

Memo

To: Brisbane City Council

From: Steve Novak

Subject: 48 Eagleview place, Eagle Farm – Engineering Memo

Our ref: PS130139-MEM-CIV_Engineering Memo - 48 Eagleview
PI_RevA_20220421

Date: 22 April 2022

1. Introduction

The proposed extension to the existing infill development at 48 Eagleview place, Eagle Farm is a 735m² increase in size of the existing warehouse facility located in the southwest corner of the 10,970m² block on a previously unused portion of the land. The works will include associated concrete paving and carparking works to allow for vehicle access and additional parking.



Figure 1 - Site Locality Plan

Level 12, 900 Ann Street
Fortitude Valley QLD 4006
GPO Box 2907
Brisbane QLD 4001

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Fax: +61 7 3854 6500
www.wsp.com

WSP acknowledges that every project we work on takes place on First Peoples lands.
We recognise Aboriginal and Torres Strait Islander Peoples as the first scientists and engineers and pay our respects to Elders past and present.

2. Stormwater Quantity

2.1 Stormwater Quantity Management

To ensure the proposed development's stormwater runoff will not cause an actionable nuisance to downstream properties, existing and developed stormwater peak flows from the proposed developable areas have been calculated and analysed. These have been modelled using the hydraulic software DRAINS. The ILSAX hydrological model was used in the DRAINS analysis. The ILSAX hydrological model uses hydrological losses and depression storage.

The worst-case scenario, being a 1% AEP storm, results in the proposed extension northern roof catchment producing 25L/s and southern roof catchment producing 35L/s. This is an increase of 5L/s and 6L/s over the existing site conditions in the worse-case scenario.

As per BCC City Plan Schedule 6 Chapter 7 Stormwater Drainage, Section 7.5.2 states stormwater detention is unlikely to be required at the bottom one-third of the catchment. Due to the limited volumes being produced by the development, and the proximity to the Brisbane River, stormwater quantity controls are not required.

2.2 Proposed Infrastructure

The proposed stormwater network involves the installation of a minor pit and pipe network to capture the new site runoff from the extension. Roof water will be captured by downpipes and discharged in new pipes to the existing internal stormwater infrastructure within the site. The stormwater will then be discharged to the existing lawful point of discharge, primarily being the swale drainage to the east of the site. The preliminary infrastructure layout can be found at Appendix A.

3. Stormwater Quality

Due to the limited size of the proposed extension in an otherwise fully developed impervious precinct, this area has likely already been considered fully impervious at a precinct level. Furthermore, due to the proposed structure, limited runoff could be appropriately captured for stormwater quality purposes and a redesign of the existing stormwater infrastructure would be required to allow for appropriate capture. Incorporation of water quality treatment infrastructure is therefore not recommended and has not been included in the proposed design.

4. Flooding

A BCC Flood Wise property report has been generated, and the development site is indicated as impacted by flood events. The results suggest a defined flood event level of 2.5mAHD during 1%AEP stormtide events. Expected FFL of the building has yet to be provided, however the existing levels suggest a floor level of 2.9mAHD would be expected. The flood Wise report suggests contacting BCC to confirm a minimum habitable floor level, but the extension will likely tie in with the existing structure and determine the proposed floor levels as such. The Flood Wise report has been attached in Appendix B.

5. Engineering

5.1 Site Grading and Vehicle Access

The site is an existing infill site graded to tie in with the existing street levels and surrounding properties. The existing levels range from a low point of 2.5mAHD at the north-west site entry at 48 Eagleview Place, to a high point of 3mAHD at the centre of the block. The site also falls back to 2.5mAHD at the south-east corner.

An existing concrete driveway has been constructed at the north-west corner of the site from Eagleview Place, which provides access to the existing structures and associated carparking.

Preliminary bulk earthworks volumes and finished floor levels are to be established as the design develops.

A Traffic Impact Assessment has also been provided in a separate report by WSP (PS130139-P&M-REP-001_RevB, dated 19 April 2022).

6. Erosion and Sediment Control

6.1 Site Controls

The erosion and sediment control measures will be designed during the detail design stage to include in the building contract. The contractor will engage a RPEQ or CPESC engineer to design and certify the required erosion and sediment control mitigation measures. It will be the responsibility of the contractor to implement and maintain an erosion and sediment control plan during the construction and on-maintenance period.

6.2 General Requirements

All erosion and sediment control measures are required to be installed and functional prior to works commencing. The following implementation sequence shall be adopted where practicable with the construction program. Plans shall be updated, and measures moved and reinstated to reflect the progression of the works.

