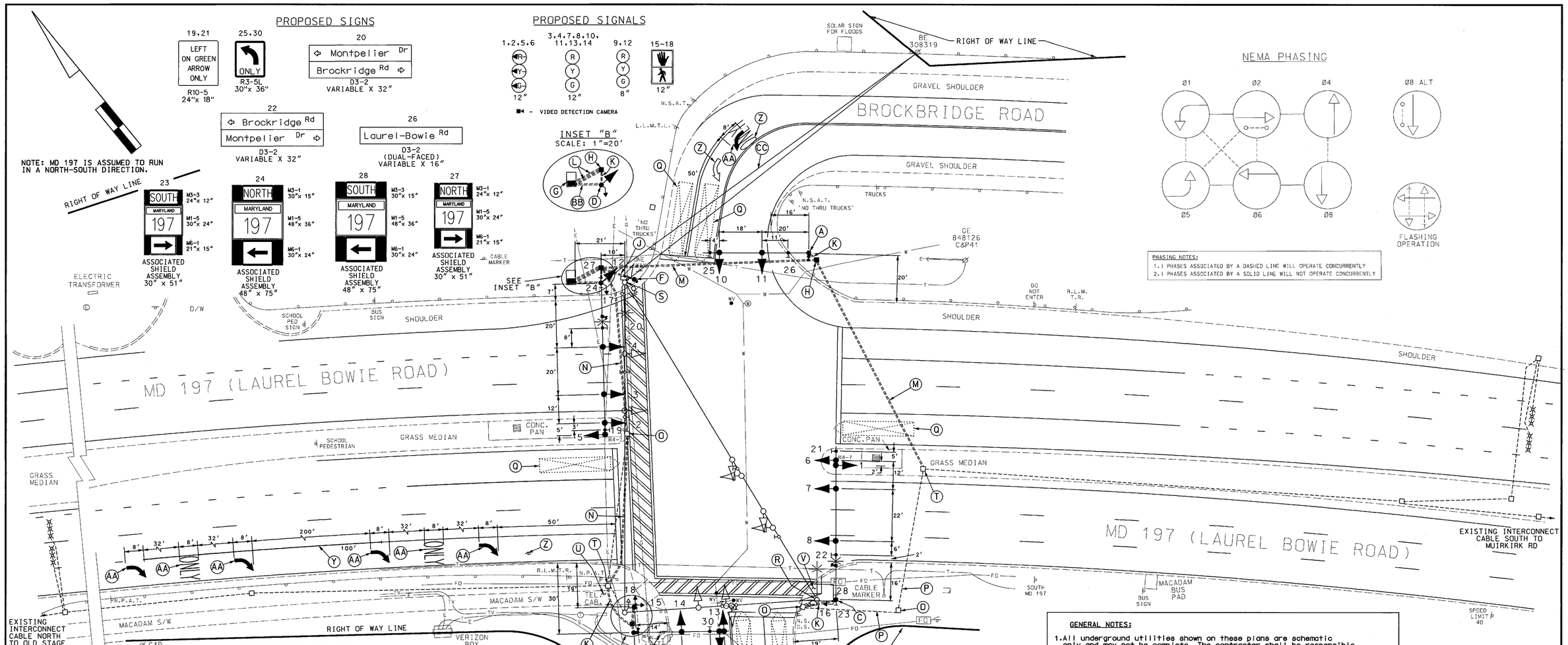

CONSTRUCTION DETAILS

A. Install 27' steel pole with a 50' (cut to 44') mast arm, traffic signal heads, signs and video detector camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with a 50' (cut to 40') mast arm, traffic signal heads, sign 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, 15' lighting arm with video detector camera and 250W-HPS luminaire and pedestrian signal head as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 27' steel pole with a 70' (cut to 64') mast arm, traffic signal heads, signs, 15' lighting arm with video detector camera and 250W-HPS luminaire, 3" weatherhead, pedestrian signal head and electrical utility service equipment as shown. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend and 1-3", 90°polyvinyl chloride (Schedule 80) bend).

E. 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.)

F. Install 5' breakaway pedestal pole with pushbutton and pedestrian education sign as shown. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend.)

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

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) (trenched).

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

N. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

O. Use existing handhole.

P. Use existing conduit.

Q. Proposed video detection area.

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

S. Remove existing strain pole, all attached signal equipment, lighting, power service and foundation 12" below grade. Cabinet and controller shall be delivered to SHA.

T. Pull back existing interconnect cable and microloop wire to this handhole and reroute thru proposed conduit to proposed cabinet and controller. (See Wiring Diagram)

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

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 signal equipment shall be installed prior to the installation of the pavement markings and new geometrics.

CONSTRUCTION DETAILS (CONT.)

V. Remove existing curb and gutter and install depressed curb and gutter and handicapped ramp with landing pad as shown.

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

X. Tree shall be removed by District Forces for installation of signal pole.

Y. Install 100' of 5" white, heat applied permanent preformed thermoplastic pavement marking.

Z. Remove existing pavement marking "ONLY" or arrow. (Note: one (1) on Montpelier Dr, two (2) on Brockbridge Rd and six (6) in the southbound right turn lane on MD 197 (not shown on plan).

AA. Install pavement marking "ONLY" or arrow.

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

CC. Overhead electrical service by BGE.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE — A — A
ELECTRIC — E — E
TELEPHONE — T — T
FIBER OPTIC — FO — FO
GAS — G — G
SEWER — S — S
WATER — W — W
CABLE TV — TV — TV

REVISIONS

D	9-10-02 REBUILD EX. SIGNAL ADDING EXCLUSIVE LEFTS ON MD 197. S.H.A. # A125-75165			
RRZ				
C	1-01-94 REVISE POLE LOCATION AW-680-501-085			
BT				
B	11-30-86 MODIFIED PHASING AND DETECTION			
BT	DAZ	ETP	TH	
A	6-8-71 ASBUILT			
LET	JB	AB		

APPROVALS

ORIGINAL ON FILE

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4242.dgn TASK-62

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 197 (LAUREL-BOWIE ROAD) AND MONTPELIER DRIVE

DRAWN BY:	BRUCE THOMPSON	F.A.P. NO.		IS 2516 D	SHEET NO. 1 OF 2
CHECKED BY:		S.H.A. NO.	AW-680-501-085		
SCALE:	1"= 20'	COUNTY:	PRINCE GEORGES	T.I.M.S. NO. F236	
DATE:	10-10-83	LOG MILE:	16019712.99		

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