

NOTICE OF MEETING

Dear Committee Members

You are requested to attend the following meeting of Council.

WATER AND WASTE STANDING COMMITTEE MEETING OF ISAAC REGIONAL COUNCIL

TO BE HELD ON

WEDNESDAY, 19 JUNE 2024

COMMENCING AT 1.00PM

COUNCIL CHAMBERS - MORANBAH

DARREN FETTELL

Acting Chief Executive Officer

SCOTT CASEY

Committee Officer

Director Water and Waste

Committee Members:

Cr Simon West (Chair)

Mayor Kelly Ve'a Ve'a

Cr Vern Russell

Cr Rachel Anderson

Cr Viv Coleman

LOCAL GOVERNMENT ACT 2009

Local Government Regulation 2012

Chapter 8, Part 2 Local Government Meetings and Committees

Division 1A, Requirements for Local Government Meetings Generally

Section 254J Closed meetings

- (1) A local government may resolve that all or part of a meeting of the local government be closed to the public.
- (2) A committee of a local government may resolve that all or part of a meeting of the committee be closed to the public.
- (3) However, a local government or a committee of a local government may make a resolution about a local government meeting under subsection (1) or (2) only if its councillors or members consider it necessary to close the meeting to discuss one or more of the following matters—
 - (a) the appointment, discipline or dismissal of the chief executive officer;
 - (b) industrial matters affecting employees;
 - (c) the local government's budget;
 - (d) rating concessions;
 - (e) legal advice obtained by the local government or legal proceedings involving the local government including, for example, legal proceedings that may be taken by or against the local government;
 - (f) matters that may directly affect the health and safety of an individual or a group of individuals;
 - (g) negotiations relating to a commercial matter involving the local government for which a public discussion would be likely to prejudice the interests of the local government;
 - (h) negotiations relating to the taking of land by the local government under the [Acquisition of Land Act 1967](#);
 - (i) a matter the local government is required to keep confidential under a law of, or formal arrangement with, the Commonwealth or a State.
- (4) However, a local government or a committee of a local government must not resolve that a part of a local government meeting at which a decision mentioned in [section 150ER\(2\)](#), [150ES\(3\)](#) or [150EU\(2\)](#) of the [Act](#) will be considered, discussed, voted on or made be closed.
- (5) A resolution that a local government meeting be closed must—
 - (a) state the matter mentioned in subsection (3) that is to be discussed; and
 - (b) include an overview of what is to be discussed while the meeting is closed.
- (6) A local government or a committee of a local government must not make a resolution (other than a procedural resolution) in a local government meeting, or a part of a local government meeting, that is closed.

Conflict of Interest Obligations

Reference is made to Section 150EL of the Local Government Act 2009. Specifically, the obligation of Councillors when they first become aware they have a conflict of interest to make the Chief Executive Officer aware in writing or if in a meeting, ensure they declare immediately.

**WATER AND WASTE
STANDING COMMITTEE MEETING
OF ISAAC REGIONAL COUNCIL TO
BE HELD ON
WEDNESDAY 19 JUNE 2024
COUNCIL CHAMBERS, MORANBAH**

1. OPENING OF THE MEETING
2. APOLOGIES
3. DECLARATION OF CONFLICTS OF INTEREST
4. CONFIRMATION OF MINUTES
5. OFFICER REPORTS
6. INFORMATION BULLETIN REPORT
7. GENERAL BUSINESS
8. CONCLUSION

TABLE OF CONTENTS

1. OPENING OF MEETING

2. APOLOGIES

3. DECLARATION OF CONFLICTS OF INTEREST

4. CONFIRMATION OF MINUTES

Water and Waste Standing Committee Meeting of Isaac Regional Council that was held in the Council Chambers, Moranbah, and commenced at 1pm on Wednesday 22 May 2024.

5. OFFICER REPORTS

5.1 WATER AND WASTE 2023-2024 CAPITAL PROJECTS PROGRESS REPORT

EXECUTIVE SUMMARY

This report aims to update the Water and Waste Standing Committee and Council on the advancements in the Water and Waste 2023/24 Capital Works Program.

5.2 RESPONSIBILITY FOR CONSTRUCTION OF INFRASTRUCTURE – WATER AND SEWER CONNECTIONS

EXECUTIVE SUMMARY

This report defines the location of customer connection points to Council's water, recycled water and sewerage networks. Accurate definition of the connection point is required to ensure it is clear which part (Council or the homeowner) has responsibility for maintenance of the infrastructure.

For the water network the connection point is immediately downstream of the water meter.

For the recycled water network, if the supply is metered, then the connection point is the first connection point immediately downstream of the meter and if the supply is not metered, the connection point is the first connection point immediately after the valve at the connection assembly.

For sewerage networks the connection is immediately after the first Inspection Opening at the connection to Council's network.

5.3 AUDIT OF COMMERCIAL AND INDUSTRIAL WASTE - MORANBAH

TABLE OF CONTENTS

EXECUTIVE SUMMARY

This report provides information on an audit of the composition of selected samples of commercial and industrial waste at Moranbah Waste Management Facility, carried out in October 2023.

5.4 MATERIALS RECYCLING FACILITY RECOVERY SHARE ARRANGEMENT 2024-25

EXECUTIVE SUMMARY

This report seeks endorsement of the renewed 2024-25 Recovery Share Arrangement with the operators of the Materials Recycling Facility (MRF) currently used by Isaac Regional Council for the disposal of recyclable household waste, in order to receive a share of the Container Deposit Scheme (CDS) deposits from eligible containers which are collected via Isaac Regional Council's kerbside recycling collection service.

6. INFORMATION BULLETIN

6.1 WATER AND WASTE INFORMATION BULLETIN – MAY 2024

EXECUTIVE SUMMARY

The Water and Waste Directorate Information Bulletin for May 2024 is provided for Committee review.

7. GENERAL BUSINESS

8. CONCLUSION

UNCONFIRMED MINUTES

WATER AND WASTE STANDING COMMITTEE MEETING OF
ISAAC REGIONAL COUNCIL

HELD ON
WEDNESDAY, 22 MAY 2024
COMMENCING AT 1.00PM

ISAAC REGIONAL COUNCIL
UNCONFIRMED MINUTES OF THE
WATER AND WASTE
STANDING COMMITTEE MEETING
HELD IN COUNCIL CHAMBERS, MORANBAH
ON WEDNESDAY 22 MAY 2024

Table of Contents	Page
1. Opening	3
2. Apologies and Leave of Absences	3
3. Declaration of Conflicts of Interest	4
4. Confirmation of Minutes	4
5. Officer Reports	5
6. Information Bulletin Reports	9
7. General Business	10
8. Conclusion	10

ISAAC REGIONAL COUNCIL

UNCONFIRMED MINUTES OF THE

WATER AND WASTE

STANDING COMMITTEE MEETING

HELD IN COUNCIL CHAMBERS, MORANBAH

ON WEDNESDAY 22 MAY 2024 COMMENCING AT 1.00PM

ATTENDANCE

Cr Simon West, Division Four (*Chair*)
Cr Vern Russell, Division Two
Cr Rachael Anderson, Division Seven
Cr Viv Coleman, Division Eight

**COMMITTEE
APOLOGIES**

Mayor Kelly Vea Vea

OBSERVERS

Cr Alaina Earl, Division Five

OFFICERS PRESENT

Mr Scott Casey, Director Water and Waste
Mr Robert Perna, Director Engineering and Infrastructure
Mrs Tricia Hughes, Coordinator Executive Support, Office of the Mayor and Chief Executive Officer

1. OPENING

The Chair welcomed all in attendance and declared the meeting open at 2.00pm and acknowledged the traditional custodians of the land on which we meet today and paid his respects to their Elders past, present and emerging.

2. APOLOGIES AND LEAVE OF ABSENCES

A Leave of Absence has been requested from Mayor Kelly Vea Vea as she is attending the Civic Leaders Summit

Resolution No.: W&W0487

Moved: Cr Vern Russell

Seconded: Cr Viv Coleman

That the Water and Waste Standing Committee accepts the Leave of Absence has been requested from Mayor Kelly Vea Vea as she is attending the Civic Leaders Summit.

Carried

3. DECLARATION OF CONFLICTS OF INTEREST

No conflict of interests declared this meeting.

