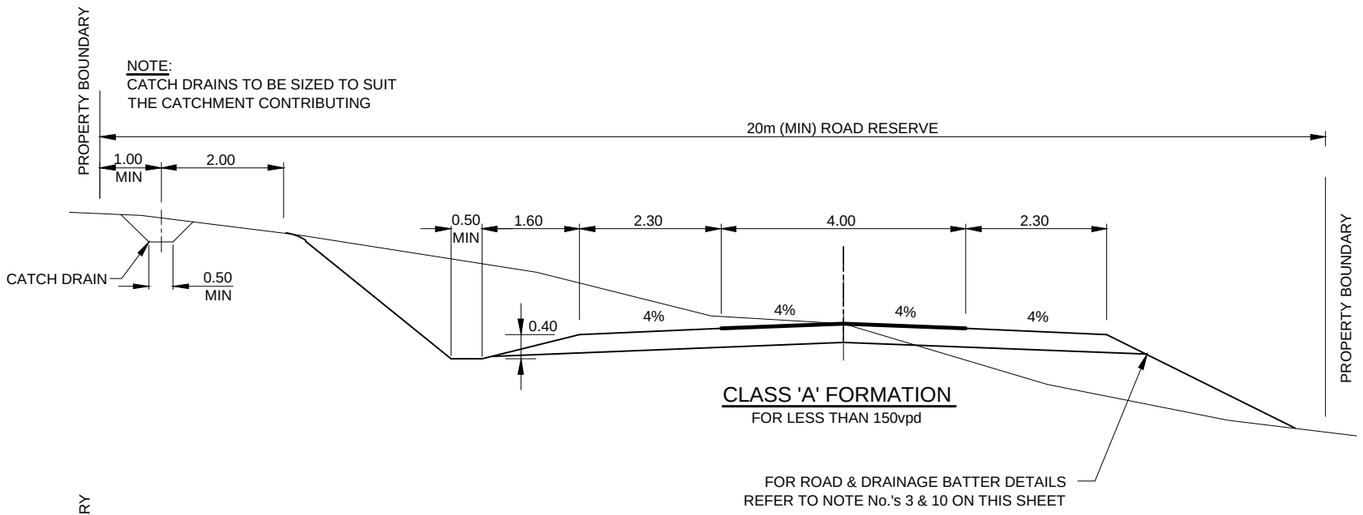
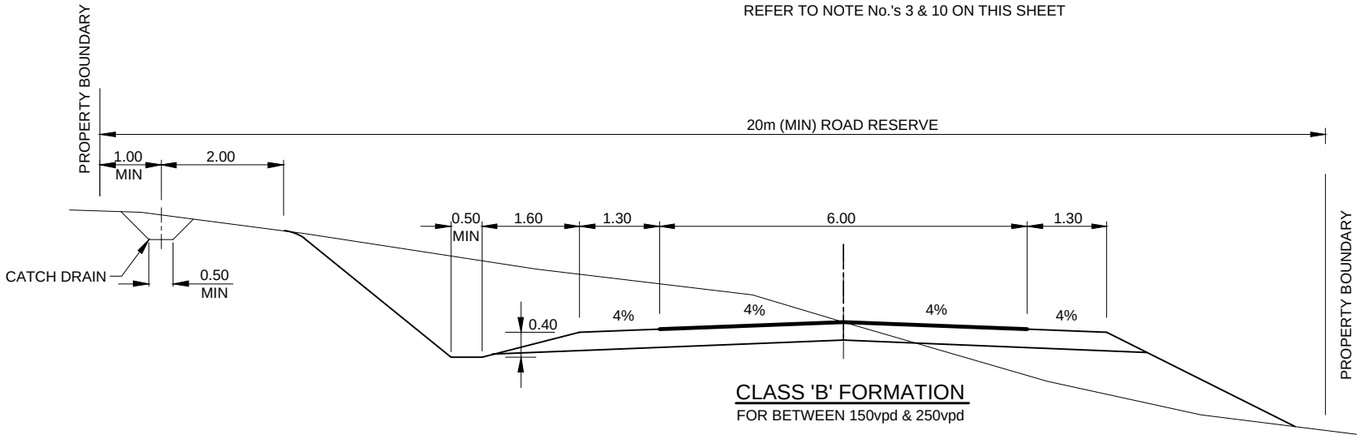
