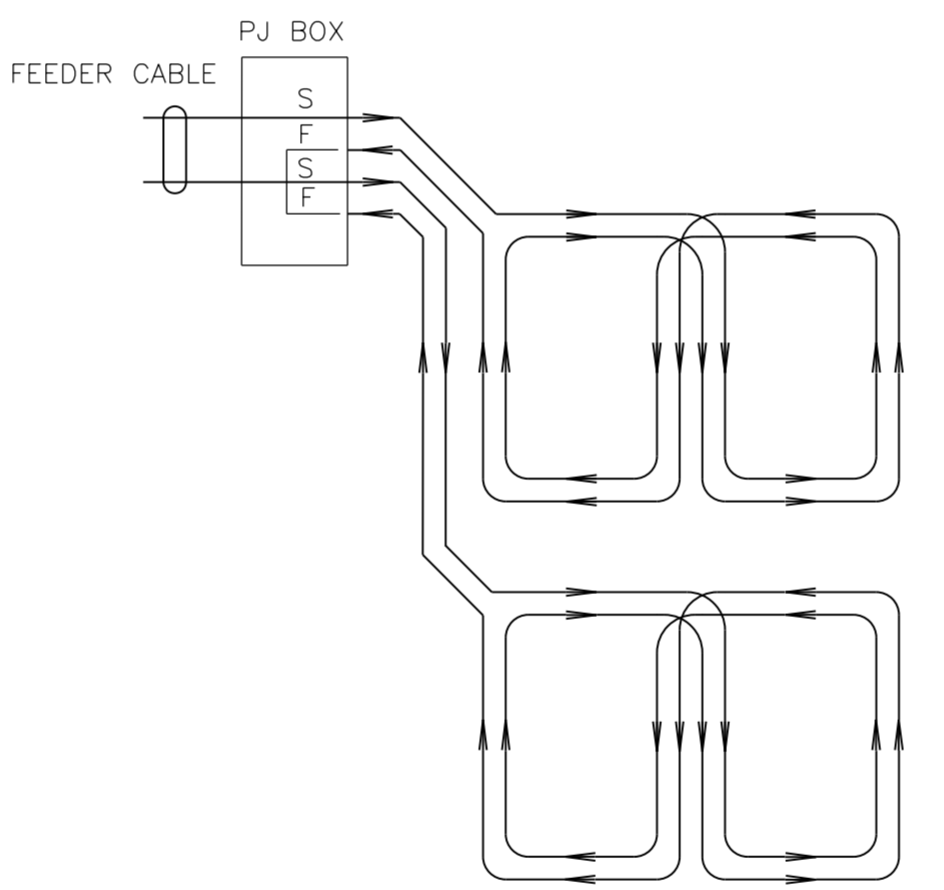