NOTE:

Council acknowledges that Chapter 5B Councillors' Conflicts of Interest of the Local Government Act 2009 does not apply to a Councillor if the matter to be resolved relates to a corporation or association that arises solely because of a nomination or appointment of the councillor by the local government to be a member of the board of the corporation or association.

4. CONFIRMATION OF MINUTES

Confirmation of minutes from Water and Waste Standing Committee Meeting of Isaac Regional Council held at Council Chambers, Moranbah on Wednesday 21 February 2024.

Resolution No.: W&W0488

Moved: Cr Viv Coleman

Seconded: Cr Rachel Anderson

That the minutes from the Water and Waste Standing Committee meeting held in Council Chambers, Moranbah on Wednesday 21 February 2024 are confirmed.

Carried

5. OFFICERS REPORTS

5.1 Water and Waste Directorate 2023/2024 Capital Projects Progress Report

EXECUTIVE SUMMARY

This report is to provide an update to the Water and Waste Standing Committee and Council on the progress of the delivery of the Water and Waste Directorate 2023/2024 Capital Works Program.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Receives and notes the monthly Water and Waste 2023/2024 Capital Projects Progress Summary Report.*

Resolution No.: W&W0489

Moved: Cr Viv Coleman

Seconded: Cr Vern Russell

That the Committee recommends that Council:

- 1. Receives and notes the monthly Water and Waste 2023/2024 Capital Projects Progress Summary Report.**

Carried

5.2 Water Quality Investigation Action Plan Update

EXECUTIVE SUMMARY

The purpose of this report is to present to Council the Water Quality Reliability Investigation Action Plan Deliverables following the 2021/2022 Christmas Period water quality incidents.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Receives and notes the Report for the Water Quality Investigation Action Plan Deliverables.*

5.4 Exception Based Contractual Arrangements – Adept Contractors

EXECUTIVE SUMMARY

The purpose of this report is to seek retrospective endorsement for the arrangement of continuing the watering of the hydro mulched banks at the Moranbah 400ML dam site through Adept Contractors Pty Ltd, following the completion of the construction project by Vassallo Constructions Pty Ltd (Contract IRCT-MBH3-1021-259 Moranbah 400ML Raw Water Dam Remediation Works), under the exception provisions for entering into medium or large-sized contractual arrangements within s235 (b) of the *Local Government Regulations (2012)*.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- Notes that due to the importance and urgency of the watering of Moranbah 400ML hydromulched water reservoir banks, following the construction completion, it would have been impractical or disadvantageous for the local government to invite quotes from other suppliers;**
- Retrospectively endorses the enclosed exception to enter into a medium or large-sized contractual arrangement as per s235 of the *Local Government Regulations (2012)* for watering the hydro-mulched Moranbah 400ML water reservoir banks as per Quotation 7562 dated 11 April 2024, conducted by Adept Contractors Pty Ltd.**

Resolution No.: W&W0492

Moved: Cr Rachel Anderson

Seconded: Cr Vern Russell

That the Committee recommends that Council:

- Notes that due to the importance and urgency of the watering of Moranbah 400ML hydromulched water reservoir banks, following the construction completion, it would have been impractical or disadvantageous for the local government to invite quotes from other suppliers;**
- Retrospectively endorses the exception to enter into a medium or large-sized contractual arrangement as per s235 of the *Local Government Regulations (2012)* for watering the hydro-mulched Moranbah 400ML water reservoir banks as per Quotation 7562 dated 11 April 2024, conducted by Adept Contractors Pty Ltd.**

Carried

5.5 Water and Waste Service Complaints Policy

EXECUTIVE SUMMARY

The purpose of this report is to present the Water and Waste Service Complaints Policy for review and adoption.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. *Adopts the updated Water and Waste Service Complaints Policy (WW-POL-108).*

Resolution No.: W&W0493

Moved: Cr Rachel Anderson

Seconded: Cr Vern Russell

That the Committee recommends that Council:

1. **Adopts the updated Water and Waste Service Complaints Policy (WW-POL-108).**

Carried

5.6 Water and Sewerage Connections and Disconnections Policy

EXECUTIVE SUMMARY

The purpose of this report is to present the Isaac Regional Council (Council) Water and Sewerage Connections and Disconnections Policy for review and adoption.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. *Adopts the updated Water and Sewerage Connections and Disconnections Policy (CORP-POL-085).*

7. GENERAL BUSINESS

7.1 Water and Waste Conferences

Cr Coleman asked if the committee members could be provided with a briefing on upcoming Water and Waste related conferences (next one to two years).

ACTION: DIRECTOR WATER AND WASTE

7.2 Weed – St Lawrence Weir

Cr Coleman mentioned that the St Lawrence Weir appears to have increased growth in Salvina/Lettuce Leaf – can this please be checked before it becomes an issue.

ACTION: DIRECTOR WATER AND WASTE

ATTENDANCE

Rachel Anderson left the meeting room at 2.37pm.

7.3 Charging of Waste Fees for Not-for-Profit Volunteer Organisations

Cr Alaina Earl raised the matter of Not-for-Profit Volunteer Organisations being charges waste fees.

The Chair, Cr Simon West requested that a report is presented to the committee for consideration on this matter.

ACTION: DIRECTOR WATER AND WASTE

8. CONCLUSION

There being no further business, the Chair declared the meeting closed at 2.45pm.

These minutes will be confirmed by the Committee at the Water and Waste Standing Committee Meeting to be held on Wednesday 19 June 2024 in Moranbah.

.....
CHAIR

..... / /
DATE

MEETING DETAILS

Water and Waste Standing Committee Meeting

Wednesday 19 June 2024

AUTHOR

Amal Meegahawattage

AUTHOR POSITION

Manager Planning and Projects

5.1 WATER AND WASTE 2023-24 CAPITAL PROJECTS PROGRESS REPORT

EXECUTIVE SUMMARY

This report aims to update the Water and Waste Standing Committee and Council on the advancements in the Water and Waste 2023/24 Capital Works Program.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. *Receives and notes the monthly Water and Waste 2023/24 Capital Projects Progress Summary Report.*

BACKGROUND

Regular updates on the financial and physical status of projects within the 2023/24 Water and Waste Capital Works program are crucial to keep Council informed about the program's progress and associated risks.

IMPLICATIONS

The attached Water and Waste 2023/24 Capital Projects Progress Summary provides an overview of the financial and physical status of all projects, with red indicating a projected cost overrun of over 10% or completion after June 2024, yellow indicating a cost overrun of 0-10%, and green indicating no issues. Brief commentary is provided to explain the status of each project. Larger and more complex projects are sometimes delivered over multiple financial years and the exact expenditure in each year may deviate from the annual budget due to variations in the delivery schedule. This can affect expenditure in each year without exceeding the total budgeted amount for the project.

Compliance

Compliance with the Water and Waste 2023/24 Capital Works Program is essential to meet the identified timeframes of the 2023/24 financial year.

Key Capital Projects

1. CW222974 – CORP Sewer Relining

Initiated in September 2023, construction was successfully completed in April. The project will be finalized upon completion of the as-constructed drawings.

2. CW233156 – Clermont Waste Management Facility Weighbridge Installation

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This project involves designing and constructing a weighbridge, gatehouse, and access road, integrating a waste data recording system at the Clermont landfill. The Design & Construct contract was awarded in January 2024. The main construction work is complete, and the final inspection for Practical Completion occurred on 4 June. Some additional minor works remain before finalizing the project.

3. CW222983 – Moranbah Water Treatment Plant Roof Replacement

Construction of a new roof for the 5.7ML water reservoir at the Moranbah Water Treatment Plant began in March. On-site roof structure installation started in March. Work continues with under-pressure blasting of internal walls and welding. Equipment failures have caused delays. The contractor has presented a revised schedule, anticipating project completion in September 2024.

4. CW233141 – Nebo Water Network Augmentation

This project involves constructing a new water main in Nebo. The Design and Construct (D&C) contractor continued on-site work throughout May. The water main upgrade at the truck-fill point was completed and commissioned. Pressure testing of the remaining water main began the week of 3 June.

