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.

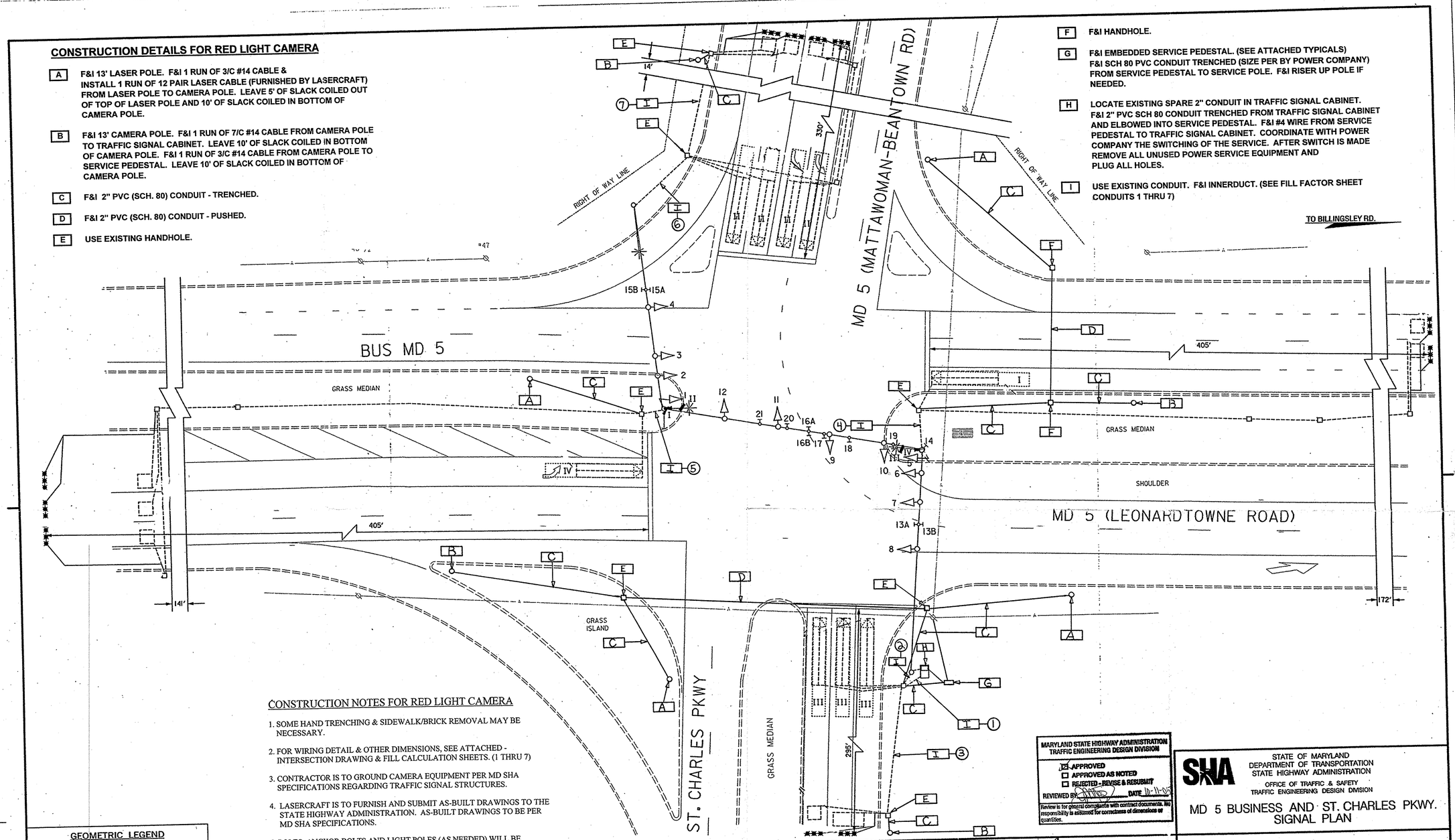
E USE EXISTING HANDHOLE.

F F&I HANDHOLE.

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 7)



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 7)
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)

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

BY: $USERNAME$

MARYLAND STATE HIGHWAY ADMINISTRATION
TRAFFIC ENGINEERING DESIGN DIVISION

☒ APPROVED
☐ APPROVED AS NOTED
☐ REJECTED - REVISE & RESUBMIT

REVIEWED BY: [signature] DATE 10-11-05

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

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 5 BUSINESS AND ST. CHARLES PKWY. SIGNAL PLAN

REVISION D CONSULTANT

WALLACE, MONTGOMERY & ASSOCIATES, LLP
CIVIL AND STRUCTURAL ENGINEERS
110 West Road
Suite 300
Towson, Maryland 21204

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS

D	INSTALL VIDEO DETECTION DUE TO MD 5 B CORRIDOR RESURFACING SHA # CH020577 505	MJA	[initials] 10/17/05
C	N-S-05 ASSULT SHA # 505-502-571		
RRZ			
E	Upgrade to Redlight Camera TIMS# G6653014-05	[initials]	

PLOTTED: Friday, July 29, 2005 AT 03:36 PM
FILE: M:\PROJ\200006.04\Cadd\p5G-F001_MD5-LI.F5D.dgn

SCALE 1": 20' DATE _____ CONTRACT NO. CH 505-502-571

DESIGNED BY _____ COUNTY CHARLES
DRAWN BY _____ LOGMILE 08000510.45
CHECKED BY _____ T.I.M.S. NO. _____
F.A.P. NO. _____ TOD NO. _____

DRAWING NO. 1556 XE OF SHEET NO. 9 OF 10