# **CAPRICORN MUNICIPAL DEVELOPMENT GUIDELINES**

### **2022 MEETING 03 MINUTES**

Venue: Teams Meeting

Date and Time: 1 April 2022 11:00 am

Item	Item				
1	Welcome				
	Attendance: Chris Hegarty (MCE), Richard Bywater (MCE), Jamie McCaul (RRC), Grant Vaughan (RRC), Scott McDonald (GRC), Brendan Fuller (GRC), Graham Sweetlove (MRC), Karen McMillan (MRC), Anthony Lipsys (BSC), Dev Krishnasamy (LSC), Daniel Price (BSC),				
2	Apologies				
		Karen McMillan (MRC), Kym Downey (CHRC), Chandrasiri Jayalath (BSC), Robin Thekkekara (IRC), Joel Kuczynski (IRC), Greg Abbotts (LSC), Allan Heit (BSC)			
3	True and correct record of minutes from previous meeting				
	Refer attachm	nent A			
		hat the minutes of the meeting held at Calliope on 3 March 2022 be	e formally adopted	J.	
4	Terms of reference No specific agenda items this week. Revised change request/ RPEQ forms to be uploaded to website				
5	Outstanding it	tems from the previous meeting			
	This includes items which were not fully resolved at the previous meeting or items not considered time constraints.				
	Item				
	number	Item	Proponent		
	M22.01.01	Website Update	All		
	M22.01.04	D1 – IRC and CHRC Rural Roads Tables	IRC		
	M15.5	D1 Geometric Road Design – finalise new tables	All		
	M15.18	D1 Geometric Road Design – solar lighting rural and urban	GRC		
	M15.8	D1 Geometric Road Design – Rural Heavy Industry Access Road	IRC		
	M15.7	D2 Pavement Design – amend APRG Report 21 as outdated reference and LSC to review design procedure and references	LSC		
	M15.15	D9 Cycleway and Pathway Design revision			
	M15.16	Draft underbore detail			
	M16.5	D5 Stormwater Design – Provide template for SWMP	GRC		
	M16.9	PS5 PVC Pressure Pipe (Poly services to be PN16 not PN 12)	GRC		
	M16.10	Trial Register	LSC		
	M16.11	C273 Landscaping – amend hydromulch spec	GRC		
	M15.20	PS26 Marker Posts	GRC		

tem		Item	
	M15.21	PS28 Gaskets	GRC
	M15.22	C242 Pavements – Amend references as advised by GRC	GRC
	M22.01.08	CMDG-S-030 Type C Vertical H.C.	RRC
	M22.02.07	CMDG-W-040 and S-090 Trenching Detail	
	M22.02.04	CMDG-R-050 Drawing review	LSC
	M22.02.05	Use of Corrugated polypropylene drainage pipes	LSC
	M22.02.06	CMDG-D-033 Use of Precast Square roof water pits	LSC
		D6 Site regrading – consider retaining wall issue	LSC
6	New Agenda	Items	
	Item number	Item	Proponent
	M22.03.01	Lockrail park access	
	M22.03.02	CMDG-G-20 Heavy Duty Cattle Grid Drawing Updated	GRC
	M22.03.03	D2, C242 & C221 Use of Recycled Glass	GRC
	M22.03.04	D11 and D12 -Removal of "Trunk" and "Non-Trunk" wording from scope section. D11.01.01 and D12.01.01	GRC
	M22.03.05	CP1.28 Bonding of uncompleted works. Amendments to document.	GRC
7		iness  AQ Drawing Review not discussed t mentioned that Jon Ashman (LSC) has requested the old CMDG	landscaping draw

### 8 Next Meeting

Next meeting to be via Teams on 29th April at 11am.