5. CW233151 – St Lawrence Raw Water Storage and Raw Water Main

The new raw water main construction was completed and commissioned in November 2023. The tender for the water storage component closed in December 2023, yielding only one response significantly exceeding the budget. After negotiations, a contract meeting the project objectives within the available budget was awarded to the successful bidder in late April. Construction is ongoing and will extend into the next financial year.

6. CW233150 – Clermont Water Treatment Plant Filter Media Replacement And Plant Modernisation

This project focuses on modernising the plant to enhance the drinking water process, aligning with the IRC Drinking Water Quality Management Plan (DWQMP). A thorough review of the original scope and prioritisation identified the installation of turbidity analysers for the three filters and combined filtered water, the switchgear upgrade design and construction, and the chemical dosing upgrade design and construction as the highest priorities. These improvements will guide future work on filter performance and determine the extent of media replacement required.

The project receives a state grant component; therefore, the project name remains unchanged despite the exclusion of the filter media replacement component from the current project. However, in March 2024, the funding agency approved the scope change and extension of time to complete the project.

The tender for Turbidity Analysers was awarded in late March. The Design and Construct contract for the Switchgear Upgrade was awarded in May. Following the tender evaluation for the Chemical Dosing Upgrade design, internal stakeholders agreed to rescope the project and recommence tendering as a Design and Construct project. The Operations and Planning and Projects teams are collaborating to complete the revised scope and tender documentation.

7. CW243205 – Moranbah Rectification of Landfill Cell

A \$4.2 million budget allocation was made for this project in the 2023/24 financial year. However, given the timeline proposed by the project management consultant, the project will be completed in the 2024/25 financial year, carrying forward \$3.7 million. The contract for geotechnical specialist engagement was awarded in late April, and work is progressing with the development of rectification options.

8. CW243204 – Glenden Landfill to Transfer Station

This project involves constructing a ramp, retaining walls, and handrails. The contract was awarded in late March, and the contractor completed the design review. On-site construction began in late May, with the first concrete pour for the lower bin slabs completed on 31 May. Construction is expected to be completed by the end of June.

9. CW243239/ CW243240 – Carmila and Greenhill Landfill Capping

These Design Only projects focus on landfill capping for regulatory compliance in Carmila and Greenhill. The design consultant completed the geotechnical investigation of capping material and incorporated the results into the erosion and sediment control, drainage, and capping works proposal. Landfill Rehabilitation and Landfill Aftercare plans are in progress.

BENEFITS

Council can see a monthly progress report detailing the progress of projects in the Water and Waste 2023/24 Capital Program. This report communicates risks, failures and delays that have been identified within the Water and Waste 2023/24 Capital Works program.

CONSULTATION

- Director Water and Waste
- Manager Operations and Maintenance
- Manager Waste Services
- Planning & Project Department Project Managers

BASIS FOR RECOMMENDATION

To improve business within the Water and Waste Directorate by providing more appropriate and relevant reporting, transparency, and a clear monitoring tool for Council. This report will help identify and communicate any project delays or possible project failures.

ACTION ACCOUNTABILITY

The Managers and the Director of Water and Waste oversee the scoping, procurement, and completion of the projects identified within the 2023/24 Capital Projects Progress Summary spreadsheet. Furthermore, the appropriate Managers and the Director Water and Waste are held accountable for the delivery of the project stages which are completed within the identified timeframes.

KEY MESSAGES

That Council has open communication, oversight, and transparency of the Water and Waste 2023/24 Capital Works Program, to ensure Isaac will have effective and sustainable water and waste infrastructure that supports the needs of the region's communities and economic sectors.

Report prepared by:

AMAL MEEGAHAWATTAGE
Manager Planning and Projects

Date: 03 June 2024

Report authorised by:

SCOTT CASEY
Director Water and Waste

Date: 4 June 2024

ATTACHMENTS

- CONFIDENTIAL Attachment 1 – Water and Waste Capital Projects Progress Summary Spreadsheet May 24

REFERENCE DOCUMENT

- Nil.

PAGES 20 - 21 HAVE INTENTIONALLY BEEN REMOVED DUE TO CONFIDENTIAL REASONS

MEETING DETAILS	Water and Waste Standing Committee Meeting Wednesday 19 June 2024
AUTHOR	Gary Carlyle
AUTHOR POSITION	Planning Engineer

5.2 RESPONSIBILITY FOR CONSTRUCTION OF INFRASTRUCTURE – WATER AND SEWER CONNECTIONS

EXECUTIVE SUMMARY

This report defines the location of customer connection points to Council's water, recycled water and sewerage networks. Accurate definition of the connection point is required to ensure it is clear which part (Council or the homeowner) has responsibility for maintenance of the infrastructure.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Adopts Capricorn Municipal Design Guidelines (CMDG) Drawings CMDG-W-030, CMDG-W-093, CMDG-W-094, CMDG-W-094A with annotations identifying the Recommended Connection points for Council's Water, Recycled Water and Sewer Networks.***
- 2. Authorises the Chief Executive Officer or delegate to provide the required amendments to the current and subsequent revisions of the Capricorn Municipal Design Guidelines (CMDG) Drawings to better accommodate IRC's requirements where necessary.***

BACKGROUND

Council adopted the Capricorn Municipal Design Guidelines (CMDG) as the Standard for development works in February 2016 (Resolution #4402). The CMDG Committee recently updated the Standard drawing for;

- House Connection Branches
- 20, 25, 32, 40mm Water Meter Detail Above Ground
- 50, 80, 100, 150 and 200mm Water Meter Connections
- 50, 80, 100 and 200mm Water Meter Connections Fire Line only

The sewer house connections branches drawing shows the responsibility for construction of infrastructure to new developments and recommends the responsibility for ownership of infrastructure at the connection be determined by individual councils.

This document has been prepared to clarify the location of the customer connection point for each service. Accurate definition of the connection point is required to ensure it is clear which party (Council or the homeowner) has responsibility for maintenance of the infrastructure.

////////////////////////////////////

The previous resolution of Council (4402) authorised the Engineering and Infrastructure Directorate to provide required amendments to the current CMDG to better accommodate IRC's requirements where necessary. This report seeks to adopt the updated CMDG guidelines and clearly identify the point of connection for the water, sewerage and recycled water networks.

IMPLICATIONS

The implication of these drawings is that it will be clear who has the responsibility for maintenance of infrastructure at the connection point for Council's Water, Recycled Water and Sewerage Networks.

CONSULTATION

- Manager Operations and Maintenance
- Manager Planning and Projects
- Director Water and Waste
- Plumbing Inspector

BASIS FOR RECOMMENDATION

Water and Recycled Water

The Connection Point for a potable water supply is at the first downstream join of the water meter to the householder's supply. The basis for this decision is because all water usage through the meter is the responsibility of the landowner, therefore responsibility for the maintenance of the infrastructure must be with the landowner.

Similarly, the Connection Point for a metered recycled water supply is at the first downstream connection of the recycled water meter to the landowner's supply.

The Connection Point for a non-metered recycled water supply is at the first downstream join of the control valve to the landowner's supply. If the downstream joint of the control valve is leaking, it is the landowner's responsibility for the leaking water. The basis for this decision is because all water usage for the property is the responsibility of the landowner, so responsibility for all maintenance of the infrastructure must be with the landowner. Note, that all third party recycled water connections are currently metered, and it is only Council owned recycled water meter connections that are unmetered. There is a program to meter all Recycled Water connections underway.

Drawings of CMDG Water Meter Details are attached with the proposed connection point added to identify the location of the Connection Point for new and existing connections. Note, that the original CMDG drawing does not specify the connection point.

Sewer

The Connection Point for the sewer network is the first joint upstream of the first Inspection Opening on the customer's property.

Australian Standard AS3500 requires that an inspection opening is required at the connection to the network utility operator's sewer.

The Sewerage Code of Australia provides for two types of sewer connections:

1. I.O. Interface Method – connection point is on the property owner’s side of the first Inspection Opening on the house connection.
2. Buried Interface Method - connection point is on Council’s side of the first Inspection Opening on the house connection.

The relevance of these two types of connections is whether Council or the landowner has responsibility for the maintenance of the Inspection Opening and Jump Up (if provided).

Currently IRC adopts the I.O. Interface Method and therefore Council takes responsibility for repair of the first Inspection Opening and Jump Ups. This is consistent with the Design Guidelines for all South East Qld Water authorities and Cairns, Townsville and Mackay.

