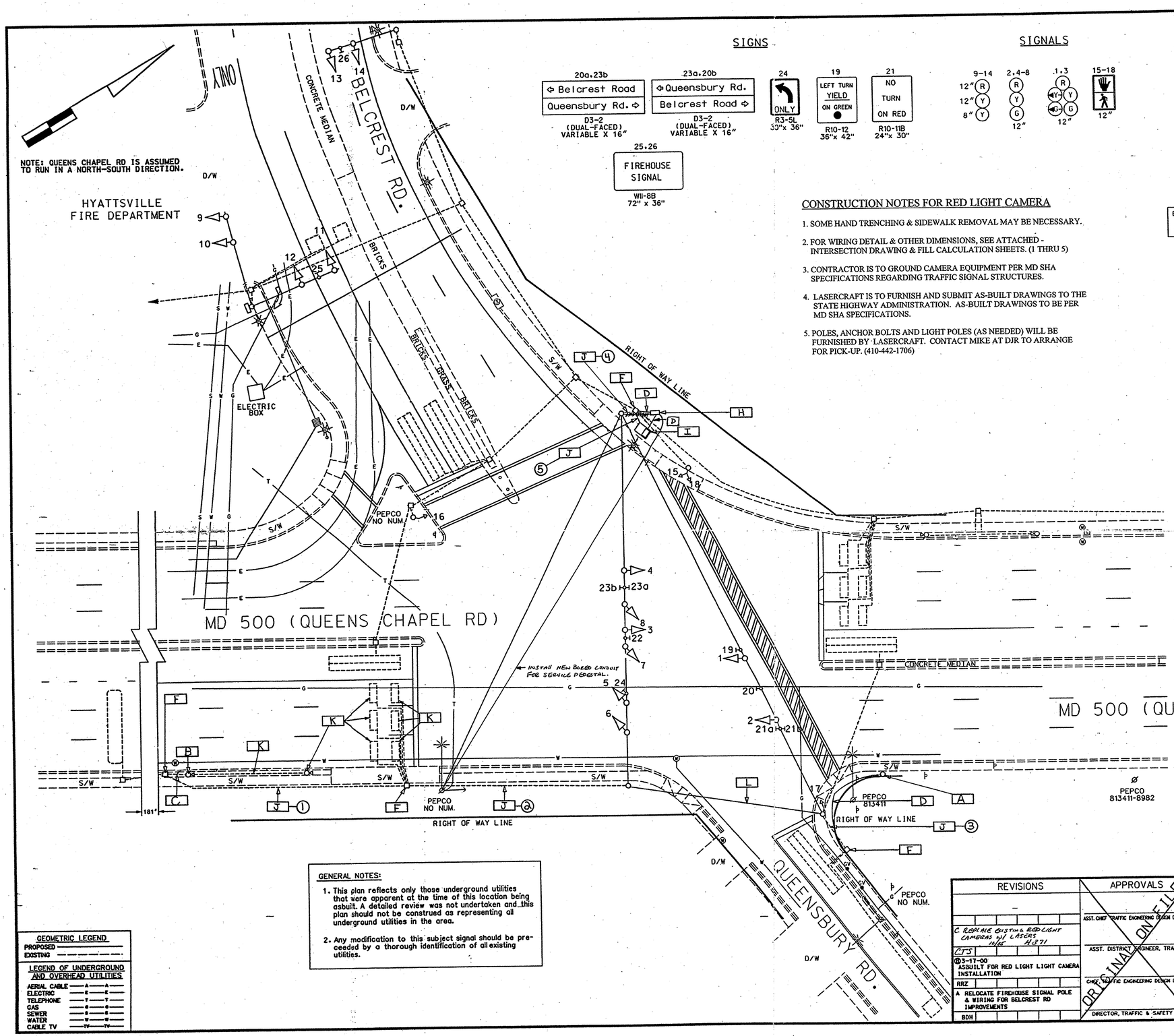
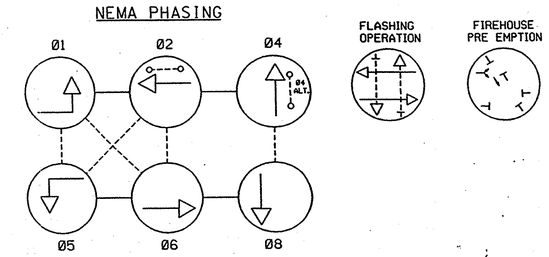


