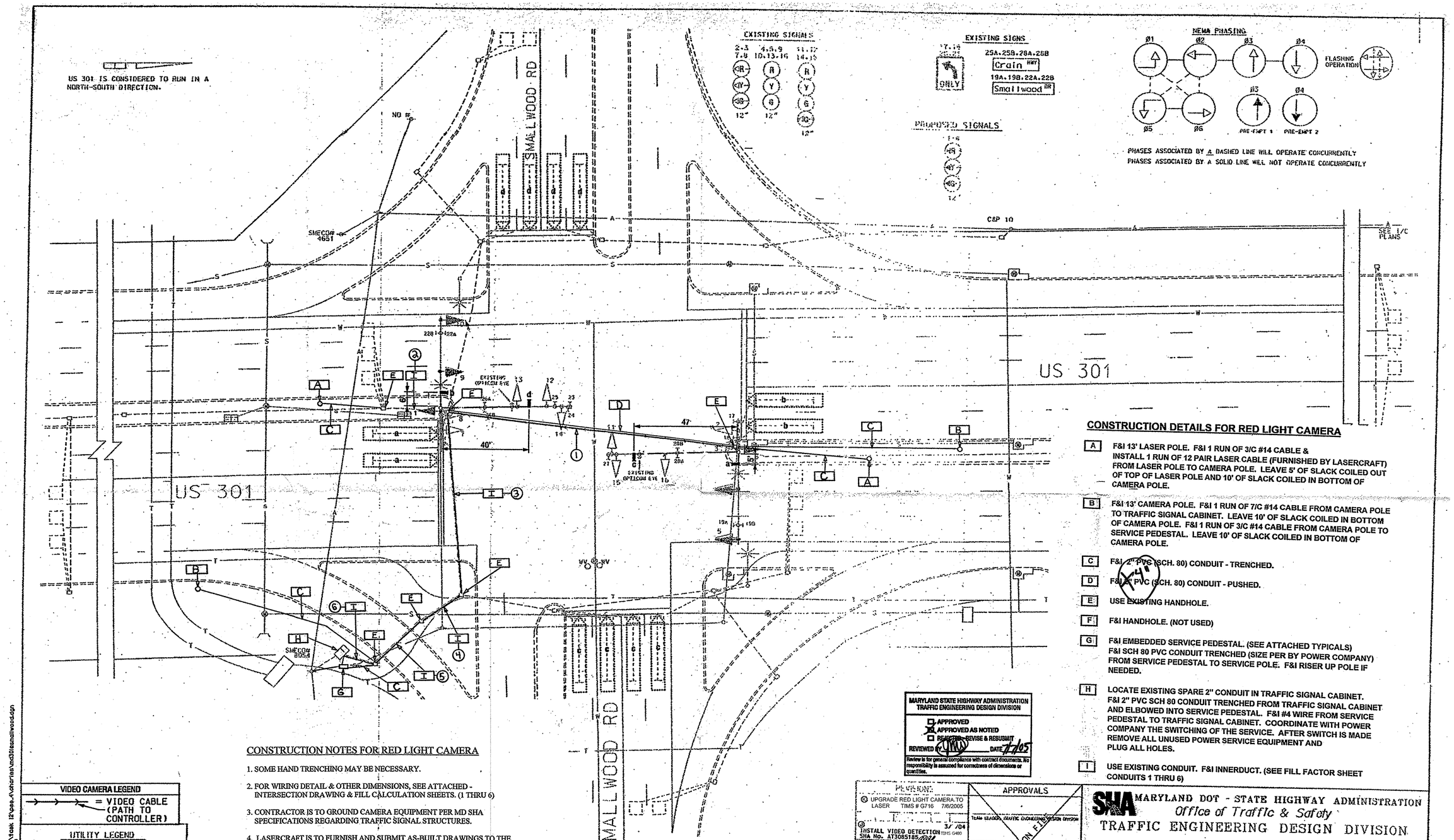

CONSTRUCTION DETAILS FOR RED LIGHT CAMERA

- **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** 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.
- **D** F&I 2" PVC (SCH. 80) CONDUIT - PUSHED.
- **E** USE EXISTING HANDHOLE.
- **F** F&I HANDHOLE. (NOT USED)
- **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 SERVICE POLE. F&I RISER UP POLE IF NEEDED.
- **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 6)

CONSTRUCTION NOTES FOR RED LIGHT CAMERA

1. SOME HAND TRENCHING MAY BE NECESSARY.
2. FOR WIRING DETAIL & OTHER DIMENSIONS, SEE ATTACHED - INTERSECTION DRAWING & FILL CALCULATION SHEETS. (1 THRU 6)
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)

VIDEO CAMERA LEGEND

= VIDEO CABLE (PATH TO CONTROLLER)

UTILITY LEGEND

G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES

MARYLAND STATE HIGHWAY ADMINISTRATION
TRAFFIC ENGINEERING DESIGN DIVISION
☐ APPROVED
☒ APPROVED AS NOTED
☐ REJECTED - REVISE & RESUBMIT
REVIEWED BY [illegible] DATE 7/05
Review is for general compliance with contract documents. No responsibility is assumed for correctness of dimensions or quantities.

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE MD 21227
(410) 737-6566
WWW.SABRA-WANG.COM

REVISIONS
3 UPGRADE RED LIGHT CAMERA TO LASER TIMS # G716 7/6/2005
2 3/ /04 INSTALL VIDEO DETECTION TIMS G480 SHA No. AT3085185
1 INSTALL OPTICOM FOR EM PRE-EMPT SMALLWOOD RD
1-29-99 REDRAWN
6/01 REDRAWN
1-29-99 REDRAWN SIGNAL TIME TO ACCOMODATE CHANGES

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL SIGNATURE FILE

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 301 @ SMALLWODD DRIVE

DRAWN BY:	F.A.P. NO.	TS NO. 1650 K	SHEET NO.
CHECKED BY: AEM	S.H.A. NO. AW-705-451-085		
SCALE: 1:20	COUNTY: CHARLES	T.I.M.S. NO. G716	OF
DATE: 5/3/1978	LOG MILE: 08030122-25		

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DATE: 10-Mar-04 16:50