Drawings of CMDG House Connection Branches are attached with the proposed Connection Point added for each type of connection. The original CMDG drawings do not specify the connection point, and instead have a note that the “extent of house connection ownership is to be determined by individual LGA’s via internal policy documentation”. The annotation and adoption of these drawings specifically identifies the points of connection to remove any confusion or points of contention in the future.

For general information on Council’s Water and Sewerage connections and disconnections, refer to the Water and Sewerage Connection and Disconnection Policy (CORP-POL-085).

ACTION ACCOUNTABILITY

Manager of Operations and Maintenance and Director Water and Waste are responsible for ensuring that the connection points are clearly defined to enable the responsibility of infrastructure to be clearly determined.

KEY MESSAGES

The connection point of services to Council’s potable water, recycled water and sewer network have been clearly defined to clarify the responsibility for maintenance of network infrastructure.

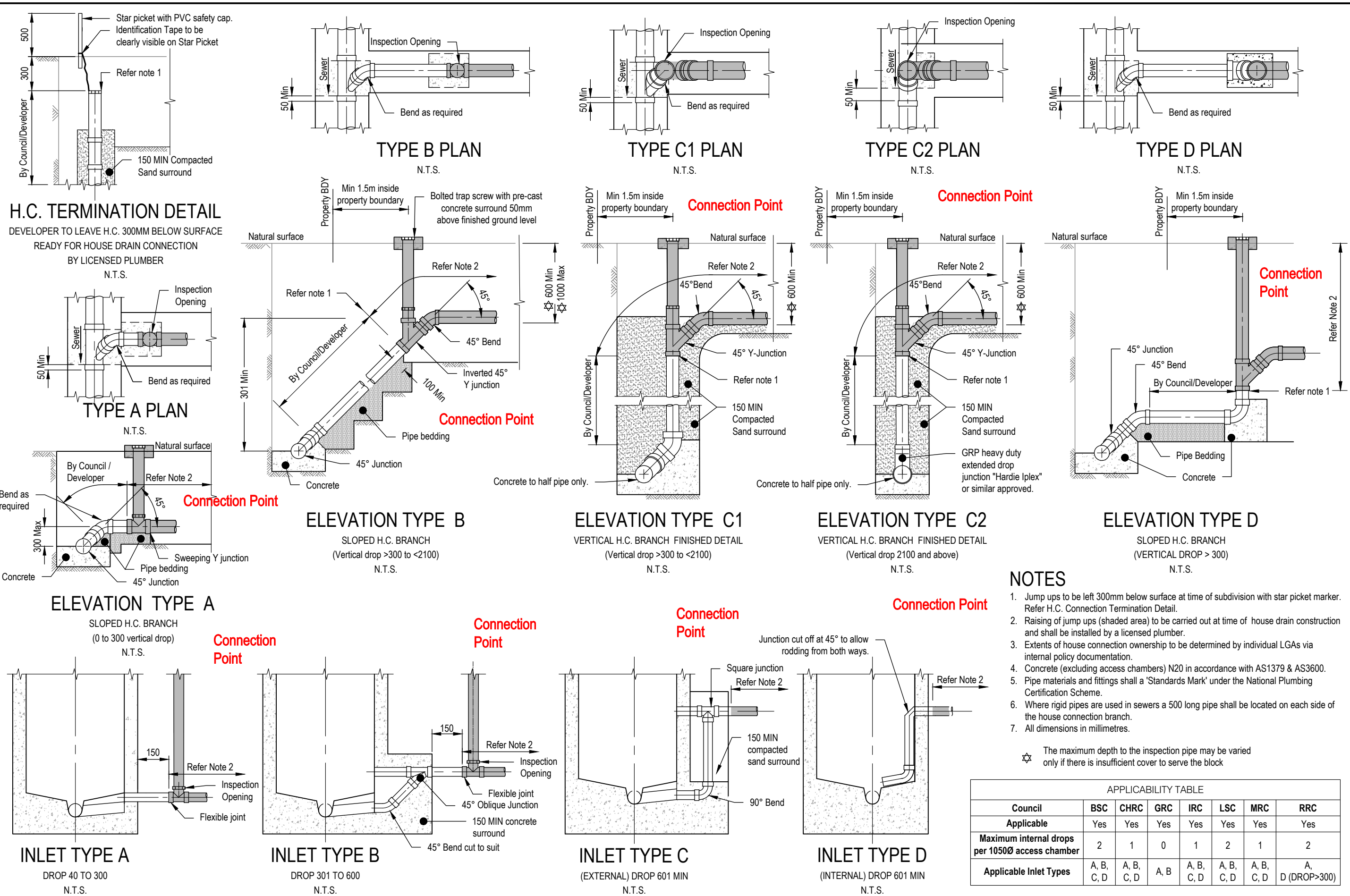
Report prepared by: GARY CARLYLE Planning Engineer Date: 19 April 2024	Report authorised by: SCOTT CASEY Director Water and Waste Date: 11 June 2024
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ATTACHMENTS

- Attachment 1 – CMDG Drawing CMDG-W-030 – With Annotations showing connection point.
- Attachment 2 – CMDG Drawing CMDG-W-093 – With Annotations showing connection point.
- Attachment 3 – CMDG Drawing CMDG-W-094 – With Annotations showing connection point.
- Attachment 4 – CMDG Drawing CMDG-W-094A – With Annotations showing connection point.

REFERENCE DOCUMENT

- CMDG-S-030 House Connection Branches. www.cmdg.com.au/downloads/file/229/cmdg-s-030-house-connection-branches
- CORP-POL-085 Water and Sewerage Connections and Disconnections Policy
- Council Resolution No. 4402 – Endorsement of the Capricorn Municipal Development Guidelines



NOTES

- Jump ups to be left 300mm below surface at time of subdivision with star picket marker. Refer H.C. Connection Termination Detail.
- Raising of jump ups (shaded area) to be carried out at time of house drain construction and shall be installed by a licensed plumber.
- Extents of house connection ownership to be determined by individual LGAs via internal policy documentation.
- Concrete (excluding access chambers) N20 in accordance with AS1379 & AS3600.
- Pipe materials and fittings shall have a 'Standards Mark' under the National Plumbing Certification Scheme.
- Where rigid pipes are used in sewers a 500 long pipe shall be located on each side of the house connection branch.
- All dimensions in millimetres.

☆ The maximum depth to the inspection pipe may be varied only if there is insufficient cover to serve the block

APPLICABILITY TABLE

Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximum internal drops per 1050Ø access chamber	2	1	0	1	2	1	2
Applicable Inlet Types	A, B, C, D	A, B, C, D	A, B	A, B, C, D	A, B, C, D	A, B, C, D	A, D (DROP>300)