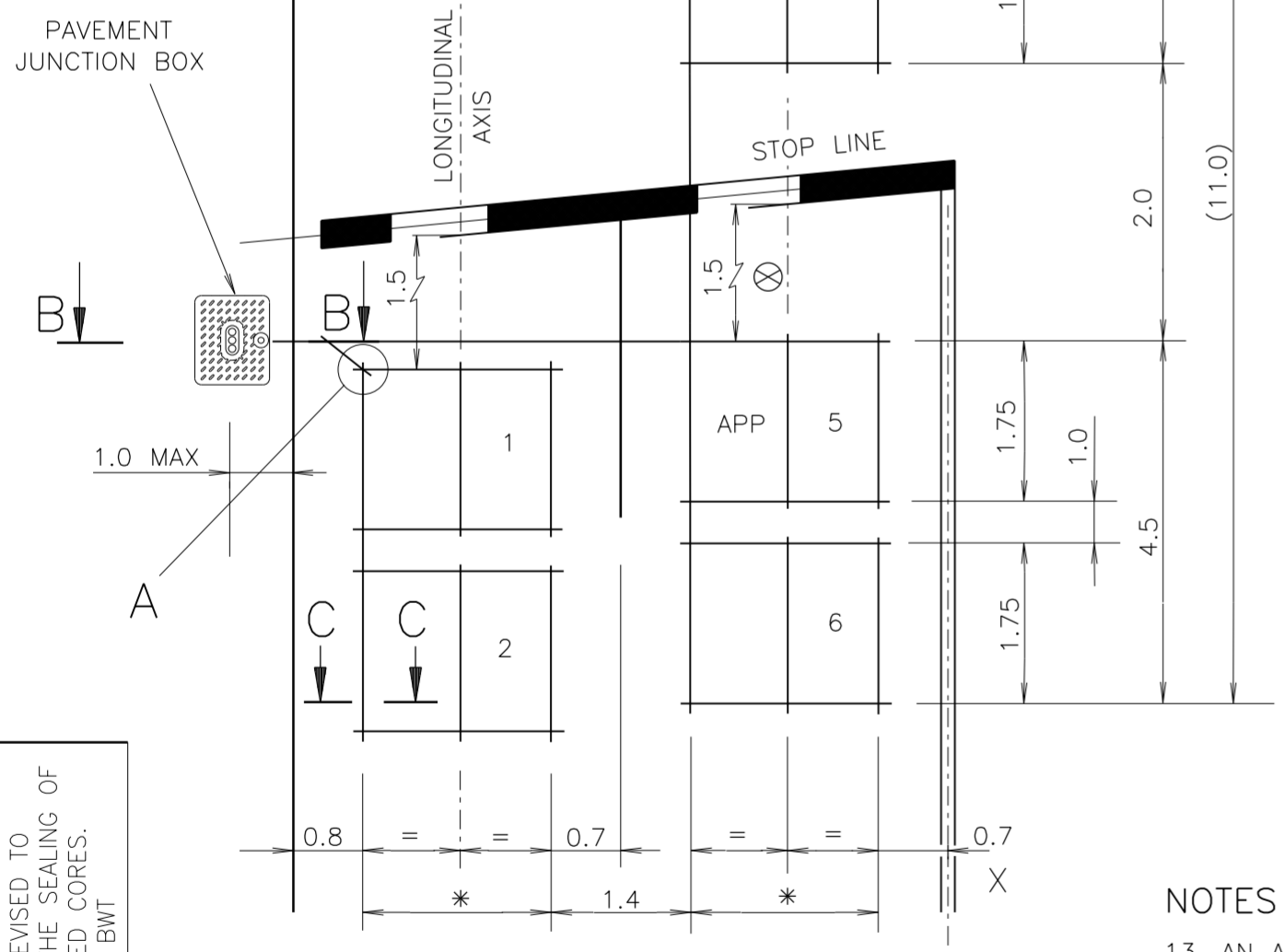


