

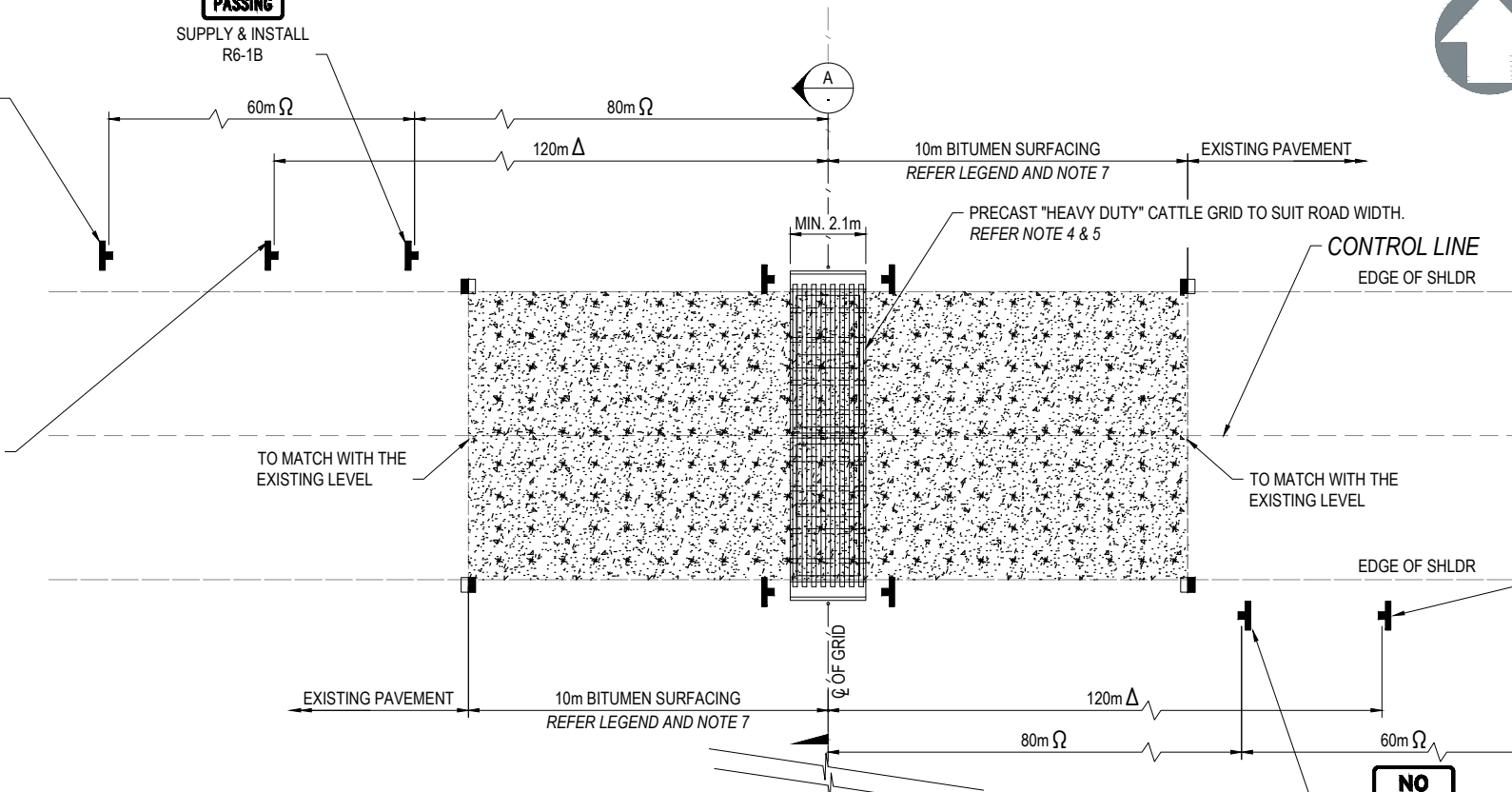


NO OVERTAKING OR PASSING

SUPPLY & INSTALL R6-1B & W8-16B



SUPPLY & INSTALL W5-16B



REFERENCED DOCUMENTS:

- DEPARTMENT OF TRANSPORT AND MAIN ROADS (DTMR) STANDARD DRAWINGS:
 - 1448 ROAD FURNITURE - MOTOR GRID (RHS RAILS)
 - 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"

NOTES:

- FENCE DETAILS REFER DTMR STD. DRG. 1601.
- GATE TO BE LOCATED TO SIDE OF GRID AT APPROVED LOCATION, REFER STD DRG. CMDG-G-019.
- SIGNAGE AND GUIDE POSTS TO BE INSTALLED AS PER THE LATEST DTMR MUTCD.
- CATTLE GRID TO BE INSTALLED USING MANUFACTURER'S SPECIFICATION "APRILLA GRIDS" OR APPROVED EQUIVALENT. LENGTH OF GRID MINIMUM 2.1m ALONG ROAD CENTRELINE.
- CATTLE GRID WIDTH
 - < 50 AADT - 4m WIDE
 - > 50 TO MAX. 500 AADT - 8m WIDE
- "HEAVY DUTY" CATTLE GRID TO BE LOAD RATED FOR MINIMUM 16 TONNE/AXLE UP TO 80km/h.
- 2-COAT BITUMEN SEAL MANDATORY ON APPROACHES ON ROADS EXCEEDING >50 AADT. BITUMEN SURFACING TO BE MINIMUM 10m LENGTH FOR 8.0m WIDE CATTLE GRID. NO SEAL REQUIREMENTS FOR 4.0m WIDE CATTLE GRID. NOT REQUIRED BY IRC.
- CROSSFALL TO BE -5% ON GRAVEL ROADS U.N.O. TRANSITION CROSSFALL IN SEALED AREA FROM -5% TO START/END TO -3% AT GRID FOR 8.0m WIDE GRID.
- EMULSION SEAL CONSIDERED AS ALTERNATIVE TO C170 HOT BITUMEN SEAL. SUBJECT TO COUNCIL APPROVAL.
- LEFT HAND APPROACH, STENCIL LICENSE NUMBER WHITE BACKGROUND BLACK NUMBERING 100mm HEIGHT INDUSTRIAL PAINT.

LEGEND:

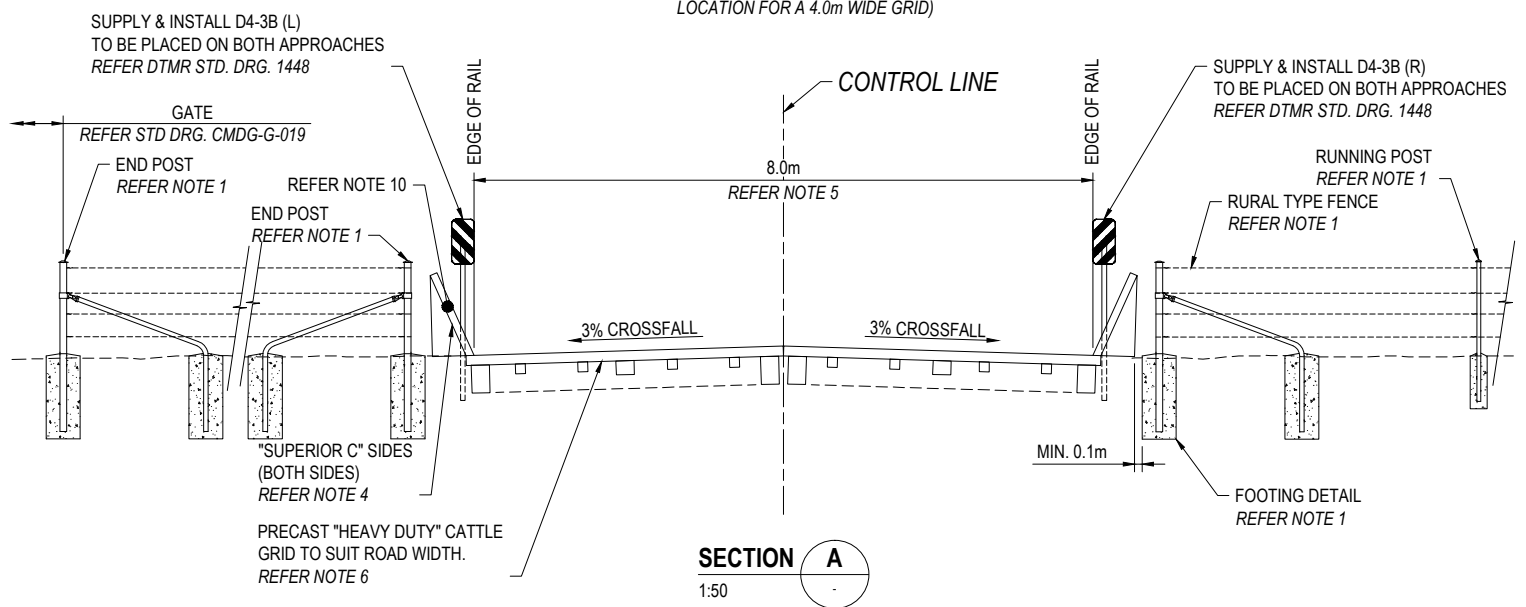
- MIN. 250mm THICKNESS, DTMR TYPE 2.3 GRAVEL. 2-COAT BITUMEN SEAL
 - 1st COAT 16mm AGGREGATE, 2nd COAT 10mm AGGREGATE, C170 BITUMEN
 - First Coat - C170 @1.9 L/m² = 16mm @85m²/m²
 - Second Coat - C170 @1.6 L/m² = 10mm @140m²/m²
 REFER NOTE 9
- ROAD EDGE GUIDE POST REFER NOTE 3
- TRAFFIC SIGN REFER NOTE 3

