BUSINESS PAPER

Works Committee Meeting

Council Chambers 19 February 2024

5.30pm

BROKEN HILL

MEMBERS OF THE WORKS COMMITTEE

Mayor Kennedy, Councillor Boland (Chairperson) Councillor Algate, Councillor Chandler and Councillor Page

Notice is hereby given, in accordance with the provisions of the *Local Government Act 1993*, that the Works Committee of the Broken Hill City Council will be held in the Council Chambers on **Monday 19 February 2024** commencing at **5:30pm** to consider the following business:

| AG | ENDA |
|----|---|
| 1 | Opening the Meeting |
| 2 | Apologies |
| 3 | Leave of Absence Applications |
| 4 | Prayer |
| 5 | Acknowledgement of Country |
| 6 | Acknowledgement of Broken Hill's Mining History |
| 7 | Minutes for Confirmation |
| 8 | Disclosure of Interest |
| 9 | Reports |
| 10 | Confidential Matters |
| 11 | Conclusion of the Meeting |

STATEMENT OF ETHICAL OBLIGATIONS

All Councillors undertook an Oath or Affirmation at the beginning of their term of office and declared to undertake the duties of the office of Councillor in the best interests of the people of the Broken Hill Local Government Area and the City of Broken Hill; and that they will faithfully and impartially carry out the functions, powers, authorities and discretions vested in them under the *Local Government Act 1993* or any other Act to the best of their ability and judgment.

LIVE STREAMING OF COUNCIL MEETINGS

This Council meeting is being streamed live, recorded, and broadcast online via Facebook. To those present in the gallery today, by attending or participating in this public meeting you are consenting to your image, voice and comments being recorded and published. The Mayor and/or General Manager have the authority to pause or terminate the stream if comments or debate are considered defamatory or otherwise inappropriate for publishing. Attendees are advised that they may be subject to legal action if they engage in unlawful behaviour or commentary.

JAY NANKIVELL GENERAL MANAGER

MINUTES FOR CONFIRMATION

Minutes of the Works Committee of the City of Broken Hill held Monday, December 11, 2023.

MINUTES OF THE WORKS COMMITTEE MEETING HELD MONDAY, DECEMBER 11, 2023 (5.30PM)

PRESENT: Councillor T Kennedy (Mayor) Councillors B Algate, M Boland (Chairperson) A Chandler and R Page.

General Manager, Director Corporate and Community, Director Finance and Commercial, Director Infrastructure and Environment, Executive Officer and Executive Assistant.

Media (nil), Members of the Public (nil)

APOLOGIES: Nil

LEAVE OF ABSENCE APPLICATIONS: Nil

PRAYER

Mayor Kennedy delivered the Prayer.

ACKNOWLEDGEMENT OF COUNTRY

Councillor Chandler delivered the Acknowledgement of Country.

ACKNOWLEDGEMENT OF BROKEN HILL'S MINING HISTORY

Councillor Algate delivered the Acknowledgement of Broken Hill's Mining History.

MINUTES FOR CONFIRMATION

Recommendation

Moved Mayor Tom Kennedy, Seconded Councillor Alan Chandler that the Minutes of the Works Committee meeting held Monday November 20, 2023 be confirmed.

CARRIED UNANIMOUSLY

DISCLOSURE OF INTEREST Nil.

REPORTS

1. <u>BROKEN HILL CITY COUNCIL REPORT NO. 238/23 - DATED DECEMBER 01.</u> <u>2023 - BUDGET REVIEW - GROUND FLOOR REFURBISHMENT FOR THE</u> <u>TEMPORARY LIBRARY</u> D23/65661

Recommendation

Moved Councillor Bob Algate, Seconded Councillor Alan Chandler

- 1. That Broken Hill City Council Report No. 238/23 dated December 1, 2023, be received.
- 2. That Council review the budget report which reflects original contracts, approved variations, and expected variations for each component of the Temporary Library Budget (Ground Floor Refurbishment, Logistics and Staff Movements, Car Park Upgrades, and New Library Construction).
- 3. That Council approve an additional amount of \$239,618.10 (ex GST) which equals a revised total budget of \$1,039,618.10 (ex GST) to complete the project works required.

CARRIED UNANIMOUSLY

2. <u>BROKEN HILL CITY COUNCIL REPORT NO. 239/23 - DATED DECEMBER 04,</u> 2023 - BUDGET REVIEW: CBD BANNER POLES - ARGENT STREET LIGHTING PROJECT D23/66077

Recommendation

Moved Councillor Bob Algate, Seconded Councillor Alan Chandler

- 1. That Broken Hill City Council Report No. 239/23 dated December 4, 2023, be received.
- 2. That Council considers a budget review for the CBD Banner Poles Argent Street Lighting Project, for the project approved in the 2024/25 financial year, based on responses received from a public request for quotation in November 2023
- 3. That Council approve an increase in budget of \$41,820 (ex GST) to bring the total project budget for this project to \$94,835 (ex GST).

CARRIED UNANIMOUSLY

3. <u>BROKEN HILL CITY COUNCIL REPORT NO. 240/23 - DATED DECEMBER 01,</u> 2023 - <u>MINUTES OF THE PROJECT CONSULTATIVE GROUP PROJECT</u> <u>STEERING GROUP MEETING HELD 8 NOVEMBER 2023</u> D23/65635

Recommendation

Moved Councillor Bob Algate, Seconded Councillor Alan Chandler

- 1. That Broken Hill City Council Report No. 240/23 dated December 1, 2023, be received.
- 2. That the minutes of the Project Consultative Group Project Steering Group from 8 November 2023 be noted.
- 3. That the PowerPoint Presentation of the Project Consultative Group Project Steering Group from 8 November 2023 be noted.

CARRIED UNANIMOUSLY

4. <u>BROKEN HILL CITY COUNCIL REPORT NO. 241/23 - DATED NOVEMBER 24,</u> 2023 - MINUTES OF THE E.T. LAMB MEMORIAL OVAL COMMUNITY COMMITTEE ANNUAL GENERAL MEETING HELD 11 OCTOBER 2023 D23/64220

Recommendation

Moved Mayor Tom Kennedy, Seconded Councillor Bob Algate

- 1. That Broken Hill City Council Report No. 241/23 dated November 24, 2023, be received.
- 2. That the minutes of the E.T. Lamb Memorial Oval Community Committee Annual General Meeting held 11 October 2023 be received.

CARRIED UNANIMOUSLY

CONFIDENTIAL MATTERS Nil

CONCLUSION OF THE MEETING

There being no further business to consider, the meeting was declared closed at 5:42pm.

The foregoing minutes were read and confirmed at the Works Committee meeting held on 19 February 2024.

Chairperson

REPORTS

| 1. | BROKEN HILL CITY COUNCIL REPORT NO. 14/24 - DATED FEBRUARY 09, |
|----|--|
| | 2024 - CORRESPONDENCE REPORT - SEALING OF THE WILANGEE ROAD |
| | FOR THE MUNDI MUNDI BASH (D24/7417)8 |

| 2. | BROKEN HILL CITY COUNCIL REPORT NO. 15/24 - DATED FEBRUARY 01, |
|----|--|
| | 2024 - DRAFT REVISED WASTE SERVICES POLICY FOR PUBLIC EXHIBITION |
| | <u>(D24/5210)</u> |

| 3. | BROKEN HILL CITY COUNCIL REPORT NO. 16/24 - DATED FEBRUARY 07, | |
|----|--|----|
| | 2024 - BUDGET REQUEST - QUARTER 2 - AIRPORT FIRE SYSTEM PIPE | |
| | REPLACEMENT & HYDRANTS PROJECT (D24/6900)2 | 21 |

| 4. | BROKEN HILL CITY COUNCIL REPORT NO. 17/24 - DATED FEBRUARY 0 | 1, |
|----|--|--------|
| | 2024 - REQUEST FOR FINANCIAL ASSISTANCE TOWARDS THE 2024 WA | ASTE 2 |
| | ART PROGRAM AND COMPETITION (D24/5325) | 38 |

WORKS COMMITTEE

February 9, 2024

ITEM 1

BROKEN HILL CITY COUNCIL REPORT NO. 14/24

CORRESPONDENCE REPORT - SEALING OF THE WILANGEE SUBJECT: ROAD FOR THE MUNDI MUNDI BASH D24/7417

Recommendation

- 1. That Broken Hill City Council Report No. 14/24 dated February 9, 2024, be received.
- 2. That reply correspondence from the Minister for Regional Transport and Roads, the Hon Jenny Aitchison MP, regarding the sealing of the Wilangee Road for the Mundi Mundi Bash be received and noted.
- 3. That reply correspondence from the Member for Barwon, Mr Roy Butler MP, regarding the sealing of the Wilangee Road for the Mundi Mundi Bash be received and noted.

Executive Summary:

Council at its meeting held 30 August 2023, considered a verbal Mayoral Minute regarding the sealing of the Wilangee Road between Umberumberka turn-off and the Mundi Mundi Bash site and resolved as follows:

ITEM 1 – VERBAL MAYORAL MINUTE - MUNDI MUNDI BASH (MM15/23)

21/68

Mayor Tom Kennedy raised a verbal Mayoral Minute regarding Council providing advocacy support for the Mundi Mundi Bash music festival.

| RESOLUTION | | Resolved |
|--|--------|---|
| <u>Minute No. 47291</u> Mayor T Kennedy moved Deputy Mayor J Hickey seconded |)) | That Council provides added the Outback Music Festiv (organisers of the Mundi I sealing of the Wilangee R Umberumberka turn-off a Bash site: and that Council |

vocacy support to al Group Mundi Bash) for the Road between and the Mundi Mundi Bash site; and that Council sends correspondence to the Local Member, NSW Premier The Hon Chris Minns MP and the appropriate Minister.

CARRIED UNANIMOUSLY

As per the Council resolution Mayoral correspondence was sent to the NSW Minister for Roads. the Hon John Graham. The Member for Barwon, Mr Roy Butler MP and the NSW Premier The Hon Chris Minns MP.

Council has received a reply from the Minister for Regional Transport and Road, the Hon Jenny Aitchison MP and the Member for Barwon, Mr Roy Butler MP, and the reply correspondence is attached to this report.

A response from the NSW Premier has not yet been received.

Attachments

- 1. Correspondence Report Sealing of the Wilangee Road for the Mundi Mundi Bash -
- <u>I</u> Minister for Regional Transport and Roads
- 2. Correspondence Report Sealing of the Wilangee Road Member for Barwon
- Û

LEISA BARTLETT EXECUTIVE OFFICER

JAY NANKIVELL GENERAL MANAGER

Attachment 1 Correspondence Report - Sealing of the Wilangee Road for the Mundi Mundi Rash - Minister for Regional

The Hon Jenny Aitchison MP Minister for Regional Transport and Roads



Ref: 01918612

Councillor Tom Kennedy Mayor Broken Hill City Council PO Box 448 Broken Hill NSW 2880

Dear Tom,

Thank you for your correspondence to the Minister for Roads about a request to seal a stretch of Wilangee Road. Your correspondence was referred to me as it falls within my portfolio responsibilities as Minister for Regional Transport and Roads.

I am glad to hear the Broken Hill Mundi Mundi Bash is growing in popularity and iconic country events like this are continuing to thrive.

I am advised by Transport for NSW it has done significant work on Silverton Road to increase the width of the road and reliability of the floodways. It graded the road from Umberumberka Dam to beyond the event entrance and graded an access track for Silverton residents. It also replaced the failed culvert to maintain road safety, before this year's Mundi Mundi Bash.

As you may appreciate, the NSW Government maintains up to 3,700kms of State and Local roads within the Unincorporated Area of the Far West with limited funding and resources. Sealing State and Regional roads is a priority, as this provides the greatest social and economic benefit for NSW people who use this network for tourism, freight and daily travel. This ensures year-round access to the Far West of NSW.

I am advised by Transport for NSW that while there are no financial grant opportunities to seal Wilangee Road at this time, it will monitor future funding options. For further support, I asked Transport for NSW to refer your concerns to the Minister for Regional and Western NSW and the Minister for Tourism.

52 Martin Place Sydney NSW 2000 GPO Box 5341 Sydney NSW 2001 02 7225 6060 nsw.gov.au/ministers - 2 -

Thank you for taking the time to write. I genuinely appreciate the effort you have made to raise this matter with the NSW Government.

Yours sincerely,

02/02/2024

The Hon Jenny Aitchison MP Minister for Regional Transport and Roads

52 Martin Place Sydney NSW 2000 GPO Box 5341 Sydney NSW 2001 02 7225 6060 nsw.gov.au/ministers

CORRESPONDENCE REPORT - SEALING OF THE WILANGEE ROAD FOR THE MUNDI MUNDI BASH

Attachment 2 Correspondence Report - Sealing of the Wilangee Road - Member for



ROY BUTLER MP INDEPENDENT MEMBER FOR BARWON

REF: RB5812

05 December 2023

Mr Thomas Kennedy Mayor Broken Hill City Council 384 Oxide Street BROKEN HILL 2880

Dear Mayor,

Thank you for contacting the Office of Roy Butler MP to raise your concerns regarding a section of the Wilangee road from the Umberumberka Reservoir to the Mundi Mundi Bash entry road that has been identified as a risk to road users.

My office previously raised this issue with the Minister for Regional Transport and Roads the Hon Jennifer Aitchison in August 2023, we are still awaiting a response.

The Mundi Mundi Bash attracts concert goers from across the country and is vital for tourism and economic development for the whole of Far West New South Wales. I am advised that the next Mundi Mundi Bash is scheduled for 15th - 19th August 2024. As a matter of urgency and to ensure that works are complete in time, I have asked that the Minister investigate the works required and provide funding for the sealing of the 2km Stretch of Wilangee road and the spillway and by-wash repairs. I have provided the Minister with a list of 10 priority road works for Barwon and included this stretch of road.

Thank you once again for taking the time to contact my office. Once a response from the Minister is received my office will be in touch.

Yours sincerely,

Roy Butler MP Member for Barwon

S barwon@parliament.nsw.gov.au

BROKEN HILL OFFICE P 08 8087 3315 1/142 Argent Street

COBAR OFFICE P 02 6836 3722 11 BARTON STREET NARRABRI OFFICE P 02 6792 1422 1/60 Maitland Street

WORKS COMMITTEE

February 1, 2024

ITEM 2

BROKEN HILL CITY COUNCIL REPORT NO. 15/24

SUBJECT: DRAFT REVISED WASTE SERVICES POLICY FOR PUBLIC EXHIBITION D24/5210

Recommendation

- 1. That Broken Hill City Council Report No. 15/24 dated February 1, 2024, be received.
- 2. That That Council endorse the draft revised Waste Services Policy for the purpose of public exhibition.
- 3. That the draft revised Waste Services Policy be placed on public exhibition for a period of 28 days for public comment.
- 4. That, at the conclusion of the public exhibition period, a report be presented to Council detailing submissions received and any recommended amendments arising, with a view to adopting the draft revised Waste Services Policy; and if adopted, the 2015 Waste Services Policy will be rendered obsolete.