A site-based Erosion and Sediment Control Management Plan will be required and implemented under the direct supervision of a Registered Professional Engineer of Queensland. Indicative ESC measures will be required on the detailed design drawings and a final Erosion and Sediment Control Management Plan (ESCMP) shall be prepared by the Contractor as part of the Construction Management Plan for the information of the relevant parties prior to the Pre-start Meeting. The ESCMP to be generally in accordance with Best Practice Erosion & Sediment Control Document published by International Erosion Control Association (Australasia) 2008.

The contractor is, at all times, responsible for the establishment, management and maintenance of the erosion and sediment control measures, to ensure minimal environmental harm and to comply with Council's standards.

Once the site is stripped, the contractor will need to ensure that sediment is not washed into drains and that the loose dense silty sand and clays are not eroded away and bypass the site. Sediment fencing around the area of works and to direct the flows needs to be provided.

The preliminary erosion and sediment control plan can be found at Appendix A.

7. Conclusion

The proposed extension to the existing building at 48 Eagleview Place, Eagle Farm will incorporate new stormwater infrastructure to appropriately discharge the roof water, associated concrete pavement and carpark works to support the additional warehouse space, and limited earthworks and changes to existing site levels. Further details will be developed at the next stage of design.

Yours sincerely

A handwritten signature in black ink, appearing to be 'S. Novak', with a horizontal line extending to the right.

Steve Novak
B.Eng (Civil), RPEQ, MIEAust, CPEng,
Civil Director for WSP Australia Pty Ltd



Appendix A CIVIL ENGINEERING DRAWINGS

48 EAGLEVIEW PLACE

EAGLEFARM, QUEENSLAND 4009

CIVIL DESIGN DRAWINGS



LOCALITY PLAN
NTS - IMAGE SOURCE GOOGLE MAPS 2022

DRAWING SCHEDULE	
DRAWING No.	DRAWING TITLE
C000	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
C001	PROJECT NOTES
C010	EROSION AND SEDIMENT CONTROL LAYOUT PLAN
C011	EROSION AND SEDIMENT CONTROL NOTE AND DETAILS
C030	PAVEMENT JOINTING LAYOUT PLAN
C040	STORMWATER DRAINAGE LAYOUT PLAN
C050	CIVIL DETAILS SHEET



SERVICE CLASHES
CONTRACTOR TO REFER TO SERVICES DOCUMENTATION AND LIASE WITH THE RELEVANT AUTHORITY TO MITIGATE ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVIDED ON SITE BY CIVIL CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS. ALL EXISTING SERVICES ARE SHOWN.

REV	DATE	BY	DESCRIPTION	CHK	APP
P1	20/09/2022	FM	PRELIMINARY	JF	JF
DRAWING STATUS: PRELIMINARY					
PRELIMINARY ISSUE NOT TO BE USED FOR CONSTRUCTION					



CLIENT	RUSCO INVESTMENTS PTY LTD
ARCHITECT	REALSERVE

PROJECTS	48 EAGLEVIEW PLACE EAGLE FARM, QLD 4009
TITLE	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE

SCALE: 1:1	N/A	CHECKED: JF	APPROVED: JF
PROJECT NUMBER	PS10039	DRAWN: FM	DATE: 22/09/2022
DRAWING No	C000	REV:	P1
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DO NOT SCALE



LEGEND

PROPOSED BUILDING AREA

PROPOSED STABILISED SITE ENTRY/EXIT

PROPOSED SEDIMENT FENCE

PROPOSED INLET SEDIMENT TRAP

NOTES

1. SEDIMENT AND CONTROL MEASURES SHOWN ON THIS PLAN ARE PREPARED AS A GUIDE FOR THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PROTECTION MEASURES AS REQUIRED BY LAW, THE COUNCIL AND THE CONTRACTOR'S INSURANCE POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PROTECTION MEASURES AS REQUIRED BY LAW, THE COUNCIL AND THE CONTRACTOR'S INSURANCE POLICY.
2. NO WATER TO LEAVE SITE UNTIL THE SITE HAS 70% COVER/STABILISATION.
3. USE DETENTION TANK EXCAVATION AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION.
4. FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS REFER DMC 0111.

1
RP135384

8
RP898828

9
RP898827

1
RP852694

CP
SP114559

EAGLEVIEW PLACE

INDICATIVE ALIGNMENT OF EXISTING
STORMWATER DRAINAGE PIPE

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FOR OBTAINING ALL NECESSARY PERMITS AND PROTECTION
MEASURES AS REQUIRED BY LAW, THE COUNCIL AND THE
CONTRACTOR'S INSURANCE POLICY.



