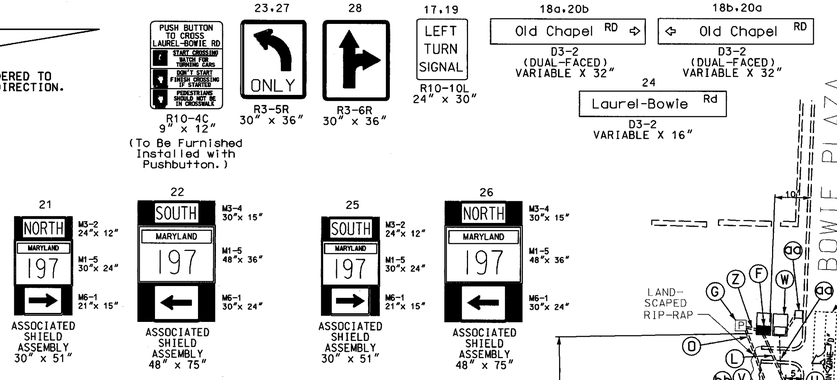
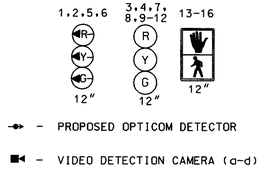
NOTE: MD 197 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

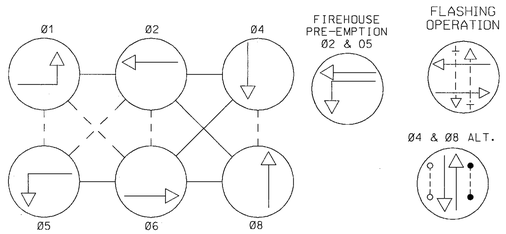
PROPOSED SIGNS



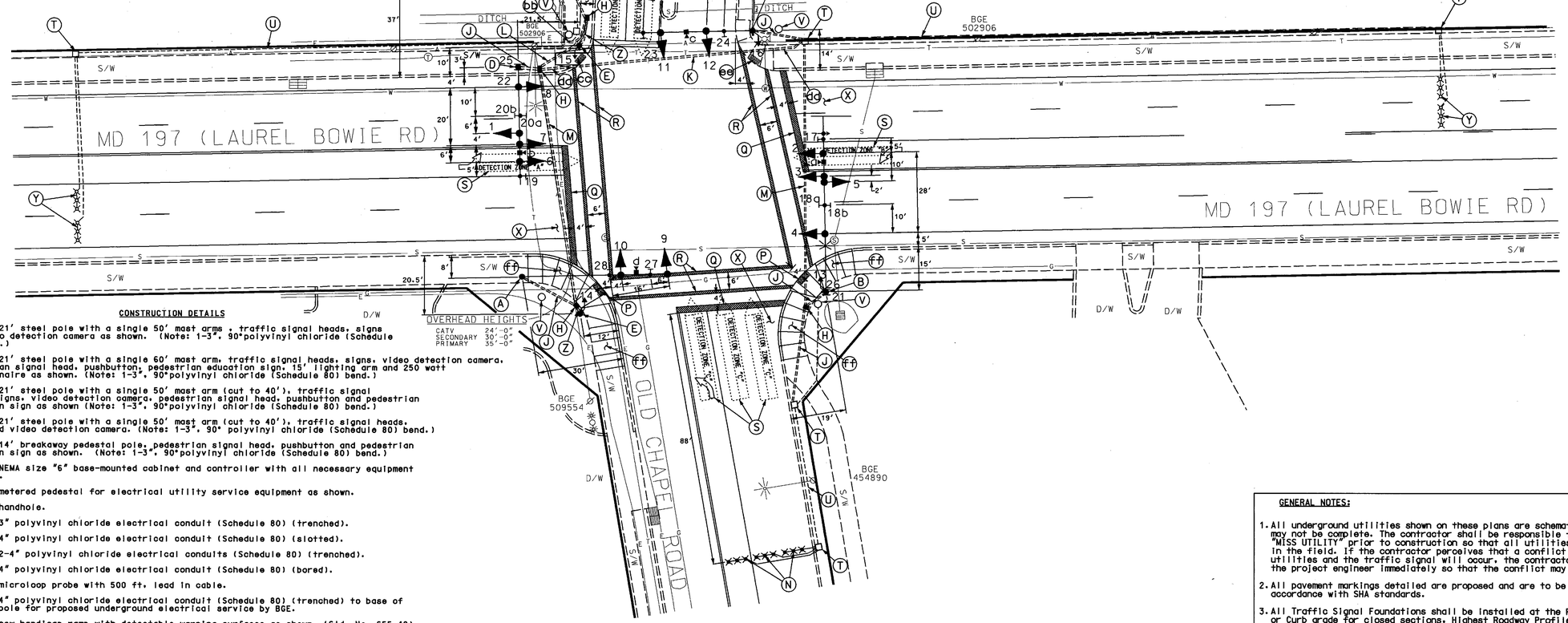
PROPOSED SIGNALS



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



CONSTRUCTION DETAILS

A. Install 21' steel pole with a single 50' mast arms , traffic signal heads, signs and video detection camera as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 21' steel pole with a single 60' mast arm, traffic signal heads, signs, video detection camera, pedestrian signal head, pushbutton, pedestrian education sign, 15' lighting arm and 250 watt HPS luminaire as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

C. Install 21' steel pole with a single 50' mast arm (cut to 40'), traffic signal heads, signs, video detection camera, pedestrian signal head, pushbutton and pedestrian education sign as shown (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 21' steel pole with a single 50' mast arm (cut to 40'), traffic signal heads, signs and video detection camera. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

E. Install 14' breakaway pedestal pole, pedestrian signal head, pushbutton and 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 metered pedestal for electrical utility service equipment as shown.

H. Install handhole.

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

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

L. Install 2-4" polyvinyl chloride electrical conduits (Schedule 80) (trenched).

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

N. Install microloop probe with 500 ft. lead in cable.

O. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) to base of utility pole for proposed underground electrical service by BGE.

P. Install new handicap ramp with detectable warning surfaces as shown. (Std. No. 655.40)

Q. Install 24" white heat applied permanent preformed thermoplastic pavement marking (stopline).

R. Install 12" white heat applied permanent preformed thermoplactic pavement marking (crosswalk with hatching).

S. Video detection zone.

T. Use existing handhole as shown.