## 9 CMDG Action Register

The latest register is **Attachment A** 

10 Meeting Closed at 12.05pm

# Agenda Items Detail

Item No.	Item Details
M22.01.01	Website Update
	Preparation of a brief is currently underway.
	Resolution
	Jamie mentioned that there has been internal discussion at RRC regarding the tender assessment criteria. Grant to provide further details in relation to the assessment criteria. Potential for MCE to facilitate website tender process. Draft scope document to be sent to Scott for GRC procurement/ legal team to review.  Action By  Crent Vouches (RRC) and Richard Brayeter (MCE)
N400 04 04	Grant Vaughan (RRC) and Richard Bywater (MCE)
M22.01.04	D1 – IRC and CHRC Rural Roads Tables
	<ul> <li>Proposed changes to IRC and CHRC rural roads tables have been emailed out.</li> <li>Awaiting IRC and CHRC approval for changes before implementing</li> </ul>
	Suggested Resolution
	Nil
	Action By
M15.5	D1 Geometric Road Design – finalise new tables
	Previous resolution was
	Agreement to use Council watermarks on individual tables
	• Scott to send notes regarding lighting specification changes to D1 (M15.18) • Definitions of road hierarchies to be consistent with Street Design Manual and across councils.
	Agreement to remove standard cross sections and recreate as standard drawings
	Agreement that document order of priority set out above is ok.
	• Councils to update D1 tables to new format (ideally prior to next meeting). Priority 1.
	• Rural and Urban tables in appendix. All councils to complete revised rural tables as per urban tables. Priority 2.
	• RRC to proceed separately with industry consultation regarding proposed significant changes to D1. This will initially involve an email to industry (2 weeks to respond) with a copy of the new RRC Urban Roads Table and explanation of the reasoning behind the proposed changes.
	<ul> <li>Simply need to discuss status of new D1 Urban road tables needed to progress this item.</li> <li>LSC is working on Urban tables</li> </ul>
	GRC has completed changes to urban tables
	<ul> <li>RRC has changes to both urban and rural tables in progress</li> <li>Urban and rural cross section drawings will need to be added to the standard drawings at the</li> </ul>
	same time as the cross sections are removed from D1
	Resolution
	A two week deadline is to be implemented for the urban table updates for inclusion in the next revision of D1. 4 weeks will be given for the rural tables. RRC and LSC will complete industry consultation for the changes following the 2 week response period ending Friday 14 <sup>th</sup> April.
	Cross section drawings to be created.
	Action By
	All

#### M15.18

#### D1 Geometric Road Design – Solar Lighting

- Attachment B is GRC's policy for Solar Street Lighting. There are annotations by Brendan Fuller in the left hand column regarding applicability for urban and rural
- The previous resolution was:

#### Recommended actions are:

- Amend D01.19 Lighting (Urban) to include GRC Policy items noted as relevant to urban
- Amend D01.25 Lighting (Rural) to include GRC Policy items noted as relevant to rural
- Development of a Purchase Specification for Solar Lights.

Cardno to send out the policy split into "Rural" & "Urban" for review and wordsmithing by all councils. Ideally this will be able to be added to D01.19 & D01.25. It is understood a point of difference may be required for incorporation into the document.

Need to discuss the status of this item and any proposed changes to D1.

#### Resolution

- RRC would like more time to review
- LSC to review in comparison with internal policies
- GRC to create purchase specification for review by committee

#### **Action By**

LSC, RRC, GRC

#### M15.7

#### D1 Geometric Road Design - Rural Heavy Industry Access Road

- Attachment C is the previous information provided on this matter referred to in the resolution below.
- The following resolution was made.

Question raised by IRC for the consideration of the inclusion of a "Rural Heavy Industry Access Road" (Mine Access) or similar wording with appropriate associated elements within the Road hierarchy.

- GRC to provide the TMR drawing for Industrial Collector that was presented in the meeting. This will be distributed to the other council's. See attachment 18
- Street Type to be added to table D2.08.1 "Resource Access Road"
- IRC to provide proposal for inclusion into CMDG.
- SD1807 provided for information
- GRC Standard Drawings attached for information Refer Att 19, 20, 21 & 22
- Need to discuss the status of this item and any proposed changes to D1 and D2.

#### Resolution

- Further information required from IRC
- Committee to review GRC drawings to determine if they should be added to CMDG standard drawings.

#### Action By

IRC, All

#### M15.7

# D2 Pavement Design – amend APRG Report 21 as outdated reference and LSC to review design procedure and references

• Unsure of status of this item – are LSC reviewing the document?.