SIGNS

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 NOTES FOR RED LIGHT CAMERA

1. SOME HAND TRENCHING & SIDEWALK REMOVAL MAY BE NECESSARY.
2. FOR WIRING DETAIL & OTHER DIMENSIONS, SEE ATTACHED - INTERSECTION DRAWING & FILL CALCULATION SHEETS. (1 THRU 5)
3. CONTRACTOR IS TO GROUND CAMERA EQUIPMENT PER MD SHA SPECIFICATIONS REGARDING TRAFFIC SIGNAL STRUCTURES.
4. LASERCRAFT IS TO FURNISH AND SUBMIT AS-BUILT DRAWINGS TO THE STATE HIGHWAY ADMINISTRATION. AS-BUILT DRAWINGS TO BE PER MD SHA SPECIFICATIONS.
5. POLES, ANCHOR BOLTS AND LIGHT POLES (AS NEEDED) WILL BE FURNISHED BY LASERCRAFT. CONTACT MIKE AT DJR TO ARRANGE FOR PICK-UP. (410-442-1706)

CONSTRUCTION DETAILS FOR RED LIGHT CAMERA

A F&I 13' LASER POLE. F&I 1 RUN OF 3/C #14 CABLE & INSTALL 1 RUN OF 12 PAIR LASER CABLE (FURNISHED BY LASERCRAFT) FROM LASER POLE TO CAMERA POLE. LEAVE 5' OF SLACK COILED OUT OF TOP OF LASER POLE AND 10' OF SLACK COILED IN BOTTOM OF CAMERA POLE.

B REMOVE EXISTING CAMERA POLE. INSTALL NEW 13' CAMERA POLE ONTO EXISTING T-BASE. F&I 1 RUN OF 7/C #14 CABLE FROM CAMERA POLE TO TRAFFIC SIGNAL CABINET. LEAVE 10' OF SLACK COILED IN BOTTOM OF CAMERA POLE. F&I 1 RUN OF 3/C #14 CABLE FROM CAMERA POLE TO SERVICE PEDESTAL. LEAVE 10' OF SLACK COILED IN BOTTOM OF CAMERA POLE. INSTALL CAMERA CONTROLLER.

C USE EXISTING CAMERA CONDUIT.

D F&I 2" PVC (SCH. 80) CONDUIT - TRENCHED.

E F&I 2" PVC (SCH. 80) CONDUIT - PUSHED. (NOT USED)

F USE EXISTING HANDHOLE.

G F&I HANDHOLE. (NOT USED)

H F&I EMBEDDED SERVICE PEDESTAL. (SEE ATTACHED TYPICALS) F&I SCH 80 PVC CONDUIT TRENCHED (SIZE PER BY POWER COMPANY) FROM SERVICE PEDESTAL TO SERVICE POLE. F&I RISER UP POLE IF NEEDED.

I LOCATE EXISTING SPARE 2" CONDUIT IN TRAFFIC SIGNAL CABINET. F&I 2" PVC SCH 80 CONDUIT TRENCHED FROM TRAFFIC SIGNAL CABINET AND ELBOWED INTO SERVICE PEDESTAL. F&I #4 WIRE FROM SERVICE PEDESTAL TO TRAFFIC SIGNAL CABINET. COORDINATE WITH POWER COMPANY THE SWITCHING OF THE SERVICE. AFTER SWITCH IS MADE REMOVE ALL NOT USED POWER SERVICE EQUIPMENT AND PLUG ALL HOLES.

J USE EXISTING CONDUIT. F&I INNERDUCT. (SEE FILL FACTOR SHEET CONDUITS 1 THRU 5)

K REMOVE ABANDONED ALL EXISTING EQUIPMENT, FLASH POLE, T-BASE, LOOPS AND WIRING. JACKHAMMER ANY EXISTING FOUNDATIONS NOT USED 12" BELOW GRADE.

L F&I 3/8" SPAN WIRE WITH 2" RINGS.

STREET TRAFFIC STUDIES, LTD.
400 Ellis Road, Ste. A
Glen Burnie, MD 21061
Ph (410) 590-5050
Fax (410) 590-0637
3728.dgn

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and this plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceeded by a thorough identification of all existing utilities.

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 —

REVISIONS	APPROVALS
–	ORIGINAL ON FILE
C. REPLACE EXISTING RED LIGHT CAMERAS W/ LASERS. 10/02 A371 CTS	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
B 3-17-00 ASBUILT FOR RED LIGHT LIGHT CAMERA INSTALLATION RRZ	ASST. DISTRICT ENGINEER, TRAFFIC
A RELOCATE FIREHOUSE SIGNAL POLE & WIRING FOR BELCREST RD IMPROVEMENTS BDH	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

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

MD 500 (QUEENS CHAPEL ROAD) AND QUEENSBURY ROAD – BELCREST ROAD

DRAWN BY:	JFL/JFF	F.A.P. NO.	M-5187(1)E	TS NO. C TS-589 (B)	SHEET NO.
CHECKED BY:	BDH	S.H.A. NO.	P-117-501-371	T.I.M.S. NO.	1 OF 1
SCALE:	1"= 20'	COUNTY:	PRINCE GEORGE'S		
DATE:	5-25-74	LOG MILE:	160500020B		