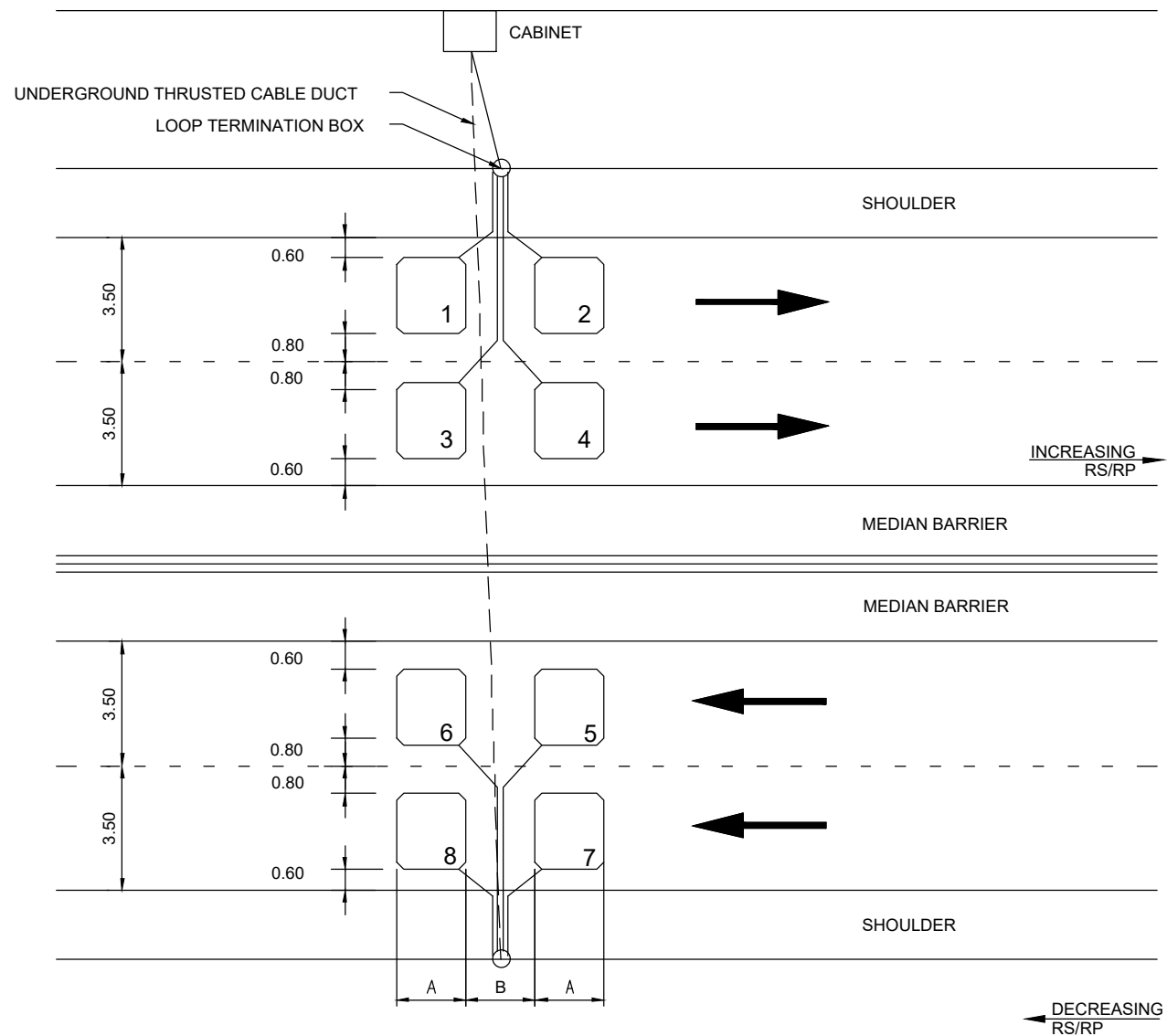


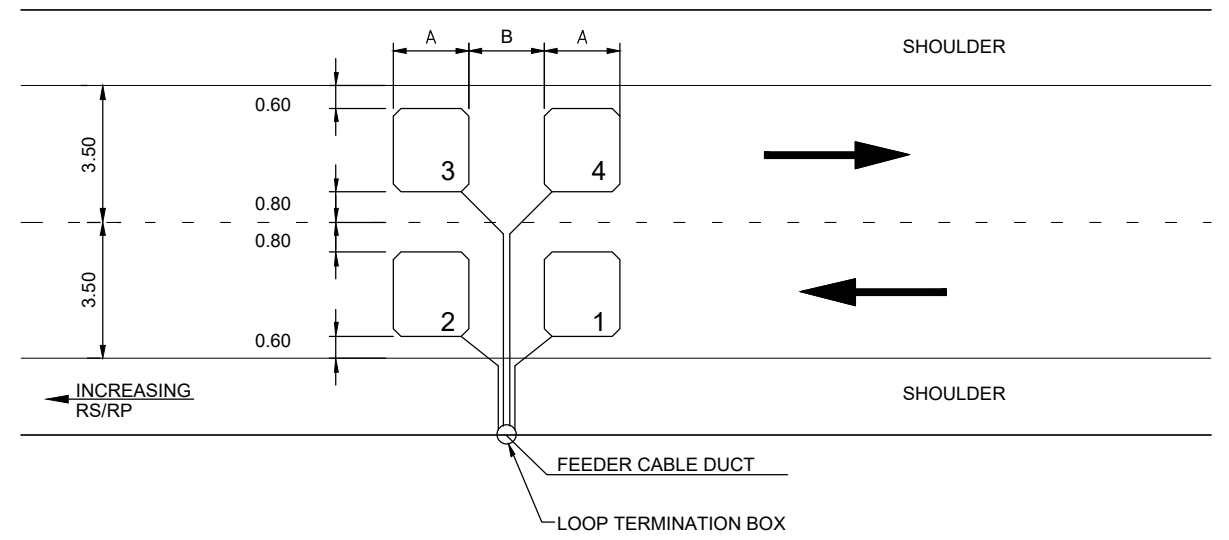
200 mm  
100  
50  
10 mm  
0