Executive Summary:

Council's 2015 Waste Services Policy has been reviewed as part of Council's organisation wide review of its Policy Register. The review identified that amendments were required to the Waste Services Policy which are outlined in the report below.

The draft revised Waste Services Policy is now presented to Council to endorse for the purpose of public exhibition.

Report:

Council's Executive Leadership Team has commenced a review of Council's Policy Register to ensure strategic policies comply with current legislation and align with the Office of Local Government's (OLG) model codes, guidelines and best practice for Local Government and reflect any changes in technology or service delivery. The review was also used to highlight any gaps where Council may not have a policy in place to comply with current legislation.

The objective of the Waste Services Policy is to define the conditions and to provide for the setting of fees for the collection and disposal of residential waste and commercial waste which originate in the Broken Hill local government area. The policy governs the way in which Council provides a regular and efficient household waste collection and disposal service and commercial waste service options to meet both the needs of residents and the business community of Broken Hill in a cost-effective manner.

The 2015 Waste Services Policy was reviewed and amendments have been made to reflect Council's current organisational structure; the way in which the waste service fees are set by Council each year; and to update the reference list of Legislation to which this policy relates.

| Section | Туре | Amendment Details | | |
|---------------------|-----------------|---|--|--|
| Quality Control | Position | Responsible person – title updated to reflect | | |
| | Update | current position in structure | | |
| 4.9 (c) - General | Additional | Added wording 'in its fees and charges' | | |
| Requirements | wording | | | |
| 5.1 - Roles and | Position | Position titles updated to reflect current | | |
| Responsibilities | Updates | structure. | | |
| 6 - Review | Position | title updated to reflect current position in | | |
| | Update | structure | | |
| 7 – Legislative and | Additional Acts | Added appropriate acts and regulations | | |
| Legal Framework | and | Protection of the Environment | | |
| | Regulations | Operations Act 1997 | | |
| | | Protection of the Environment | | |
| | | Operations (waste) Reg 2014 | | |
| | | Broken Hill Waste & Recovery Strategy | | |
| | | 2010-2030 | | |

The amendments to the Policy are:

The draft revised Waste Services Policy is presented to Council for endorsement for the purpose of public exhibition. The draft Policy will be placed on public exhibition for a period of 28 days during which time Council will accept submissions from the public.

Following the public exhibition period, a further report will be presented to Council detailing submissions received and whether any resultant amendments were made to the draft Policy, with a view to adopting the Policy. If Council adopts the draft revised Waste Services Policy, the 2015 Waste Services Policy will be rendered obsolete and removed from Council's Policy Register.

Community Engagement:

The draft revised Waste Services Policy will be placed on public exhibition as per the *Local Government Act 1993, Section 335(d).*

Strategic Direction:

| Key Direction: | 4 | Our Leadership |
|----------------|-------|--|
| Objective: | 4.1 | Openness and transparency in decision making |
| Strategy: | 4.1.5 | Support the organisation to operate within its legal framework |

Relevant Legislation:

Local Government Act 1993, Section 335(d) Waste Avoidance and Resource Recovery Act 2001 No. 58 Protection of the Environment Operations Act 1997 No. 156 Protection of the Environment Operations (Waste) Regulation 2014 Broken Hill Integrated Waste and Recycling Strategy 2010-2030

Financial Implications:

Nil

Attachments

1. J Draft Waste Services Policy

CODIE HOWARD DIRECTOR INFRASTRUCTURE AND ENVIRONMENT

JAY NANKIVELL GENERAL MANAGER



DRAFT WASTE SERVICES POLICY

| QUALITY CONTROL | | | | | |
|-----------------------------|--|--|--|--|--|
| EDRMS REFERENCES | 12/114 – D12/11959 | | | | |
| RESPONSIBLE POSITION | DN Director Infrastructure and Environment | | | | |
| APPROVED BY | Council | | | | |
| REVIEW DATE | February 2026 REVISION NUMBER 3 | | | | |
| EFFECTIVE DATE | ACTION MINUTE NUMBER | | | | |
| June 29, 2005 | Adopted 41267 | | | | |
| August 26, 2015 | Public Exhibition 45044 | | | | |
| October 28, 2015 | Adopted 45100 | | | | |

1. INTRODUCTION

The purpose of this policy is to define conditions and to provide for the setting of fees for the collection and disposal of waste and commercial wastes which originate in the Broken Hill local government area.

2. POLICY OBJECTIVE

The purpose of this policy is to:

- a) Provide a regular and efficient household waste collection and disposal service to meet the needs of the Broken Hill Community in a cost-effective manner.
- b) Provide a range of commercial waste service options to meet the needs of the business community of Broken Hill.

3. POLICY SCOPE

This policy defines conditions and provides for the setting of fees for the collection and disposal of waste services which originate in the Broken Hill local government area.

4. POLICY STATEMENT

4.1. Domestic Waste Services

- a) A domestic waste service consists of one mobile garbage bin (MGB). Single dwellings can also elect to have a fortnightly organic (green waste).
- b) A domestic waste service charge shall be paid for each separate residential unit.
- c) A domestic waste service charge shall be an annual charge and shall be paid if the residential unit is occupied for any period during the rating year.
- d) There shall be no reduction in charges for non-use periods except:
 - i. where the unit is unoccupied for the whole of the rating year.

Draft Waste Services Policy

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- ii. where the residential unit is completed and occupied during the year for the first time, in which case a pro rata charge shall be applied.
- iii. where the residential unit is permanently unoccupied, a pro-rata charge shall be applied.

4.2. Disabled Waste Services

- a) This service is available where all adult persons normally resident, have a physical disability, which precludes them from placing the mobile garbage bin kerbside. This service is in lieu of a Domestic Waste Service.
- b) Application shall be made annually to continue this service.

4.3. Organics Collection Bins

- a) Organics Waste Bins (green waste) are available to single dwellings for the recycling of household garden waste.
- b) This service is collected fortnightly from the kerbside.
- c) This service attracts no charge; however, a bin supply fee applies as prescribed in the fees and charges.

4.4. Additional Services for Households

Additional Domestic Waste services are available to households that require more than one service. Each additional service will attract the annual charge as prescribed in the 'fees and charges.

4.5. Collection and Storage of MGBs

- a) Council will provide a regular service to collect domestic waste contained in the MGB supplied by Council.
- b) The MGBs are assigned to the property and are not to be removed from the property upon sale of a property or change in tenancy.
- c) MGBs should be placed out for collection no later than 6am on collection day. MGB's should be presented away from parked cars, trees, and poles to increase collection efficiency.
- d) MGBs should be removed from the kerb, or collection location as soon as possible after collection and stored within the property boundary in a secure place, to avoid vandalism, and theft.

4.6. Commercial Waste Service

- a) A commercial waste service charge shall be paid for each separate commercial unit.
- b) A commercial waste service charge shall be an annual charge and shall be paid if the commercial unit is occupied for any period during the rating year.

4.6.1. Permissible reduction in Commercial Waste Charges

- a) There shall be no reduction in the commercial waste service charge for non-use periods except:
 - i. Where the unit is unoccupied for the whole of the rating year; or
 - ii. where a new commercial or industrial unit is completed and occupied for the first time, in which case a pro rata charge shall be applied; or
 - iii. where a business is receiving an adequate Council dumper bin service either separately or collectively with other units in the same complex for the whole of the year.

Draft Waste Services Policy

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- iv. Where a new or additional commercial service is applied for, in which case a pro rata charge shall be applied.
- b) Where a complex generates only a small amount of waste, such as an office building with multiple tenancies, Council may exempt the payment of a commercial waste service charge by each separate tenancy and may assess the number of commercial services required for the whole complex.
- c) Where a residential premises incorporates a registered business on the same allotment, a domestic waste service will be charged provided the categorisation for rating purposes is residential, and the residential usage is the dominant use, otherwise a commercial waste charge is applicable.

4.6.2. Assessment of Commercial Waste Services

Where a business which generates large quantities of waste does not have an adequate trade waste bin service, the number of commercial waste services required by that business shall be assessed by Council in accordance with the amount of waste generated by the business.

4.7. Trade Waste Bin Services

- a) A trade waste bin service shall be provided by Council on request, subject to the completion of a Trade Waste Agreement. Commercial and industrial premises will be encouraged to use this service where the normal commercial waste service appears to be inappropriate.
- b) Industrial bins used for this service may be privately owned or leased from Council.
- c) Under special circumstances Mobile Garbage Bins can be hired under a Trade Waste Agreement following assessment by Council. Mobile Garbage Bins are charged at a collection fee per bin.

4.8. Additional Waste Services – Temporary Hire

- a) Council provides temporary hire bins for occasions where additional waste is generated in households and/or events.
- b) Trade waste bins are available for hire at weekly or monthly rates as prescribed in the 'Fees and Charges'.
- c) Hire for Special events includes a range of trade waste and mobile garbage bins, Council will assess the requirements of the event. Rates for these events are prescribed in the 'Fees and Charges'.
- d) Hirers are responsible for all waste bins whilst leased under the short-term arrangements.
- e) Cleaning Fees apply to waste bins following short term hire as prescribed in the 'Fees and Charges'.

4.9. General Requirements

- a) The discontinuation of any waste service charge for unoccupied premises shall only occur from the date of receipt of notification.
- b) Mobile waste bins for domestic and commercial waste services shall be provided by Council and shall remain the property of Council.
- c) Replacement mobile waste bins will be charged at a fee determined by Council each year in its fees and charges. Fees will not be applicable to replacement bins that have deteriorated by normal wear and tear.
- d) The annual waste charges for residential, commercial and trade waste services shall be set by Council each year in its fees and charges.

Draft Waste Services Policy

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e) Any application for a reduction in waste charges in accordance with this policy shall be made in writing to the General Manager and be accompanied by the necessary support documentation.

5. IMPLEMENTATION

5.1. Roles and Responsibilities

The following Council officers are responsible for the implementation and the adherence to this policy:

- Director Infrastructure and Environment/Waste and Sustainability Manager Implementing actions under this policy.
- Waste Coordinator Implementing actions under this policy.
- **Communications Staff** Providing information to the community regarding waste services addressed in this policy.
- **Customer Service Staff** Providing information to the community regarding waste services addressed in this policy.
- **Finance** Implementation of annual fees for domestic and commercial services and invoicing trade waste fees and charges.

5.2. Communication

This Policy will be communicated to the community and staff in accordance with Council's Policy, Procedure and Process Framework and Council's Business Paper process. Following adoption by Council the Policy will be made available on Council's website.

5.3. Associated Documents

The following documentation is to be read in conjunction with this policy.

- Schedule of Fees and Charges
- Trade Waste Agreements

6. REVIEW

Review of this policy will incorporate relevant legislation, documentation released from relevant state agencies and best practice guidelines.

The standard review period will be every two years from the effective date. The responsible Council officer will be notified of the review requirements three (3) months prior to the expiry of this policy.

The Director Infrastructure and Environment is responsible for the review of this policy.

7. LEGISLATIVE AND LEGAL FRAMEWORK

This policy is to be read in conjunction with the following:

- Local Government Act 1993 (NSW)
- Waste Avoidance and Resource Recovery Act 2001, No.58
- Protection of the Environment Operations Act 1997, No.156
- Protection of the Environment Operations (Waste) Regulation 2014
- Broken Hill Integrated Waste and Recycling Strategy 2010-2030

Draft Waste Services Policy

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Council employees shall refrain from personal activities that would conflict with proper execution and management of Council's Waste Services Policy. Council's Code of Conduct provides guidance for recognising and disclosing any conflicts of interest.

8. DEFINITIONS

Commercial or Industrial Unit – shall mean a single unit which may be on a separate parcel of land or may be part of a multi-unit complex and includes a shop, factory, motel, hotel, caravan park, garage, service station, workshop, warehouse or other commercial or industrial premises which is being used as one individual business.

Commercial Waste Service – shall mean a weekly waste collection service for a commercial or industrial unit and one service comprises up to three mobile garbage bins or one 600 litre bin.

Domestic Waste Service – shall mean a weekly waste collection service for a residential unit and comprises one mobile waste bin. Single dwellings can also elect to have a fortnightly organics (green waste) collection subject to availability.

Disabled Collection Service – shall mean a weekly collection service for a residential unit, where Council collects the bin from the premises instead of the kerbside and comprises of one yellow lidded mobile garbage bin.

Organics Collection Service – shall mean a fortnightly collection service for a residential unit and comprises of one organics bin. This service is a free service and is subject to availability of bins.

Trade Waste Bin Service – shall mean a waste collection service with a capacity in excess of 1.5 cubic metres and comprises at least one dumper bin.

Residential Unit – shall mean a single dwelling, a flat unit in a residential flat building, a unit in a duplex residential building, a residential unit incorporated in a factory, shop or other commercial or industrial building but does not include a caravan in a caravan park.

Draft Waste Services Policy

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WORKS COMMITTEE

February 7, 2024

ITEM 3

BROKEN HILL CITY COUNCIL REPORT NO. 16/24

SUBJECT:BUDGET REQUEST - QUARTER 2 - AIRPORT FIRE SYSTEMPIPE REPLACEMENT & HYDRANTS PROJECTD24/6900

Recommendation

- 1. That Broken Hill City Council Report No. 16/24 dated February 7, 2024, be received.
- 2. That Council considers a budget allocation for an Airport Fire System Pipe Replacement and Hydrants Project under Quarter 2, financial year 2023/24 due to the current system approaching the end of its operable lifecycle.
- 3. That Council approve a total budget for this project at \$1,214,394 (ex GST) with \$264,394 (ex GST) allocated for financial year 2023/24 and \$950,000 (ex GST) allocated for financial year 2024/25.

Executive Summary:

The Broken Hill Airport is a critical facility owned by council for the ongoing liveability, accessibility and serviceability of the greater region Council operates daily aviation services to Adelaide, Dubbo, and Sydney as well as being a major base for the Royal Flying Doctor.

As per previous Council reports, in 2022/23, the Airport's fire pump systems were replaced with new diesel pumps to comply with current codes and regulations. The fire system at the airport is still not fully compliant due to the presence of asbestos cement (A/C) pipes in the underground hydrant service system. This has been noted during the works carried out in 2022/23 that there is a need for replacement piping that can provide compliant hydrant pressure boosted to the requirements of the Australian standard compliance.

GHD Pty Ltd was engaged in 2023 as the principal design consultant to prepare and design documentation on the A/C fire piping system and the hydrant standpipes. A cost report was also prepared by GHD Pty Ltd through a quantity surveying firm Vasey Consulting.

This report has been prepared for Council to consider a budget allocation for the project at \$1,214,394 (ex GST) with \$264,394 (ex GST) allocated for financial year 2023/24 and \$950,000 (ex GST) allocated for financial year 2024/25.

The works are estimated to be completed over a 12-month period concurrently with the current airside construction project.

Report:

Background

In November 2023, the new fire pumps were adjusted to supply 1050 Kpa of water at the pumps that provided 900 Kpa of water pressure to the furthest hydrant on the system. This is a minimum requirement under the Australian Standards for minimum fire system pressures.