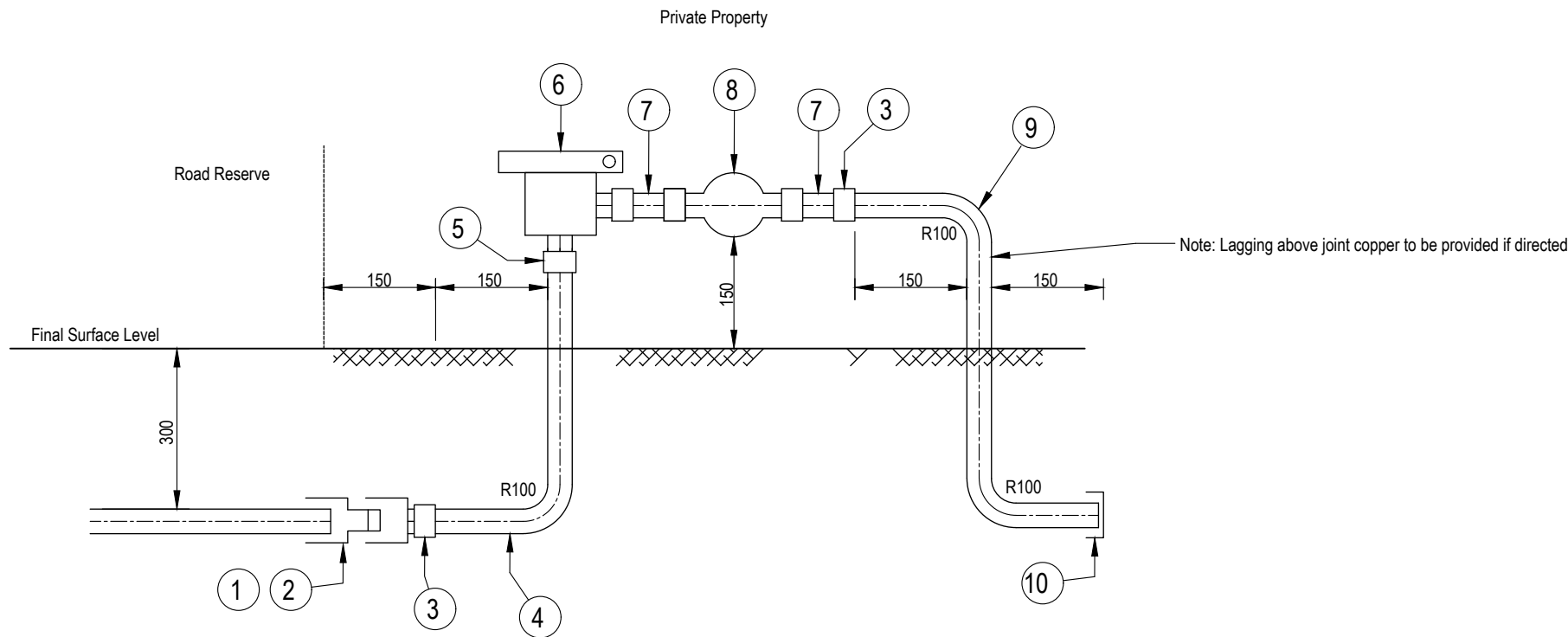
REVISIONS	DATE
I CONSTRUCTION EXTENTS CLARIFIED	03/2024
H VERTICAL CONNECTION ADDED, TYPE 2 DETAIL REMOVED	08/2022
G IRC ADDED	11/2016
F AMEND GRC PPE DEVELOPMENT TYPE DETAIL	03/2015
E GRC AND LSC ADDED	09/2014
D INSPECTION OPENING ADDED CHRC APPLICABILITY AMENDED	04/2013

DISCLAIMER.
 The authors and sponsoring organisations shall have no liability or responsibility to the user or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused, directly or indirectly, by the adoption and use of these Standard Drawings including, but not limited to, any interruption of service, loss of business or anticipatory profits, of consequential damages resulting from the use of these Standard Drawings. Persons must not rely on these Standard Drawings as the equivalent of, or a substitute for, project-specific design and assessment by an appropriately qualified professional.

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)

HOUSE CONNECTION BRANCHES
 CMDG Drawing annotated to show the location of the connection point for new and existing connections of this type.

SEWER	
STANDARD DRAWING	A3
CMDG-S-030	
REV.	D E F G H I



MINIMUM COVER IN PUBLIC AREAS

Location	Minimum Cover Measure below ground surface level in mm
Unpaved	450
Paved or Road Surface	450
Solid Rock	300

Table 5.3 as given in A.S.3500.1:2003

- ① Remove poly end cap if applicable.
- ② Poly Fitting, DN 25 Poly - 20 MI.
- ③ Copper Compression Fitting, 20 FI - 20 copper compression.
- ④ Copper Riser Pipe Inlet, 20mm Class B, 1 x Radius Bend.
- ⑤ Copper Compression Fitting, 20 Compression - 20 MI.
- ⑥ Lockable RA Ball Cock, 20mm FI - FI.
- ⑦ Water Meter Tail Fitting, 20mm MI - 20mm Meter Compression.
- ⑧ Water Meter, 20mm including dual check.
- ⑨ Copper Riser Pipe Outlet, 20mm Class B, 2 x Radius Bends.
- ⑩ Plain end, seal with electrical tape to prevent ingress.

NOTES:

- 1. Ball valves must be Q.W.R.C. Joint Committee Approved.
- 2. Ball valves shall be made from brass or gunmetal and shall have a chrome plated ball.
- 3. 20mm I.D. Ball Valves shall have BSP threaded male and female ends.
- 4. All Polyethylene Pipes and Fittings shall be CLASS 12.5 or 16 in Accordance with AS/NZS 4130 and AS/NZS 4129 respectively, refer to applicability table for details.
- 5. * Alignment for existing connections will vary according to the area. Replacement connections and meters will align with existing property line connection.
- 6. NO GALVANIZED FITTINGS TO BE USED.
- 7. All dimensions in millimetres

APPLICABILITY TABLE							
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	Yes	Yes	No	Yes	No	Yes	No
Poly Pipe and Class	PN12.5	PN12.5		PN12.5		PN12.5	
Applicable DWG	CMDG-W-091						

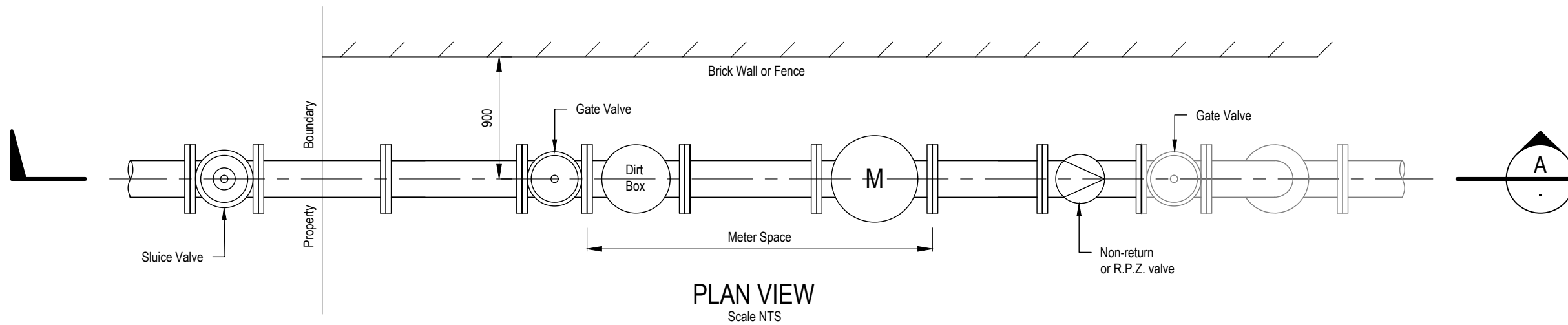
REVISIONS	DATE
J POLY PIPE CLASS AMENDED FOR LSC	09/2023
I 32/40mm ADDED & GRC APPLICABILITY CHANGE	01/2022
H IRC ADDED	11/2016
G GRC APPLICABILITY CHANGE	03/2015
F GRC AND LSC ADDED	09/2014
E RRC AMENDMENTS	09/2014

DISCLAIMER.
The authors and sponsoring organisations shall have no liability or responsibility to the user or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused, directly or indirectly, by the adoption and use of these Standard Drawings including, but not limited to, any interruption of service, loss of business or anticipatory profits, of consequential damages resulting from the use of these Standard Drawings. Persons must not rely on these Standard Drawings as the equivalent of, or a substitute for, project-specific design and assessment by an appropriately qualified professional.

