CAPRICORN MUNICIPAL DEVELOPMENT GUIDELINES

2022 MEETING 06 MINUTES

Venue: Teams Meeting

Date and Time: 24 June 2022 11:00 am

Item		Item		
1	Welcome			
	Attendance:			
	Richard Bywater (MCE), Grant Vaughan (RRC), Scott McDonald (GRC), Graham Sweetlove (MRC), Mohit Paudyal (RRC), Michael Stanton (IRC), Jon Ashman (LSC)			
2	Apologies			
		^r (MCE), Jamie McCaul (RRC), Brendan Fuller (GRC), Daniel Price Kuczynski (IRC), Anthony Lipsys (BSC), Greg Abbotts (LSC), Alla	· · ·	•
3		rect record of minutes from previous meeting		
	Refer attachr	nent A		
	Resolution: T	hat the minutes of the meeting held on Teams on 27 May 2022 be	formally adopted.	
4	Terms of reference and Budget Invoices issued 17 th June 2022. Review of spend vs updated budget estimate shows slightly higher rate of spend. MCE will monitor and update the committee prior to reaching estimated budget fee.			
5	Outstanding in	tems from the previous meeting		
	•	s items which were not fully resolved at the previous meeting or ite	ms not considered	due to
	time constraints.			
	ltem number	Item	Proponent	
	M22.01.01	Website Update	All	
	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	M15.7	D2 Pavement Design – amend APRG Report 21 as outdated reference and LSC to review design procedure and references	LSC	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	

		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	
	M10.5.1	D6 Site regrading – consider retaining wall issue	LSC	
	M22.03.01	Lockrail park access		
	M22.03.03	D2, C242 & C221 Use of Recycled Glass	GRC	
	M13.10	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	
	M22.04.01	Review of Reference documents in all Specifications	BSC	
	M22.04.02	D1 – Road Truncations	GRC	
	M22.04.03	D1 - National Light Pollution Guidelines for wildlife	GRC	
6	New Agenda	Items		
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7	New Agenda Item number General Busi • Grant that th agree Speci determ Next Meeting Next meeting CMDG Action	Items Item Item Item Item Item Item Item Item	Proponent Proponent ave previously trialled a nilar drawings. It was rawings to the Council	and

Agenda Items Detail

Item No.	Item Details
M22.01.01	Website Update
	Preparation of a brief is currently underway.
	Previous resolution on 1 April 2022 was 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
	Grant Vaughan (RRC) and Richard Bywater (MCE)
	Feedback has now been received from a number of Councils and the latest document incorporating this feedback is attached (Attachment C).
	There are two points in the scope of works that are highlighted in yellow for consideration. Richard has added his thoughts to promote discussion.
	Scott from GRC has indicated that there may be an opportunity to do the work through LGAQ (Using Jadu) which apparently is a platform utilised by many Local Governments. GRC are happy for work to be done through MCE with certain provisos including ownership of website and transfer of all info if MCE no longer in the role etc
	Previous resolution on 27 May 2022:
	GRC to further investigate opportunity through LGAQ. Richard (MCE) to remove social media and search engine optimisation from the scope requirements. Richard to include Jadu as a preference for the proposed website content management system.
	Chris to send clause from governance document regarding website ownership including I.P. address.
	MCE to organise procurement of new website once details are confirmed and final acceptance received from the committee.
	Resolution
	MCE to request a quotation from LGAQ for the new website.
	Grant to confirm with RRC procurement whether 3 quotes are required or LGAQ can be engaged directly (maybe via local buy). MCE to request additional quotes if advised by Grant.
	Action By MCE and RRC
M15.5	D1 Geometric Road Design – finalise new tables
	Proposed D1 Document ver 10C is at Attachment D
	Proposed Type Section standard drawings (amended since last meeting) at Attachment E
	The previous resolution was
	Tables:
	 RRC – Jamie to tidy up a few minor errors and send new version to Chris CHRC – Kym to send through details/ response to proposed changes made by Chris. Confirmed that industry consultation with be completed. GRC – to confirm details around industrial access – in progress
	MRC – Graham is awaiting feedback internally to MRC