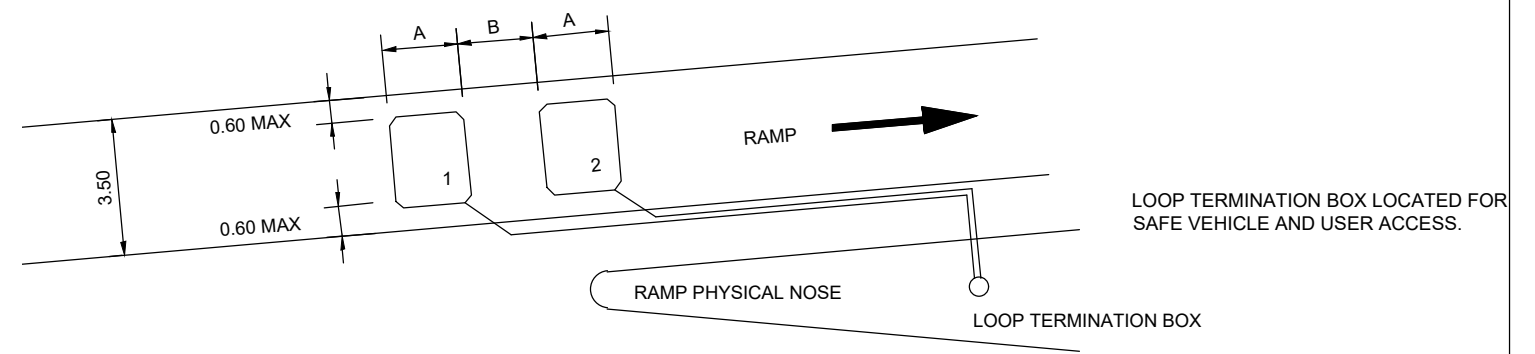
MAINLINE LOOPS FOR MULTIPLE UNIDIRECTIONAL LANES (I.E. MOTORWAY/ EXPRESSWAY)