The existing A/C fire services pipes were installed in the 1980s with approximately 95% of the original pipes remaining intact. Asbestos ages and degrades naturally overtime with

subsequent reductions in the pipe's pressure holding capacity. The pipes are now over 40 years old and approaching the end of their serviceability lifecycle. The capacity of the existing A/C pipes is unknown due their age and recently airside water bursts have occurred.

Bursts require the A/C pipes to be excavated and repaired with fittings not readily available in Broken Hill and are required to be shipped from Adelaide. If an airside burst occurs, the pavement is required to be excavated to repair the pipe. This report proposes that the pipe system is replaced with a new, parallel, system that complies with Australian Standard and constructed from modern materials

Scope of works

All new works will be carried out as per Drawing Set No. 12621292 by GHD Pty Ltd dated 4 December 2023. (attached)

Fire hydrants

GHD Pty Ltd has carried out a Fire Hydrant audit on the type of fire hydrants and location of the fire hydrants as part of the design works to replace the A/C fire piping system to ensure the entire fire system at the airport is compliant to current fire regulations.

Additionally, the requested budget for this work includes fire hydrants.

Budget details

The total budget being requested for this project is \$1,214,394 (ex GST).

Budget estimate prepared by GHD Pty Ltd through quantity surveying firm Vasey Consulting are shown in the table below.

| Item | Description | Qty | Unit | Rate | Cost |
|------|----------------------------------|-----|------|-------------|-------------|
| 1 | Trade costs – landside works | 1 | item | \$505,453 | \$505,453 |
| 2 | Builder's costs – landside works | 1 | item | \$417,921 | \$417,921 |
| 2.1 | Preliminaries | 1 | item | \$264,025 | \$264,025 |
| 2.2 | Margin - 20% | 1 | item | \$153,896 | \$153,896 |
| 3 | Airside works | 1 | item | \$198,683 | \$198,683 |
| 4 | Professional fees (completed) | 1 | item | Excluded | Excluded |
| 5 | Other BHCC costs | 1 | item | Excluded | Excluded |
| 6 | Contingencies | 1 | item | \$92,337 | \$92,337 |
| 7 | Total costs (ex GST) | 1 | item | \$1,214,394 | \$1,214,394 |

The allocation of project costs will be over:

- Financial year 2023/24 \$264,394 (ex GST)
- Financial year 2024/25 \$950,000 (ex GST)

The works under financial year 2023/24 will primarily involve planning and procurement works including advertising for construction tender. However, this report seeks \$264,394 (ex GST), being approximately 21.7% of the total project budget, in financial year 2023/24 as a contingency sum for potential costs related procurement and the appointment of a principal contractor. This may include payments for material orders.

Project timeline

The project is estimated to be delivered over a period of approximately 12 months.

A summary of key project dates is shown below.

- Design documentation (completed) 20 July 2023 to 4 December 2023
- Budget submission for Q2, 2023/24 February 2024
- Planning and procurement March 2024 to June 2024
- Construction delivery July 2024 to December 2024

• Closing and handover – January 2025 to February 2025

Works include airside piping replacement to be completed alongside the wider airside pavement project that is currently being undertaken by council to ensure time and cost efficiency

Community Engagement:

The Broken Hill Fire Brigade was consulted during the development of the design documentation by GHD Pty Ltd.

Wider community engagement is not required for this project as this has previously occurred with the airside pavement construction engagement

The Royal Flying Doctors Service (RFDS) is a key stakeholder organisation that will be affected by some aspects of this project due to their fire systems relying on the underground pipework being replaced under this project and is fundamental to their upgrade as well

All airport stakeholders will be notified of the works prior to commencement due to the general effect on fire services airport wide during the construction of the project.

Strategic Direction:

| Key Direction: | 1 | Our Community |
|----------------|-------|--|
| Objective: | 1.5 | Our built environment supports our quality of life |
| Strategy: | 1.5.3 | Manage community infrastructure sustainably |

Relevant Legislation:

Local Government Act 1993 Local Government (General) Regulation 2005 Dangerous Substances Act 2004 Dangerous Substances (General) Regulation 2004 Civil Aviation Safety Regulations (CASR) 1998 and Part 176 (Proposed)

Financial Implications:

This report seeks approval for the allocation a total budget of \$1,214,394 (ex GST) for the Airport Fire System Pipe Replacement and Hydrants Project.

Attachments

- 1. J Business Case Airport AC Hyrdant Pipes Replacement
- 2. J Final Design (A4 NTS) Airport Fire Pipes & Hydrants 4.12.2023
- 3. J Project Timeline Airport AC Hydrant Pipes Replacement 2.2.2024

CODIE HOWARD DIRECTOR INFRASTRUCTURE AND ENVIRONMENT

JAY NANKIVELL GENERAL MANAGER

BROKEN HILL



PROJECT BUSINESS CASE

| Title | Airport - AC Hydrant Pipes - Replacement | Date | 08/02/2024 |
|---------------------|--|--------------|------------|
| Project Sponsor | Environment | | |
| Project Manager | Asad Nizamani – Projects Engineer | | |
| Project Category | 1 | | |
| Strategic Alignment | | | |
| Key Direction | Our Community | | |
| Objective | 1.5 Our built environment supports our qua | lity of life | |
| Strategy | 1.5.3 Manage community infrastructure sus | stainably | |
| Project Details | | | |
| Introduction | The Broken Hill Airport is a critical infrastructure premises owned by council. Council operates daily aviation services to Adelaide, Dubbo, Melbourne, Mildura, and Sydney. The airport serves the city and the NSW far west region. In 2022/23, the Airport's fire pump systems were replaced with new diesel pumps to comply with current codes and regulations. The fire system at the airport is still not fully compliant due to the presence of asbestos cement (A/C) pipes in the underground hydrant service system. This has been specially noted during the works carried out in 2022/23 and is in need for replacement piping systems that can provide compliant hydrant pressure boosting to the requirements of the Australian standard. | | |
| Project Scope | roject Scope GHD Pty Ltd was engaged in late 2023 to carry out a design on the Airport's underground A/C fire system pipes and the existing fire hydrar coverage at the premises. The final design was completed on 4 December 2023. This submission for the piping system and hydrants replacement works – construction – under the design by GHD Pty Ltd. The works will include: • Replacement of the underground AC fire pipe system with a ne system compliant with current Australian standards • Replacement or relocation of existing fire hydrants to comply w coverage distances as per Australian standard. The works is estimated to completed over an 12-month period with airs works being concurrently with the current airside construction project. | | |

Project Brief - CM Ref

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| Target Audience | The following are key audiences for this project: Airport management Broken Hill City Council's infrastructure division Broken Hill City Council's asset management division Broken Hill Fire Brigade The Royal Flying Doctors Service (RFDS) Airport operators Air traffic passengers and other airport users CASA regulators This project will affect the Broken Hill community and visitors to the city that use the Airport in terms of fire safety. |
|--------------------------------|--|
| Project Benefits | A compliant fire fighting system at the Airport. |
| Project Start | 1 March 2024 – initiation and procurement stages |
| Project Finish | 31 December 2024 – project closure |
| Assumptions and Constraints | It is assumed that the works can be done alongside the airside construction works for the portion of pipe replacement that is airside. A 1980s design plan was used to produce the GHD Pty Ltd design documentation. Although it was deemed accurate by using relative scaling, site services scans will confirm exact locations where required. It is also assumed that contaminated soil or HAZMAT will not be found on site, but this may need verification if required. A further assumption is that the works are anticipated to be undertaken with full airport operations. This has been allowed for in the pricing of the preliminaries of the project. A constraint on the project is the availability of local trades to adequately price the project which will reduce dependency on travel and living away from home (LAFH) costs. |
| Exclusions | Removal of existing underground AC piping which will become redundant. Rock excavation and staging are excluded. Works to anything other than the fire pipes system and hydrant standpipes. General items: Staging Delay costs HAZMAT Removal of existing utilities Out of hours work Unknown ground conditions Escalation beyond December 2023 Living away from home allowance Any electrical services Lighting Communications Sewer Gas Demolition of existing airside pavements (assumed as part of airside pavements project) |

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| | Reinstatement of airside pavements (assumed as part of airside pavements project) | | | | | | |
|-------------------------------|---|--|-----------------|--|--|--|--|
| Related Projects | Airport – Fire Pumps & Associated Equipment Upgrade Airport – Fire Hydrants & AC Hydrant Pipes – Design Airport – Airside Pavements Upgrades | | | | | | |
| Team Details | Project Sponsor: Codie Howard - Director, Infrastructure & Environment Project Manager: Asad Nizamani – Projects Engineer Key Stakeholder: Simon Brown – Director, Finance & Commercial Key Stakeholder: Chris Wellington – Airport Manager Airside Project Manager: Faisal Salah – Projects Engineer Secondary Stakeholder: Hayden Beitzel – Plumbing Tradesperson Project Consultant: Stuart Etchells - GHD Pty Ltd Consultant Project Manager: To be confirmed. Principal Contractor: To be confirmed. | | | | | | |
| Budget Details | - | | | | | | |
| Project Cost | \$1,214,394 excluding GST | | | | | | |
| On-Going Maintenance Costs | \$0 | | | | | | |
| Project Management Costs | Excluded | | | | | | |
| Budget Source | Broken Hill City Council | | | | | | |
| Risk Management Over | view | | | | | | |
| Project Element | Risks | Control Measures | *Risk Rating | | | | |
| Scope | Not applicable. | Not applicable. | Low | | | | |
| Finance/ Procurement | The direct costs of the project as per the cost plan have been used for the project budget. Some costs for preliminaries have been cut down like VMS boards, bank guarantees, digging for services locations (assuming services location will be sufficient), and specific OHS supervision. The cost plan applies a builder's margin of 25% which has been reduced to 20%. Design development fees removed and a construction contingency of 10% instead of 15% used. | The risks related to removal have been in line with other cost plans on other projects. The preliminaries can be controlled. The Cost Plan has been developed by Vasey Consulting in collaboration with GHD Pty Ltd. This Cost Plan has been used as the basis for this business case. | Moderate | | | | |
| Legislation/ Legal | The current system doesn't meet complete current regulations and has a risk of | The new system will remove these risks. Legal reviews on prefilled standard form | Moderate | | | | |

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| | an old system that could rupture on pump pressures. Contract formation would require something related to standard form contracts and a legal review. | Id contract may be used for this project. uld ted to ts and | | | | | |
|--|---|--|--|----------|--|--|--|
| Reputational/ Stakeholder Management | The airport is a vital facility and has an important stakeholder list. | A sto plan man gove | ukeholder management will be compiled to age project ernance. | Low | | | |
| Construction | Due to ground excavations and working fire piping systems, there is a risk of encountering latent conditions. A contingency of 12% has been used (approximately \$100K) to mitigate this risk as much as possible. | | | Moderate | | | |
| Sustainability | Not applicable. | Not | applicable. | Low | | | |
| Workplace Health & Safety | Due to this being a civil Safety Due to this being a civil project, there is a considerable WHS management requirement to this project. Allowance of adequate project management and supervision including WHS documentation is included in the preliminaries. | | vance of adequate ect management and ervision including WHS umentation is included in preliminaries. | Moderate | | | |
| Associated | 1. Final Design - Airport - Fire Pip | bes & | Hydrants - 4.12.2023 | | | | |
| Documents | 2. Cost Estimate (BHCC) - Airport - AC Hydrant Pipes – Replacement | | | | | | |
| | 3. Project Timeline - Airport - AC Hydrant Pipes - Replacement - 2.2.2024 | | | | | | |
| | 4. Budget Report - Airport - Fire Pipes & Hydrants - 1.12.2023 – GHD PTY LTD | | | | | | |
| Approval | | | | | | | |
| Project Sponsor | Name | | Date | | | | |
| Approval | | | | | | | |
| Signature: | | | | | | | |

*Risk Matrix below.

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RISK MATRIX:

A risk exposure rating will be derived from the combination of likelihood and consequence (Likelihood x Consequence), resulting in a Risk Rating status for each risk to be placed in the table above.

This risk matrix has a risk priority rating represented by a numerical code as the key below outlines.

| | | RISK MATRIX | | | | | | | | |
|---|-------------------|---------------|-------|----------|----------|--------------|--|--|--|--|
| | | CONSEQUENCE | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | | | | |
| L | IKELIHOOD | INSIGNIFICANT | MINOR | MODERATE | MAJOR | CATASTROPHIC | | | | |
| 5 | ALMOST CERTAIN | LOW | LOW | MODERATE | EXTREME | EXTREME | | | | |
| 4 | LIKELY | LOW | LOW | MODERATE | HIGH | EXTREME | | | | |
| 3 | POSSIBLE | LOW | LOW | MODERATE | HIGH | HIGH | | | | |
| 2 | UNLIKELY | LOW | LOW | LOW | MODERATE | HIGH | | | | |
| 1 | RARE | LOW | LOW | LOW | MODERATE | HIGH | | | | |

| | | LIKELIHOOD | |
|---|----------------|--|--|
| | DESCRIPTOR | DETAILED DESCRIPTION | OPERATIONAL FREQUENCY |
| 5 | ALMOST CERTAIN | The event is expected to occur in most circumstances | More than once per year or incident is clearly imminent |
| 4 | LIKELY | The event will probably occur in most circumstances | At least once per year |
| 3 | POSSIBLE | The event should occur at some time | At least once in 3 years |
| 2 | UNLIKELY | The event could occur at some time | At least once in 10 years |
| 1 | RARE | The event may only occur in exceptional circumstances | Less than once in 15 years |

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| | CONSEQUENCE | DESCRIPTION |
|---|--------------|--|
| 5 | CATASTROPHIC | Significant/material financial loss > \$10M. Extensive regulatory breaches. Widespread and total degradation of operations & service levels. Impact across critical functions. Threat to immediate viability of business. Death or permanent disability. Major environmental loss. Major adverse public/staff reaction and negative publicity |
| 4 | MAJOR | Major financial loss of \$1M - \$9M. Significant regulatory breach. Significant degradation of operations & service levels. Impacts multiple and diverse areas of business. Threatens business viability. Extensive injuries. Loss of production capability. Major environmental loss. Significant adverse public/staff reaction and negative publicity. |
| 3 | MODERATE | High financial loss of \$100,000 - \$1M. Significant regulatory breach. Substantial degradation of operations & service levels. Impacts multiple areas of business. Medical treatment required. Significant environmental loss. Moderate adverse public/staff reaction and negative publicity. |
| 2 | MINOR | Medium financial loss of \$10,000 - \$100,000. Minor regulatory breach. Minor degradation of operations & service levels. Little environmental loss. Minor adverse public /staff reaction and negative publicity. First aid treatment |
| 1 | INSIGNIFCANT | Low financial < \$10,000 and no injury to property or people. No regulatory breach. No adverse public /staff reaction and negative publicity. |

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BROKEN HILL CITY COUNCIL BROKEN HILL AIRPORT FIRE HYDRANTS & AC HYDRANT PIPES BROKEN HILL AIRPORT BONANZA ST, BROKEN HILL NSW 2880 12621292



| DRAWING LIST | |
|---------------|---|
| DRG No. | DRAWING TITLE |
| 12621292-H001 | COVER SHEET, LOCALITY PLAN AND DRAWING LIST |
| 12621292-H002 | GENERAL NOTES SHEET 1 OF 2 |
| 12621292-H003 | GENERAL NOTES SHEET 2 OF 2 AND LEGEND |
| 12621292-H004 | DETAILS SHEET |
| 12621292-H100 | FIRE HYDRANT SYSTEM DESIGN SHEET 1 OF 3 |
| 12621292-H101 | FIRE HYDRANT SYSTEM DESIGN SHEET 2 OF 3 |
| 12621292-H102 | FIRE HYDRANT SYSTEM DESIGN SHEET 3 OF 3 |

CONSTRUCTION/TENDER

12621292



Broken Hill City Council

| | LOCALITY PLAN N.T.S | | | | | | |
|---|---|-----------------------------|---|-------------|--|--|----------|
| CONSTRUCTIONTENDERISSUE JP 3/P 04/12/20 Rer Description Oncited Approved Data | NEARMAP - MAGERY (DATE CAPTURED: 17/102022, DATE EXTRACTED: 28092023) | BROKEN HILL City council | CHC Town: Low 3 24 Monyusold Dire Reveale NW 2020 Australia To 56 MO3 Unit PM All Cont, NV 2310 T 1 2 4/19 1999 F 1 2 4/19 0981 E stimal@yd.com Wave.gd.com | www.ghd.com | Ciert BROKEN HILL CITY COUNCIL Project FIRE HYDRANTS & AC HYDRANT PIPES | Drawing HYDRAULIC SERVICES COVER SHEET, LOCALITY PLAN AND DRAWING LIST | Siz A |

QUARTER 2 - AIRPORT FIRE SYSTEM & HYDRANTS PROJECT BUDGET REQUEST - (PIPE REPLACEMENT

Author

Designer S.ETCHELLS

Design Check B.REYNOLDS

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GENERAL NOTES

Attachment 2 - Airport - Fire its - 4.12.2023

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GEND1. WHERE RELOCATION OF EXISTING SERVICES IS REQUIRED CONTRACTOR IS TO ADVISE SUPERINTENDENT PRIOR TO WORK COMMENCING.

