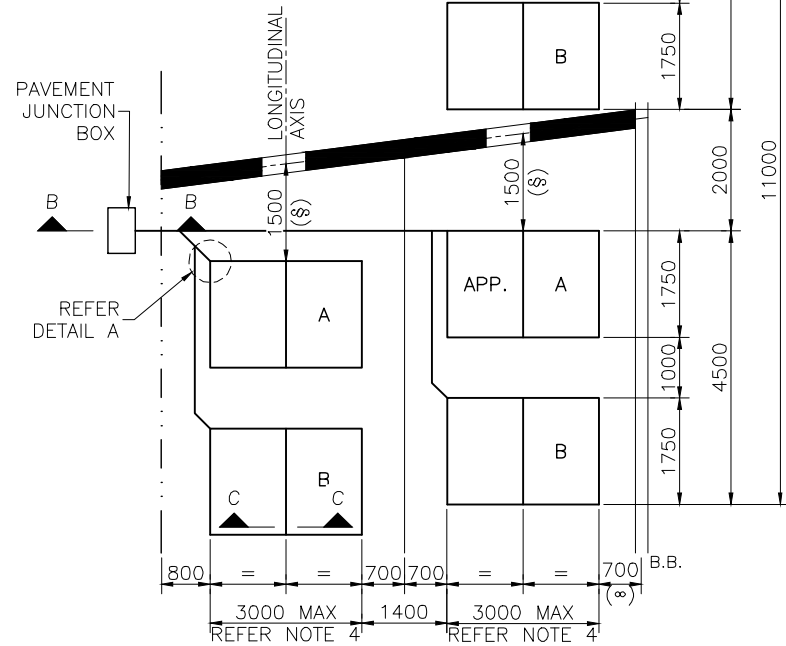


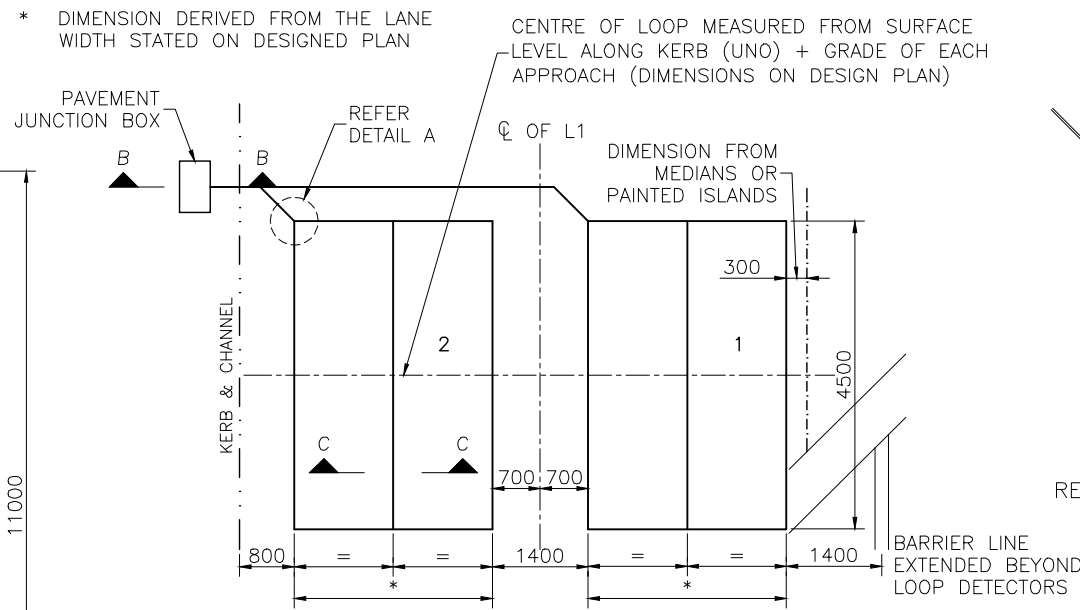
- ∞ 700mm DISTANCE TO BE 500mm WHEN THE LOOP IS BESIDE THE EDGE OF A RAISED MEDIAN, PAINTED MEDIAN EDGE OR EDGE LINE
- § DISTANCE 1500mm FROM STOP LINE UNLESS OTHERWISE STATED ON DESIGN PLAN



TYPICAL INSTALLATION OF SYMMETRIPOLE STOP LINE DETECTORS

NOTES:

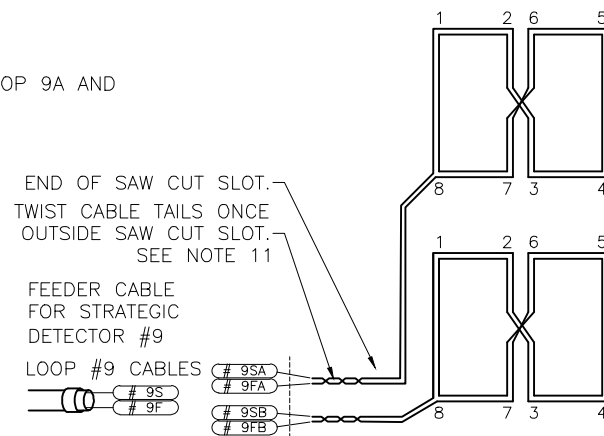
1. LOOP DETECTOR CABLE & FEEDER TO BE JOINTED USING A WATERPROOF BUTT END CONNECTOR IN ASSIGNED PITS. EACH JOINT MUST BE SEPARATELY INSULATED. ALL JOINTS TO BE SEALED USING A WATERPROOF INSULATING SPLICE COVER (TYCO RVC-1V-[B5] OR APPROVED EQUIVALENT) TO PREVENT THE INGRESS OF MOISTURE.
2. LOOP CABLE SHALL COMPLY WITH AS2276 PART 3.
3. LOOP FEEDER CABLE SHALL COMPLY WITH AS2276 PART 2.
4. WIDTH OF LOOP NOT TO EXCEED 3000mm. DIMENSION DERIVED FROM THE LANE WIDTH STATED ON DESIGNED PLAN.
5. ALL LOOPS MAY BE INSTALLED UP TO 5m FROM THE STOPLINE IF ROAD PAVEMENT IS UNSATISFACTORY (EXCEPT FOR NON-LOCK AND PRESENCE TIMED DETECTORS).
6. 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.
7. 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)
8. THE LOOP CABLE SHALL BE CONTINUOUS (i.e. NO JOINTS PERMITTED) BETWEEN S AND F.
9. 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).
10. 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.
11. LOOP TAILS (S AND F) TO EACH LOOP TO BE TWISTED TOGETHER (1 TURN PER 100mm) ONCE CABLE LEAVE SAW CUT SLOT.
12. ALL DIMENSIONS IN MILLIMETRES (U.N.O.).



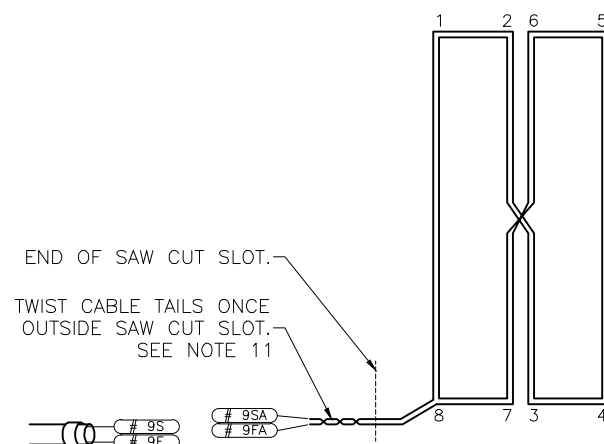
TYPICAL INSTALLATION OF QUADRUPOLE BUS PRIORITY & ADVANCE LOOP DETECTORS

LOOP FUNCTION

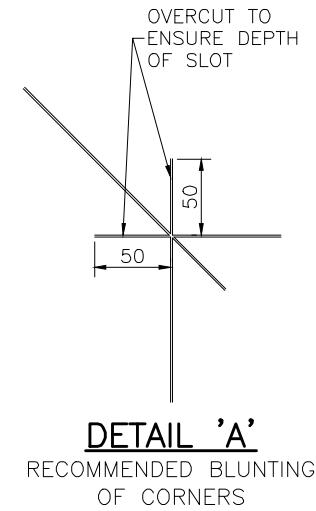
1. STRATEGIC LOOP (USING LOOP 9A AND LOOP 9B)
#9S TO #9SA
#9FA TO #9FB
#9SB TO #9F



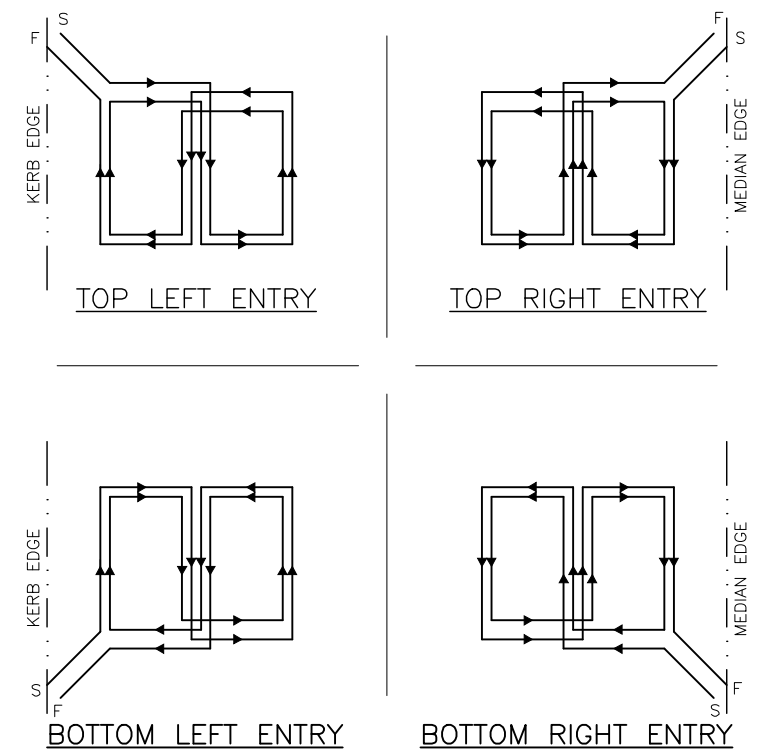
TYPICAL WINDING & TERMINAL DESIGNATION OF SYMMETRIPOLE LOOPS (STOP BAR)