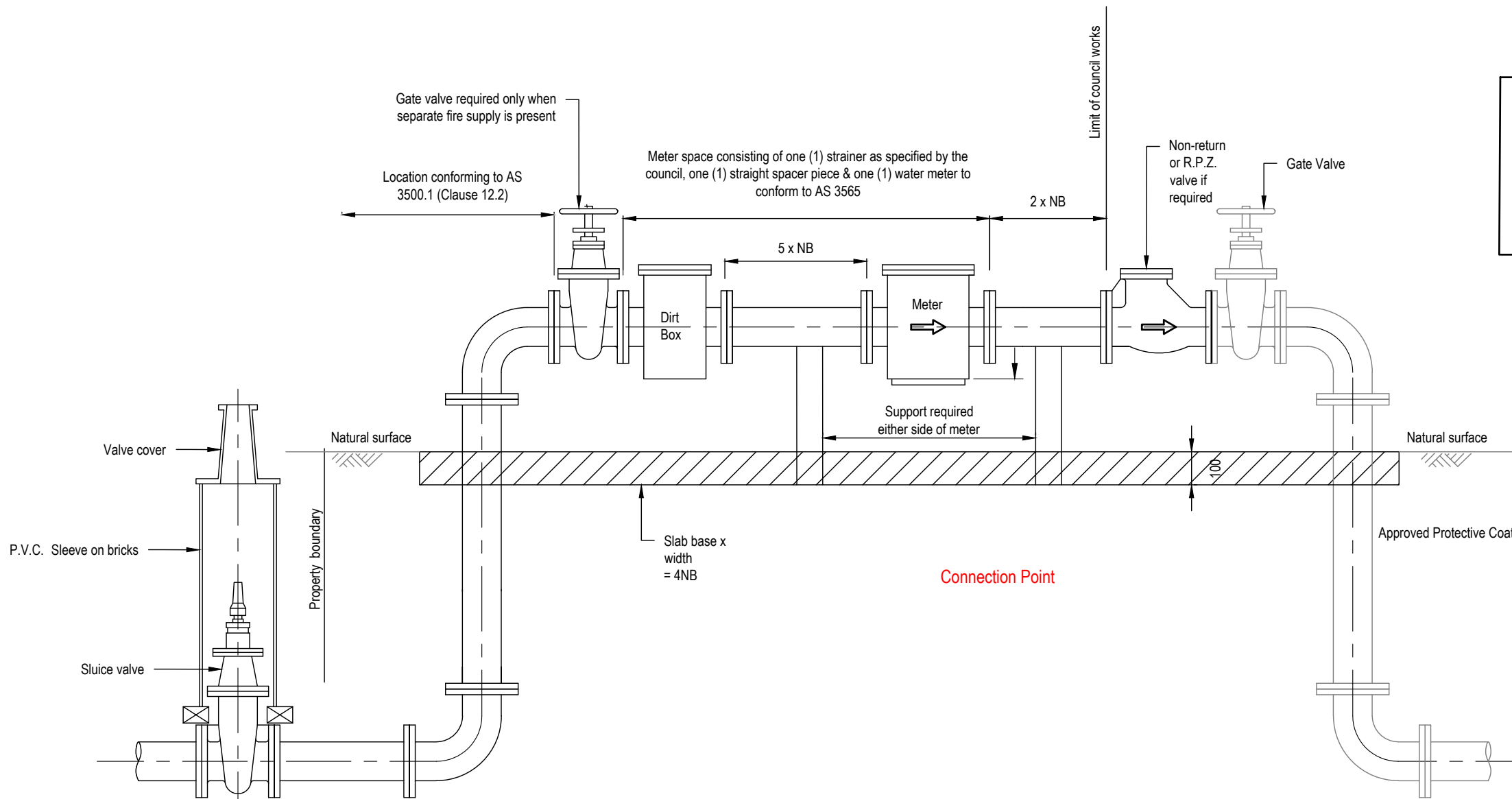
Capricorn Municipal Development Guidelines
Incorporating:
Banana Shire Council (BSC) Maranoa Regional Council (MRC)
Central Highlands Regional Council (CHRC) Rockhampton Regional Council (RRC)
Gladstone Regional Council (GRC) Isaac Regional Council (IRC)
Livingstone Shire Council (LSC)

20, 25, 32 & 40mm
WATER METER DETAILS
ABOVE GROUND

WATER	
STANDARD DRAWING	A3
CMDG-W-093	
REV.	E F G H I J



PLAN VIEW
Scale NTS



SECTION A
Scale NTS

NOTES

In accordance with AS 3500-1 Section 4 Back-Flow Prevention Device (i.e. R.P.Z. Valves) are required to be installed in high risk areas to prevent contamination of potable water supply.

High risk areas are defined in Section 4 of the Australian Standard and include industrial, commercial, agricultural, horticultural and irrigation applications.

APPLICABILITY TABLE							
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	Yes	No	No	Yes	Yes	Yes	Yes
Applicable DWG	W-094A or W-094B						

CMDG Drawing annotated to show the location of the connection point for new and existing connections of this type.

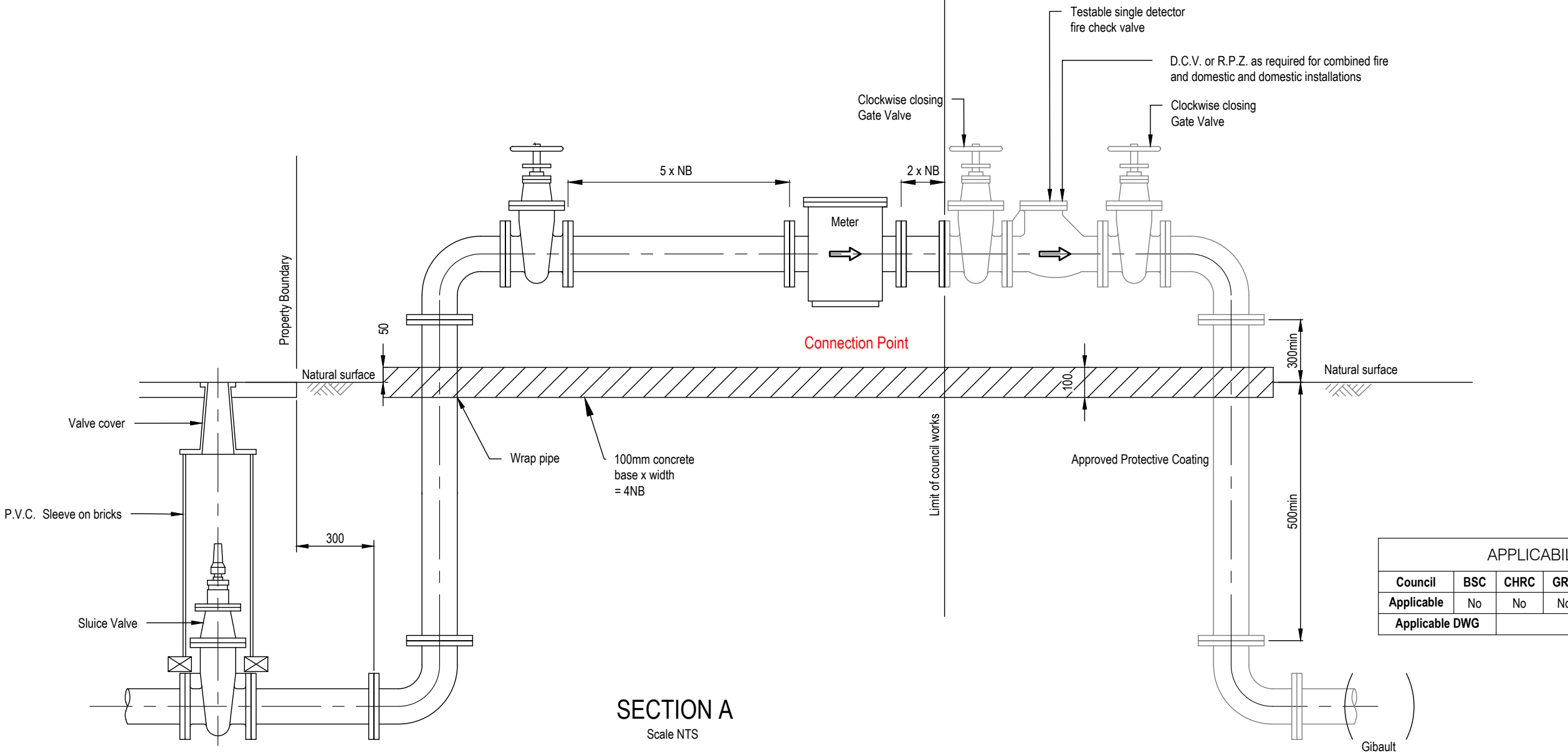
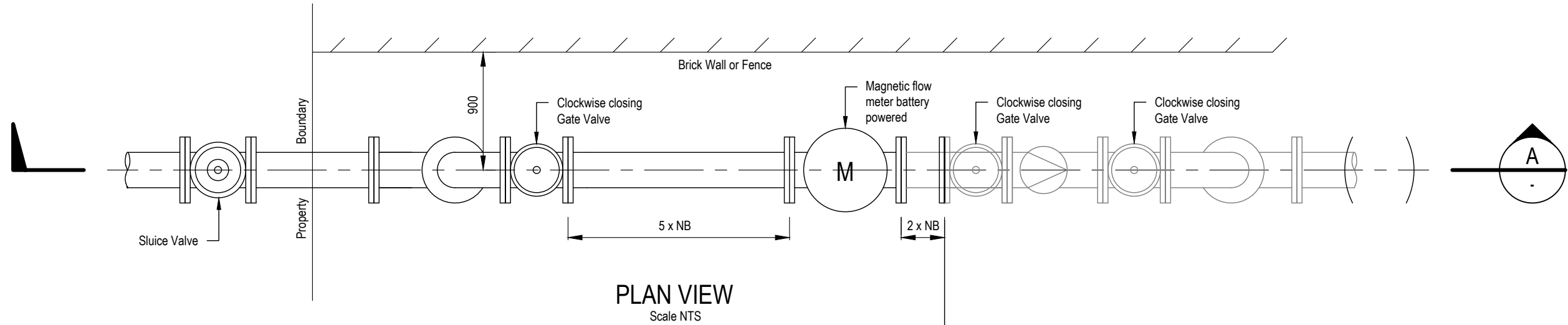
REVISIONS	DATE
H INCLUDED 50 & 80MM WM DETAILS IN TBLK	05/2022
G IRC ADDED	11/2016
F AMEND RRC APPLICABILITY	03/2015
E GRC AND LSC ADDED	09/2014
D MRC APPLICABILITY - YES	04/2013
C SLAB DETAILS INCLUDED	01/2013