	 LSC – Rural table to be provided/ confirmation that RRC table will be used. Chris to send to Jon for comment.
	D1 document:
	 Chris to remove references to Councils in the document – should be Local Governments. Richard to update standard drawings with discussed minor changes and additional cross section on the industrial collector drawing (line marked median) Jamie discussed RRC comments on the document – Chris to implement changes as follows: Include reference to Planning Regulations Remove references to IMEA Number each clause Under road hierachy section review terminology to ensure different terminologies used in the D1 tables are included eg Access Street / Local Access. Remove In very flat conditions it may be reduced to 0.3% from section D1.11 Longitudinal Gradient D1.18 Clause (f) Critical dimensions – replace two lane 5.5m minimum to reference D1 tables instead. D1.21 Bus Routes Clause 1 – replace 5% of residents with 10% of residents
	implement changes.
	Actions since last meeting
	 Industry consultation was carried out for RRC and CHRC. Response received from Hartecs (Dan Toon). One internal response received from Scott at GRC relating to the provision of a footpath for an access Place for CHRC. This is being discussed with CHRC. D1 Ver 10C has been amended to reflect changes from the last meeting and additional content (highlighted turquoise) from the original document GRC prepared when the D1 review process kicked off. New solar lighting wording suggested by Jamie Highlighted Yellow. Rural Road Type section drawing amended in an attempt to reflect new table requirements.
	Resolution
	 MCE to prepare a response to the Hartecs feedback in a document that will distributed to the committee for comment prior to the next meeting. D1 Ver 10C draft to be discussed at next meeting in conjunction with the feedback
	 responses. Rural road cross section drawing to be discussed and approved at next meeting. <u>Action By</u> MCE
M15.18	D1 Geometric Road Design – Solar Lighting
	Resolution from 27 May 2022 meeting was
	Jamie/ RRC to provide updated proposal for solar lighting paragraph.
	Proposal
	Solar Lighting
	1. It is Local Government's preference not to accept Solar Street Lights as an alternative product to grid tied lighting for lighting to be installed on Local Government roads because the current state of development of Solar Street Light technology does not, in the Local Government view, provide a reliable and cost effective solution for the provision of such lighting in most cases.
	2. Exceptions to the above will be considered on a case-by-case basis, and must be approved by the relevant local government.

Resolution

Following discussions between Jamie and Scott, the resolution is to adopt the original Solar Lighting proposal from GRC:

Urban

Solar Lighting

1. It is Council's the Local Government's preference not to accept Solar Street Lights as an alternative product to grid tied lighting for lighting to be installed on Local Government roads because the current state of development of Solar Street Light technology does not, in the Local Government view, provide a reliable and cost effective solution for the provision of such lighting in most cases.

2. Exceptions On a case-by-case basis the Local Government will consider the use of Solar Street Lights under the following circumstances:

- 1) The provision of lighting is within a community titled subdivision where the Local Government is not responsible for its ongoing operations and maintenance;
- 2) The provision of lighting is to be on a Local Government controlled road and a funding agreement is secured between the Local Government and the developer or the manufacturer of the lighting equipment for that developer or manufacturer to accept the costs of the future operation and maintenance of that lighting;
- 3) The provision of lighting for car parks and other Local Government facilities where noncompliance with AS1158 does not, in the Local Government's opinion, present a high risk to the Local Government.

3. An approval for an exception to allow the installation of Solar Street Lights under one of the above-mentioned circumstances must be obtained from the Local Government before any works permit or development approval for the installation of Solar Street Lights will be considered by the Local Government.

4. As Solar Street Lights are not subject to a Network Extension Agreement (NEA) with Ergon Energy, an indemnity for such lighting shall not be required. The Local Government will, however, provide a non-standard street lighting indemnity where the Local Government approves the installation of Solar Street Lights on Local Government controlled roads, if such an indemnity is required by Ergon Energy

Rural:

Solar Lighting

3. It is the Local Government's Council's preference not to accept Solar Street Lights as an alternative product to grid tied lighting for lighting to be installed on Local Government roads because the current state of development of Solar Street Light technology does not, in the Local Government view, provide a reliable and cost effective solution for the provision of such lighting in most cases.

4. Exceptions On a case-by-case basis the Local Government will consider the use of Solar Street Lights under the following circumstances:

1) The provision of lighting is in an isolated location, e.g. a rural intersection, where low voltage power supply is not available

5. An approval for an exception to allow the installation of Solar Street Lights under one of the above-mentioned circumstances must be obtained from the Local Government before any works permit or development approval for the installation of Solar Street Lights will be considered by the Local Government.

6. As Solar Street Lights are not subject to a Network Extension Agreement (NEA) with Ergon Energy, an indemnity for such lighting shall not be required. The Local Government will, however, provide a non-standard street lighting indemnity where the Local Government approves the installation of Solar Street Lights on Local Government controlled roads, if such an indemnity is required by Ergon Energy.