CLIENT
RUSSO INVESTMENTS
PTY LTD
ARCHITECT
REAL SERVE

PROJECT
48 EAGLEVIEW PLACE
EAGLE FARM, QLD 4009
PROJECT NUMBER
PSS10039
DRAWN BY
C010
CHECKED
JF
DATE
22/04/2022
REV
P1

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EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING SPECIFICATIONS AND ANY OTHER DOCUMENTS REFERRED TO IN THE SPECIFICATIONS.
2. THE PERMANENT DRAINAGE SYSTEM SHALL BE PREVENTED FROM INTERFERING WITH THE EROSION AND SEDIMENT CONTROL MEASURES.
3. ALL PERMANENT DRAINAGE SYSTEMS SHALL BE DESIGNED TO MAINTAIN THE EROSION AND SEDIMENT CONTROL MEASURES.
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RECOMMENDED IMPLEMENTATION SEQUENCE

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DESIGNED TO MAINTAIN THE EROSION AND SEDIMENT CONTROL MEASURES.
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CONTROL MEASURES

1. FINAL SITE LANDSCAPING SHALL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS OF CONSTRUCTION COMPLETION.
2. WHEN WATER SHALL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM BY USING A 1:1 PROTECTION.
3. ALL PERMANENT DRAINAGE SYSTEMS SHALL BE DESIGNED TO MAINTAIN THE EROSION AND SEDIMENT CONTROL MEASURES.
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DUST CONTROL

1. DURING WINDY AND DRY WEATHER ANY UNPROTECTED AREAS SHALL BE COVERED WITH A DUST SUPPRESSANT.
2. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DESIGNED TO MAINTAIN THE EROSION AND SEDIMENT CONTROL MEASURES.
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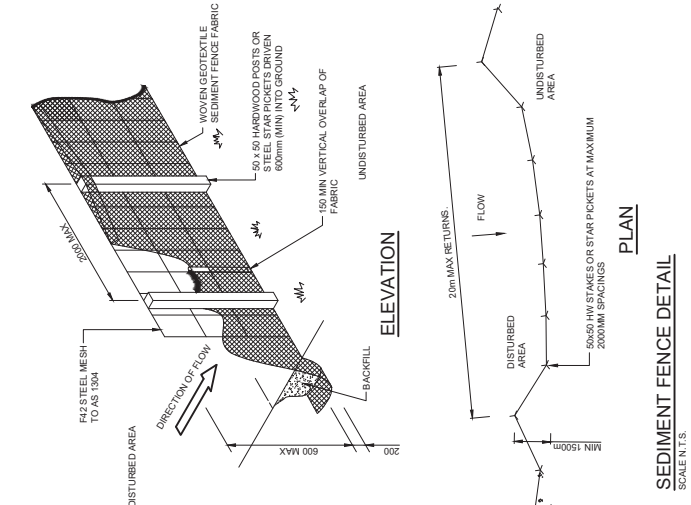
OTHER MATTERS

1. ACCEPTABLE RECEPTORS AND DISPOSAL PRACTICES WILL BE USED FOR CONCRETE AND MORTAR SLURRIES, EXCESS GROUT, EXCESS WASHES, LITTER AND GENERAL WASTE MATERIALS.
2. ANY EXISTING TREES WHICH ARE NOT REQUIRED OR APPROVED TO BE CLEARED FOR THE WORKS AND/OR WHICH ARE NOT TO BE REMOVED SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
3. a. PROTECTING THEM WITH BARRIER FENCING
4. b. ENSURING NOTHING IS NAILED TO THEM
5. c. PROHIBITING PAVING, GRADING OR PLACING MATERIALS WITHIN THE PROTECTED AREA
6. d. ALL VEHICLES, STATIONARIES OR TRAILERS MUST BE KEPT OUT OF THE PROTECTED AREA
7. e. ALL VEHICLES, STATIONARIES OR TRAILERS MUST BE KEPT OUT OF THE PROTECTED AREA
8. f. ALL VEHICLES, STATIONARIES OR TRAILERS MUST BE KEPT OUT OF THE PROTECTED AREA
9. g. ALL VEHICLES, STATIONARIES OR TRAILERS MUST BE KEPT OUT OF THE PROTECTED AREA
10. h. ALL VEHICLES, STATIONARIES OR TRAILERS MUST BE KEPT OUT OF THE PROTECTED AREA

SITE INSPECTION AND MAINTENANCE

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED REGULARLY, IMMEDIATELY BEFORE SITE CLOSURE.
2. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED REGULARLY, IMMEDIATELY BEFORE SITE CLOSURE.
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DO NOT SCALE

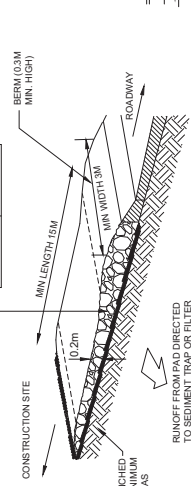


DIVERSION MOUND / BUNDWALL DETAIL

SCALE N.T.S.