- CENT2 THE CONTRACTOR SHALL COMPLETE TESTING OF EXISTING POTABLE WATER AND EIDE THE CONTRACTOR SHULL COMPLETE TESTING OF EXISTING POTABLE WATTER AND FIRE WATER SYSTEMS TO CONFIRM SUPPLY ARRANGEMENTS PRIOR TO ANY MODIFICATIONS. AFTER EXISTING POTABLE WATER AND FIRE WATER SYSTEMS ARE CONNECTED TO NEW MAINS, THE CONTRACTOR SHALL COMPLETE TESTING OF EXISTING SYSTEMS TO VERIFY CORRECT OPERATION.
- GEN33. APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE MUST BE TAKEN BY THE CONTRACTOR WHEN WORKING WITHIN CLOSE PROXMITY OF ANY TREES OR SERVICES INCLUDING (BUT NOT LINITED TO) OVERHEDA JAN DURERGROUND POWER. GEND4. THE CONTRACTOR IS REQUIRED TO SUPPLY ALL PLANT, LABOUR, MATERIALS AND
- THE CURTINGTOR'S REQUERD TO SUPEY ALL PAINT, TABODO, MILERIAS AND EQUIMART TO EXECUTE ALL OF THE VIRON REQUERD TO SUCCESSFULLY COMPLETE THE WORKS, EVEN THOUGH SUCH WORK MAY NOT BE SPECIFICALLY MENTIONED OR SHOW NO RAWMANS. THE CONTRACTOR SHALL WIST TERE UDING THE TENDER PAISE TO FAILURARE: THENELVES WITH THE CONDITIONS UPON WHICH THEY WILL BE WORKNOR AND TO FLUL WORKSTAIL OT HE STATE OF WORKS MICLIONING
- ENT/STRUCTURE REPLACEMENT, PROPOSED PIPE ROUTE LOCATIONS, LOCATION OF EXISTING TREES AND PROJECT SUNDRIES.
- GEN06. WORKS AS CONSTRUCTED DRAWINGS ARE TO BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE SUPERINTENDENT. AS CONSTRUCTED SURVEY IS TO BE UNDERTAKEN BY A REGISTERED SURVEYOR. LOCATION OF ALL BENDS, TEES, VALVES, ASSEMBLIES, EVCASEMENT LENGTHS TO BE CAPTURED. DATA TO BE RECORDED AT NOT LESS THAN BY A REGISTE IOm INTERVALS
- CINIT SERVICES SHOW ARE FOR INFORMATION ONLY AND HAVE BEEN OBTAINED PARTIALLY GENY, SERVICES SHOW ARE FOR INFORMATION ONLY AND HAVE BEEN OBTAINED PARTIALLY FROM INFORMATION PROVIDED BY THE BHOCC AND VISUAL SITE INVESTIGATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO UNDERTAKE SERVICE LOCATION INCLUDION GEOLIND PENETRATION RADAR, POT HAUNING AS REQUIRED TO LOCATE ALL EXISTING CONTRACTORS RESPONSIBILITY TO UNDERTAKE SERVICE LOCATION INCLUDIONS GEOLIND PENETRATING RADAR, POT HAUNING AS REQUIRED TO LOCATE ALL EXISTING CONTRACTORS RESPONSIBILITY TO UNDERTAKE SERVICE LOCATION INCLUDIONS RESPONSIBILITY CONTRACTORS RESPONSIBILITY FOR RESPONSIBILI PROVINCI DE RESPONSIBILITY FOR RESPONSIBILI PROVINCI DE RESPONSIBILI PRO SERVICES AT THE COMMENCEMENT OF THE WORK
- GEN08. APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE TO BE TAKEN WHEN WORKING WITHIN CLOSE PROXIMITY OF TREES AND EXISTING SERVICES.
- GEN09. THE CONTRACTOR MUST LOCATE ALL SERVICES ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS. ALL EXISTING SERVICES AND UTILITIES MUST BE PROTECTED FROM DAMAG BY THE OPERATIONS OF THE CONTRACTOR. THE CONTRACTOR MUST BE RESPONSIBLE OR THE REPAIR OF SERVICES DAMAGED DURING CONSTRUCTION AND ANY CHARGES THAT MAY APPLY DUE TO THE DAMAGE OF THE SERVICE.
- GEN10. THE DEPTH OF EXISTING SERVICES HAVE BEEN ASSUMED TO BE AT STANDARD DEPTH. THE CONTRACTOR MUST POTHOLE ALL EXISTING SERVICES TO CONFIRM THE DESIGN AND WHERE REQUIRED, THE DESIGN MUST BE MODIFIED TO SUIT BY THE CONTRACTOR AND APPROVED BY THE PRINCIPAL

DRAWINGS

- GEN11. THE DRAWINGS ARE A GUIDE ONLY FOR THE LOCATION & LAYOUT OF THE SERVICE PIPES AND EQUIPMENT. FINAL LOCATIONS TO BE DETERMINED BY THE CONTRACTOR POST CONFIRMATION OF EXISTING IN-GROUND SERVICES LOCATIONS. GEN12. DO NOT SCALE FROM THESE DRAWINGS.
- GEN13. THESE DRAWINGS ARE TO BE RAD IN CONJUNCTION WITH OTHER AIRPORT SITE DOCUMENTS INCLUDING (NOT LIMITED TO JESIGN DRAWINGS, AS-BUILT DRAWINGS AND HISTORIC SERVICES DATA PROVIDED BY BHCC.

LEVELS

GEN14. VERIFY THAT ALL INVERT LEVELS, SURFACE LEVELS & CLEARANCES ARE CORRECT & OBTAINABLE PRIOR TO COMMENCING WORKS. GEN15. ALL LEVELS ARE SHOWN IN METRES AHD. UNO.

REGULATIONS

- GEN16. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH BCA 2022, AS 2419.1:2021, AS 2941:2013 AS 2441:2005. ASINZS 3500:2021. THE LOCAL AUTHORITY & THE PLUMBING CODE OF
- AUSTRALIA
- GEN17. ALL PLUMBING MATERIALS SHALL BE IN ACCORDANCE WITH ASINZS 3500, THE LOCAL AUTHORITY & THE PLUMBING CODE OF AUSTRALIA. GEN18. WORKS SHALL BE CONSTRUCTED BY SUITABLY QUALIFIED & LICENSED TRADES PEOPLE

TESTING AND INSPECTION

- GEN19. THE CONTRACTOR SHALL BEAR ALL COSTS FOR THE TESTING OF THE INSTALLATION & COSTS FOR INSPECTION BY LOCAL AUTHORITY. UND.
- GEN20. THE CONTRACTOR SHALL UNDERTAKE ALL OF THE TESTING REQUIREMENTS OF THESE DRAWINGS, THE CONTRACT DOCUMENTS, RELEVANT CODES, STANDARDS & LEGISLATION. UNO.
- MEASUREMENTS
- GEN21 ALL DISTANCES ARE SHOWN IN MILLIMETRES. LINO

GEN22. ALL LEVELS ARE SHOWN IN METRES. UNO.

EXISTING SERVICES

CONSTRUCTION/TENDER ISSUE

Designer S.ETCHELLS Design Check B.REYNOLDS

Rev Description Author S.ETCHELLS

- CR23. ALL EXISTING SERVICES IMJE REDUNDANT FROM THESE WORKS & EXISTING REDUNDANT SERVICES SHALL BE REINOVED OR SEALED OFF IN ACCORDANCE WITH THESE DRIVINGS. THE CONTINUED COLDINENTS & TO THE SATE/ACTION OF THE LOCAL AUTHORITY. REFER TO ASBESTOS MANAGEMENT NOTES ON SHEET 12821292-1003.
- PIPE DIAMETERS

JP 04.12.202

GEN24. ALL PIPE DIAMETERS DETAILED ON THESE DRAWINGS ARE SHOWN AS NOMINAL DIAMETERS.

Drafting Check M.PAGULON

- PE PIPELINE GENERAL NOTES
- PE01. ALL STRAIGHT PIPE STORED ON THE CONSTRUCTION SITE IS TO BE LAID ON A FLAT SMOOTH SURFACE, STACKED IN PACKS UP TO 1.2m HIGH, NOT MORE THAN 2.4m WIDE. PE02. COLLS STORED IN VERTICAL RACKS OR LAID ON SMOOTH FLAT SURFACE NOT MORE THAN ONE COLL HIGH
- PE03. LIFTING WITH WEBBED FABRIC SLINGS ONLY (NO CHAINS OR HOOKS). PE04. USE SPREADER BAR WITH MULTIPLE LIFTING POINTS TO AVOID EXCESSIVE BENDING OF STRAIGHT PIPE LENGTHS
- PE05. PROVIDE EXTERNAL RESTRAINT FOR COILED PIPE BEFORE CUTTING PACKING BANDS (SAFETY, TO AVOID SPRINGING PIPE).
- PE06. WELDED STRINGS OF PIPELINE NOT TO EXCEED 100m
- PE07. WELDED STRINGS OF PIPE SHALL NOT TO BE DRAGGED OVER ROUGH OR UNEVEN GROUND OR ABRASIVE SURFACES SUCH AS CONCRETE, ROCK OR GRAVEL.
- PE08. WELDED PIPE STRINGS SHALL BE LIFTED INTO TRENCHES AND PLACED ONTO PRE-PREPARED SAND BEDDING. PEOR BUTT FUSION WELDING OF PEPIPES BY QUALIFIED OPERATORS
- PE10. WELD PIPES OF SAME SDR ONLY (SAME WALL THICKNESS).
- PE11. ALL WELDS TO BE STAMPED BY QUALIFIED OPERATOR
- PE12. SAMPLE WELDS WILL BE TAKEN AT RANDOM FOR QA INSPECTION AND LABORATORY TENSILE TESTING.
- PE13. WELDING PE PIPES OF DISSIMILAR MATERIAL TYPE, DISSIMILAR DN SIZE OR PN RATING IS STRICTLY FORBIDDEN
- PE14. FLANGED JOINTS IN PE PIPES SHALL BE USED FOR INSTALLATION OF ALL VALVES AND
- PE15. ALL FLANGED PE JOINTS TO BE FITTED WITH GALVANISED STEEL BACKING FLANGES. PE16 FLANGED ROLTS TO BE TIGHTENED IN DIAGONALLY OPPOSITE THEN PERPENDICULAR JENCE USING A TORQUE WRENCH TO RECOMMENDED BOLT TENSION FOR THE FLANGE PRESSURE RATING.
- PE17. A FLANGED CONNECTION SHALL BE USED TO JOIN PE PIPES OF THE SAME DN BUT DIFFERENT PN RATING.

FUTURE DETECTION.

PE28.

- PE18 ALL FLANGED JOINTS TO BE FITTED WITH APPROVED FLAT FACE GASKETS PE19. PIPES UP TO DN300 SHALL HAVE FLANGE JOINT GASKETS 3mm THICK NEOPRENE RUBBER
- PE20. ALL DN125 AND SMALLER PIPES TO BE LAID SNAKED IN TRENCH.
- PEDI ALL DIVED AND SIMULER PREVIDENDI SIMULER DIVED AND SIMULER CENTRAL DIVERSION SIMULAR EQUIPMENTS IN STALLED BETWEEN PLANCES INTO AN PE PIPELINE, AND THE BORE DUMETER OF THE EQUIPMENT IS DISSIMILAR TO THE BORE OF THE PIPE, SPECIFICALLY DESIGNED FE ADAPTOR RIVES SIMULA BE FITTED TO BOTH INLET AND COTLET SIDES OF THE ITEM. RIVES SIMULA BE IMDE FROM THE SAME OR HIGHER GRADE PE AS THE PIPELINE, WITH THICKNESS AT LEAST EQUAL TO THE THICKNESS OF THE PE FLANGE.
- ALLOW FOR "SNAKING" PIPES LAID TO ACCOMMODATE THERMAL MOVEMENT IN PIPES. EXPECTED THERMAL EXPANSION / CONTRACTION WILL BE 1m / 100m OVER 50 DEGREES CELSIUS CHANGE IN TEMPERATURE (ASSUMED TEMPERATURE RANGE 0 TO 50 DEGREES PE22.
- PE23. INTERNALLY CLEAN EACH LENGTH OF PIPE BEFORE FUSION WELDING INTO PIPELINE. PE24. FIT TEMPORARY CAPS TO PREVENT ENTRY OF FOREIGN MATERIAL INTO OPEN ENDS OF PIPELINE DURING CONSTRUCTION.
- PE25. ALL PIPES LAID UNDERGROUND TO HAVE CONTINUOUS MARKER TAPE PLACED NOT MORE THAN 150mm IMMEDIATELY ABOVE THE CENTERLINE OF THE PIPE. CONTIN WIRE IS TO BE AFFIXED DIRECTLY TO THE TOP OF ALL NEW PIPELINES TO ALLOW FOR

PE29. ALL PIPELINE PRESSURE TESTING SHALL BE WITNESSED BY THE SUPERINTENDENT.

PE30. CONTRACTOR SHALL GIVE NOT LESS THAN 24 HRS NOTICE PRIOR TO COMMENCING TERTS.

