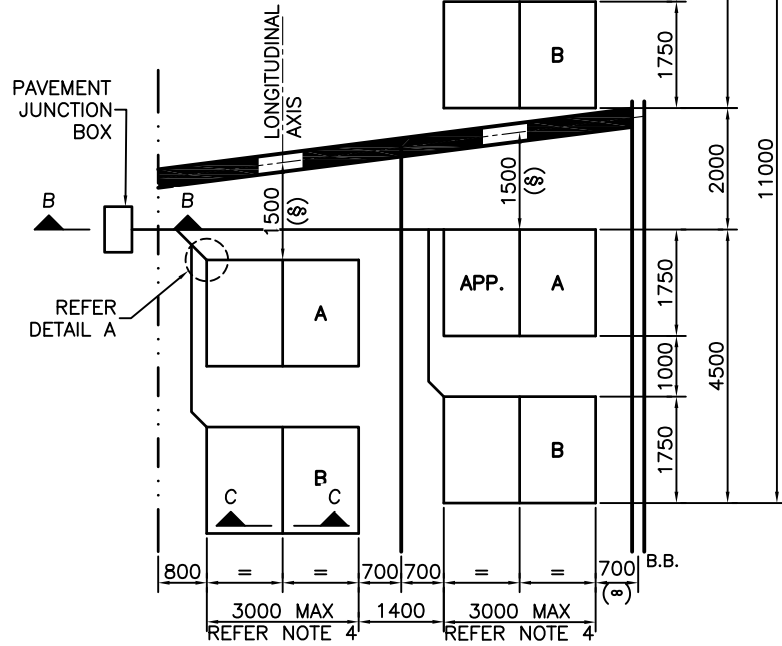


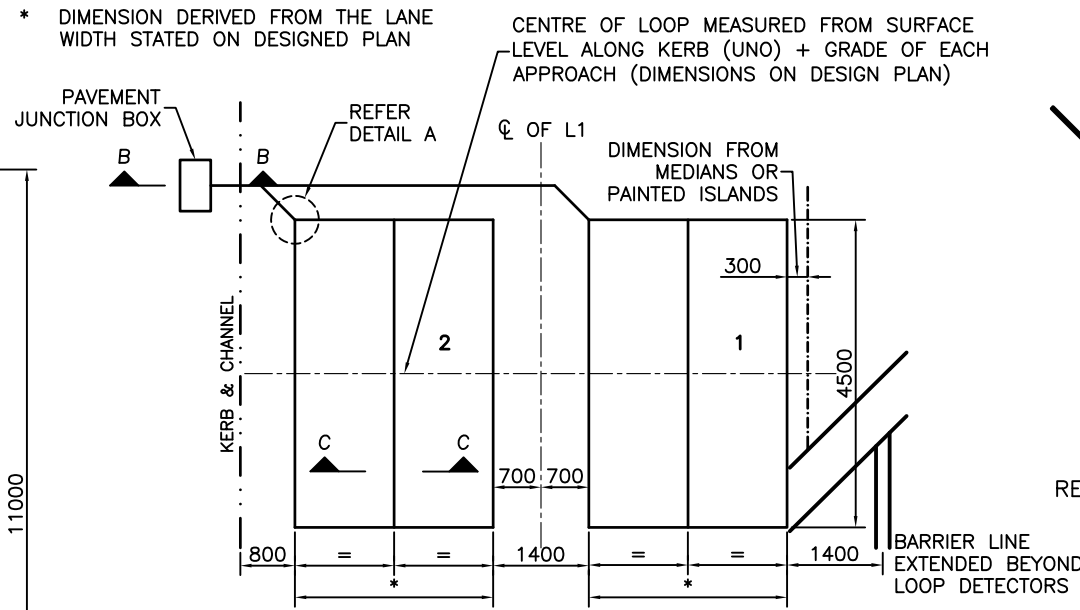
- 700mm DISTANCE TO BE 500mm WHEN THE LOOP IS BESIDE THE EDGE OF A RAISED MEDIAN, PAINTED MEDIAN EDGE OR EDGE LINE
- DISTANCE 1500mm FROM STOP LINE UNLESS OTHERWISE STATED ON DESIGN PLAN