	Action By
	MCE
M15.7	D1 Geometric Road Design – Rural Heavy Industry Access Road – Not discussed

	Attachment G is the previous information provided on this matter referred to in the resolution below.
	 The following resolution was made in late 2020.
	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.
	- 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
	The resolution from the 1 April 2022 meeting was
	Further information required from IRC
	 Committee to review GRC drawings to determine if they should be added to CMDG standard drawings.
	 Need to discuss the status of this item and any proposed changes to D1 and D2.
	Suggested Resolution
	Nil
	Action By
M15.7	D2 Pavement Design – amend APRG Report 21 as outdated reference and LSC to review design procedure and references – Not discussed
	Previous Resolution at 1 April 2022 was
	Grant to review document and construction specification (e.g. C242)
	Action By RRC
	Suggested Resolution
	Nil
	Action By
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
	Action By MCE
N45.40	
M15.16	Draft Underbore Detail

	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. 				
	Resolution				
	MCE to commence investigation	into underbore detail.			
	Action By MCE				
M16.5	D5 Stormwater Design – Templ	late for SWMP			
		m 16.5 (Meeting did not proceed) mplate Attachment H for consider reads as follows.			
	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.				
	Resolution That the Stormwater template be included as Annexure D05A and Clause D05.21 be amended to reference the new Annexure.				
		ATER MANAGEMENT PLAN (SW	VMP) D05.21.01. Where require		
	D05.21. SITE BASED STORMW by Council, the developer is oblig Quantity and Quality aspects of s should be utilised unless noted in	ATER MANAGEMENT PLAN (SW ged to submit Site Based Stormwa stormwater management. The tem n Table D05.21.1. ormwater Management Plan Ter	ter Management Plan addressin plate provided in Annexure D05		
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M16.9	D05.21. SITE BASED STORMW by Council, the developer is oblig Quantity and Quality aspects of s should be utilised unless noted in Table D05.21.1 – Site Based StoreTable D05.21.1 – Site Based StoreLocal GovernmentBanana ShireCentral Highlands RegionalGladstone RegionalIsaac RegionalMaranoa RegionalLivingstone RegionalAction By MCEPS5 PVC Pressure Pipe (Poly state)	ed to submit Site Based Stormwa stormwater management. The term n Table D05.21.1. ormwater Management Plan Ter Annexure D05A Applies Yes Yes Yes Yes Yes Yes No	Alternative Refer to planning scheme		
M16.9	D05.21. SITE BASED STORMW by Council, the developer is oblig Quantity and Quality aspects of s should be utilised unless noted in Table D05.21.1 – Site Based StoTable D05.21.1 – Site Based StoLocal GovernmentBanana ShireCentral Highlands RegionalGladstone RegionalIsaac RegionalMaranoa RegionalLivingstone RegionalAction By MCEPS5 PVC Pressure Pipe (Poly s • PS-4 CMDG Purchase S	ed to submit Site Based Stormwa stormwater management. The term in Table D05.21.1. ormwater Management Plan Ter Annexure D05A Applies Yes Yes Yes Yes Yes Yes No	Alternative Refer to planning scheme Classification (PN) – New		
M16.9	D05.21. SITE BASED STORMW by Council, the developer is oblig Quantity and Quality aspects of s should be utilised unless noted in Table D05.21.1 – Site Based StoTable D05.21.1 – Site Based StoLocal GovernmentBanana ShireCentral Highlands RegionalGladstone RegionalIsaac RegionalMaranoa RegionalLivingstone RegionalAction By MCEPS5 PVC Pressure Pipe (Poly s • PS-4 CMDG Purchase S	ed to submit Site Based Stormwa tormwater management. The tem Table D05.21.1. ormwater Management Plan Ter Annexure D05A Applies Yes Yes Yes Yes Yes Yes No Services to be PN16 not PN 12) pecification. Clause 4.0. Pressure 250 KPa or 1.25 MPa @ 200 C).	Alternative Refer to planning scheme Classification (PN) – New		

