

Referenced Documents:

Department of Transport and Main Roads (DTMR) Standard

- 1601 fencing - rural fence and gates CHS posts and stays

Reference Standards:



- DTMR Manual of Traffic Control Devices (MUTCD)
- Austroads Guide to Road Design Part 3

### Standard Guidelines:

DTMR "Guidelines for Bitumen Surfacing and AC Surfacing"

Legend:

- Min. 250mm thickness, DTMR type 2.3 gravel.  
2-coat bitumen seal  
1st coat 16mm aggregate, 2nd coat 10mm  
aggregate, C170 bitumen  
First coat - C170 @  $1.9 \text{ L/m}^2 = 16\text{mm}$  @  $85\text{m}^2/\text{m}^3$   
Second coat - C170 @  $1.6 \text{ L/m}^2 = 10\text{mm}$   
@  $140\text{m}^2/\text{m}^3$   
refer note 9

-  Road Edge Guide Post  
Refer Note 3
-  Traffic sign  
Refer Note 3

Notes:

1. Fence details refer DTMR STD. DRG. 1601.
2. Gate to be located to side of grid at approved location, refer STD DRG. CMDG-G-019.
3. Signage and guide posts to be installed as per the latest DTMR MUTCD.
4. Cattle grid to be installed and supplied using manufacturer's specification "Aprilla Grids" or approved equivalent. Length of grid minimum 2.1m along road centreline.
5. Cattle grid width (GRC & IRC):
  - < 50 aadt - 4.0m wide
  - > 50 to max. 500 aadt - 8.0m wideCattle grid width (RRC):
  - < 50 aadt - 4.0m wide
  - > 50 to max. 75 aadt - 8.0m wide
6. "Heavy Duty" cattle grid to be load rated for minimum 16 tonne/axle up to 80km/h.
7. 2-coat bitumen seal required on approaches to grids for a minimum of 10m, in accordance with the applicability table.
8. Crossfall to be -5% on gravel roads U.N.O. transition crossfall in sealed area from -5% to start/end to 0% at grid.
9. Emulsion seal considered as alternative to C170 hot bitumen seal subject to council approval.
10. Maintenance - all welding repairs to conform in accordance with AS1554.1.
11. Minimum 200mm clearance between the grid and the grid floor
12. Slope of grid floor min 1%

APPLICABILITY TABLE							
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	No	No	Yes	Yes	No	No	Yes
Seal required on approach to 8.0m grid?			Yes	Yes			No
Seal required on approach to 4.0m grid?			No	No			No
Applicable DWG	CMDG-G-018						

REVISIONS		DATE
F	TITLE, NOTE 7 & APPLICABILITY TABLE AMENDED	04/2023
E	RAMP SIGNAGE & APPLICABILITY TABLE AMENDED	06/2022
D	RRC APPLICABILITY CHANGED TO YES	12/2021
C	IRC ADDED	12/2016
B	DWG GROSS REFERENCES AMENDED	09/2015

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## Capricorn Municipal Development Guidelines

Incorporating:

Banana Shire Council (BSC)	Maranoa Regional Council (MRC)
Central Highlands Regional Council (CHRC)	Rockhampton Regional Council (RRC)
Gladstone Regional Council (GRC)	Isaac Regional Council (IRC)
Livingstone Shire Council (LSC)	

## STANDARD CATTLE GRID

## GENERAL

STANDARD DRAWING	A
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CMDG-G-020

REV.	B	C	D	E	F	
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