

**PROJECT DESCRIPTION**  
 THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 198 AND VAN DUSEN ROAD IN PRINCE GEORGE'S COUNTY. MD 198 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

**INTERSECTION OPERATION**  
 THE INTERSECTION CURRENTLY OPERATES IN A SIX PHASE FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR E.B. AND W.B. MD 198 AND SIDE STREET SPLIT PHASING. AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE EAST LEG OF MD 198 AND AN EXISTING PRE-EMPTION PHASE EXIST FOR N.B. VAN DUSEN ROAD.

**PROJECT CONSTRUCTION**  
 WORK WILL INCLUDE INSTALLING E.B. AND W.B. MD 198 RED LIGHT CAMERA DETECTION SYSTEM.

MD 198 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

**GENERAL NOTES**

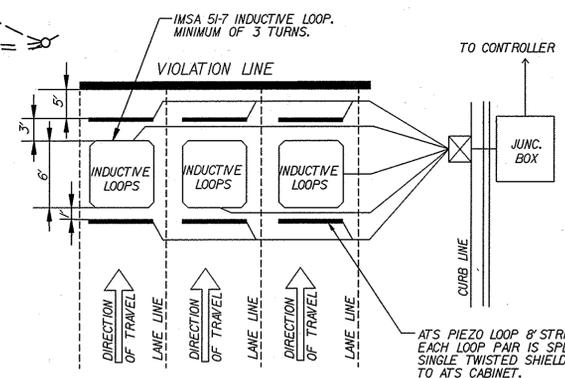
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- GROUNDING OF THE PROPOSED EQUIPMENT MUST BE DONE IN ACCORDANCE WITH SHA REQUIREMENTS.

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

**CONSTRUCTION DETAILS**

- REMOVE EXISTING POWER PEDESTAL. INSTALL NEW PEDESTAL AND TIE INTO EXISTING CONDUITS
- INSTALL 3" SCHEDULE 80 CONDUIT VIA TRENCHING.
- INSTALL 20' ALUMINUM POLE, RED LIGHT CAMERA UNIT, AND CAMERA CONTROLLER CABINET. INSTALL A 3C/10 AWG IMSA 20-1 CABLE FROM PROPOSED RED LIGHT CAMERA CABINETS TO EXISTING POWER PEDESTAL.
- INSTALL PIEZO LOOP DETECTOR FOR RED LIGHT CAMERA DETECTION. SEE PIEZO LOOP CONDUIT DETAIL.
- USE EXISTING HANDHOLE.
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL A 7C/14 AWG FROM RED LIGHT UNITS TO THE EXISTING TRAFFIC SIGNAL CONTROLLER TO TIE INTO THE RED & AMBER PHASES FOR EACH APPROACH.
- INSTALL A COMMUNICATION DROP (IMSA 60-2) CONNECTING THE CAMERA CABINETS TO THE EXISTING UTILITY DEMARCATION BOX. CONTACT SERVICE PROVIDER PRIOR TO BEGINNING WORK.
- TERMINATE AT THE TRAFFIC CONTROLLER FOR RED PHASE AND POWER.
- INSTALL 2" SCHEDULE 80 CONDUIT VIA TRENCHING.
- INSTALL 4" SCHEDULE 80 CONDUIT VIA TRENCHING.
- INSTALL 3" SCHEDULE 80 CONDUIT VIA DIRECTIONAL BORING.
- UTILIZE EXISTING CONDUIT.
- INSTALL 2" ELBOW INTO EXISTING FOUNDATION TO ROUTE 2-CON TRAY CABLE FOR LIGHTING

**PIEZO LOOP CONDUIT LAYOUT DETAIL**



**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISIONS	APPROVALS
11-27-07 REINSTALL RED LIGHT CAMERAS McMAHON ASSOCIATES I 910 Pm 11/27/07	
8-1-05 INSTALL EB NEARSIDE LEFT TURN SIGNAL HEAD	
3-16-05 UPGRADE TO RED LIGHT CAMERA	
11-15-04 INSTALL OPTICOM PRE-EMPTION SHA NO. AT6045185	
TZ	

**SHA** MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
 Office of Traffic & Safety  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 TRAFFIC SIGNAL PLAN  
 MD 198 AND VAN DUSEN ROAD

DRAWN BY: JLH	F.A.P. NO. P-224X-375	TS NO. 242J	SHEET NO.
CHECKED BY: PWM	S.H.A. NO. PRINCE GEORGES	T.I.M.S. NO. I 910	1 OF 1
SCALE: 1" = 20'	COUNTY: PRINCE GEORGES	LOG MILE: 16019802.19	
DATE: 6-18-1971			