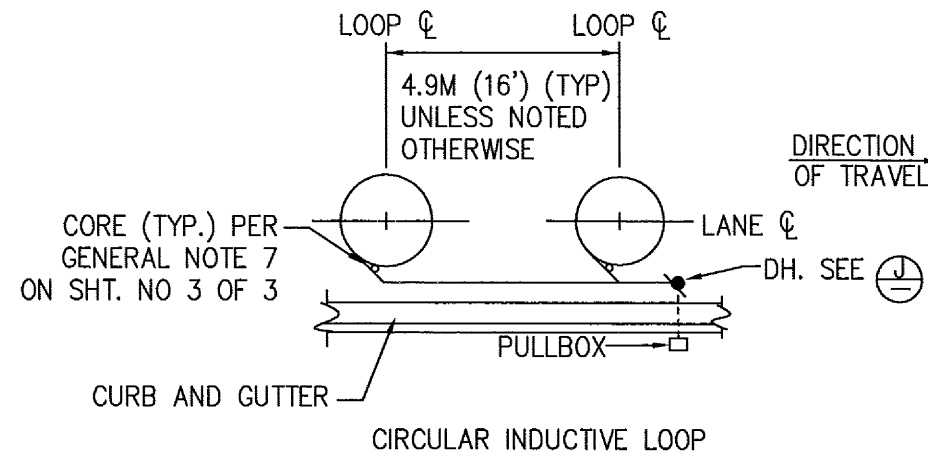
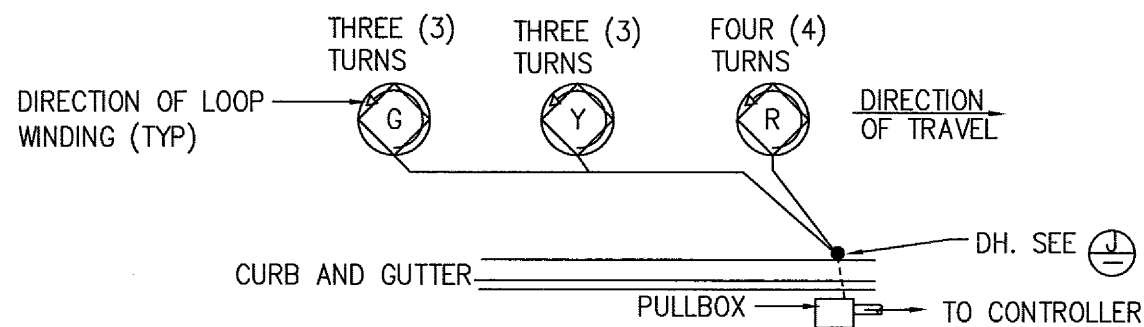
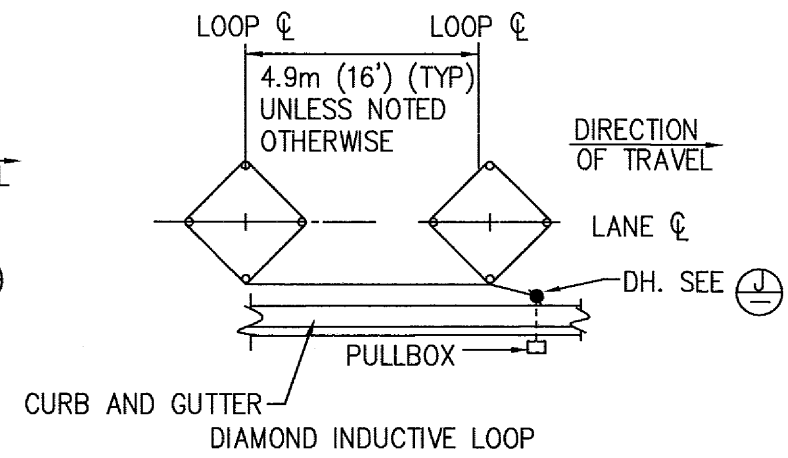
  
 CIRCULAR LOOP: 1.8m (6') DIAMETER  
 DIAMOND LOOP: 1.3m (4.25') x 1.3m (4.25')