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



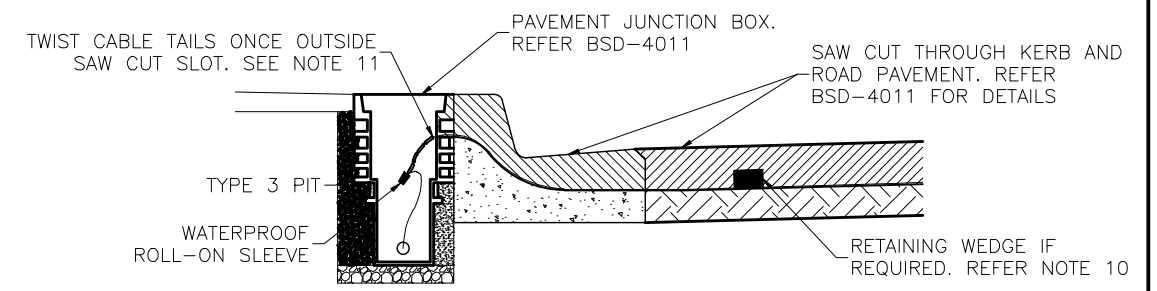
DETAIL 'A'
RECOMMENDED BLUNTING OF CORNERS



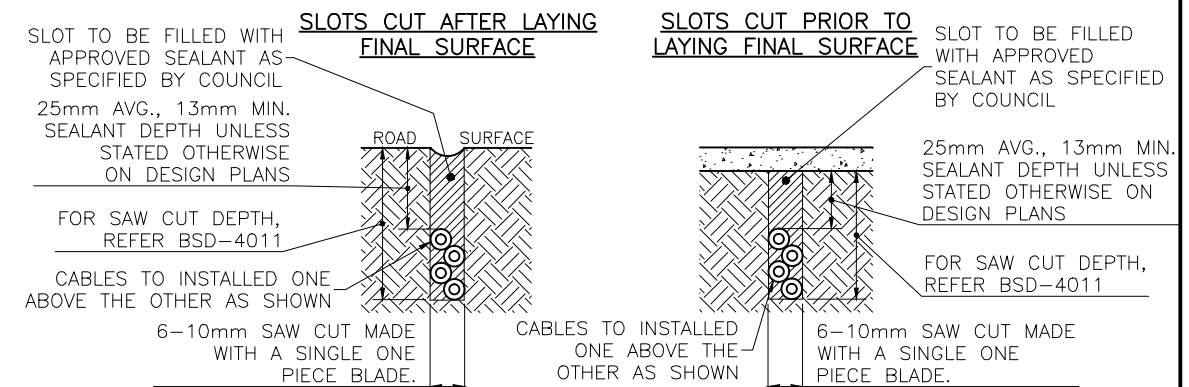
GUIDE FOR 4 POSSIBLE ENTRY POSITIONS

WIRING RULES:

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



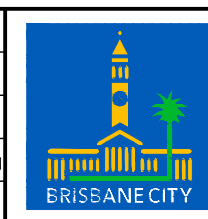
SECTION B-B



SECTION C-C

A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14
ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE

DRAWING AUTHORISED FOR PUBLICATION			
B. BALL SIGNATURE ON ORIGINAL DATED 29/6/01			
ASSET ENGINEERING MANAGER STRATEGIC ASSET MANAGEMENT			
DESIGN APPROVED			
K. MEMORY SIGNATURE ON ORIGINAL DATED 27/6/01			
SENIOR PROGRAM OFFICER NETWORK OPERATIONS - R.P.E.Q. 4, 7, 6, 1			
DESIGN	Std Dwgs WG	DATE	April '01
DRAWN	CPO - P&D	DATE	April '01
CHECKED		DATE	May '01
DRAWING FILENAME	BSD-4012 (A) Vehicle detector loop installation details dwg		
ASSOCIATED PLANS	SUPERSEDES UMS-600-021		



BRISBANE CITY COUNCIL STANDARD DRAWING	
VEHICLE DETECTOR LOOP INSTALLATION DETAILS	
SCALE	NOT TO SCALE
DWG No.	BSD-4012
ORIGINAL SIZE	A3
REVISION	A