	Resolution
	Grant to review document and construction specification (e.g. C242)
	Action By
	RRC
M15.15	D9 Cycleway and Pathway Design revision – Not discussed
	Previous resolution was
	Cardno to check D9 and check where we are at with the changes
	MCE have not progressed the review at this stage.
	Suggested Resolution
	Nil
	Action By MCE
M15.16	Draft Underbore Detail – Not discussed
	The previous resolution was
	Cardno to provide draft underbore detail for consideration.
	MCE intend to progress this item with a draft drawing based on SEQ – any examples or
	advice on content from members would be appreciated.
	Suggested Resolution
	Nil
	Action By MCE
M16.5	D5 Stormwater Design – Template for SWMP – Not discussed
	Previously an agenda item 16.5 (Meeting did not proceed)
	<ul> <li>GRC have provided a template Attachment D for consideration and discussion.</li> <li>Clause D05.21 currently reads as follows.</li> </ul>
	D05.21. SITE BASED STORMWATER MANAGEMENT PLAN (SWMP) D05.21.01. Where required by
	Council, the developer is obliged to submit Site Based Stormwater Management Plan addressing
	Quantity and Quality aspects of stormwater management.
	Suggested Resolution
	That the Stormwater template be included as Annexure D05A and Clause D05.21 be amended to
	reference the new Annexure.
	Action By MCE
M16.9	PS5 PVC Pressure Pipe (Poly services to be PN16 not PN 12) – Not discussed
	<ul> <li>PS-4 CMDG Purchase Specification. Clause 4.0. Pressure Classification (PN) – New Installations – PN 12.5 (1250 KPa or 1.25 MPa @ 200 C).</li> </ul>

#### 4.0 Pressure Classification (PN) -

New Installations - PN 12.5 (1250 kPa or 1.25 MPa @ 20° C); Repairs - PN 16 (1600 kPa or 1.6 MPa @ 20° C).

#### See Attachment E for current PS-4 Purchase Specification

#### Proposal:

 PS-5 CMDG Purchase Specification Clause 5.0 Pressure Classification (PN) – (generally below ground use) uPVC Series 2 - PN 12; MPVC Series 2 - PN 16; OPVC Series 2 - PN 16, Material Class 400.

#### PS-5 Clause 5 for reference

5.0 Pressure Classification (PN) – (generally below ground use)

uPVC Series 2 - PN 12; MPVC Series 2 - PN 16;

OPVC Series 2 - PN 16, Material Class 400.

- Current Guidelines require water mains to be PN16, but the poly services are required to be PN12.
- Pressure Testing reaches 1250Kpa. This may compromise the structural integrity of the PN12 pipe.

#### Proposed Resolution

Amend PS5 Clause 4.0 as follows

Pressure Classification (PN) - New Installations - PN 16 (1600 KPa or 1.6 MPa @ 200 C).

Action By MCE

#### M16.10 Trial Register – Not discussed

- LSC has proposed the creation of a trial register to track the progress of any ongoing/successful trials. An example of this would be the use of new materials
- Discussion on implementation (who will have access to this and how?)
- It is suggested that the trial register be created as a separate page in the Action Register Excel file. That way it should be visited regularly not forgotten.

#### Proposed Resolution

A new sheet be created in the Action Register for the Trial Register. All LGE's are to provide information on any trials they have underway.

Action By MCE

#### M16.11 C273 Landscaping – amend hydromulch spec – Not discussed

• The current hydro mulch specification uses seed variety's that are more suited to colder climates. See **Attachment F** for example seed mix used by Dennis Contracting Services

#### **Proposed Resolution**

.For discussion

Action By

#### M15.20 **PS26 Marker Posts – Not discussed**

- Attachment G is draft PS26 provided by GRC
- The previous resolution was:

Amended Purchase Spec PS26 provided by GRC.

- All Councils to confirm if they use timber marker posts or not
- If no Councils use timber posts this will be replaced on CMDG-W-060 with Flat posts
- Councils to confirm which colours for which applications
- Need guidance on the above dot points so that PS26 can be finalised.

#### Proposed Resolution

.For discussion

Action By

#### M15.21 **PS28 Gaskets** – Not discussed

- Attachment H is draft specification provided by GRC.
- The previous resolution was

Councils happy to include on website.

LSC had previously sent a purchase specification to Cardno. Cardno to locate this document.

Need clarification on the LSC specification to finalise.