PE33. PIPELINE SHALL BE PRESSURE TESTED IN SECTION LENGTHS NOT MORE THAT 500m LONG.

PE34. TEST PROCEDURES SHALL BE CONDUCTED AND DOCUMENTED IN ACCORDANCE WITH THE PIPE MANUFACTURERS STANDARDS.

Inclusion Comparison of Comparison Standards.
PE35. HYDRAULC TEST PRESSURE TO BE 1700/Pa. COMPRESSED AIR SHALL NOT BE USED FOR PRESSURE TESTING PIPELINES. ALL PRESSURE TESTS SHALL BE PERFORMED PRIOR TO BACKFILLING.

PE31. FLUSH WITH WATER AND CLEAN PIPELINE PRIOR TO PRESSURE TESTING.

PE32. ENSURE THE PIPELINE IS FULLY PRIMED WITH WATER AND ALL AIR REMOVED.

TR06. AFTER EXCAVATION OF THE TRENCH, SAND EMBEDMENT SHALL BE PLACED & COMPACTED AROUND THE PIPE AS PER REGULATIONS & RELEVANT STANDARDS T MINIMUM HEIGHT OF 150mm ABOVE THE TOP OF THE PIPE AND/OR FITTINGS. WHER PE26. INSTALL MASS CONCRETE ANCHOR OR THRUST BLOCK AT ALL ISOLATING VALVES, CAPPED ENDS OF PIPE. TEES AND ALL PIPE BENDS GREATER THAN 45 DEGREES. TRENCH MARKER TAPE IS REQUIRED SAND EMBEDMENT SHALL BE BROUGHT UP TO THE DEPTH OF THE MARKER TAPE. PE27 CONCRETE FOR CONCRETE ENCASEMENT. THRUST BLOCKS, CAP ENDS AND ANCHORS MUST BE SPECIAL CLASS S40 TO AS1379, SLUMP MUST BE 80-120mm, MAXIMUM NOMINAL AGGREGATE SIZE MUST BE 20mm.

EMBEDMENT

TRENCHING

CONCRETE

UNSTABLE FOUNDATION

TRENCH WIDTHS, LENGTHS, DEPTHS

EXCAVATION

WATER GENERAL NOTES

HORIZONTALLY 300mm

VERTICALLY 300mm

WG02. MINIMUM CLEARANCES TO OTHER SERVICES SHALL BE

INIDENTIFIED PIPES WILL BE REJECTED.

WG01. MINIMUM COVER TO PIPES IS 750mm IN ROAD RESERVES AND OTHER TRAFFICABLE AREAS AND 600mm ELSEWHERE.

WG03. WATER MAIN TO BE LAID OVER STORMWATER AND SEWERAGE PIPES AS REQUIRED.

WG04. ALL PE PIPE AND MATERIAL SHALL BE PE100 GRADE IDENTIFIED WITH MANUFACTURERS MARK ROLL STENCILED INTO THE SURFACE OF THE PIPE SHOWING COMPONENT IDENTIFICATION AND COMPLIANCE WITH APPLICABLE AUSTRALIANS STADDARDS.

WG05. CONNECTIONS TO EXISTING WATER MAINS IS ONLY TO BE CARRIED OUT WHEN ALL WORKS DOWNSTREAM OF THE CONNECTION ARE COMPLETE (INCLUDING TESTING AND DISINFECTION, BACKFILLED AND CERTIFICATES SUBMITTED) IN ACCORDANCE WITH THE APPROVED DESIGN DRAWINGS.

WORK SHUT DOWN TIME FOR ALL MAINS SHOULD BE SUBJECT TO THE PRINCIPAL'S APPROVAL

WG09. JOINT DEFLECTIONS FOR MINOR VERTICAL AND HORIZONTAL DEFLECTIONS TO BE LIMITED TO VALUE RECOMMENDED BY PIPE AND FITTING MANUFACTURER.

TR01. EXCAVATE FOR UNDERGROUND SERVICES, TO REQUIRED LINES, LEVELS & GRADES GENERALLY, MAKE THE TRENCHES STRAIGHT BETWEEN PERSONNEL ACCESS WAY INSPECTION POINTS & JUNCTIONS, WITH VERTICAL SIDES & UNIFORM GRADES.

TR02. AS REQUIRED BY THE RELEVANT SERVICE & ITS BED DING METHOD. REFER TO DETAIL ON SHEET 12614719-H003.

DEPTH & BEARING VALUE USING COMPACTED BEDDING MATERIAL OR GRADE N20

TR03 IF TRENCH EXCAVATION EXCEEDS THE CORRECT DEPTH REINSTATE TO THE CORRECT

TR04. WHERE FOUNDATION OF THE TRENCH IS UNSTABLE. NOTIFY THE SUPERINTENDENT &

TR05. NOT WITHSTANDING THE LOCAL REQUIREMENTS, SAND BEDDING MATERIAL SHALL BE A COARSE, RIVER (QUARTZ BASED), SAND FREE OF ORGANIC MATTER, SOLUBLE SALTS & OTHER DELETERIOUS MATERIALS.

PROVIDE DETAILS OF PROPOSED REMEDIAL MEASURES FOR REVIEW. DO NOT PROCEED WITH FURTHER EXCAVATION UNTIL REMEDIAL MEASURES HAVE BEEN APPROVED BY THE

CONTRACTOR TO PREPARE SHUTDOWN MANAGEMENT PLAN AND SUBMIT TO THE PRINCIPAL FOR APPROVAL.

OPERATIONAL DURING CONSTRUCTION. IF THE NEW WORKS INTERFERE WITH THE EXISTING WATER SUPPLY, THE CONTRACTOR MUST ADVISE THE PRINCIPAL IMMEDIATELY THE CONTRACTOR MUST PROVIDE A TEMPORARY WATER SUPPLY FOR THE DURATION OF

WG06. ALL VALVES TO BE RESILIENT SEATED GATE VALVE. RIGHT HAND OR CLOCKWISE

WG07. THE CONTRACTOR MUST ENSURE THAT THE EXISTING WATER MAINS REMAIN

APPROVED BEDDING, SURROUND & SELECT FILL SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH AS 1289 PART 5.1.1.& 70%. DENSITY DETERMINED IN ACCORDANCE WITH AS 1289 PART E.6.1.

ADDRESSING BLE RANGE RECOMMENDER THE CONFIGURATION OF RECOMMENDER THE CONFIGURATION OF RECOMPOSITION OF REPRESE LEAVER ADDRESS COMMISSIONNES LOS BOOK IST DIE LIEBEN TO RECORD ALL BELEVANT TECHNICAL MORDMATCH A. COPY OF THE COMMENDING LOS TO SEE SUPPLIED TO THE SUPERITIENDENT AT THE COMMENDING ACCOMPOSITION ACCOMPOSITION COS SMLL BE LOCULED IN THE OFFENTING ACCOMPOSITION ACCOMMISSIONNES COS SMLL BE LOCULED IN THE OFFENTING ACCOMPOSITION ACCOMMISSIONNES COS SMLL BE LOCULED IN THE OFFENTING ACCOMPOSITION ACCOMMISSIONNES COS SMLL BE LOCULED IN THE OFFENTING ACCOMPOSITION ACCOMMENSIONNES COS SMLL BE LOCULED IN THE OFFENTING AND AMENTMENT AMENTMENT ADDRESSIONNE TRENCH FILL

- TR8. BACKFILL SERVICE TRENCHES AS SOON AS POSSIBLE AFTER THE SERVICE HAS BEEN LAID, BEDDED, OVERLAY PLACED, & INSPECTED WHERE REQUIRED BY THE LOCAL AUTHORY'S \$UPERINTENDENT, IF DOSSIBLE ON THE SAME WORKING DAY, PLACE THE RENCH FILLIN LAYERS + Some THICK & COMPACT TO THE DENSITY, WHICH APPLIES TO THE LOCATION OF THE TRENCHES TO MINIMISE SETTLEMENT, & SO THAT PIPES ARE BUTTRESSED BY THE TRENCH WALLS.
- TR09. COMPACT TRENCH FILL TO A MINIMUM OF 95% OF THE STANDARD MAXIMUM DRY DENSITY SPECIFIED IN AS 1289.5.4.1 OR AS 1289.6.1. COMPACT TRENCH FILL IN SUCH A MANNER THAT THE PIFES ARE NEITHER DISCOGED NOR DAMAGED.
- TR10 TRENCH FILL SHALL HAVE NO STONES GREATER THAN 25mm OCCURRING WITHIN 150mm OF THE SERVICE. WELL GRADED, INORGANIC, NON-PERISHABLE MATERIAL SHALL BE
- TR11. UNDER ROADS & PAVED AREAS, COARSE SAND,CONTROLLED LOW STRENGTH MATERIAL OR FINE CRUSHER DUST SHALL BE USED TO BACKFILL THE TOTAL HEIGHT OF THE TRENCH.
- TR12. WHERE ROAD PAVEMENTS ARE REQUIRED TO BE REINSTATED THE SUB BASE & ROAD SUBFACE SHALL BE UNDERTAKEN BY ALLCENSED CIVIL CONTRACTOR

BROKEN HILL

TR13. PAVED AREAS, COARSE SAND, CONTROLLED LOW STRENGTH MATERIAL OR FINE CRUSHER DUST SHALL BE USED TO BACKFILL THE TOTAL HEIGHT OF THE TRENCH.

GHD

FIRE HYDRANTS AND HOSE REELS

STANDARD

FH01. FIRE HYDRANT SERVICE TO COMPLY WITH AS 2419.1.2 & 3

- FH02. FIRE HOSE REEL SERVICE TO COMPLY WITH ASINZS 1221 & AS 2441 FH03. CONTRACTOR SHALL ALLOW FOR FLOW & PRESSURE TESTING OF THE HYDRANT & HOSE REEL SYSTEMS BY ACCREDITED TESTERIS ON COMPLETION OF THE WORKS. PROVIDE A
- CERTIFICATE THAT THE SYSTEMS IS INSTALLED TO THE REQUIREMENTS OF AS 2419.1 & AS 2441
- FH04. PE PIPE SIZES ARE SHOWN AS OUTSITE PIPE DIAMETERS.
- FH05. ALL PROPOSED FIRE HYDRANTS SHALL BE MIN. 10m FROM BUILDINGS/STRUCTURES PROTECTED. VALVES

- FH06. ALL FIRE SERVICES ISOLATION VALVES SHALL BE LOCKED IN THE OPEN POSITION ON COMPLETION. FH07. PROVIDE SLUICE VALVES AS REQUIRED TO AS 2638.2. SLUICE VALVES SHALL BE KEY HEAD TYPE, ANTI-CLOCKWISE CLOSING, BURIED SERVICE, RESILIENT SEATED, FLANGED ("RILSAN" COATED. SILICONE CAPS OVER VALVE BODY BOLTS SHALL BE NEUTRAL CURE & FREE FROM DEFECTS.
- FH08. PROVIDE VALVES SUITABLE FOR A SERVICE RATING OF 1600kPa AT TEMPERATURES FROM 10°C TO 40°C, & A MINIMUM "OPEN VALVE" PIPELINE TEST PRESSURE OF 3000kPa.

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- FH09. LIAISE WITH THE LOCAL AUTHORITY & OBTAIN ALL PERMITS AS REQUIRED FOR THE GENERAL CONSTRUCTION OF THE PLUMBING WORKS. THESE INCLUDE BUT ARE NOT LIMITED TO ROAD OPENING PERMITS, PLUMBING PERMITS & PAYMENT OF AUTHORITY
- FH10. ENSURE THAT APPROPRIATE SAFETY MEASURES ARE TAKEN TO PROTECT TRAFFIC, PROPERTY & PEDESTRIANS FOR THE FULL DURATION OF THE WORKS.
- MARKING SERVICES

- FH11. FIRE SYSTEM BLOCK PLAN SHALL BE UPDATED IN ACCORDANCE WITH AS 2419.1-2021 BLOCK PLAN SHALL BE PERMANENTLY AFFIXED AT PUINP ROOM AND ADJACENT TO BOOSTER ASSEMBLY, BHOC HAVE PREPARED A DRAFT BLOCK PLAN FOR COMPLETION BY THE CONTRACTOR.
- FH12. NOTICE OF TEST AND BOOST PRESSURE SIGNAGE SHALL BE UPDATED IN ACCORDANCE WITH AS 2419.1:2021 AND SHALL BE PERMANENTLY AFFIXED WITHIN BOOSTER ASSEMBLY FH13. UNDERGROUND MARKING TAPE: TO ASINZS 2648.1. LAY PLASTIC WARNING TAPE. 350mm #
- 50mm ABOVE ALL BURIED PIPING, FOR THE FULL LENGTH OF THE PIPING. COVER THE TAPE WITH APPROXIMATELY 100mm DEEP SAND. FH14. PROVIDE TRENCH MARKER TAPE THAT CLEARLY IDENTIFIES THE SERVICE BELOW.
- EH15 EACH RELOW GROUND ISOLATING VALVE SHALL BE IDENTIFIED (IN ACCORDANCE WITH AS EACH BELOW IS ALLWIN SALAH RIK WAYLE SHALL BE LUDAI IN EU (MACCHANNE, MIT NA SHALL SALAH SHALL SALAH S ARROW THAT INDICATES THE DIRECTION OF OPERATION OPEN OR CLOSE
- FH16. EACH PILLAR HYDRANT AND IN-GROUND HYDRANT SHALL INCLUDE METAL OR ULTRAVIOLET (UV) RESISTANT DISC OF NOT LESS THAN 20mm DIMIETER DISPLAYING THE FIRE HYDRANT NUMBER AS SHOWN ON THE BLOCK PLAN. REFER TO DETAIL ON SHEET

BROKEN HILL CITY COUNCIL

Status CONSTRUCTION/TENDER

FIRE HYDRANTS & AC HYDRANT PIPES

MATERIALS AND COMPONENTS

- MATERIALS_GALVANISED COMPONENTS
- MC01. ALL GALVANISED COMPONENTS INCLUDING, FIRE HYDRANT PILLARS & BRACKETS SHALL ALL GALVANSEED COMPLORENTS INCLUDING, FILE INTOXAVI FULANS & BRACKETS SHALL HAVE & COATING MASS NOT LISS STALL SHALL BE HOT DIPPED GALVANISED AFTER FABRICATION, WITH EXCEPTION OF PIPE BRACKETING SYSTEM WHERE THE CUT ENDS ARE TREATED WITH A PROPRIETARY BRAND GALVANISING FAINT.

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Council

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GALVANISED STEEL

MC02 THE GALVANISED STEEL SURFACE SHALL RE FREE OF ANY WELD SPLATTER SHARP DGES, BURRS OR SLIVERS THAT AFFECT THE CONTIGUITY OF THE COATING. THESE ELGES, BURKS OK SUIVEST IMI AFECT INE CONTIGUITY OF THE COLATING. THESE DEFECTS SHALL BE REMOVED PRIOR TO GAL VINISING, DE GREASE USING A BIODEGRADABLE DETERGENT, APPLIED BY UMUUTACTURERS RECOMMENDATIONS & THEN HOSE OFF. THICH PRESSURE WASH USING CLARM RESH WATER, TO REMOVE ALL CONTAMINANTS SUCH AS OIL, GREASE, SALTS, ETC.