TYPICAL INSTALLATION OF SYMMETRIPOLE STOP LINE DETECTORS

NOTES:

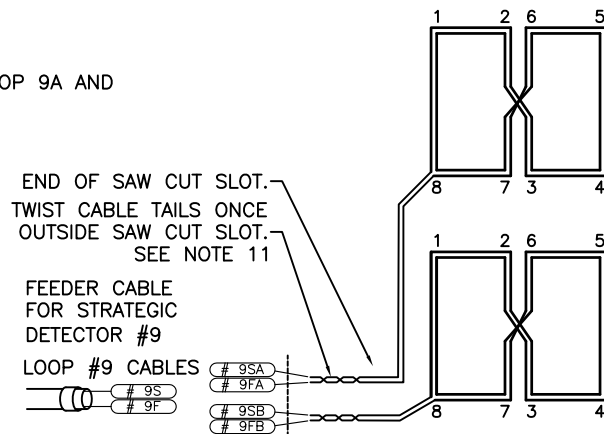
- LOOP DETECTOR CABLE & FEEDER TO BE JOINTED USING A WATERPROOF BUTT END CONNECTOR IN ASSIGNED PITS. EACH JOINT MUST BE SEPARATELY INSULATED. ALL JOINTS TO BE SEALED USING A WATERPROOF INSULATING SPLICE COVER (TYCO RVC-1V-[B5] OR APPROVED EQUIVALENT) TO PREVENT THE INGRESS OF MOISTURE.
- LOOP CABLE SHALL COMPLY WITH AS2276 PART 3.
- LOOP FEEDER CABLE SHALL COMPLY WITH AS2276 PART 2.
- WIDTH OF LOOP NOT TO EXCEED 3000mm. DIMENSION DERIVED FROM THE LANE WIDTH STATED ON DESIGNED PLAN.
- ALL LOOPS MAY BE INSTALLED UP TO 5m FROM THE STOPLINE IF ROAD PAVEMENT IS UNSATISFACTORY (EXCEPT FOR NON-LOCK AND PRESENCE TIMED DETECTORS).
- ALL LOOP CABLE ENDS TO BE LABELLED WITH HELAGRIP MARKERS (HG2-5) OR EQUIVALENT, START (S), FINISH (F) AND NUMBERED AS PER THE TYPICAL INSTALLATION i.e. FROM FRONT TO REAR, LEFT TO RIGHT IN NUMERICAL ORDER REGARDLESS THE PHASE OR P.J. BOX POSITION.
- ALL FEEDERS CABLES TO BE CONTINUOUS AND LABELLED (HELAGRIP HG4-9 OR EQUIVALENT) AT EACH END TO SHOW THE DETECTOR NUMBER AS PER DESIGN PLAN (eg. 1, etc)
- THE LOOP CABLE SHALL BE CONTINUOUS (i.e. NO JOINTS PERMITTED) BETWEEN S AND F.
- ALL LOOP CABLE LEADS SHALL RETURN TO A P.J.BOX IN THE FOOTPATH (OR MEDIAN IF A MIN 2.0m WIDE) EXCEPT THAT SEPARATION SHALL BE USED FOR ALL 11.0m LONG RIGHT TURN LOOPS OR THE 4.5m LONG LOOPS IN THE 2 LANES CLOSEST TO THE MEDIAN IN A FOUR (OR MORE) LANE APPROACH BY RETURNING TO A P.J. BOX IN THE MEDIAN (IF A MEDIAN POST IS REQUIRED).
- IF REQUIRED, FIT RETAINING WEDGES AT 300-400mm SPACING TO ENSURE LOOP CABLE DOES NOT MOVE WHILE SEALANT IS APPLIED. THE WEDGE MATERIAL TO BE RESILIENT AND IMPERVIOUS TO WATER AT THE INSTALLATION TECHNICIANS DISCRETION.
- LOOP TAILS (S AND F) TO EACH LOOP TO BE TWISTED TOGETHER (1 TURN PER 100mm) ONCE CABLE LEAVE SAW CUT SLOT.
- ALL DIMENSIONS IN MILLIMETRES (U.N.O.).



