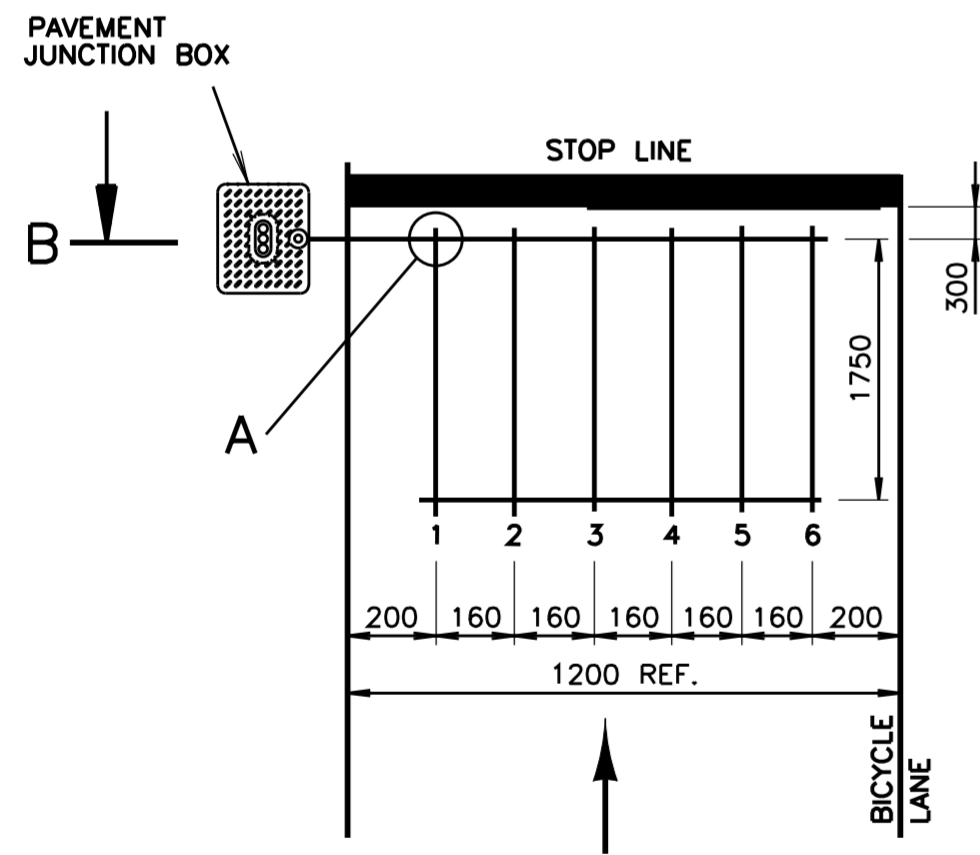
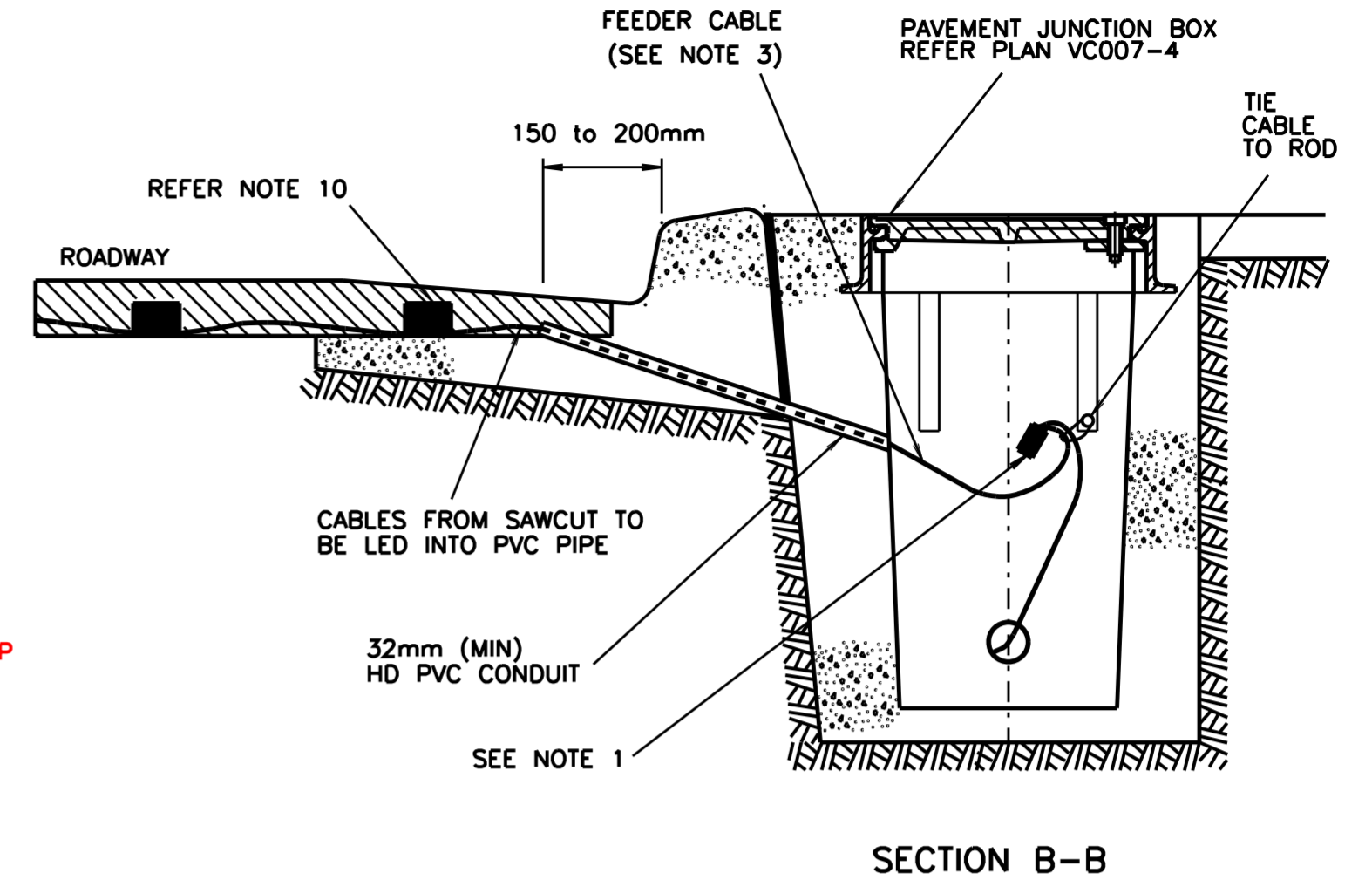
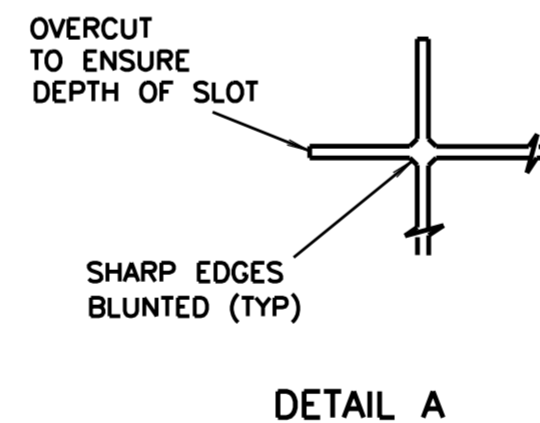


