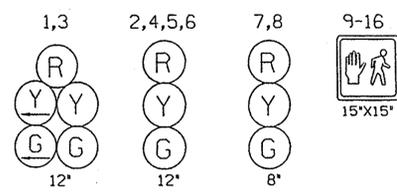
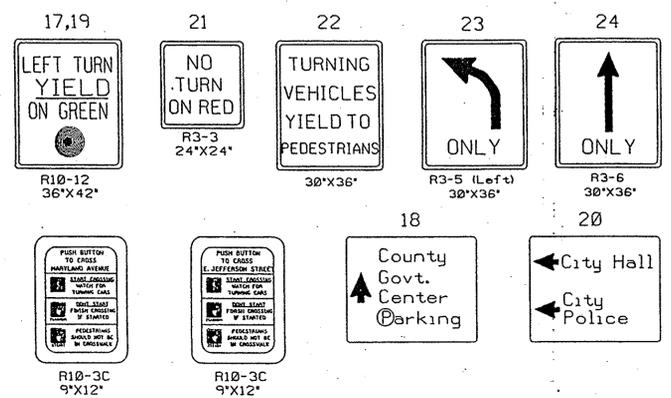


FHWA REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	MD			

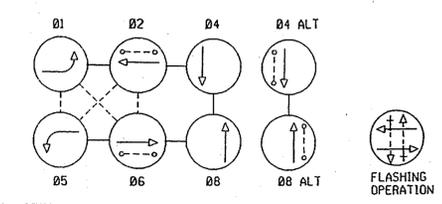
SIGNALS



SIGNS



NEMA PHASING



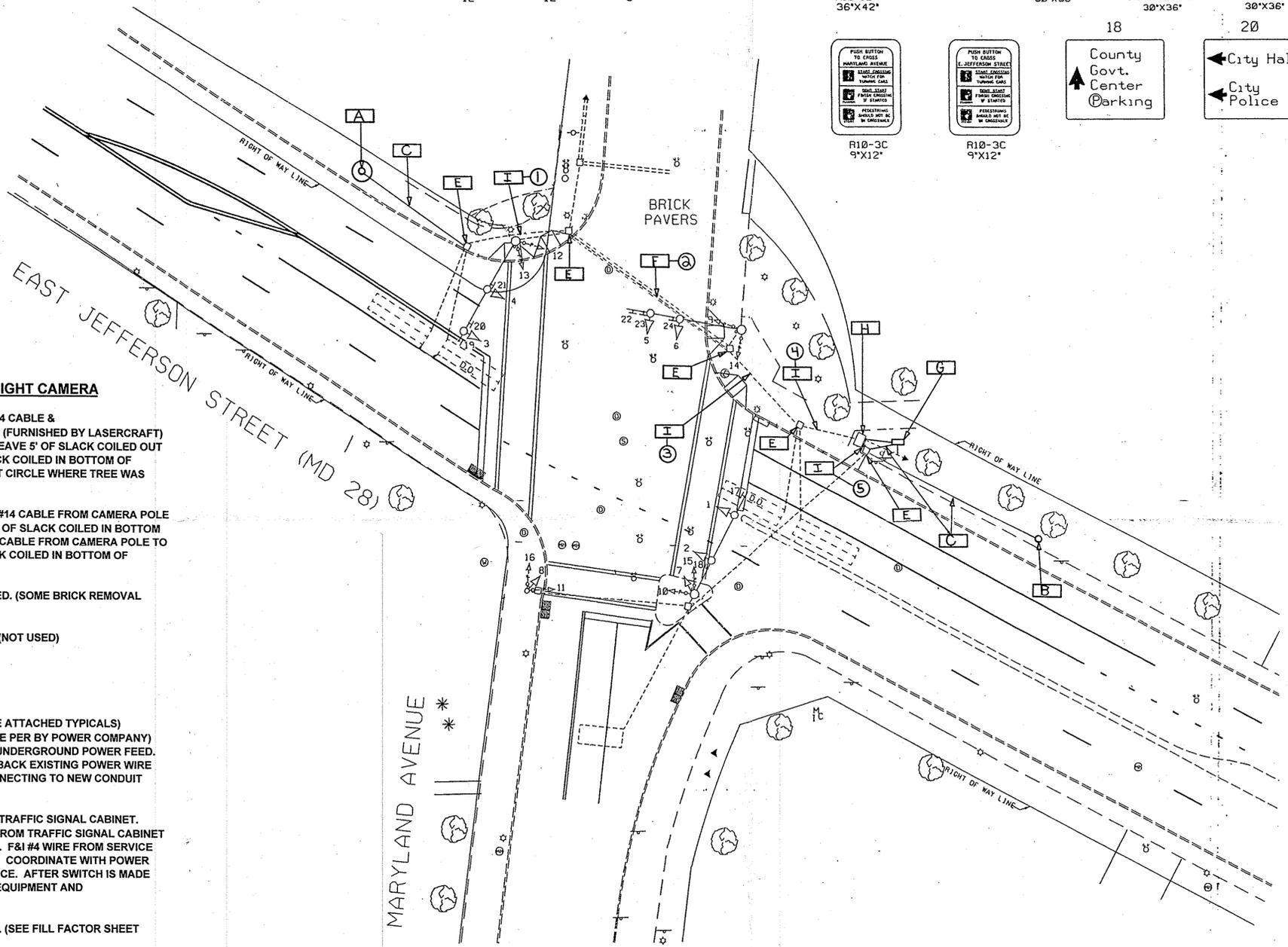
PHASING NOTES:
 1. PHASES ASSOCIATED BY SOLID LINE WILL NOT OPERATE CONCURRENTLY.
 2. PHASES ASSOCIATED BY DASHED LINE WILL OPERATE CONCURRENTLY.