#### Proposed Resolution

.For discussion

Action By

M15.22

#### C242 Pavements – Amend references as advised by GRC – Not discussed

# M15.22. C242 Pavements Cardno Recommended actions from Brendan at GRC are: · Add highlighted Australian standards Delete reference to Main Roads documents totally (they were all upgraded to AS1289 reference in 2018) C242.03 REFERENCE DOCUMENTS C242.03.01 Documents referenced in this Specification are listed in full below whilst being cited in the text in the abbreviated form or code indicated. Council Specifications Stabilisation Sprayed Bituminous Surfacing Australian Standards AS 1141 Set: Methods of sampling and testing aggregates AS 1289 5 set Methods of lesting soils for engineering purposes 141.14 Particle shape, by proportional calliper. AS 1289.3.1.1 Determination of the liquid limit of a soil - Four point Casagnade method AS 1289.3.3.1 Calculation of the plasticity index of a soil AS 1289.3.6.1 Determination of the particle size distribution of a soil Standard method of analysis by sleving. AS 1289.3.6.3 Determination of the particle size distribution of a soil Standard method of fine analysis using a hydrometer. AS 1289.5.1.1 Determination of the dry density/moisture content relation of a soil using standard compaction effort. AS 1289.5.3.1 Determination of the field density of a soil using standard compaction offort. AS 1289.5.4.1 Compaction control test - Dry density ratio, moisture variation and moisture ratio and construction of the density factor of the control control test - Dry density ratio, moisture variation and moisture ratios of the density of a soil cannot be soil - Sant construction and moisture ratios of the density ratio, moisture variation and moisture ratios of the density of a soil cannot control test - Dry density ratio, moisture AS 1289.5.4.2 AS 1289.5.8.1 - Determination of field density and field moisture content of a soil using a nuclear surface moisture - density gauge - Direct transmission mode. AS 1289.6.1.1 - Determination of the California bearing ratio of a soil - Standard laboratory method for a remoulded specimen. (c) Cardno to action the above recommendations from GRC. M13.8

#### **Proposed Resolution**

.Add to action register and adopt above changes.

Action By: MCE

#### M22.01.08

#### CMDG-S-030 Type C Vertical H.C. - Not discussed

The previous resolution was.

General acceptance regarding the use of connections directly above main.

Discussion regarding removal of the house drain and Y branch in the Pre Site Development details. Agreement reached that it should be removed.

Jamie (RRC) to provide markups to drawing CMDG-S-030 for MCE to complete.

Awaiting mark-ups from RRC with a view to providing an amended drawing for consideration
 Suggested Resolution

Nil

# Action By

#### M22.02.07

#### CMDG-W-040 and S-090 - Not discussed

The previous resolution was

CMDG-W-040 Ver G - MCE to check specifications for depths etc to be consistent (especially Type C) Standard drawing S-090 to also be updated by MCE following feedback from GRC after staff consultation

 MCE are preparing a draft drawing with the proposed changes. These changes will include additional feedback from GRC on other worthwhile changes as a result of their internal review.

#### Suggested Resolution

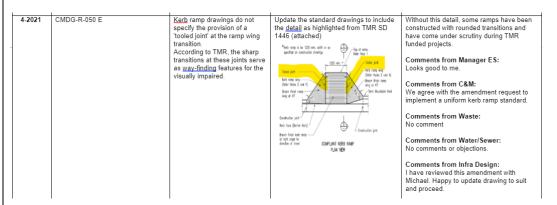
Nil

Action By MCE

#### M22.02.04

#### **CMDG-R-050**

 Comments from Dev at LSC. We have received recent feedback from TMR emphasising the need for "tooled joints" in the location highlighted. According to TMR, the sharp transitions at these joints serve as wayfinding features for the visually impaired. Although these joints appear as lines on the CMDG standard drawing R-50, there is no specific reference to their inclusion



- Refer Attachment ?? for marked up changes to CMDG-R-050
- Tooled joint note has been added and additional minor changes made. Richard mentioned that it would be worth considering the inclusion of information or reference to the TMR

standard drawings KGR1 and KGR2.

#### Resolution

Revised drawing and TMR drawings KGR1/ KGR2 to be sent to committee for further discussion/consideration.

Action By

**MCE** 

#### M22.02.05

#### D5 - Use of corrugated polypropylene drainage pipes

LSC is suggesting use of corrugated polypropylene drainage pipes.