- Δ SIGNS TO BE INSTALLED FOR 8.0m CATTLE GRID WIDTH
- Ω SIGNS TO BE INSTALLED FOR 4.0m CATTLE GRID WIDTH

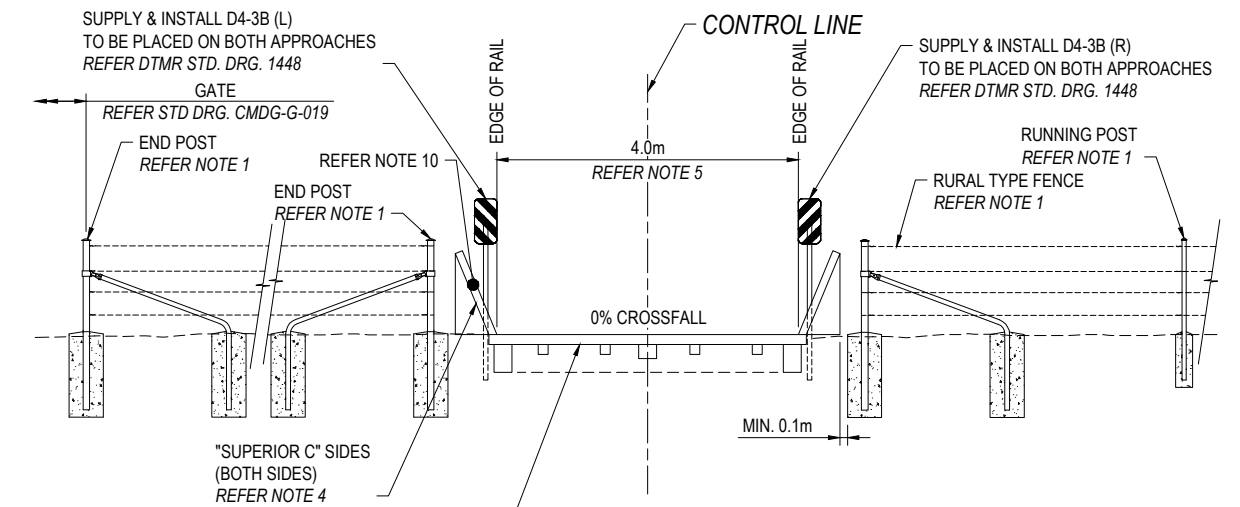
STANDARD GRID PLAN (INCLUDING GATE)

1:100
(8.0m WIDE GRID OPTION SHOWN WITH ADDITIONAL SIGNAGE LOCATION FOR A 4.0m WIDE GRID)

- RURAL TYPE FENCE REFER NOTE 1
- GATE LOCATION TO BE AGREED WITH COUNCIL REFER NOTE 2



8.0m WIDE GRID CROSS SECTION



SECTION A
1:50
4.0m WIDE GRID CROSS SECTION



APPLICABILITY TABLE							
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	No	No	Yes	No	No	No	No
Applicable DWG	Refer GRC Gates and Grids Policy P-2014/6						

REVISIONS	DATE
C	12/2016
B	09/2015
A	09/2015

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Capricorn Municipal Development Guidelines
Incorporating:
Banana Shire Council (BSC) Livingstone Shire Council (LSC)
Central Highlands Regional Council (CHRC) Maranoa Regional Council (MRC)
Gladstone Regional Council (GRC) Rockhampton Regional Council (RRC)
Isaac Regional Council (IRC)

HEAVY DUTY CATTLE GRID

GENERAL			
STANDARD DRAWING			
CMDG-G-020			
REV.	A	B	C