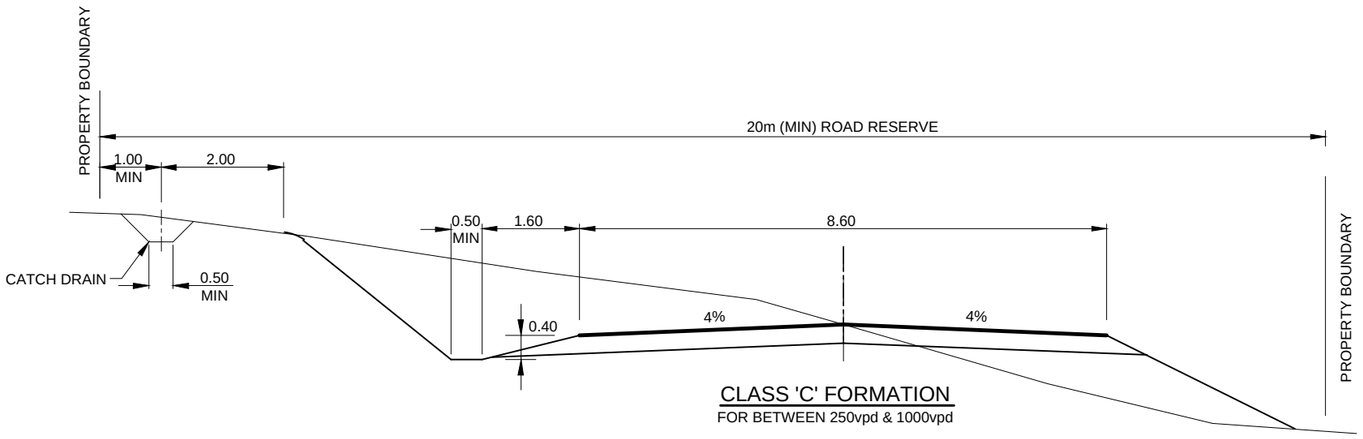