6-2021	CMDG-D, CMDG-D5, C221.	Addition of corrugated polypropylene drainage pipes.	Twin wall corrugated polypropylene drainage pipes offer many benefits
		a a a a a a a a a a a a a a a a a a a	compared to reinforced concrete pipes.
			Benefits include:
			Excellent corrosion and chemical
			resistance
			Can be cut to length with no detriment to corrosion resistance
			Excellent rubber ring joint sealing system
			Smooth bore providing optimum hydraulic
			performance
			Available in 6 metre lengths
			Lighter to handle with a lower risk rating for
			those handling the pipes
			Smaller diameter pipes can be man
			handled
			Lower transport costs
			Large and diverse range of fitting available
			Large and diverse range of inting available
			1.1 CMDG-D, CMDG-D5, C221.
			Addition of corrugated polypropylene
			drainage pipes.

- C221 Section C221.04 mentions FRC and RCP pipes but not Plastic.
- Current Section D05.18 reads as follows.

#### D05.18. PIPE MATERIAL

D05.18.01. The following pipe materials are approved subject to minimum cover and installation requirements stated by the manufacturer:

- Steel reinforced concrete pipe and culverts to AS4058; and
- Fibre Reinforced pipes to AS4139.; and
- Other pipes will be considered subject to individual Council approval.

D05.18.02. All joints between pipes shall be Rubber Ring Joints (RRJ).

- It is noted that Hydra Storm supplies pipe as follows:
  - o Manufactured in accordance to AS NZS 5065
  - o Available from Diameter Nominal (DN) 225mm to 600mm
  - Manufactured from recycled HDPE



- C221 will need to be updated at the same time as D5.
- Richard mentioned that he is meeting with a representative from Iplex next week where he will get additional information and specifications.

#### Resolution

Richard to collate information and specifications and send to committee for further discussion at next meeting.

Action By

MCE

#### M22.02.06

#### CMDG-D-033 Use of Precast Square roofwater pits – Not discussed

- LSC propose use of proprietary precast square roofwater pits.
- Note 5 to CMDG-D-033 permits use of precast chambers but Note 6 says covers and frames must be circular

2-2021	CMDG Request for amendment - Roofwater inspection chambers CMDG-D-0(D)	Rootwater inspection chambers CMDG-D-0(D)	change drawing to include drawing of 600x600 precast pit with galvanised lid.	Comments from Waste: Nil input is required.  Comments from Water: Nil comments as drawing is related to stormwater drainage access chamber not sewerage access chamber.  Comments from Infra Design: Roofwater inspection chamber drawing to show a square pit detail (600x600 Field Inlet type) as this is the most commenty used on site.  Comments from Infra Planning: No comment provided  Comments from Infra DET: No comment provided  Comments from Facilities – Assets / GIS: No comment provided  Comments from Construction / Maintenance  Hi Ellen, I support the proposal as it will be easier to procure these products.  If you have any queries regarding the above, please contact me. Thanks.  Darren Hines
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Rocla pit left - Holcim pit right

Suggested Resolution

For discussion

Action By MCE

#### <mark>???</mark>

#### D6 Site Regrading - consider retaining wall issue - Not discussed

• The previous resolution was

#### <mark>?????</mark>

 No progress on this issue yet – need to discuss its priority and resources to progress the matter

#### **Suggested Resolution**

For discussion

Action By MCE

# CMDG-G-013 Locking Rail - Not discussed M22.03.01 The previous resolution was Some interest from committee regarding removable bollards/lockrails. Existing lockrail drawing (not part of standard drawings set) to be discussed at next meeting. Discussions at the previous meeting centred on a new Lockrail drawing presented by LSC some time ago (along with a suite of Parks drawings). However, there already is a lockrail drawing included in CMDG. Both drawings are at Attachment ??. Need to decide if the new drawing is to be adopted or stick with the old one. Suggested Resolution For discussion Action By MCE M22.03.02 CMDG-G-20 Heavy Duty Cattle Grid Drawing Updated - Not discussed Attachment ?? is an updated grid drawing by GRC for consideration. The major changes are ??? This drawing is currently applicable to GRC and RRC only. Suggested Resolution CMDG-G-20 Ver E be approved for upload to the website. Action By MCE M22.03.03 D2, C242 & C221 Use of Recycled Glass - Not discussed ?? Suggested Resolution For discussion Action By MCE M22.03.04 D11 and D12 -Removal of "Trunk" and "Non-Trunk" wording from scope section. D11.01.01 and **D12.01.01** – Not discussed • ?? Suggested Resolution For discussion Action By MCE

M22.03.05	CP1.28 Bonding of uncompleted works. Amendments to document. – Not discussed
	• ??
	Suggested Resolution
	For discussion
	Action By MCE