- \* DIMENSION DERIVED FROM THE LANE WIDTH STATED ON DESIGN PLAN
- X 0.7m DISTANCE TO BE 0.5m WHEN THE LOOP IS BESIDE THE EDGE OF A RAISED MEDIAN, PAINTED MEDIAN OR EDGE LINE
- ⊗ DISTANCE 1.5m FROM STOP LINE UNLESS OTHERWISE STATED ON DESIGN PLAN



TYPICAL CONNECTION & WIRING OF LOOPS  
FOR DETAILS OF WIRING RULES AND ALTERNATIVE ENTRY POSITIONS REFER TO DWG VC005-19

IF ROAD SHOULDERS ARE UNSEALED REFER TO SECTION B-B ON DWG VC005-18

SECTION B-B

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). ALL UNUSED MULTIPAIR CABLE CORES TO BE SEALED AT THE PIT WITH PD CAPS. 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. ALL LOOPS MAY BE INSTALLED UP TO 5m FROM THE STOPLINE WHEN ROAD PAVEMENT IS UNSATISFACTORY (EXCEPT FOR NON-LOCK AND PRESENCE TIMED DETECTORS).
5. ALL LOOP CABLE ENDS TO BE LABELLED START (S), FINISH (F) AND NUMBERED AS PER THE TYPICAL INSTALLATION ie FROM FRONT TO REAR, LEFT TO RIGHT IN NUMERICAL ORDER REGARDLESS OF PHASE OR PJ BOX POSITION.
6. ALL FEEDER CABLES TO BE LABELLED AT THE CONTROLLER END TO SHOW THE DETECTOR NUMBER AS PER DESIGN PLAN (eg. 1, 2, 3 ETC) & AT THE PIT END TO SHOW THE LOCATION OF THE LOOP IN RELATION TO THE APPROACH, eg. L, C, R, DEP, APP ETC. ADDITIONALLY, IN SITUATIONS WHERE A MULTI-PAIR CABLE IS USED, THE COLOUR OF EACH PAIR IS TO BE ALLOCATED IN THE SAME ORDER IN THE PIT AS SHOWN ABOVE, eg. BLACK (L), RED (CL), WHITE (CR), BLUE (R), ORANGE (DEP), GREY (APP).
7. THE LOOP CABLE SHALL BE CONTINUOUS (ie NO JOINTS PERMITTED) BETWEEN F AND S.
8. ALL LOOP CABLE LEADS SHALL RETURN TO A PJ BOX IN THE FOOTPATH (OR MEDIAN IF A MINIMUM 2 METRES WIDE). THE PAVEMENT JUNCTION PIT IS TO BE INSTALLED NO GREATER THAN 1.0 m FROM THE KERB.
9. DETAIL 'D' SHOWS THE RECOMMENDED METHOD FOR PROTECTING LOOP CABLES CROSSING A STRESS JOINT.
10. 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.
11. THE LOOP FEEDER CABLE TO BE CONTINUOUS (ie NO JOINTS PERMITTED).
12. UNLESS OTHERWISE DIRECTED, ALL LOOP ENTRY PITS SHALL BE INSTALLED ON THE APPROACH SIDE OF THE POST, WELL CLEAR OF THE KERB RAMPS. LOOP CABLE SAW-CUTS SHALL BE KEPT CLEAR OF THE PEDESTRIAN CROSSINGS WHERE POSSIBLE, DUE TO THE POSSIBILITY OF THE LOOP CABLES BECOMING EXPOSED AND CREATING A TRIP HAZARD.

NOTES CONT'D

13. AN ADDITIONAL PAVEMENT JUNCTION PIT SHALL BE INSTALLED FOR LOOP CABLE CONNECTIONS IF THE NUMBER OF 4.5m LOOPS EXCEEDS THREE AND THE NUMBER OF 29 CORE CABLES PASSING THROUGH THE SAME PIT EXCEEDS TWO, UNLESS OTHERWISE DIRECTED BY THE RMS REPRESENTATIVE. NOTE THAT THE 11m LOOP IS CONSIDERED TO BE 2 x 4.5m LOOPS.

'Q' ISSUE 03-07-2017  
 NOTE 1 REVISED TO INCLUDE THE SEALING OF ALL UNUSED CORES.  
 BWT  
 IH

'H' ISSUE 06-08-98 J/1 TC2547 PLAN RE-DRAWN. NOTE 11 ADDED. IN DETAIL A HOLE IS NO LONGER DRILLED AND EDGES TO BE BLUNTED. RVC BWT	'I' ISSUE 31-10-2007 NOTE 8 REVISED TO SUIT OH&S. BWT	'J' ISSUE 22-11-2007 ALTER NOTE 8. PJB DISTANCE TO KERB SPECIFIED. BWT	'K' ISSUE 30-11-2009 DIMENSION 150 TO 200mm re CABLE ENTRY DRILL HOLE ADDED TO SECTION B-B. AP BWT	'L' ISSUE 22-02-2011 DIMENSION 1.5m TO THE FRONT OF THE LOOP WAS FROM THE CENTRE OF THE STOP LINE. LC. BWT.	'M' ISSUE 20-8-2013 HELAGRIP MARKERS DELETED FROM NOTES 5&6. NOTE 6 REVISED TO CHANGE TO A LOOP LOCATION LABEL AT THE PIT END. LC. BWT.	'N' ISSUE 10-05-2016 NOTE 12 ADDED. DB. BWT.	'O' ISSUE 08-09-2016 NOTE 13 ADDED. DB. BWT.	'P' ISSUE 15-06-2017 NOTE 6 REVISED. BWT. IH
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REFERENCE DRAWINGS	
PASS DET INSTALL	VC005-18
PJ BOX LID	VM016-10
PJ BOX PIT	VC007-4
DET WIRING GUIDE	VC005-19
STD DETECTOR DIM	VC005-15
DET TEST PROCED	VC005-22

DRAWN A DIXON	CHECKED RB	PASSED BWT 27-01-83	APPROVED
F HULSCHER			
DATE 01-02-83			

ROADS AND MARITIME SERVICES TRAFFIC SIGNALS	SHEET SIZE A2	FILE NO	SCALE	SHEET NO
METHOD OF INSTALLATION OF STOP LINE DETECTORS		SUPERSEDES REG NO	ISSUE G	ISSUE H I J K L M N O P Q
		VC005-17		