CLASS 'A' FORMATION
FOR LESS THAN 150vpd



CLASS 'B' FORMATION
FOR BETWEEN 150vpd & 250vpd



CLASS 'C' FORMATION
FOR BETWEEN 250vpd & 1000vpd

RURAL ROAD CLASS	CLASS vpd RANGE	WIDTH OF SEAL	LINE MARKING	UNSEALED SHOULDER WIDTH (EACH SIDE)	NOMINAL WIDTH OF FORMATION
CLASS 'A'	<150	4.0	NONE	2.3 Gravel	8.6
CLASS 'B'	150-250	6.0	NONE	1.3 Gravel	8.6
CLASS 'C'	250-1000	8.6	NONE	NIL	8.6
CLASS 'D'	1000-2000	9.6	CENTRE + EDGE AT 3.5m	NIL	9.6
ARTERIAL	>2000	11.0	CENTRE + EDGE AT 3.5m + RAISED REFLECTOR PAVEMENT MARKERS	NIL	11.0

CROSS SECTION ELEMENTS
MINIMUM STANDARDS (RURAL ROADS)

NOTES

1. ASSUME TRAFFIC GENERATION RATE OF 6.5 VEHICLES / DAY / ALLOTMENT IN THE ABSENCE OF EXISTING TRAFFIC COUNTS. IT MAY BE NECESSARY TO INCREASE FORMATION WIDTH TO ULTIMATE LAND USE EXPECTATIONS WHERE STAGED UPGRADES ARE NOT FEASIBLE.
2. PAVEMENT CROSSFALLS ON STRAIGHTS TO BE:
   (i) 4% BITUMEN SEALED PAVEMENTS.
   (ii) 4% GRAVEL PAVEMENTS AND SHOULDERS.
3. CUT AND FILL SLOPES FOR ROAD & DRAINAGE BATTERS ARE TO BE IN ACCORDANCE WITH TWEED SHIRE COUNCIL'S DEVELOPMENT DESIGN SPECIFICATION - D1 - SECTION D1.25.
4. IF PAVEMENT DEPTH IS GREATER THAN 350mm, THE TABLE DRAIN SHALL BE DEEPENED AND WIDENED TO ENSURE IT IS 50mm DEEPER THAN THE UNDERSIDE OF PAVEMENT.
5. KERB & GUTTER & FULL SHOULDER SEAL SHALL BE PROVIDED IF LONGITUDINAL GRADES EXCEED 8% (OR WHERE SOIL TYPES ARE VULNERABLE TO EROSION).
6. TABLE DRAINS SHALL BE CONCRETE LINED WHERE LONGITUDINAL GRADES ARE LESS THAN 0.5% OR GREATER THAN 5%.
7. CATCH DRAINS SHALL BE CONCRETE LINED WHERE LONGITUDINAL GRADES ARE LESS THAN 0.5% OR GREATER THAN 5%.
8. SHOULDER WIDTHS SHALL BE INCREASED BY 1.5m WHERE A ROAD SAFETY BARRIER IS TO BE INSTALLED. THE ROAD SHOULDER IS TO BE SEALED AND A 100mm HIGH AC BERM CONSTRUCTED TO INTERCEPT ROAD RUNOFF. RUNOFF IS TO BE CONVEYED BY FLUME DRAINS TO NATURAL SURFACE.
9. A 6m FORMATION WITH FULL WIDTH GRAVEL PAVEMENT OF MINIMUM 150mm ROADBASE DEPTH, IS REQUIRED WHERE A DEVELOPMENT (OTHER THAN A SUBDIVISION) GENERATING LESS THAN 75vpd IS PROPOSED ON AN EXISTING UNSEALED ROAD.
10. NOTWITHSTANDING THE CUT AND BATTER SLOPE LIMITS DEFINED IN TWEED SHIRE COUNCIL'S DEVELOPMENT DESIGN SPECIFICATION D1 - ROAD DESIGN - TABLE D1.12 & D1.13 RESPECTIVELY, BATTER SLOPE LENGTH, BERM DRAIN LOCATIONS AND GRADIENT RELATIONSHIPS ARE NOT TO EXCEED THOSE SET IN NSW GOVERNMENT LANDCOM - MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION 2004.
11. FOR PAVEMENT THICKNESS SEE TWEED SHIRE COUNCIL'S DEVELOPMENT DESIGN SPECIFICATION D2 - PAVEMENT DESIGN - TABLE D2.2 & D2.3. 12. DESIGN PLANS TO SHOW PAVEMENT DEPTH AND ESTIMATED A.D.T.

SCALE: A1 SHEET 1:50, A3 SHEET 1:100
0 0.5 1 2 3 4 5 m

ISSUE	AMENDMENT DETAILS	INITIALS	DATE
C	PLAN FORM, TABLE & NOTES AMENDED	G.P.C.	08.2014
B	DRAWING ADOPTED FOR ISSUE TO PUBLIC	R.A.E.	06.2004
A	ORIGINAL ISSUE	R.A.E.	04.2004

0 10 20 30 40 50 100 150 200 250 mm

TWEED SHIRE COUNCIL

DESIGN UNIT
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DESIGN ENGINEER		DATE 25.08.14
DESIGN MANAGER		DATE 28.08.14
DRAWN	ENGINEERING & OPERATIONS DESIGN UNIT	
SCALE	1:100 (A3)	

PROJECT: ROAD WORKS STANDARDS

DRAWING NUMBER: S.D.009

PLAN TITLE: RURAL ROAD CROSS SECTIONS (SHEET 1 OF 2 SHEETS)

AUG 2014

ACAD FILE No G:_AAA TSC STANDARD DRAWINGS\000 ROAD WORKS STANDARDS\S.D.009 (Aug-14 Rev C)