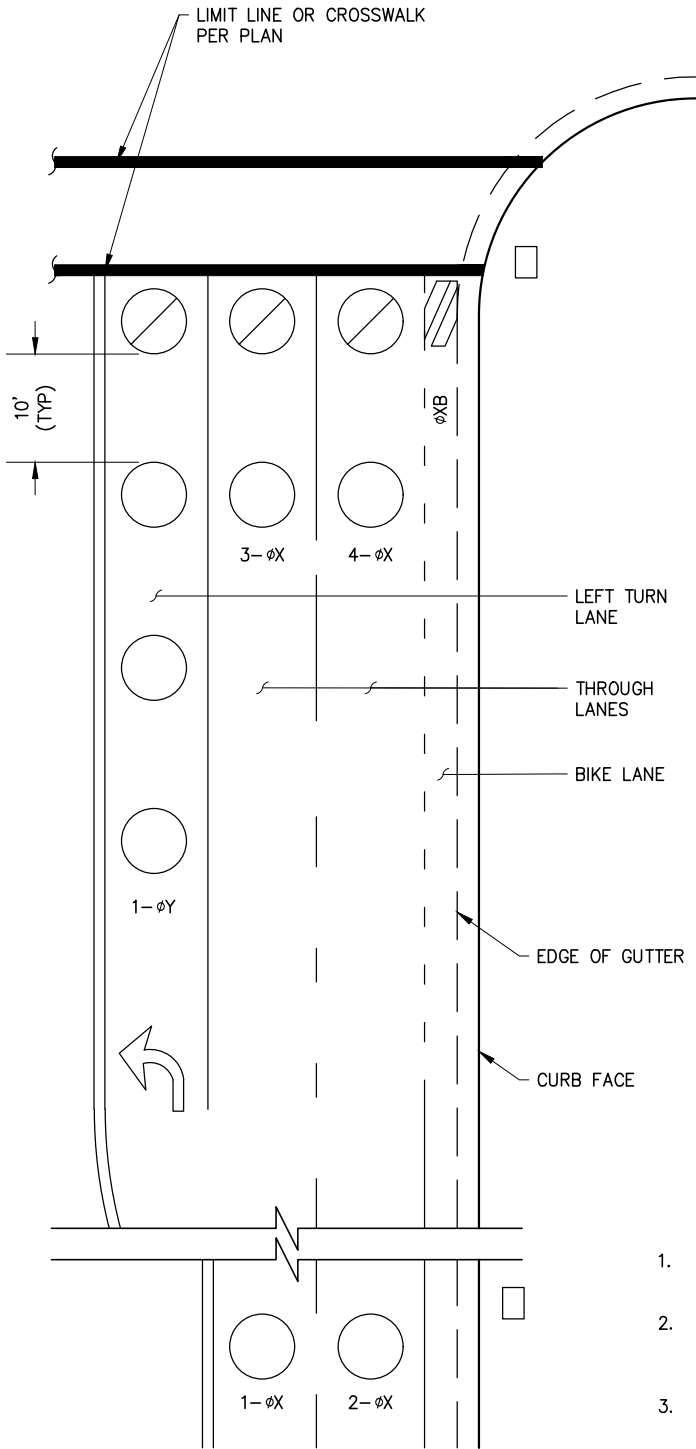





GENERAL LOOP DETECTOR LAYOUT




LEGEND:

- 1-φX DETECTOR INPUT FOR THROUGH PHASES
- 1-φY DETECTOR INPUT FOR LEFT TURN PHASES
- φXB BICYCLE LOOP DETECTOR INPUT
-  CALTRANS TYPE E LOOP DETECTOR
-  MODIFIED CALTRANS TYPE E LOOP DETECTOR (LEAD LOOPS - SEE SHEET 2)
-  CALTRANS TYPE D LOOP DETECTOR (BIKE LOOP)

NOTES:

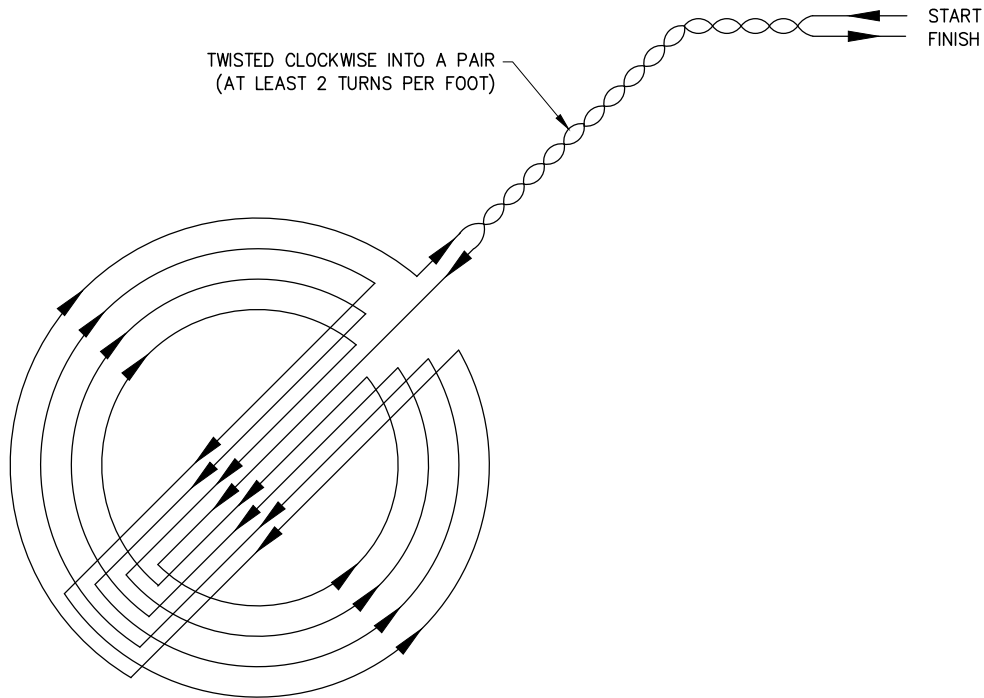
1. UNLESS OTHERWISE INDICATED, TYPE E AND MODIFIED TYPE E LOOP DETECTORS SHALL BE 6' DIAMETER AND TYPE D LOOP DETECTORS SHALL BE 3'X6'.
2. LOOP DETECTORS SHALL BE CENTERED IN THE LANE UNLESS OTHERWISE SHOWN. PLACE LEAD LOOP DETECTORS IMMEDIATELY IN ADVANCE OF LIMIT LINE OR CROSSWALK.
3. A MAXIMUM OF 4 LOOP DETECTORS SHALL BE ON 1 DETECTOR LEAD-IN CABLE (DLC).
4. SEE CITY STD 923 SHEET 2 FOR CALTRANS MODIFIED TYPE E LOOP DETECTOR WINDING DETAIL.
5. LOOP DETECTOR WIRE SHALL BE TYPE 2. LOOP DETECTOR LEAD-IN CABLE (DLC) SHALL BE TYPE B.
6. LOOP DETECTORS SHALL BE INSTALLED PER CALTRANS STANDARD PLAN ES-5A AND ES-5B.
7. LOOP DETECTOR SEALANT SHALL BE HOT-MELT RUBBERIZED ASPHALT SEALANT.

APP. 	51568 RCE	11/24/2020 DATE	
CITY ENGINEER			
			NO. DATE DESCRIPTION OF REVISIONS

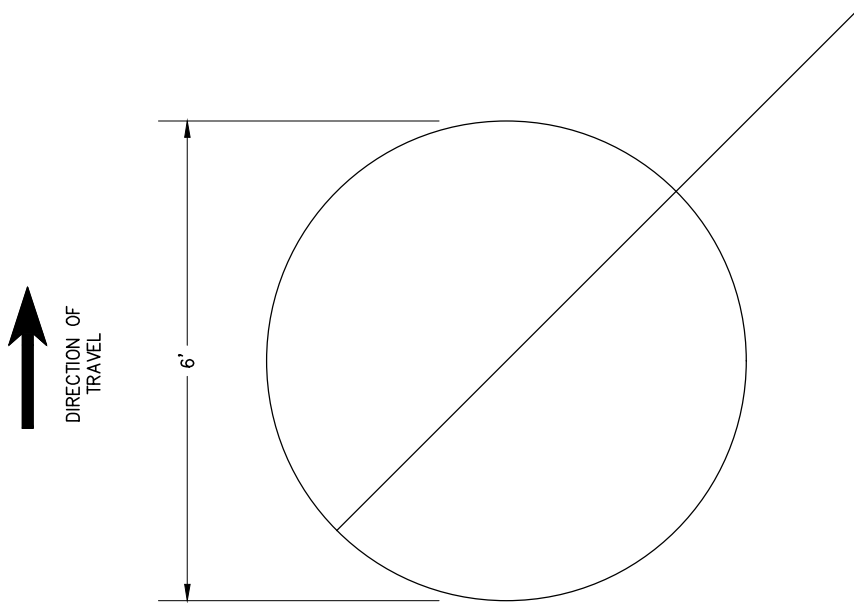
CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS

DRAWN: P. KHARAZMI	TRAFFIC SIGNAL LOOP DETECTORS	STANDARD DRAWING NO. 923
DATE: 11/3/2020		SHEET 1 OF 2

MODIFIED TYPE E DETECTOR (LEAD LOOP)



WINDING DETAIL
 MODIFIED TYPE E LOOP DETECTOR
 (NOT TO SCALE)



SAWCUT DETAIL
 MODIFIED TYPE E LOOP DETECTOR
 (NOT TO SCALE)

APP. <i>James M. Hinkle</i>	51568	11/24/2020			
CITY ENGINEER	RCE	DATE	NO.	DATE	DESCRIPTION OF REVISIONS

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS

DRAWN: P. KHARAZMI	<h1>TRAFFIC SIGNAL LOOP DETECTORS</h1>	STANDARD DRAWING NO.
DATE: 11/3/2020		<h1>923</h1>
		SHEET 2 OF 2