	See Attachment I 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.
	Resolution
	Amend PS4 Clause 4.0 as follows
	Pressure Classification (PN) – New Installations – PN 16 (1600 KPa or 1.6 MPa @ 200 C).
	Action By
M16.10	MCE
	 Trial Register 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.
	A new sheet be created in the Action Register for the Trial Register. All LGAs are to provide information on any trials they have underway.
	Grant to send through standard drawings that RRC have been using internally, for example driveway crossover grates. Drawings to be reviewed and committee to decide if CMDG standard drawings should be created.
	Action By All
M16.11	C273 Landscaping – amend hydromulch spec
	 The current hydro mulch specification uses seed variety's that are more suited to colder climates. See Attachment J for example seed mix used by Dennis Contracting Services <u>Resolution</u> GRC, MRC, LSC are happy with the revised specification. RRC, IRC, CHRC, BSC to review and provide feedback/ acceptance.
	Action By RRC, IRC, CHRC and BSC
M15.20	PS26 Marker Posts
	 Attachment K 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 Councils to confirm which colours for which applications 	with Flat posts	
	 Need guidance on the above dot points so that PS26 can be finalised. <u>Resolution</u> Briefly discussed. Mohit stated that RRC are checking if timber marker post are Councils to confirm if timber posts are still used. <u>Action By</u> All 	e still being used.	
M15.21	M15.21 PS28 Gaskets • Attachment L 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 do • Need clarification on the LSC specification to finalise. Resolution Committee members to review draft purchase specification and provide comment at r Attachment Attach		
M15.22	C2422 Pavements M15.22. C242 Pavements Recommended actions from Brendan at GRC are: • Add highlighted Australian standards • Delete reference to Main Roads documents totally (they were all upgraded to AS1293 reference in 2018) C24203 REFERENCE DOCUMENTS C24203 REFERENCE DOCUMENTS C24203 REFERENCE DOCUMENTS C24203 REFERENCE DOCUMENTS C24203 CE Documents reference in the Specification are instel in full below whilet being obein the text in the althoradia form or code indicated. (a) Counted Specifications C24203 EEFERENCE DOCUMENTS C24203 CE Documents reference in the Specification are instel in full below whilet being obein the text in the althoradia form or code indicated. (a) Counted Specifications C241 · Specifications C244 · Specifications Astandia for according and busing aggregates Astantian Standards Astantian Standard for according adgregates Astantian Standard for accordination of a soll Astantian Standard for according aggregates Astantian Standard for according aggregates <td colspan<="" th=""><th>Cardno</th></td>	<th>Cardno</th>	Cardno

This change to be adopted with current review underway by RRC (Grant). It may be a number of
months before this is completed.
Action By:
CMDG-S-030 Type C Vertical H.C.
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
MCE are working on a revisions to the CMDG-S-030 drawing.
Resolution
Provide updated drawing for discussion at next meeting
Action By
MCE
CMDG-W-040 and S-090
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
 Draft drawing with the proposed changes has been circulated and feedback received. No significant changes requested and W-040 being prepared for website load up. Also need direction on how S-090 is to be modified
Resolution
MCE to update drawing based on direction from committee. Scott suggested reviewing SEQ and WSAA drawings.
Action By
MCE
CMDG-R-050
• <u>Comments from Dev at LSC</u> . 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

	42021 CMUG H 350 L	Korp ramp drawings do not specify the provision of a 'poled joint at the ramp wing transition Accounting traffit the sharp transitions at these joints serve to a <u>max-inding</u> heatures for the risedly imperied	Update the standard drawings to include the detail as highlighted term TMR 20 1446 (attached)	Without this detail, some ramps have been numbuiled with rounded in ensitions and have come under sorutiny during TMR tunded projects Comments from Manager ES: Looks good to me. Comments from C&M: We agree with the amanement request to implement a uniform bets remp standerd Comments from Weste: No comments from Mater/Sewer: No comments from Intra Design: There reviewed this amendment with Michael. Happy to update drawing to cut and proceed.
	that it would be standard draw <u>Previous Resolution 1</u> Revised drawing and 1 consideration.	e worth considering th ings KGR1 and KGR: <u>April 2022</u> ſMR drawings KGR1/	ne inclusion of informa 2. / KGR2 to be sent to c	anges made. Richard mentioned tion or reference to the TMR ommittee for further discussion/
		be better to leave Au	stralian Standard refer	andard for TGSIs. General rence and not refer to the TMR 050 rev F.
M22.02.05	 D5 – Use of corrugate LSC is sugges 		r ainage pipes – Not d d polypropylene draina	
	6-2021 CMOG-D, CMDG-DS, C221		Addition of compared polypropylime drainage paper.	Twin wall corrugated polypropylene drainage pipes offer many benefits compared to reinforced concrete pipes. Berefits include: • Excellent corrugation and chemical ministance • Can be cut to length with no detriment to corrosom resistance • Excellent cuber ring joint seeiing system • Second cuber ring joint seeiing system • Smaller dater ring joint seeiing system • Smaller dater ring joint seeiing system • Smaller dameter pipes can be man handled • Lower transport cools. • Lange and diverse range of fitting available 1.1 CADG-D, CMDG-D5, C221 Addition of compared polypropyleme dramage pipes.
		C221.04 mentions FF n D05.18 reads as fo	RC and RCP pipes but llows.	not Plastic.