UPVC PIPING

- MC03. DEGREASE USING A BIODEGRADABLE DETERGENT, APPLIED BY MANUFACTURERS RECOMMENDATIONS & THEN HOSE OFF. HIGH PRESSURE WASH USING CLEAN FRESH WATER, TO REMOVE ALL CONTAMINANTS SUCH AS OIL, GREASE, SALTS, ETC.
- MC04. PIPEWORK > DN 80 PIPES TO ASINZS 1477 SERIES 2 & FITTINGS TO AS 2280 DUCTILE IRON RILSON NYLON 11 COATED & LINING. JOINTS RUBBER RING JOINTS. VALVES AND FITTINGS

MC05. GENERAL - PROVIDE THE FITTINGS NECESSARY FOR THE PROPER FUNCTIONING OF THE

- WATER SUPPLY INCLUDING VALVES, BACKFLOW PREVENTION DEVICES, PRESSURE CONTROL DEVICES, STRAINERS, GAUGES & AUTOMATIC CONTROLS & ALARMS. MC06. NON-RETURN VALVES. PROVIDE AT LEAST 6 PIPE DIAMETERS OF STRAIGHT PIPE ON THE UPSTREAM SIDE.
- MC07. SELECTION WORKING PRESSURE RATING: MINIMUM 1.4MPa & TO SUIT THE SYSTEM RESSURE REQUIREMENTS. WORKING TEMPERATURE RATING: TO SUIT THE SYSTEM
- REQUIREMENTS. MC08. ISOLATING VALVES SHALL BE GATE OR SLUICE VALVES. BUTTERFLY VALVES - BUTTERFLY VALVES WILL NOT BE ACCEPTED AS AN ALTERNATIVE FOR ISOLATION VALVES OR CONTROL VALVES.
- MC09. SLUICE VALVES IN-GROUND PROVIDE SLUICE VALVES AS REQUIRED TO AS 2638.2-1999. SLUICE VALVES SHALL BE KEY HEAD TYPE, ANTI-GLOCK WISE CLOSING, BURIED SERVICI RESILIENT SEATED, FLANGED & "RILSAN" COATED. SLUICONE CAPS OVER VALVE BODY BOLTS SHALL BE NEUTRAL CURE & FREE FROM DEFECTS.
- MC10. SLUICE VALVES ABOVE GROUND PROVIDE SLUICE VALVES AS REQUIRED TO AS 2638.2-1999. SLUICE VALVES SHALL BE WHEEL HANDLE TYPE, CLOCK WISE SHUT OFF, RESILIENT SEATED, FLANGED & 'RILSAN' COATED. SILICONE CAPS OVER VALVE BODY BOLTS SHALL BE NEUTRAL CURE & FREE FROM DEFECTS.

VALVE TAGS REQUIREMENTS:

- MC11. PROVIDE TAGS FOR IDENTIFYING ALL VALVES. TAGS SHALL BE BRASS ATTACHED TO VALVES WITH CORROSION RESISTANT FIXINGS.
- MC13. IDENTIFY VALVE POSITIONS & NUMBERS ON AS CONSTRUCTED DRAWINGS AND BLOCK

MC15. FOR DUCTILE IRON & STEEL FLANGED FITTINGS & PIPEWORK, PROVIDE FLANGES TO AS 4087-1996; MINIMUM CLASS PN 16. WHERE AS 2129-2000 FLANGES ARE SPECIFIED OR

PROPOSED. PROVIDE TABLE E FLANGES OR GREATER STRENGTH FLANGES AS

MC16. "UNIFLANGES" & THE LIKE WILL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL

MC18. GASKETS SHALL BE ELASTOMERIC OF DIMENSIONS & PROPERTIES TO SUIT THE NOMINATED PRESSURES, FLANGE RATINGS & PIPE MATERIALS.

MC20. PROVIDE ROLLED GROOVED COUPLINGS WITH FM. UL. & ULC APPROVAL THE GASKET

MC21. INSTALL ROLLED GROOVED PIPEWORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TAKING INTO ACCOUNT SPECIFIC COUPLINGS TO ALLOW FOR MOVEMENT & EXPANSION IN THE PIPEWORK.

MC22. PROPRIETARY SYSTEM: VICTAULIC ROLLED GROOVED JOINTS

Drawing HYDRAULIC SERVICES

GENERAL NOTES

SHEET 1 OF 2

SHALL BE SUITABLE FOR A MINIMUM OPERATING TEMPERATURE OF 100°C. EACH JOINT SHALL BE SUITABLE TO WITHSTAND A MINIMUM OPERATING PRESSURE OF 1600kPa.

REQUIRED. DO NOT PROVIDE FLANGES WITH A LESSER TEST PRESSURE RATING, AS DETAILED IN THE RELEVANT STANDARD, THAN THE SPECIFIED TEST PRESSURE.

THAVE MORE THAN 5mm OF THREAD PASSED THE NUT FACE TO THE

MC14. PROPRIETARY SYSTEM: "SETON'S STOCK BRASS VALVE TAGS" OR EQUAL

FLANGED FITTINGS AND PIPEWORK

END OF THE BOLT.

ROLLED GROOVED JOINTS

MC19. ELASTOMERIC GASKETS SHALL BE TO AS 1646.

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OCCUPATIONAL HEALTH AND SAFETY

GENERAL

OHS01. FOR RESIDUAL RISKS IDENTIFIED FROM THE DESIGN PROCESS, REFER TO THE PROJECT RISK REGISTER. OHS02. CHANGES TO HYDRAULIC SERVICES DESIGN SHALL BE REVIEWED AGAINST THE PROJECT RISK REGISTER & MAY REQUIRE FURTHER RISK ASSESSMENT.

SPECIFICATION NOTES

SCOPE OF WORK

- SP01. THE SCOPE OF WORK INCLUDES THE RELOCATION, SUPPLY, DELIVERY, INSTALLATION, TESTING & SETTING TO WORK OF THE SYSTEMS & EQUIPMENT AS SHOWN ON THE HYDRAULIC SERVICES DRAWINGS.
- SP02. SUPPLY ALL THE REQUIRED MATERIALS UNLESS OTHERWISE SPECIFIED IDENTIFICATION

SP03. PIPELINES SHALL BE IDENTIFIED IN ACCORDANCE WITH ASINZS 3500 & SHALL INCLUDE IDENTIFICATION TAPE FOR UNDERGROUND SERVICES. INSTALL SO THAT MARKINGS ARE VISIBLE FOR INSPECTION.

TESTING OF NEW PIPELINES

- SP04. AT COMPLETION OF WATER SERVICE INSTALLATION TEST THE PIPEWORK TO 1700kPa FOR DURATION OF 2hrs COORDINATION OF SERVICES
- SP05. UNDERTAKE COORDINATION REVIEW WITH BUILDING SERVICES & STRUCTURE PRIOR TO COMMENCING WORK.

PLUMBING INSPECTIONS, APPROVALS AND FEES

SP06. HYDRAULIC CONTRACTOR IS RESPONSIBLE TO ARRANGE ALL PLUMBING INSPECTIONS & APPROVALS. PROVIDE ALL REQUIRED APPLICATION & PERMITS TO RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS. PAY ALL REQUIRED APPLICATION & CONNECTION FEES & CHARGES.

CERTIFICATION OF WORKS

- SP07. DURING THE PROGRESS OF THE WORKS, INSTALLALL WORKS TO COMPLY, & PROVIDE & INSUE CERTIFICATES TO STATE THAT THE IMPORALIC SERVICES HAVE EEEN INSTALLED IN ACCORDANCE WITH THE CONTRACT COOLENEN, AUTHORIZES REGUREMENTS & AUSTRALLAW STAMBARS: THIS CERTIFICATE MUST BE SORED & ISSUED PROR TO ANY APPLICATION FOR A MIONITY FOR CORSES PAYMENT
- SP08. AT THE COMPLETION OF THE WORKS & PRIOR TO THE SUBMISSION FOR FINAL PAYMEN THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS, PAY ALL FEES, OBTAIN & ISSUE CERTIFICATES INDICATING THAT THE WORKS:
 - · COMPLY WITH THE CURRENT REGULATIONS;
 - COMPLY WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY; COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS: &
 - HAVE BEEN TESTED & COMMISSIONED FOR THE FULL OPERATING CONDITIONS.
- Here each issue a commissioned the first proceedings commission to a compare the commission of the compared of th

LOCATION OF SERVICES

- SP10. THE LOCATION & MOUNTING HEIGHTS OF THE SERVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. FINAL LOCATIONS & MOUNTING HEIGHTS SHALL BE CONFIRMED ON SITE PRIOR TO INSTALLATION.
- STAGING REQUIREMENTS
- SP11. STAGING SHALL BE AS DIRECTED BY THE SUPERINTENDENT. ALLOW TO ACCOMMODATE VARIOUS ASPECTS OF STAGING AS REQUIRED.
- WORKMANSHIP, MATERIALS, EQUIPMENT AND COMPONENTS
- 512. ALL WORKMANSHP & MATERIALS SHALL BE OF A HIGH STANDARD USING NEW MATERIALS, MY WATERIALS OR WORKMANSHP, WHICH ARE CONSIDERED INFERIOR OR NON-CONFORMING, SHALL BE REPLACED AT THE CONTRACTORS COST. DO NOT PROVIDE WITHOUT APPROVAL PRODUCTS THAT ARE OBSOLETE, DISCONTINUED OR ABOUT TO BE WITHOUT APPROVAL PRODUCTS THAT ARE OBSOLETE, DISCONTINUED OR ABOUT TO BE WITHOUT APPROVAL PROJECTS THAT ARE LISSED. INSUED TAKEN AREAD TO BE BOOCHTINED. DATA WITHOUGH STRATE AND A THE ADVISOR OF THE ADVISOR STRATE AND A THE ADVISOR AND A THE ADVISOR AND A THE ADVISOR AND A THE A WICHWARKSHIP SHALL BE TO THE APPROVAL OF THE CLIINT A ALL DEFECTIVE MATERNALS A WORK WHEN DERCETED IN WITHIN SHALL BEFORTING AND AND A THE FROM THE WORKS AT THE CONTRACTORS EXPENSES WITHINGT ANY CERTAIN ACCESSIONES WHICH ARE THE PRODUCTS OF ESTABLISHED MANUFACTURERS REGULARLY ENGAGED IN TH
- MANUFACTURE OF SUCH EQUIPMENT, WHO ISSUE COMPREHENSIVE RATING DATA & CERTIFIED TEST DATA ON THEIR PRODUCTS. DEFECTS LIABILITY

0 CONSTRUCTION/TENDER ISSUE

Designer S.ETCHELLS Design Check B.REYNOLDS

Drafting Check M.PAGULON

Rev Description Author S.ETCHELLS

- S13. GUARANTEE ALL WORK & MATERIALS AS TO QUALITY, WORKMANSHIP & AGAINST DEFECTS, FOR A PERIOD OF TWELVE MONTHS FROM THE DATE OF ISSUE OF THE "CRETFICATE OF PRACTICAL COMPLETION, DURING THIS FERIO, PROMPTLY REPLACE ALL DEFECTIVE EQUIPMENT, FIXTURES & MATERIALS AT NO ADDITIONAL COST.
- AS CONSTRUCTED DRAWINGS
- SP14. PROVIDE DRAWINGS & SHOW THE 'AS INSTALLED' LOCATIONS OF BUILDING ELEMENTS, PIPEWORK & EQUIPMENT. SHOW OFF-THE-GRID DIMENSIONS WHERE APPLICABLE. INCLUDE RELATIONSHIP TO BUILDING STRUCTURE & OTHER SERVICES, & CHANGES MADE DURING COMMISSIONING & THE MAINTENANCE PERIOD.

JP 04.12.202

AS CONSTRUCTED DRAWINGS TO INCLUDE THE LOCATION OF ALL REMAINING IN-GROUND REDUNDANT FIRE SYSTEM ASBESTOS CONCRETE PIPELINES.

OPERATION & MAINTENANCE MANUALS

- 295. ROVINE TRUGETS OF OPERATION & MARTENANCE MUNILAR FORM LE COMMENT AS 505. ROVINE TRUGETS OF OPERATION & MARTENANCE MUNILAR FORM LE COMMENT AS 505. ROVINE TRUGETS OF MUNICIPAL RESERVANCE TRUGETS AND AND FOR TRAINING OF OPERATIONS OF THE TENS OF FOURIEST AT IS OPERATION, AND FOR TRAINING OF OPERATIONS COMPASSION RESTRUCTIONS, SERVICE AMMETHANCE INSTRUCTIONS, COMES OF COMMISSIONING TEST REPORTS & VULVE WARRANTES & GUAWATES THE WAIKUS SAN INCLUE AS A NUMMER.
 - NAME, ADDRESS, TELEPHONE & FACSIMILE NUMBERS OF THE MANUFACTURER & SUPPLIER OF ITEMS OF EQUIPMENT INSTALLED, TOGETHER WITH CATALOGUE LIST UMBERS. ALSO INCLUDE SUCH DETAILS FOR ALL CONSULTANTS & CONTRACTORS WOLVED IN THE DESIGN & CONSTRUCTION PHASES.
- TECHNICAL DESCRIPTION & MODES OF OPERATION OF THE SYSTEMS INSTALLED (b) PRODUCT LITERATURE FOR THE SYSTEMS INSTALLED & CONTACT DETAILS FOR SUPPLIERS & MANUFACTURERS OF THESE SYSTEMS. (c)
- MANUFACTURER'S OPERATIONAL & SAFETY LITERATURE. AS APPROPRIATE. (d)
- EMERGENCY MAINTENANCE PROCEDURES, INCLUDING TELEPHONE NUMBERS FOR EMERGENCY SERVICES, & AFTER HOURS CONTACTS FOR SUPPLIERS & CONTRACTORS. (e)
- STATUTORY CERTIFICATES OF COMPLIANCE FOR ALL HYDRAULIC WORK, COPIES OF MANUFACTURERS WARRAWTIES, CERTIFICATES FROM AUTHORITIES & UTILITIES, PRODUCT CERTIFICATION, COPIES OF TEST CERTIFICATES, ETC.
- (g) AS-BUILT DRAWINGS, SYSTEM SCHEMATICS ETC. COMMISSIONING RECORDS