U. Use existing conduit as shown.

V. Remove existing strain pole and all associated wiring as shown.

W. Remove existing base mounted cabinet and foundation 12" below grade and backfill.

X. Remove existing pavement markings as shown.

Y. Contractor shall disconnect existing microloop probes from existing controller, pullback and reroute into proposed cabinet.

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

aa. Remove existing conduit or handhole.

bb. The contractor shall cut the existing 2" conduit and extend into proposed handhole as shown.

cc. Install handicap ramp with detectable warning surfaces as shown. (Std. No. 655.40)

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

ee. Install detectable warning surfaces in existing handicap ramp as shown.

ff. Contractor shall remove depressed curb, depressed ramp and install standard type "A" curb, gutter and 4 inch sidewalk in areas where depressed ramps were.

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 pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
3. 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.
4. All sidewalk that needs to be removed because of signal installation shall be replaced by the contractor.
5. The contractor shall remove all unused wiring.

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.
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Fax (410) 590-6637
4660.dgn WT-48

OHA: PE 6558A51/B51 TSD: AT718-01

REVISIONS	APPROVALS
3-18-06 SHA#: AT7185185 REBUILD USING MAST ARMS ADD EXCLUSIVE LEFT TURNS ON MD 197 AND PED PHASE ACROSS NORTH LEG F950 JWA	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
5. 06/1998 - INSTALL OPTICOM	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
SHA NO. DBD MAR DAZ F.L. TH	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A. ADD PED. INDICATIONS TO SOUTH LEG OF MD 197; INSTALL WEARSIDE SIGNAL HEAD	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 197(LAUREL BOWIE ROAD) AND OLD CHAPEL ROAD/BOWIE PLAZA
BOWIE, MARYLAND

DRAWN BY:	D.B.D.	F.A.P. NO.		TS NO. 1784 C	SHEET NO. 1 OF 2
CHECKED BY:		S.H.A. NO.	P-798-501-385		
SCALE:	1"= 20'	COUNTY:	PRINCE GEORGE'S		
DATE:	JUNE, 1980	LOG MILE:	16019704.03	T.I.M.S. NO. F950	