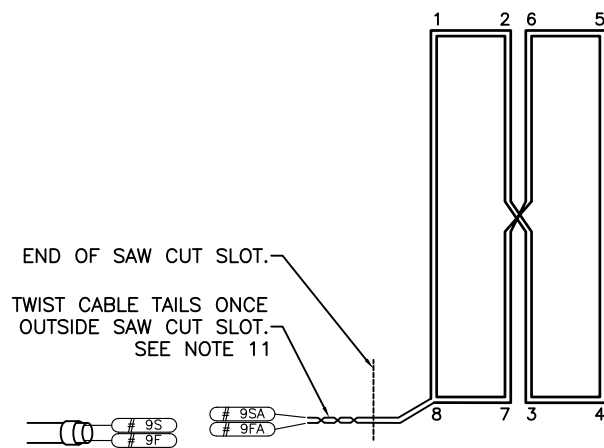
TYPICAL INSTALLATION OF QUADRUPOLE BUS PRIORITY & ADVANCE LOOP DETECTORS

LOOP FUNCTION

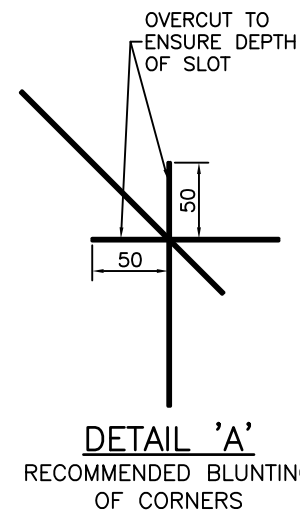
- STRATEGIC LOOP (USING LOOP 9A AND LOOP 9B)
 - #9S TO #9SA
 - #9FA TO #9FB
 - #9SB TO #9F



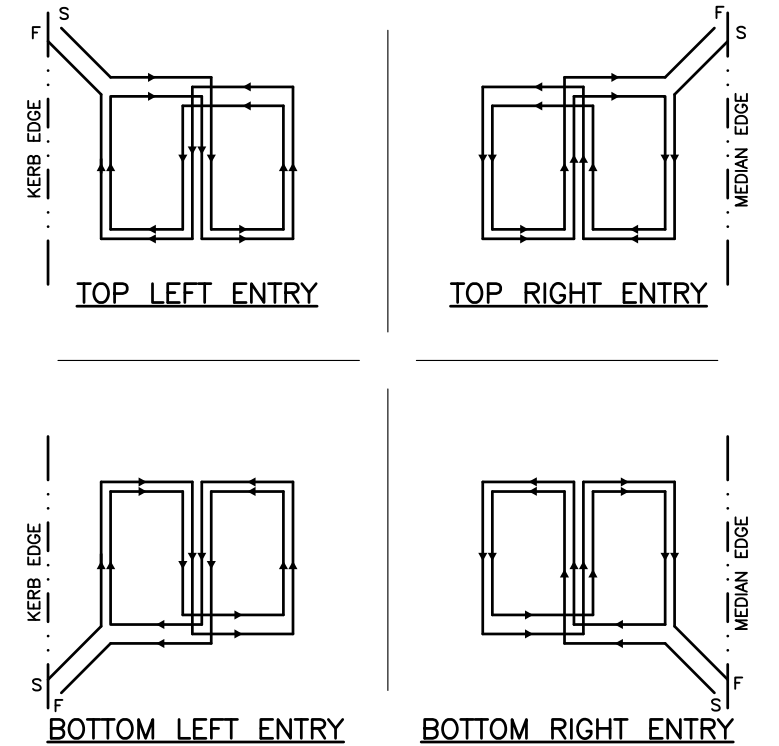
TYPICAL WINDING & TERMINAL DESIGNATION OF SYMMETRIPOLE LOOPS (STOP BAR)



TYPICAL CONNECTION & WIRING OF QUADRUPOLE LOOPS (ADVANCED/VID)