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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)

**50, 80, 100, 150 & 200MM
WATER METER CONNECTIONS**

WATER	
STANDARD DRAWING	A3
CMDG-W-094	
REV.	C D E F G H



APPLICABILITY TABLE							
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	No	No	No	No	No	No	Yes
Applicable DWG	W-094 or W-094B						

REVISIONS	DATE
C	05/2022
B	11/2016
A	03/2015

DISCLAIMER.
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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)

**50, 80, 100 & 200mm
 WATER METER CONNECTIONS
 FIRE LINE ONLY**

ROADS	
STANDARD DRAWING	A3
CMDG-W-094A	
REV.	A B C

MEETING DETAILS	Water and Waste Standing Committee Wednesday 19 June 2024
AUTHOR	Karl Murdoch
AUTHOR POSITION	Manager Waste Services

5.3

AUDIT OF COMMERCIAL AND INDUSTRIAL WASTE - MORANBAH

EXECUTIVE SUMMARY

This report provides information on an audit of the composition of selected samples of commercial and industrial waste at Moranbah Waste Management Facility, carried out in October 2023.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Receives and notes the content of the report: Landfill Waste Audit Moranbah Waste Management Facility, October 2023.**

BACKGROUND

Approximately 70% – 75% of waste which is landfilled in Isaac Regional Council's landfill sites is classified as Commercial & Industrial (C&I) waste. Approximately 5% is Construction & Demolition (C&D), whilst the remaining 20% to 25% is Municipal Solid Waste (MSW). Less than 15% of the MSW is recyclables collected in the yellow top collection service – i.e. 2% to 3% of all the waste managed by Isaac Regional Council (IRC). Although a high proportion of C&D is diverted from landfill in the form of concrete, very little of the C&I waste is diverted.

Council has for some years adopted a target of 25% of waste diversion from landfill and it has proven difficult to meet this target or exceed it. The high proportion of C&I waste, largely arising from mining, is a major contributor to this.

The Waste Services budget has for several years included an amount for waste audits. The original intent of these was to ascertain the composition of domestic wheelie bin waste for several purposes, including determining amounts and types of contaminants in recycling bins, and volume of different recyclable materials found in red top bins. However, due to a variety of reasons the funds allocated over the past few years for these audits have been diverted to other priorities, including the Waste Strategy action of producing a Region-wide Landfill Plan.

During this time, Council's landfill management contractor reported increasing incidents involving large items of landfilled waste causing damage to their operational landfill machinery. This involves either long metal objects puncturing parts of the machine (fuel tank or hydraulic oil reservoir), or lengths of cable becoming tangled around driveshafts or other rotating parts, with the cables becoming embedded in bearings, necessitating expensive and time-consuming repairs.

Taking into account that the C&I waste stream potentially holds the highest proportion of recoverable waste, being the largest proportion, and the problems that “hard to handle” waste are causing, Council Officers decided to carry out the budgeted audit on this C&I waste stream.

Officers engaged the Landfill Contractor to carry out the audit using additional staff and machinery at the Moranbah Waste Management Facility during September and October 2023. The intent of the audit was to classify and quantify the nature and source of C&I received into the Moranbah landfill site, with a view to improving waste separations and management practices, reducing risk and damage to equipment.

A suitable area of the site was cordoned-off and consideration was given to risks e.g. oil spills. The audit report is attached as Attachment 1.

The main findings were:

- Waste from 21 skip bins all from local mine sites were analysed.
- About 10% of the waste sampled was recyclable
- Total Waste sampled 67.22 tonnes
- 0.86 Tonnes of recyclable concrete was separated out from the sampled waste in 2 skips
- 6.80 Tonnes of recyclable scrap metal was separated out from the sampled waste in 17 skips
- 20 litres of engine oil was found in one skip
- An unknown amount of cardboard was found in one skip but was heavily contaminated
- 0.78 tonnes of timber was recovered from 2 skips – however this material is not currently recyclable.
- 16 (76%) out of 21 skips contained Hard to Handle waste – Council records approx. 15% as Hard to Handle
- Some skips contained unauthorised materials e.g. oil, fire extinguishers, regulated waste

Up to 40% of the waste being brought to Moranbah Waste Management Facility is waste contained in skips similar to the waste analysed in this audit. If Council was able to separate out a sizeable proportion of the recyclables from this waste stream, this could easily divert an additional 1,000 tonnes from Moranbah annually. This would be sufficient for Council to exceed its current target.

The sample size is too small to be able to make a firm recommendation however officers consider that this audit was a worthwhile exercise which should be repeated in order to obtain more reliable figures and enable options to be considered by Council. It also demonstrates the quality of data which can be obtained from undertaking this work.

Clearly there are issues to be followed up with some waste producers, however Council’s capacity to carry out detailed follow up on every client is limited with current resources. Some of the findings in the audit are corroborated by other more recent observations around recent landfill fires. Officers intend to carry out more work on educating waste producers on correct waste management practices, aimed at improving environmental impacts, minimising costs to waste producers, Council and its contractor’s safety including preventing fires, and longevity of Council’s landfill cells.

IMPLICATIONS

Financial

The C&I audit cost \$60,000 to undertake. No budget has been identified specifically for further audits however, if sufficient funds become available from cost saving or additional revenue received in FY2024/25, it would be valuable to carry out further audits on both C&I and residential waste streams.

Actions arising from this audit may lead to greater percentages of waste being diverted from landfill which will extend the operational life of the landfill cells and better management of the C&I wastes received is also likely to reduce machinery damage and downtime at the landfill.

Risk

Risks are emerging around increased landfill fires due to increased prevalence of batteries.

Risks to contractors' machinery is also becoming more evident.

Ultimately this could lead to increased costs to Council in future landfill management contracts as potential contractors would seek to ameliorate risks around potential damage to machines. To realise improved waste management practices will require further collaborative work with waste producers and transporters.

Waste and Recycling

Figures from the audit suggest that improvement to recycling performance could be achieved by diverting more C&I waste from landfill.

CONSULTATION

- Director Water and Waste
- Manager Waste Services
- Landfill Management Contractor
- Waste Services Staff

BASIS FOR RECOMMENDATION

Council has carried out an audit of Commercial & Industrial Waste at Moranbah Landfill

ACTION ACCOUNTABILITY

Manager Waste Services to carry out further audits and report to Council, subject to sufficient funding.

KEY MESSAGES

Council has carried out an audit of Commercial & Industrial Waste at Moranbah Landfill which identified that 10% of Commercial & Industrial waste being sent to landfill could be recycled.