(h) DOCUMENTS

- SP16. THE SERVICE PIPEWORK, & EQUIPMENT SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC ONLY, BEFORE COMMENCING WORK, OBTAIN MEASUREMENTS & OTHER NECESSARY INFORMATION. COORDINATE THE INSTALLATION WITH ADJACENT STRUCTURAL ELEMENTS & ALL SERVICES & TRADES TO ENSURE THE COMPLETE INSTALLATION IS FULLY COORDINATED. ALL WORK ASSOCIATED WITH CARRYING OUT THE WORKS WILL BE DEEMED THE RESPONSIBILITY OF THE CONTRACTOR & TO BE INCLUDED IN THE CONTRACT PRICE A NOT BE ACCEPTED AS A VARIATION TO THE SCOPE OF WORK. ADEQUATE CLEARANCES ARE TO BE PROVIDED TO ALLOW FOR FUTURE, ONGOING MAINTENANCE & SERVICE OF ALL PIPEWORK & EQUIPMENT, THE CLEARANCES ALLOWED
- SAFETY IN DESIGN
 - SID1. THE SAFETY RISK MITIGATION ITEMS BELOW ARE BASED ON GHD'S DESIGN OFFICE EXPERIENCE à DO MOTI NECESSIAILY ACCOUNT FOR ALL CONSTRUCTION CREATON MINITENVICE DE DIMINITION SAFET PARSE SASED ON PROVATION AVAILABLE WHE THIS DRIVINIS WIS MIDE, IN IS CAPACITY AS DESIGNER OULY, GIÀ DI VAS TRED TO TO DENTRY SAFET PARSE PRIVILIANS CONSTRUCTION CORFATION, MANA TRED A TO DENTRY SAFET PARSE PRIVILIANS CONSTRUCTION CORFATION, MANA TRED A TO REQUEZ OR ILLIOT COLGIARIDIS OF CONSTRUCTION, CORFATION, MANA TRE DE DOLES REQUEZ OR ILLIO CULGIARIDIS OF CONSTRUCTION, CORFATION, MANTINER & DECILLOSIRIE REQUEZ OR ILLIO CULGIARIDIS OF CONSTRUCTION, CORFATION, MANTINER & DECILLOSIRIE CONSTRUCTION PRIVASES DE THE ASSET. INCLUSION (DI NOT) CF ANY TEN DOLES NOT O UNDERTAKE APPROPRIATE RISK MANAGEMENT ACTIVITIES TO REDUCE RISK & IS NOT IN ADMISSION BY GHD THAT INCLUSION OF ANY ITEM IS DESIGNER'S RESPONSIBILITY.
- AN ADMISSION BT GHO THAT, INCLUDING WAY TIERE IS DEGRAMED S RESPONDEDLT: CARRY OWNORN IN A SPECTRA DEGRAM CONTRACTOR IS RESPONDED. STATUTORY REGULATONS, BY LAWS OR RULES. CONTRACTOR IS RESPONSIBLE FOR OCCUPATION. HEALTH & SPECTY OSTED PERSONNEL & GENERAL PUBLIC IN ACCORDANCE WITH WORK HEALTH & SPECTY ACT 2010, LEGISLATIVE REQUREMENTS, ASSOCIATE DEGLIALITIONS & DEGLIS OF PRACTICE, MUSIFIKIL AREREINTS A. ACCEPTED INDUSTRY PRACTICE, INDUSTRIAL AGREEMENTS & ACCEPTED INDUSTRY PRACTICE.
- SID3. CONSTRUCT BUILDING ELEMENTS THAT CONTRIBUTE TO SAFETY, SUCH AS HANDRAILS & TO BOARDS, FALL ARREST SYSTEMS, ACCESS STAIRS ETC. AS EARLY AS POSSIBLE.
- SID4. PROVIDE SAFETY BARRIERS AT EDGES OF OPENINGS & ELEVATED AREAS. SID5. REVIEW ADEQUACY OF WORKING SPACE AVAILABLE FOR CONSTRUCTION ACTIVITIES ENSURE SEPARATION OF PLANT & PERSONNEL ON SITE, INCLUDING MOVEMENTS OF BOTH.
- SID6. LOCATE LIFTING SLEW & LAY DOWN AREAS AWAY FROM REGULAR CONSTRUCTION
- SID7. PROVIDE PROTECTION TO PERSONNEL FROM PLANT & EQUIPMENT.
- SID8. ENSURE ISOLATION SAFE SYSTEMS OF WORK OR PROTECTIVE MEASURES ARE INSTALLED BEFORE WORKING NEAR LIVE ELECTRICAL INFRASTRUCTURE. PROV PROTECTION OF ELECTRICAL OVERHEAD WIRING SYSTEMS DURING CONSTRUCT SID9 WRITTEN RISK ASSESSMENTS ARE ADVISED FOR ACCESS TO OPEN EXCAVATIONS
- SID10. PROVIDE ACCESS & EGRESS TO EXCAVATIONS APPROPRIATE IN CASE OF INUNDATION, COLLAPSE OR ENGULFMENT.
- SID11. LOCATE STOCKPILES & HEAVY EQUIPMENT INCLUDING CRANES AWAY FROM BURIED SERVICES & BUILDING BOUNDARIES WHERE ADJACENT BASEMENTS ARE PRESENT. SID12. SEEK ADVICE FROM SUITABLY QUALIFIED GEOTECHNICAL OR STRUCTURAL ENGINEER
- PRIOR TO OPERATION OF HEAVY SURFACE PLANT & EQUIPMENT OR STOCKPILING MATERIAL NEAR OPEN EXCAVATIONS OR EXISTING RETAINING STRUCTURES.
- SID13. DO NOT STOCKPILE MATERIAL BEHIND OR EXCAVATE IN FRONT OF EXISTING RETAINING WALLS LUTL WALL STABLITY HAS BEEN REVIEWED BY SUITABLY QUALIFIED STRUCTURAL ENGINEER.
- SID14. SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER BEFORE LAYING BELOW EXISTING FOOTING LEVELS.
- SID15. SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER IF PLANNING CRANE LIFTS OR HOIST INSTALLATION ON PARTIALLY ERECTED OR SUSPENDED STRUCTURES.
- SID16. SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER BEFORE CORING, CHASING, CUTTING OR REMOVAL OF EXISTING CONCRETE & ENFORCEMENT. SID17. HAVE SUITABLY QUALIFIED STRUCTURAL ENGINEER UNDERTAKE STRUCTURAL CHECK OF
- EXISTING CONCRETE, MASONRY & STUD WALLS WHERE FIXINGS OR EQUIPMENT IS TO BE ATTACHED.
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- AVDIDED, PROVIDE SAFE WORK METHOD STATEMENT ADDRESSING MITIGATION OF RISKS PROVIDE ADEQUATE SIGNAGE TO TEMPORARY & PERMANENT CONFINED SPACES TO AS
- SID20. AVOID HOT WORKS ON SITE PARTICULARLY IN TIMBER FRAMED STRUCTURES. HO WORKS TO COMPLY WITH CLIENT PROCEDURES FOR "APPLICABLE HOT WORKS" PERMITS

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- AB01. ALL ASBESTOS REMOVAL AND ASBESTOS RELATED WORKS TO BE CONDUCTED IN ACCORDANCE WITH WHS REGULATION 2017 AND ASSOCIATED CODES OF PRACTICE AND ACCROMMCE WITH WHS REGULATION 2011 AND ASSOCIATED CODES OF PRACTICE AND GUIDELINES ALCUNE OBLI NOT LIMITED TO SAFETVORE NAZUZA HWY TO MANAGE DUBLIENES ALCUNE OBLI NOT LIMITED TO SAFETVORE NAZUZA HWY TO MANAGE REMOVE ASSESTICS. SAFET WORK METHODOLOGIES SHOLLD OUTLINE SUTRALE CONTROLS TO BE IMPLEMENTED TOLLOMIS CONTROLLING ACCESS TO REMOVAL AREAS METHODOLOGIES TO BE IMPLEMENTED. TOLS AND BUILIPIENT, PERSONAL AREAS METHODOLOGIES TO BE IMPLEMENTED. TOLS AND BUILIPIENT, PERSONAL AREAS
- AB02. ASBESTOS MANAGEMENT PLAN / ASBESTOS REMOVAL MANAGEMENT PLAN (ARCP) SHOULD BE DEVELOPED BY THE CONTRACTOR IN ACCORDANCE SAFEWORK 2022 HOW TO SAFETY REMOVE ASBESTOS.
- AB03. WORKERS PERFORMING ASBESTOS RELATED WORKS AND REMOVAL WORKS ARE TO BE SUITABLY TRAINED TO DO SO IN ACCORDANCE WITH SAFEWORK 2022 HOW TO SAFETY REMOVE ASBESTOS.
- AB04. CLEARANCE INSPECTIONS (AND SAMPLINGISOIL VALIDATION IF REQUIRED) SHOULD BE CARRED OUT IN ACCORDANCE WITH REQUIREMENTS OF SAFEWORK 2022 HOW TO SAFETY REMOVE ASBESTOS.
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- CONTACT DETAILS AND RESPONSIBILITIES
- SOIL AND WATER MANAGEMENT

BROKEN HILL

GHD

- NOISE AND VIBRATION
- WASTE MANAGEMEN DUST AND ODOUR CONTROL
- TRAFFIC MANAGEMENT AND (q)
 - UNEXPECTED FINDS, EMERGENCY RESPONSE AND CONTINGENCY PLAN

| | FIRE WATER PIPEWORK MATERIALS SCHEDULE | | | | | | | | | | |
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| SERVICE | ERVICE LOCATION MATERIAL | | | STANDARD | CLASS | JOINTING | | COMMENTS | | | |
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| | | | ١ | ALVE SELEC | TION SCI | HEDULE | | | | | |
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| WATER MAIN/ | FIRE SERVICE | 100 - 25 | | SLUICE TO AS 2 | 538 | | CAS | [IRON | PROVIDE HEAVY DUTY VALVE BOX (AS PER DETAIL ON DRAWING 12621292.4004) | | |

Drawing HYDRAULIC SERVICES

SHEET 2 OF 2 AND LEGEND

GENERAL NOTES

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Council

City

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LEGEND

EXISTING COLD WATER SERVICE

EXISTING SEWER

- X- X- X- X- EXISTING FIRE HYDRANT SERVICE TO BE MADE REDUNDANT
- PROPOSED COLD WATER SERVICE PROPOSED FIRE HYDRANT SERVICE
- PROPOSED FIRE HYDRANT SERVICE (DEDS WORKS

ABBREVIATIONS

- NOMINAL DIAMETER Ø ASBESTOS CONCRETE AUSTRALIAN STANDARI BROKEN HILL CITY COUNCIL BOLLARD COLD WATER COMPLETE WITH BHCC BOL CW CW DCV DIA DN EX FH FHR FFL FSL IV kPa NOM COMPLETE WITH DOUBLE CHECK VALVE DIAMETER NOMINAL DIAMETER EXISTING FIRE HYDRANT (DUAL HEADED) FIRE HYDRANT (DUAL HEADED) FINISHED FLOOR | EVEL
- FIRE HYDRANT SERVIC

- FIRE HYDRANT SERVICE FINISHED SURFACE LEVEL ISOLATION (SLUICE VALVE KILOPASCAL NOMINAL NOT TO SCALE POLYETHYLENE
- NTS PE PR PRV RFDS RL PROPOSED PRESSURE-REDUCING VALVE ROYAL FLYING DOCTOR SERVICE RELATIVE LEVEL
- SPRING HYDRANT
- SV TYP UNO SLUICE VALVE TYPICAL UNLESS NOTED OTHERWISE
- GENERAL SYMBOLS

1 NOTE LABEL

100

12621292

GHD Tower, Level 3 24 Honevsuckle Drive ewcastle NSW 2300 Australia PO Box 5403 Hunter Rgn Mail Cent. NSW 2310 [61 2 4979 9999 F 61 2 4979 9988

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- CAPPED PIPE ENI ELBOW (PLAN)
- FLOW DIRECTION
- PIPE CONTINUATION EXISTING ISOLATION VALVE PROPOSED ISOLATION VALVE (SLUICE-IN HEAVY DUTY VALVE BOX)

PROPOSED TWIN PILLAR HYDRANT EXISTING IN GROUND SPRING HYDRANT

BROKEN HILL CITY COUNCIL

Status CONSTRUCTION/TENDER

* FIRE HYDRANTS & AC HYDRANT PIPES

- DOUBLE CHECK VALVE ASSEMBLY
- I ∰⊒¶©⊧§ PRESSURE-REDUCING VALVE PRESSURE GAUGE EXISTING PILLAR HYDRANT



Attachment 2 · Airport - Fire its - 4.12.2023 . Final Design (A4 NTS)

SYSTEM - AIRPORT FIRE S S PROJECT QUARTER 2 - A BUDGET REQUEST -

Broken Hill City Council

33 Page (· AIRPORT FIRE { S PROJECT

QUARTER 2 - A

BUDGET REQUEST -

Author

Designer S.ETCHELLS Design Check B.REYNOLDS



EXISTING FIRE HYDRANT SYSTEM TO REMAIN IN SERVICE/FUNCTIONAL EXISTING FIRE HYDRANT SYSTEM TO REMAIN TO SYSTEM PIPELINE REFICULATION, VALVES AND HYDRANTS. ON COMPETION (INCLUDING PRESSURE TESTING) OF THE NEW FIRE HYDRANT SYSTEM, INSTALLATION CONNECTION SHALL BE MADE OF THE EXISTING OUTLET AT THE FUMP CONNECTION SHALL BE MADE TO THE EXISTING OUTLET AT THE PAIR POOL LEAVING THE EXISTING SYSTEM PERLIESS VAULES AT HYDRANTS REDURDANT. VISIBLE AROVE GROUND REDURDANT SYSTEM COMPONENTS SUCH AS VAULES AND PHYDRATS SHALL BE REDURDED AND ASSOCIATED BRINCHES CAPEED BELON GROUND INFERENT TO DRIVING VISITUATION PROCESS ALL JON-FUNCTIONAL SYSTEM COMPONENTS SHALL BE CLARKY VAULELIDSSIGN FOR TO THE LIMITATE CONFUSION

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Author S.ETCHELLS





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Designer S.ETCHELLS Design Check B.REYNOLDS

Drafting Check M.PAGULON

Author S.ETCHELLS





<u>Letetete</u>

SCALE 1:500 AT ORIGINAL SIZE

JP 04.12.2023

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CAUTION

BROKEN HILL CITY COUNCIL

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FIRE HYDRANTS & AC HYDRANT PIPES

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nditions of Use. This document may only be used by GHD's clent (and any other son who GHD has agreed can use this document) for the purpose for which it was owned and must not be used by any other compon or for any other purpose.

BROKEN HILL

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7. ALL NOTED POLYETHYLENE (PE) PIPELINE DIAMETERS ARE (OUTSIDE DIAMETER).