	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: Manufactured in accordance to AS – NZS 5065 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 lplex next week where he will get additional information and specifications.
	Previous Resolution
	Richard to collate information and specifications and send to committee for further discussion at next meeting with proposed changes to D5 and C221 to permit use of corrugated polypropylene drainage pipes.
	Action By MCE
	 Richard has met with the sales Rep but proposed changes to D5 and C221 are still being considered. It is recommended that Polypropylene pipes with classification SN8 are approved up to a diameter of 600mm. The technical guide for Blackmax (Iplex) is included as Attachment N.
	Suggested Resolution
	Update D5 and C221 to permit polypropylene pipes (SN8) up to 600mm diameter. Revised documents to be sent to committee for review.
	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

		CMOS-D-COD	Booleauti Hepotoni Characters Cha	therega drawing is include drawing of 600x000 precess of with generalised lid.	Comments from Wasts: Nil mout is required Comments from Wasts Nil comments as charange is related to seeming a access charanger Comments from infra Design: Biofination impeditor charange to show a square at data (0004000 Field later type) as the se the most generative used on site Comments from Infra DET: No comment provide Comments from Facilities - Assets / GIS: No comment provided Comments from Construction / Maintenance Ni Line, I support the proposal as it will be easier to proceen these prodocts. If you these any queries regarding the above, plaese contact me. Thereits
		scussion <u>By</u> MCE			
M10.5.1	• • • • • • • • • • • • • • • • • • •	The previous reso Meeting 10 – Sub Chris Hegarty to re for any retaining w Meeting 13. This i No progress on th matter ested Resolution scussion	lution was Committee of A eview the docur vall related advid tem was not dis	ment and advise. Phil Mo ce cussed. Chris, Jamie an	sed SC), Jamie McCaul (RRC), and Kone to check LGAQ legal site d Dev to meet to progress further. and resources to progress the
		<u>By</u> MCE			

M22.03.01	CMDG-G-013 Locking Rail – Not discussed	
	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 O. RRC Parks have advised that they are heading away from the lockable pole insert type given the manual handling associated with it. They are actually replacing these types across the region with the swing gates as shown in the attached picture. Suggested Resolution A new CMDG drawing be produced for Swing Gates Lockable Park access
	Action By MCE
M22.03.03	D2, C242 & C221 Use of Recycled Glass – Not discussed
	 GRC are seeking was to amend CMDG to allow use of Recycled Glass in line with the TMR specs for pavement design – reference to be considered in either (D2 - Pavement Design) or (C242 - Flexible Pavement). In addition to pavement, having Recycle Glass as a suitable material for stormwater bedding/trenching material around concrete pipes (C221 Pipe Drainage). Proposal: In C242 - Recycle glass aggregate may be considered as an alternative to a quarry or natural sand material for unbound pavements when used in accordance with TMR specifications. References Materials: MTRS05 Unbound Pavements, MTRS36 Recycle Glass Aggregate.
	 In C242 - Recycle glass aggregate may be considered as an alternative to a quarry or natural sand material for bedding material of reinforced concrete and fibre reinforced concrete pipes in accordance with bedding material grading limits. There are other alternative recycle materials that may be considered by the group. Attachment Q is the Current TMR Spec for recycled glass.

		Maximum Limit of each Constituent (percent by mass)						
	Subtype	Natural Recycled materials						
		gravel or quarried material	Recycled concrete	RAP 0	Recycled brick	Recycled glass ^		
	2.1		100			0.03		
	2.2	100	100	15	15	0		
	2.3	100	100	20	20	20		
	2.4	100	100	20	45	20		
	2.5	100	100	45	45	20		
M13.10	Action By MCE	moval of "Tu	unk" and "N	on-Trunk"	wording from	scope secti	ion D11 01 01	
M10.10	D11 and D12 -Removal of "Trunk" and "Non-Trunk" wording from scope section. D11.01.01 and D12.01.01 – Not discussed							
	 The resolution at Meeting 13 was - After a short discussion it was agreed that the CMDG documentation remain unchanged and relate to Non-Trunk items only. In general, specific design requirements for Trunk infrastructure would be dealt with in the LGIP's. GRC has requested further discussion of the matter. Agenda text from meeting 13 follows for further background. The current wording in D11.01.01 is as follows – D12 is similar. 							
	design red GRC has Agenda te	<i>quirements fo</i> requested fu ext from mee	or <i>Trunk infras</i> rther discussio ting 13 follows	nd relate to tructure wo on of the ma for further	Non-Trunk ite uld be dealt w atter. background.	ems only. In g vith in the LGI	•	