LOOP DIMENSIONS  
(TOLERANCE TO THE CM)

TYPICAL TRAFFIC CONDITIONS	LOOP (A)/m	GAP (B)/m
FREE FLOW	2.00	2.00
CONGESTION	2.00	1.00
QUEUEING	1.00	1.00



MAINLINE LOOPS FOR TWO WAY ROADS



NON-CONTINUOUS COUNT SITE ON RAMP & OFF-RAMP LOOPS

NOTES:

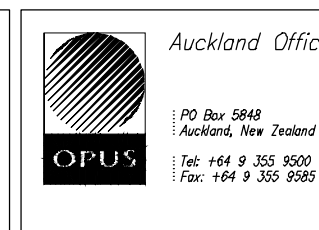
1. DETECTOR LOOP WIRE SHALL CONSIST OF SINGLE CORE POLYPROPYLENE INSULATED CABLE WITH A NOMINAL CROSS SECTION AREA OF 1.5 mm<sup>2</sup>, THE CABLE SHALL BE LAID IN ONE CONTINUOUS LENGTH AND SHALL BE LAID THREE TIMES AROUND EACH LOOP.
2. LOOP CABLE SHALL COMPLY WITH AS/NZS2276.3 - 2002 "CABLES FOR TRAFFIC SIGNAL INSTALLATIONS, PART 3 - LOOP CABLE FOR VEHICLE DETECTORS".
3. LOOPS SHALL BE CUT WITH 200mm x 200mm CHAMFERS AT EACH CORNER.
4. DETECTOR LOOP WIRE SHALL BE INSTALLED IN A SAW CUT SLOT THAT IS APPROXIMATELY 4 mm TO 6mm WIDE AND 75 mm DEEP TO PROVIDE A MINIMUM TOP COVER OF 35 mm.
5. ALL SAW CUTS SHALL BE STRAIGHT AND SHALL EXTEND PAST THE LOOP CORNERS TO ENSURE THE FULL DEPTH OF THE SAW CUT.
6. THE LOOP CABLE SHALL BE "ROLLED" INTO THE SLOT WITHOUT DAMAGING THE INSULATION.
7. THE LOOP WIRE SHALL BE SEALED WITH TIXOPHALTE OR AN APPROVED EQUIVALENT FLEXIBLE EPOXY SEALANT.

DISCLAIMER: SEE SHEET 000-0000-0-7104-00

1:100 @ A1  
1:200 @ A3

REVISION	DATE	BY	CHECKED	DATE
DESIGN	11/10	TLH		
DRAWN	11/10	JNF		
RECOM'D	10/8/11	T.L. HARRIS		
APPROVED	8/11	S.D. HEWETT		
R2	14/06/17	PTA		
R1	13/2/15	TLH		
AMENDMENT	APP'D	DATE		

GRAPHIC SCALES



TITLE					
NEW ZEALAND TRANSPORT AGENCY INTELLIGENT TRANSPORT SYSTEM STANDARD					
TRAFFIC COUNTING LOOP DETAILS					
STATUS	STANDARD	FILE	000-0000-0-7104-07-R2		
SCALE	1:100(A1)	PLOT DATE	15/06/17 @ 07:51	FEATURE IDENTIFIER	1/1061/370
		CODE	7104	SHEET	07
		REVISION			R2

k:\atms\000-0000-0-7104\1\_1061\_370\_7104\_07r2.dwg - 07 ORIGINAL SHEET SIZE A3 [420x297]