FIRE HYDRANT SYSTEM DESIGN

SHEET 3 OF 3

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Page



| | a | - · | Project | Timeline - Airport | | |
|--------------|--|---------------|--------------|--------------------|---|--------------------|
| Task Mode | Task Name | Duration | Start | Finish | 24 Half 2, 2024 J M M J | Half 1, S N |
| ÷ | Airport - AC Hydrant Pipes - Replacement | 506 days | Fri 17/02/23 | Fri 24/01/25 | | |
| ÷ | Airport - AC Hydrant Pipes - Design | 98 days | Thu 20/07/23 | Mon 4/12/23 | | |
| -5 | Stage 1: Initiation | 269 days | Fri 17/02/23 | Wed 28/02/24 | | |
| - | Project budget submission - Q2 2024 | 1 day | Fri 2/02/24 | Fri 2/02/24 | 0% | |
| 4 | Q2 Submission & approval | 18 days | Mon 5/02/24 | Wed 28/02/24 | 0% | |
| | Stage 2: Project Delivery | 237 days | Thu 29/02/24 | Fri 24/01/25 | r | |
| -5 | Stage 2A: Project Plan & Procurement | 88 days | Thu 29/02/24 | Mon 1/07/24 | r1 0% | |
| - | Project Management Plan | 15 days | Thu 29/02/24 | Wed 20/03/24 | ••••••••••••••••••••••••••••••••••••••• | |
| - | Preparation of RFQ | 10 days | Thu 7/03/24 | Wed 20/03/24 | 0% | |
| - | Peer reviews | 5 days | Thu 21/03/24 | Wed 27/03/24 | 0% | |
| 4 | Advertisement of RFQ | 22 days | Thu 28/03/24 | Fri 26/04/24 | 0% | |
| - | Close of RFQ advertisement | 0 days | Fri 26/04/24 | Fri 26/04/24 | 26/04 | |
| - | Pre-evaluation period - RFIs & Information | 20 days | Mon 29/04/24 | Fri 24/05/24 | 0% | |
| - | Quotes evaluation | 1 day | Mon 27/05/24 | Mon 27/05/24 | 0% | |
| 4 | Council Report - June 2024 | 7 days | Tue 28/05/24 | Wed 5/06/24 | -0%- | |
| - | Council Meeting - June 2024 | 1 day | Wed 26/06/24 | Wed 26/06/24 | 0% | |
| - | Agreement & Purchase order | 3 days | Thu 27/06/24 | Mon 1/07/24 | 0% | |
| - | Stage 3B: Construction Delivery | 120 days | Tue 2/07/24 | Mon 16/12/24 | r | 0% |
| - | Initial project discussion | 5 days | Tue 2/07/24 | Mon 8/07/24 | 0% | |
| - | Prestart documentation | 21 days | Tue 9/07/24 | Tue 6/08/24 | 0% | |
| - | Ordering of materials | 25 days | Tue 9/07/24 | Mon 12/08/24 | 0% | |
| - | Public & Stakeholder Communications | 5 days | Tue 16/07/24 | Mon 22/07/24 | → 0% | |
| - | Contractor lead time | 5 days | Tue 13/08/24 | Mon 19/08/24 | • 0% | |
| - | Site works (16 weeks) | 80 days | Tue 20/08/24 | Mon 9/12/24 | ¥ | 0% |
| - | Quality checks | 5 days | Tue 10/12/24 | Mon 16/12/24 | | × 0% |
| - | Stage 3C: Closing & Handover (BHCC works) | 29 days | Tue 17/12/24 | Fri 24/01/25 | | 1 |
| -> | Final invoice payment | 23 days | Tue 17/12/24 | Thu 16/01/25 | | * |
| - | Project Completion Report | 5 days | Fri 17/01/25 | Thu 23/01/25 | | 1 |
| - | Handover to Asset Management | 1 day | Fri 24/01/25 | Fri 24/01/25 | | |
| | Critical | Split | | Finish-only | Baseline Milestone 👌 Manual Summary | Inactive Task |
| | Critical Split | Task Progress | | Duration-only | Milestone Project Summary | Inactive Milestone |
| | Critical Progress | Manual Task | | Baseline | Summary Progress External Tasks | Inactive Summary |

BUDGET REQUEST - QUARTER 2 - AIRPORT FIRE SYSTEM PIPE REPLACEMENT & HYDRANTS PROJECT

WORKS COMMITTEE

February 1, 2024

ITEM 4

BROKEN HILL CITY COUNCIL REPORT NO. 17/24

SUBJECT:REQUEST FOR FINANCIAL ASSISTANCE TOWARDS THE 2024
WASTE 2 ART PROGRAM AND COMPETITIOND24/5325

Recommendation

- 1. That Broken Hill City Council Report No. 17/24 dated February 1, 2024, be received.
- 2. That Council considers providing a one-off \$3,000.00 grant to the Broken Hill Art Exchange towards the organisation of the 2024 Waste 2 Art Program and Competition.
- 3. That if approved, the funding be facilitated via Council's Community Assistance Grants Program (with funding sourced from Council's Waste and Sustainability budget and included in the Quarterly Budget Review); and the Broken Hill Art Exchange complies with all conditions of the Community Assistance Grants Program in the administration of the grant.
- a) That the Broken Hill Art Exchange be advised of the process to apply in future years to Council's Community Assistance Grants funding towards the Waste 2 Art Program and Competition.

Executive Summary:

Council has received correspondence from the Broken Hill Art Exchange seeking a grant of \$3,000.00 towards the conduct of the 2024 Waste 2 Art Program and Competition in Broken Hill.

Council previously provided financial support to the 2023 Waste 2 Art Program and Competition through a start-up grant provided to Council by NetWaste. This was a one-off grant to Council for the 2023 event which Council provided to the Broken Hill Art Exchange as a start-up grant to assist in facilitating the event whilst in its infancy.

The Broken Hill Art Exchange in partnership with Lifeline Broken Hill Country to Coast will again be facilitating the local competition and are requesting a grant from Council for this year's event. This report is presented to Council to consider the request.

Report:

NetWaste was formed in 1995 as part of the NSW Environment Protection Authority (EPA) funded Regional Networks for Effective Waste Management (RENEW) voluntary group of regional Councils. NetWaste's membership comprises 25 member Councils which cover almost 40% of the state from Lithgow in the east, Broken Hill in the west and north to the Queensland border.

Member Council's include:

- Bathurst
- Blayney
- Bogan
- Bourke
- Brewarrina
- Broken Hill
- Cabonne
- Central Darling
- Cobar

- Coonamble
- Cowra
- Dubbo
- Forbes
- Gilgandra
- Lachlan
- Lithgow
- Midwestern
- Narromide

- Oberon
- Orange
- Parkes
- Walgett
- Warren
- Warrumbungle
- Weddin

NetWaste provides a platform for member Councils to collectively pursue regional benefits and improve outcomes related to waste management. The organisation's goal is to set the benchmark for regional waste management through a range of strategic objectives, including:

- Reducing the amount of waste generated;
- Increasing resource recovery;
- Reducing greenhouse gas emissions;
- Delivering environmentally responsible waste management systems;
- Improving awareness of waste minimization and resource recovery principles' and influencing behavioural change;
- Improving recycling and composting;
- Reducing litter and illegal dumping;
- Managing problem wastes;
- Facilitating information exchange and skills development; and
- Optimising procurement of grant funding.

The Waste 2 Art Program and Competition is a NetWaste initiative to engage communities to think differently about waste that they produce and how various waste items can be reused and repurposed. NetWaste provided start-up grant funding to member Council's last year which was passed onto the Broken Hill Art Exchange and Broken Hill Lifeline to help support the event.

The Waste 2 Art Program and Competition is open to all residents and is very well supported by the community. Last year's local competition amassed 63 entries with 8 art pieces being transported to Blayney for the NetWaste Regional Final competition. Broken Hill won five (5) regional categories with six (6) art pieces receiving high commendations.

The Broken Hill community cast 357 votes for the People's Choice Award for the 2023 entries which demonstrates the level of community engagement in the project. The program also provides mental health and well-being benefits for participants who participate in the workshops and competition, providing connectedness within the community.

The waste theme of the competition for the 2024 Waste 2 Art competition is "Packaging" although it is not essential that participants use the theme material on their entries, any waste products can be used to create the artwork, but no new materials can be used.

The competition aligns with various objectives of Council's Plans and Strategies, in particular:

Broken Hill Community Strategic Plan Objective:

Objective 3.1 - Our environmental footprint is minimised

- 3.1.1 Implement measures to reduce the city's carbon footprint and enhance the circular economy by educating and demonstrating the use of renewable resources.
- 3.1.2 Educate the community on measures to avoid waste and reduce littering and waste to landfill.
- Objective 1.4 Our history, culture and diversity are embrace and celebrated
 - 1.4.4 Sustain and grow arts and culture and events and preserve the importance of our social capital, built heritage and history.
- Objective 1.6 Our health and wellbeing ensure that we live life to the full
 - 1.6.6 Create opportunities for people to participate in cultural, creative and artistic programs, and experience the natural environment to enhance health and wellbeing.

Broken Hill Liveability Strategy Indicators:

Indicator 10 - There is choice in recreation activities for all ages and groups.

Indicator 11 - There is growth and support for culture and the arts in Broken Hill.

Community Assistance Grants Program

Council's Community Assistance Program was developed as a mechanism for the awarding of grants to not-for-profit organisations to provide various services/events/programs which align with the objectives of the Broken Hill Community Strategic Plan and that benefit the local community. Grants are awarded in two (2) rounds each financial year with a budget each round of \$47,250.00.

The request from the Broken Hill Art Exchange should have been directed to Round 2 of 2023/2024 being for events held between 1 January to 30 June 2024. Round 2 closed on 31 October 2023 and grants were awarded and paid in December 2023.

The Broken Hill Art Exchange will be advised to direct any future requests for funding for the Waste 2 Art Program to the application process for the Community Assistance Grants Program.

On this occasion, should Council approve a grant towards the 2024 Waste 2 Art Program, the grant will be facilitated via Council's Community Assistance Grants Program and the funding will be sourced from a Waste and Sustainability budget. All grant program conditions will apply and the Broken Hill Art Exchange will need to abide by the terms of the grant agreement regarding the provision of current financial statements, evidence of public liability insurance, provision of acquittal information, public acknowledgement of Council's grant etc.

Community Engagement:

As a sponsor, Council will promote the Waste 2 Art Program and Competition through its social media channels.

Strategic Direction:

| Key Direction: | 1 | Our Community |
|----------------|-------|---|
| Objective: | 1.1 | Our community spirit is our strength |
| Strategy: | 1.1.4 | Facilitate the celebration of community and cultural events |

| Key Direction: | 3 | Our Environment |
|----------------|-------|---|
| Objective: | 3.1 | Our environmental footprint is minimised |
| Strategy: | 3.1.1 | Ensure delivery of relevant environmental strategies and policies |

Relevant Legislation:

Nil

Financial Implications:

If approved, a grant of \$3,000.00 will be included in the quarterly budget review.

Attachments

1. J Correspondence from Broken Hill Art Exchange

CODIE HOWARD DIRECTOR INFRASTRUCTURE AND ENVIRONMENT

JAY NANKIVELL GENERAL MANAGER



Broken Hill Art Exchange 313 Argent St Broken Hill NSW 2880 Australia info@brokenhillartexchange.org.au https://www.brokenhillartexchange.org.au

Mayor Kennedy Broken Hill City Council 240 Blende St Broken Hill NSW 2880

29 January 2024

Dear Mayor Kennedy

Re: Waste 2 Art Broken Hill 2023

In 2023 The Broken Hill Art Exchange and Lifeline Broken Hill Country to Coast planned and ran the Waste 2 Art program and competition, supported by funding from Netwaste the regional competition organisers. The program was a resounding success, and we are busy planning 2024 and write to you to request \$3,000 in funding support from Broken Hill City Council to run this year's program.

Few programs deliver the impact across the community that Waste to Art does combining education in sustainability with creative practice. The competition is designed to bring community awareness to sustainable practices, waste reduction and repurposing and is an excellent medium to influence community behaviours in a non-confrontational manner. The art competition is inclusive, there are categories for primary school, high school, community and professional artists covering 2D and 3D art which means children and non-artists get the opportunity to create art and see it exhibited. The 2023 exhibition delighted the community; there was excellent feedback from visitors, and it was the talk of the town.

The program supports Councils' strategic goals in three focus areas highlighted in the Liveability Strategy 2043 including Liveability Indicator 10 (A Choice for Recreational Activities for All Ages and Groups), Liveability Indicator 11 (Growth and Support for Culture and Arts) by providing the community with arts and culture that promote a strong sense of identity and belonging to the City, a program of arts education opportunities and arts event and the opportunity to strengthen and showcase the arts and cultural networks across the broader Far West Region. The program also supports Councils' strategic goals in Liveability Indicator 7 (a Healthy and Resilient City) by providing education and outreach to the community focused on changing behaviours and reducing waste that is collected in local tips.

We were overwhelmed by the success of the 2023 program, a testament to the volunteers from Lifeline Broken Hill, Country to Coast and the Art Exchange working hard and collaboratively in their spare time with tremendous support from the media and the community. Some stats and benefits from the 2023 program include:

- 4 Community Workshops ran at the Art Exchange and facilitated by Artists, teaching the community how to use waste to create artwork. These were free for attendees entering the Waste 2 Art Competition.
- 63 Entries across sectors of primary school, high school, community and professional artists. Entries were an exceptionally high quality making the Judges' decisions very hard.
- A 2-week exhibition at the Tip Shop, driving revenue and visitation which funds essential local services. People went to the Tip Shop for the first time and discovered this gem of a shop and community hub that funds local services.
- 357 votes were cast for the People's Choice Award demonstrating the level of community engagement.





- 8 Winners were transported to Blayney for the Netwaste Regional Final, competing against entries from different regional Councils that have tenured experience running the competition.
- Broken Hill won five regional categories with six pieces highly commended. Our Council received the highest number
 of prizes which is excellent PR and confirms our reputation as the arts capital of regional NSW.
- The program engaged the community and raised awareness of waste avoidance and repurposing of waste to avoid it going to landfill. Many conversations were had with entrants and the public about how much awareness this program generated.
- The program delivered great mental health and well-being benefits on a personal level to various members of the
 community who participated in the competition and workshops. These include anecdotal stories which as the disabled
 teenager getting great joy from expressing himself through art and winning a prize, the inmates at the Correctional
 Centre who worked on a collaborative piece that was sent to the regional final and the pensioner who was able to
 reconnect with the community via the creative workshops after withdrawal and isolation following depression.
- Project management funds supporting two not-for-profits that do valuable work in the community and rely on volunteers.

Taking learnings from 2023 we are planning to run the event in 2024 and need to make the announcement around the 12th of February. We are planning some enhancements and new considerations including:

- Improved outreach to Schools, art teachers and youth groups to increase entries from primary and secondary school children. This has the bonus of introducing young minds to sustainable practices and waste reduction.
- A two-venue exhibition with works displayed at the Tip Shop and indoor sculptures displayed at the Art Exchange, The Grand on Argent Street which will open for some evenings and weekends over two weeks. This improves accessibility for community members who are not able to get out to the Tip Shop and means we can display more work inside and if necessary, handle increased entry numbers.
- More education on waste and sustainability. This was a plan for the last program but with limited capacity, we were not able to dedicate the time. For 2024 we have a new team member to help us with marketing and she will be able to dedicate some energy to this. The plan is also to engage with Marisa to understand Council waste challenges, priorities and facilities so we can support her with community engagement.
- Confirming sponsors early so all logos can go onto all the posters around town.
- Sourcing a courier to transport the artworks to Parkes for the regional final, Netwaste has capped the funding to \$500
 which will not cover the delivery and collection, so we need to find a solution.

I am sure you agree that Waste 2 Art is a fantastic program for Broken Hill. The community is excited for it to happen again, and we would love your financial support so we can organise 2024 and are looking for funding of \$3,000.

Please do not hesitate to contact Nadina if you have any questions and thank you in advance for your consideration.

Yours sincerely,

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