	10 CMDG Guidelines D11 and D12 - amendments to suit trunk (LSC - Phil McKone) The following advice has been received from Phil McKone (for discussion)					
	The introduction paragraph that states the Guideline is intended for non-trunk works can be changed ONLY if the trunk design parameters are included in the document.					
	The trunk design parameters are listed in the LGIP and AICR.					
	The risk profile is different and is focused on the bulk transfer of water and no access to individual properties.					
	The important water supply differences are:					
	 no pressure limitations, both minimum and maximum. no velocity limitations no fluctuation limitations 					
	For sewerage,					
	 the ADWF flow patterns will be significantly different from the reticulation flow patterns due to system attenuation and pumped flow rates. This effects scouring velocities. trunk gravity mains are basically a hydraulic head design, as the grades are so flat compared to the diameter of the pipe branch main connections should be obvert consistent, not invert level based. A high water level in large trunk main may cause a continuous surcharge a small branch lateral trunk sewage pump stations will be more sophisticated and greater equipment. 					
	Meeting date: 14 March 2019 Prepared by M Borg & C Hegarty					
	Page 2					
	Suggested Resolution					
	For discussion					
	Action By					
M22.03.05	CP1.28 Bonding of uncompleted works. Amendments to document – Not discussed					
	The meeting 15 resolution on this was "Take out of agenda for now. GRC will provide					
	additional information and commentary for clarity".					
	GRC have provided a marked up version of CP1 with proposed changes mainly around the					
	 use of bonding deeds but also other issues – refer to comments in Right hand column Attachment R1 is the CP1 Ver 4 Draft document and Attachment R2 is an example bonding 					
	 deed used by RRC. Attachment R3 is the existing CP1B Security Lodgement Form. It is suggested that this form be retained as it has value in calculating the bond amount based on information provided by the RPEQ Engineer. The bonding deed is then the agreement between the Council and the developer which quotes the calculated bond amount. 					
	Suggested Resolution					
	The CP1 Version 4 draft be adopted and loaded up to the website.					
	The bonding deed be provided in MS Word format on the website					
	Action By MCE					
M22.04.01	Review of Reference documents in all Specifications – Not discussed					

	 BSC (Daniel) suggests the group consider a Design Specification review and revising the referencing to current standards/guidelines. These references should provide the same or better information that was originally referred to by the CMDG Design Specs. Whilst GRC conducted a review of many of the specs when joining the group there has been only ad hoc review of standards and references since. For discussion at this stage – the question is when should reviews take place and what resources should be assigned to it? Suggested Resolution For discussion
M22.04.02	D1 - Road Truncations - Not discussed Previous Resolution was: Mohit to review. MCE to proceed with including the truncations clause into D1. Mohit/ RRC to advise if changes are required. Inclusion of a clause in D1 for truncation of the real property boundary to provide this guidance for development applications and internal design works where new road reserves are being created / land is being purchased or resumed. The wording of this section to be consistent with section 6.3.2 Calliope Shire Council and Gladstone City Council 2005, Roads and Transport Standard 2005 Action By MCE/ RRC Suggested Resolution None at this stage - awaiting approval of D1 document and RRC review.
M22.04.03	 D1 - National Light Pollution Guidelines for wildlife – Not discussed This has been actioned and line items included in Draft D1 document under Urban and Rural sections. Suggested Resolution None at this stage – awaiting approval of D1 document <u>Action By</u>
M22.04.04	 D5 – Polypropylene maintenance structures for gravity sewers – Not discussed Iplex has requested that CMDG D5 be updated to allow for the use of 1000mm dia polypropylene maintenance shafts. The Iplex Ezipit technical guide is included as Attachment S EZI pit, in all the sizes (MS (DN425), MC(DN600) and MH(DN1000)) are approved by the majority of the water Authorities in Melbourne, approved by Unity Water, Gold Coast Council, Logan Council, and Redlands Council in the SEQ water grid. The EZIpit has been around for a number of years - with about 15 years of use in Australia and 35 years use in Europe.