Report prepared by:	Report authorised by:
KARL MURDOCH	SCOTT CASEY
Manager Waste Services	Director Water and Waste
Date: 05 June 2024	Date: 11 June 2024

ATTACHMENTS

- CONFIDENTIAL Attachment 1 – Landfill Waste Audit Moranbah Waste Management Facility, October 2023

REFERENCE DOCUMENT

- Audit Spreadsheet

PAGES 34 - 64 HAVE INTENTIONALLY BEEN REMOVED DUE TO CONFIDENTIAL REASONS

MEETING DETAILS

Water and Waste Standing Committee

Wednesday 19 June 2024

AUTHOR

Karl Murdoch

AUTHOR POSITION

Manager Waste Services

5.4 MATERIALS RECYCLING FACILITY RECOVERY SHARE ARRANGEMENT 2024-25

EXECUTIVE SUMMARY

This report seeks endorsement of the renewed 2024-25 Recovery Share Arrangement with the operators of the Materials Recycling Facility (MRF) currently used by Isaac Regional Council for the disposal of recyclable household waste, in order to receive a share of the Container Deposit Scheme (CDS) deposits from eligible containers which are collected via Isaac Regional Council's kerbside recycling collection service.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Approves entering an agreement with Re.Cycle Operations (Mackay) Pty Ltd to enable Council to receive 50 per cent of the 10-cent refund on each qualifying container under the Container Refund Scheme for a further twelve month period.***
- 2. Authorises the Chief Executive Officer to negotiate, execute and vary the agreement as required.***

BACKGROUND

Following the passage of the *Waste Reduction and Recycling (Amendment) Act 2017*, the State Government announced a Container Refund Scheme (CRS) throughout Queensland – Containers for Change – which introduced a 10-cent deposit on various drinks containers which can be refunded to consumers when they surrender their containers for recycling via special refund points. The CRS scheme has now been in operation for two and a half years.

Recyclable waste in Council's yellow top recycling collection service includes recyclable containers which are eligible for the 10-cent refund under the Containers for Change Scheme. Council can claim part of the 10-cent refund for containers collected in the yellow top bin, but the refund can only be claimed via a share agreement with Council's Materials Recycling Facility (MRF).

The effects of the Chinese Government's National Sword Policy (China Sword) continue to have an impact on recycling in Australia, with market uncertainty continuing. Export bans of certain materials, imposed by the Council of Australian Governments (COAG) are now also having an impact. The effects on Isaac Regional Council (IRC) are becoming onerous, with the price per tonne of processing kerbside recyclables now at \$175.14 per tonne. This is a significantly lower increase (3.4% since July 2023) than in recent years however the rate has increased by more than 55% since 2019. Since the China Sword policy took effect in 2018, the rate per tonne has doubled.

Since its introduction in November 2018, the Containers for Change scheme has been popular locally, and this has been visible through a reduction in tonnage being collected by the yellow-top service each month, from an average of 80 tonnes per month just before the scheme commenced, to an average of about 59 tonnes per month in 2023-24. IRC officers' view is that this sustained 30%-plus reduction is almost entirely due to the containers being diverted from the yellow-top bins into the CRS scheme, however without costly detailed audits of bin contents it is not possible to be certain. Officers consider that the proposed expansion of the scheme to include wine and spirit bottles will lead to further reduction in the tonnage collected via the yellow top collection service.

Containers which are not redeemed by residents, and which end up being collected via the yellow-top collection service and taken to the Materials Recycling Facility (MRF) nevertheless each have a value of 10-cents which can be refunded via the CRS. The Product Responsibility Organisation (PRO) appointed by the State government to run the scheme - CoEx - has accepted that Councils and MRFs can claim the 10-cent refunds and agree on how to share the amounts.

Council has resolved each year since 2019 to enter into the CRS scheme's default arrangement which is a 50/50 share with the MRF, operated by Re.Cycle Operations (Mackay) Pty Ltd. Several other options have been considered over the years however officers consider that the 50/50 option continues to represent the optimum balance between potential CRS revenue and risk of increased processing costs.

Council received payment amounting to (\$32,143) for the 2022-23 Financial Year against a budget of (\$41,000). There is a long delay between the recyclables being delivered to the MRF and receipt of the share amounts and only (\$6,000) has been received so far for 2023-24. Officers are confident that the reducing revenue reflects the reduced tonnage and the reduced usage of the yellow-top collection service since the introduction of the scheme. Officers consider however that the prudent option would be to continue with the current 50/50 arrangement for a further 12 months.

IMPLICATIONS

Financial

Not entering into the recovery share arrangement could result in a net reduction in revenue to Council which has been built-in to officers' proposed budgets for Council's consideration for FY2024-25.

Council is only able to obtain the 50% share via this type of agreement. Failure to negotiate an agreement of any kind with the MRF would result in loss of this revenue opportunity by both Council and the MRF. In such a case, the CRS deposit amounts would remain with CoEx in full.

If Council opted in the future to use a different MRF, the proposed share mechanism would automatically cease, and a new arrangement would have to be negotiated with the new MRF provider.

Risk

Risk number WW0042 has been identified within Council's Enterprise Risk Register. Among other causes which could bring this risk into fruition is "*Service already impacted following the introduction of the Container Refund Scheme (20% reduction in tonnage)*".

Impacts / consequences which have been identified are:

- Overspend on Budget. Potential need to seek alternative MRF.
- Potential for need to review collection system/frequency.

- Service disruption. Potential negative reputational impact.
- Potential contractual claim from collection contractor.

Officers have highlighted this risk through monthly reporting of performance indicators for Waste Services. Council's ability to achieve the 25% diversion target under Corporate Plan EN3 continues to be challenging. Part of the risk is that the Containers for Change scheme becomes so successful that the tonnage collected in the yellow-top bin service drops to a level that makes the collection service unsustainable in its current form. Officers' most recent review (May 2024) of the Risk Register estimates the likelihood of this occurring is possible, with a consequence level of moderate, making an overall residual risk rating of medium 9. Officers will continue to monitor and assess this situation.

Waste and Recycling

Figures since the introduction of the CRS, now show a more significant impact on the yellow-bin tonnage than reported in previous years. Monthly tonnage has reduced to about 59 tonnes per month, compared to 80 tonnes per month pre-CRS.

CONSULTATION

- Director Water and Waste
- Manager Waste Services
- Manager Financial Services
- Manager Governance and Corporate Services

BASIS FOR RECOMMENDATION

Council's failure to negotiate an agreement of any kind with the MRF would result in loss of this revenue opportunity by Council.

ACTION ACCOUNTABILITY

Manager Waste Services to ensure that payments are made correctly for correct volume of containers.

KEY MESSAGES

Signing up to this agreement will ensure that Council continues to receive a 50% share of the value of the qualifying containers collected via the yellow-top recycling collection service.

Report prepared by: KARL MURDOCH Manager Waste Services Date: 31 May 2024	Report authorised by: SCOTT CASEY Director Water and Waste Date: 5 June 2024
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ATTACHMENTS

- CONFIDENTIAL Attachment 1 – Draft Recovery Sharing Arrangement Agreement 2024-25

REFERENCE DOCUMENT

- Enterprise Risk Register
- Isaac Waste Management Strategy 2020-2025

PAGES 69 - 71 HAVE INTENTIONALLY BEEN REMOVED DUE TO CONFIDENTIAL REASONS

MEETING DETAILS	Water and Waste Standing Committee Wednesday 19 June 2024
AUTHOR	Scott Casey
AUTHOR POSITION	Director Water and Waste

6.1 WATER AND WASTE INFORMATION BULLETIN – JUNE 2024

EXECUTIVE SUMMARY

The Water and Waste Directorate Information Bulletin for June 2024 is provided for Committee review.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Notes the Water and Waste Directorate Information Bulletin for June 2024.**

BACKGROUND

The attached Information Bulletin for June 2024 provides an operational update for Committee review on the Water and Waste Directorate.

IMPLICATIONS

Any specific implications or risks will be outlined in the Information Bulletin

CONSULTATION

Water and Waste Directorate Managers and Staff.

BASIS FOR RECOMMENDATION

This is an information only report.

ACTION ACCOUNTABILITY

Information only report.

KEY MESSAGES

Operational update to the Elected Members.

<p>Report prepared by: SCOTT CASEY Director Water and Waste Date: 5 June 2024</p>

ATTACHMENTS

- CONFIDENTIAL Attachment 1 – Water and Waste Information Bulletin – June 2024

REFERENCE DOCUMENT

- Nil

PAGES 74 - 86 HAVE INTENTIONALLY BEEN REMOVED DUE TO CONFIDENTIAL REASONS