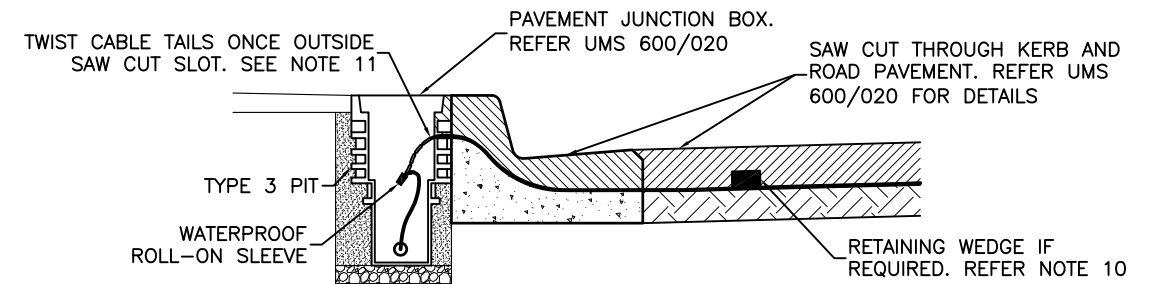
DETAIL 'A' RECOMMENDED BLUNTING OF CORNERS



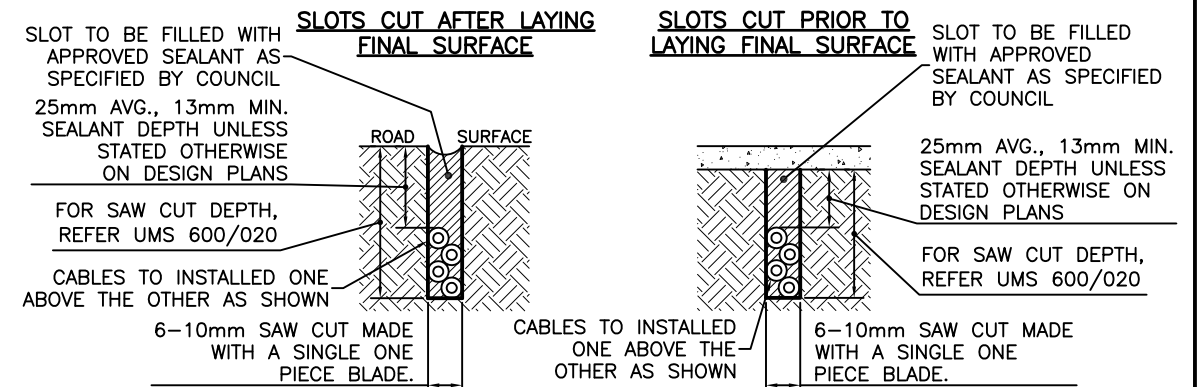
GUIDE FOR 4 POSSIBLE ENTRY POSITIONS

WIRING RULES:

- MARK START AT END OF CABLE;
- ALWAYS START OFF IN CLOCKWISE DIRECTION ON ENTRY FROM KERB OR MEDIAN.
- ALWAYS CHANGE DIRECTION AT THE CENTRE (LONGITUDINAL) CUT TO MAKE A 'FIGURE 8' PATTERN.
- ALWAYS FORM TWO 'FIGURE 8' PATTERNS FOR EACH LOOP SECTION.



SECTION B-B



SECTION C-C

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
D	Note 1 and Section B-B Modified.	DL 02/12	IC 2/4/12	GB 31/5/12
C	Dwg No. Changed, Sections B, C & Notes Amended	Nov '09	IC 12/10	PC 01/11
B	Details and Notes Modified on All Views.	Nov. '04	CIG 02/05	AG 02/05
A	ORIGINAL ISSUE	April '01	May '01	June '01

DESIGN AUTHORIZED FOR ISSUE B. BALL SIGNATURE ON ORIGINAL DATED 29/6/01	DESIGN	STD DWG GROUP	DATE	April '01
MANAGER ASSET SUPPORT - R.P.E.Q. 3 8 5 2	DRAWN	CITY DESIGN	DATE	April '01
DESIGN APPROVED K. MEMORY SIGNATURE ON ORIGINAL DATED 27/6/01	CHECKED	R. WILSON	DATE	May '01
SENIOR PROGRAM OFFICER NETWORK OPERATIONS - R.P.E.Q. 4 7 6 1	DRAWING FILENAME	UMS 600_021		
	ASSOCIATED PLANS	Previous Dwg No. UMS 650		



BRISBANE CITY COUNCIL STANDARD DRAWING

VEHICLE DETECTOR LOOP INSTALLATION DETAILS

SCALE: NOT TO SCALE

DWG No. UMS 600/021

ORIGINAL SIZE: A3

REVISION: D