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. (DIG FOUNDATION IN DIRT CIRCLE WHERE TREE WAS LOCATED)
- B** F&I 13" CAMERA POLE. 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.
- C** F&I 2" PVC (SCH. 80) CONDUIT - TRENCHED. (SOME BRICK REMOVAL MAY BE NECESSARY)
- D** F&I 2" PVC (SCH. 80) CONDUIT - PUSHED. (NOT USED)
- E** USE EXISTING HANDHOLE.
- F** USE EXISTING EMPTY 3" PVC CONDUIT.
- G** F&I EMBEDDED SERVICE PEDESTAL. (SEE ATTACHED TYPICALS) F&I SCH 80 PVC CONDUIT TRENCHED (SIZE PER BY POWER COMPANY) FROM SERVICE PEDESTAL TO EXISTING UNDERGROUND POWER FEED. WORK WITH POWER COMPANY TO PULL BACK EXISTING POWER WIRE CUTTING EXISTING CONDUIT AND RECONNECTING TO NEW CONDUIT AND PULL EXISTING WIRE BACK IN.
- H** 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 UNUSED POWER SERVICE EQUIPMENT AND PLUG ALL HOLES.
- I** USE EXISTING CONDUIT. F&I INNERDUCT. (SEE FILL FACTOR SHEET CONDUITS 1 THRU 5)

CONSTRUCTION NOTES FOR RED LIGHT CAMERA

1. SOME HAND TRENCHING & SIDEWALK/BRICK 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)



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

CITY OF ROCKVILLE
 MARYLAND AVENUE AT VINSON ROCKVILLE, MARYLAND
 TRANSPORTATION ENGINEERING DIVISION
 DIRECTOR OF PUBLIC WORKS

REVISION 'D' - ASBUILT

Street Traffic Studies, Ltd.
 Gateway International
 1302 Concourse Drive, Suite 104
 Linthicum, Maryland 21090
 (410) 859-3553

REVISIONS	APPROVALS
Upgrade to Red Light Camera 10-11-05 ASBUILT SHA NO.: M 757-451-376 RAZ 5/12/95 RECONSTRUCTION DUE TO ROAD WIDENING SHA NO. AAL	ORIGINAL ON ASST. DISTRICT ENGINEER, TRAFFIC CHIEF, TRAFFIC ENGINEERING DIVISION DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic and Safety
 TRAFFIC ENGINEERING DESIGN DIVISION

SIGNAL NUMBER: _____ LOG MILE: 15002822.13

DRAWN BY: J.W.B
 DES. BY: J.C.
 CHK. BY: J.C.

DATE: JULY 82 F.A.P. NO. _____
 SCALE: 1"=20' S.H.A. NO. _____

MD 28 (EAST JEFFERSON ST.) AND MARYLAND AVENUE
 COUNTY: MONTGOMERY

TS/STD. NO. 1687 XE SHEET NO. 1 OF 1

MARYLAND STATE HIGHWAY ADMINISTRATION
 TRAFFIC ENGINEERING DESIGN DIVISION

APPROVED
 APPROVED AS NOTED
 REJECTED - REVISE & RESUBMIT

REVIEWED BY: [Signature] DATE: 10/1/05

Review is for general compliance with contract documents. No responsibility is assumed for correctness of dimensions or quantities.