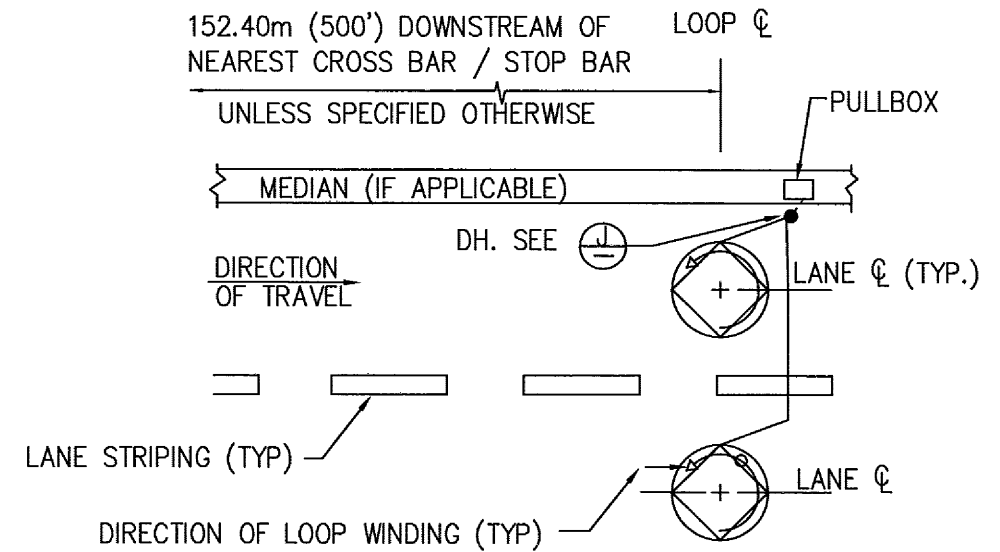
**A** LOOPS AND DIMENSIONS



**B** TYPICAL SAWCUT LOOP PATTERN AND SPACING



**C** INDUCTIVE LOOP WIRING SCHEMATIC  
 CONDUCTOR/CABLE INSULATION COLOR CODING  
 R = RED Y = YELLOW G = GREEN


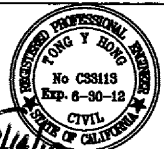
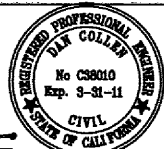


NOTES :

- D1) LABEL EACH LOOP IN PULLBOX AS "SAMP". SEE STANDARD DETAIL E/44.
- D2) EACH SAMPLER LOOP SHALL CONTAIN FOUR (4) TURNS AND SHALL BE INSTALLED IN EACH LANE OF TRAFFIC.
- D3) ONE (1) LEAD-IN CABLE SHALL BE PROVIDED FOR EACH LANE OF TRAFFIC AND SHALL BE SPLICED TO LOOP WIRES IN ADJACENT PULLBOX.

**D** SAMPLER (i.e. COUNT) LOOP LAYOUT

**M**ETRIC (& ENGLISH) UNITS

|  |  |                  |  |            |   |  |  |  |  |   |  |   |  |                     |                               |  |
|--|--|------------------|--|------------|---|--|--|--|--|---|--|---|--|---------------------|-------------------------------|--|
|  |  |                  |  |            | <b>SANTA CLARA COUNTY ROADS AND AIRPORTS DEPARTMENT</b> |  |  |  |  | <b>STANDARD DETAILS</b><br><b>INDUCTIVE LOOP DETECTORS</b>                            |  |   |  |                     | DRAWING NO.<br><b>E</b><br>5A |  |
| DESIGNED<br>TH 11/29/10  |  | DATE<br>11/29/10 |  | WORK ORDER |   | SUBMITTED:<br>TONG HONG<br>SENIOR CIVIL ENGINEER |  | APPROVAL:<br>DAN COLLEN<br>DEPUTY DIRECTOR |  |  |  |  |  | SHEET NO.<br>1 OF 3 |                               |  |
| DRAWN<br>TH 11/29/10   |  | DATE<br>11/29/10 |  | LEVEL BOOK |   | CHECKED  |  | DATE                                       |  | TRANSIT BOOK  |  | PROJECT NO.   |  | CONTRACT NO.        |                               |  |