THE TWO IDENTICAL QUADRUPOLE LOOPS REQUIRED FOR EACH BICYCLE LANE APPROACH ARE TO BE INSTALLED IN ADJACENT LONGITUDINAL SAWCUTS.



DIMENSIONS IN MILLIMETRES (NTS)  
TYPICAL INSTALLATION OF BICYCLE STOP LINE DETECTORS



NOTES

1. LOOP DETECTOR CABLE AND FEEDER CABLE SHOULD BE JOINED AND SWEATED IN FOOTPATH PITS. EACH JOINT MUST BE SEPARATELY INSULATED WITH A 6mm PD CAP HEAT SHRINK. (RAYCHEM OR APPROVED EQUIVALENT). TO PREVENT THE INGRESS OF MOISTURE AT JOINTS, APPLY METHOD SHOWN ON DRAWING VM417-4 TO FEEDER CABLE.
2. LOOP CABLE SHALL COMPLY WITH AS 2276 PART 3.
3. LOOP FEEDER CABLE SHALL COMPLY WITH AS 2276 PART 2.
4. ALWAYS FORM THREE "FIGURE 8" PATTERNS FOR EACH LOOP SECTION AS SHOWN IN WIRING OF LOOPS DETAIL.
5. ALL LOOP CABLE ENDS TO BE LABELLED START (S), FINISH (F) WITH HELAGRIP (HG2-5) OR EQUIVALENT AND NUMBERED AS PER THE TYPICAL INSTALLATION ie FROM LEFT TO RIGHT IN NUMERICAL ORDER REGARDLESS OF PHASE OR P.J. BOX POSITION.
6. ALL FEEDER CABLES TO BE LABELLED (HELAGRIP HG4-9 OR EQUIVALENT) AT EACH END TO SHOW THE DETECTOR NUMBER AS PER DESIGN PLAN (eg 1, 2, 3 ETC).
7. THE LOOP CABLE SHALL BE CONTINUOUS (ie NO JOINTS PERMITTED) BETWEEN F AND S
8. ALL LOOP CABLE LEADS SHALL RETURN TO A P.J. BOX IN THE FOOTPATH THE PAVEMENT JUNCTION PIT IS TO BE INSTALLED NO GREATER THAN 1.0 m FROM THE KERB.
9. FIT RETAINING WEDGES AT 300 TO 400mm SPACING TO ENSURE LOOP CABLE DOES NOT MOVE WHILE SEALANT IS APPLIED. THE WEDGE MATERIAL TO BE RESILIENT AND BE IMPERVIOUS TO WATER.
10. THE LOOP FEEDER CABLE TO BE CONTINUOUS (ie NO JOINTS PERMITTED)
11. LEFT LOOP CABLE TO BE INSTALLED IN THE LONGITUDINAL SAWCUTS 1,3 AND 5. RIGHT LOOP CABLE TO BE INSTALLED LONGITUDINAL SAWCUTS 2,4 AND 6.
12. THE DIMENSIONS SHOWN IN THE TYPICAL INSTALLATION IS FOR A 1.2m WIDE BICYCLE LANE IF THE LANE WIDTH IS GREATER THEN 1.2m THEN THE SPACE BETWEEN THE LONGITUDINAL SAWCUTS CAN BE INCREASED EVENLY UP TO A MAX OFF 300mm.
13. THE TWO LOOPS ARE TO BE ALLOCATED SEPARATE DETECTOR INPUT NUMBERS AND ARE TO BE CONNECTED TO SEPARATE SENSORS IN THE CONTROLLER AND EACH LOOP TO BE LABELLED L (LEFT) AND R (RIGHT). eg. "C1L" AND "C1R".

ORIGINAL ISSUE	REFERENCE DRAWINGS		DRAWN D. BAIGORRIA	ROADS AND MARITIME SERVICES		SHEET SIZE A2	FILE NO	SCALE NTS	SHEET NO -
	PJ BOX LID	VM016-10	CHECKED B. TAYLOR	TRAFFIC SIGNALS		SUPERSEDES		ISSUE A	
	PJ BOX PIT	VC007-4	PASSED B. TAYLOR	METHOD OF INSTALLATION OF BICYCLE STOP LINE DETECTORS		REG NO		VC005-36	
	DET WIRING GUIDE	VC005-37	APPROVED SUNIL SRIVASTAVA						
			DATE 06-06-2012						