1. TOP OF SEDIMENT FENCE SHALL BE FLUSH WITH TOP OF GEOTEXTILE FABRIC WITH NO VERTICAL BARS PROTRUDING PAST TOP OF SEDIMENT FENCE.
2. TOP OF SEDIMENT FENCE SHALL BE FLUSH WITH TOP OF GEOTEXTILE FABRIC WITH NO VERTICAL BARS PROTRUDING PAST TOP OF SEDIMENT FENCE.
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6. TOP OF SEDIMENT FENCE SHALL BE FLUSH WITH TOP OF GEOTEXTILE FABRIC WITH NO VERTICAL BARS PROTRUDING PAST TOP OF SEDIMENT FENCE.

SEIVE SIZE	% PASSING
75.0	100
37.5	60-70
25.0	0



TEMPORARY STABILISED SITE ENTRY/EXIT (ROCK)

SCALE N.T.S.

1. STABILISED ACCESS SHOULD BE CLEANED AND MAINTAINED AFTER EVERY RAINFALL EVENT (15mm) AND WHEN SEDIMENT ACCUMULATION IS NOTED.
2. FINE ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM AGGREGATE REGULARLY.

SERVICE CLASHES

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WARNING

REUSE OF UNDERGROUND SERVICES

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REV	DATE	BY	DESCRIPTION	CHK	APP
P1	20/03/2022	FM	PRELIMINARY ISSUE		

NOT TO BE USED FOR CONSTRUCTION

russo

RUSSO INVESTMENTS PTY LTD

REAL SERVE

18p://www.russo.com

PROJECTS	SCALE	AL	CL	CH	CH	CH	CH	CH	CH
48 EAGLEVIEW PLACE EAGLE FARM, QLD 4009	1:250	JF	JF	JF	JF	JF	JF	JF	JF

TITLE	PROJECT NUMBER	DATE	REV
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	PS10039	FM	22/04/2022

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PROPOSED HEAVY DUTY
CONCRETE PAVEMENT - REFER DETAIL

PROPOSED PEDESTRIAN
CONCRETE PAVEMENT - REFER DETAIL

PROPOSED LANDSCAPE AREA
REFER LANDSCAPE PLANS FOR DETAILS

PROPOSED SAW CUT LINE

PROPOSED BARRIER KERB

1. ALL CHANGERS TO BE MIN 50mm LONG OR AS SHOWN ON THE DRAWING.
2. SAW CUTTING TO BE PERFORMED AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY, TO PREVENT EXCESSIVE CRIPPLING, SPALLING OR TEARING REBARS OF TIME OR WEATHER CONDITIONS.
3. IF THERE IS ANY CRACKING OF SLAB CHANGES TO JOINTS, JOINTS WILL NOT BE ACCEPTED AND SHALL BE REMOVED AND REPLACED. RESEE SPECIFICATION. JOINTS OF SLAB CURING, SAW CUTTING AND JOINT FINISHING.
4. DO NOT STORE MATERIALS ON NEW PAVEMENTS THAT MAY CAUSE STAINING. DO NOT TRAFFIC PAVEMENTS 1.5 THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL MATERIALS ARE PROTECTED FROM THE REBARS TO PREVENT CRACKING OF STORMWATER.
5. ALL LOWER CONCRETE WITH THE REBARS TO BE PROTECTED FROM THE CRACKING OF STORMWATER.
6. LONGER CONCRETE TO BE CUT TO SPECIFIED DEPTH TO FULL WIDTH OF ALL SLABS.



NOTES:

1. CONTROL JOINTS AT 3m CENTRES, 30mm DEEP x 6mm WIDE RECESS, SAW CUT OR CRACK INDUCER 25mm DEEP OR KEY JOINT.
2. EXPANSION JOINTS AT 18m MAX CENTRES, 10mm THICK, FULL DEPTH CLOSED CELL CROSS LINKED POLYETHYLENE FOAM (85-150kg/m³)

REV	DATE	BY	DESCRIPTION	DATE	BY
P1	22/04/2022	RM	PRELIMINARY		

PRELIMINARY ISSUE
NOT TO BE RE-USED FOR CONSTRUCTION

OWNER'S STATUS

DATE



SERVICE CLASHES
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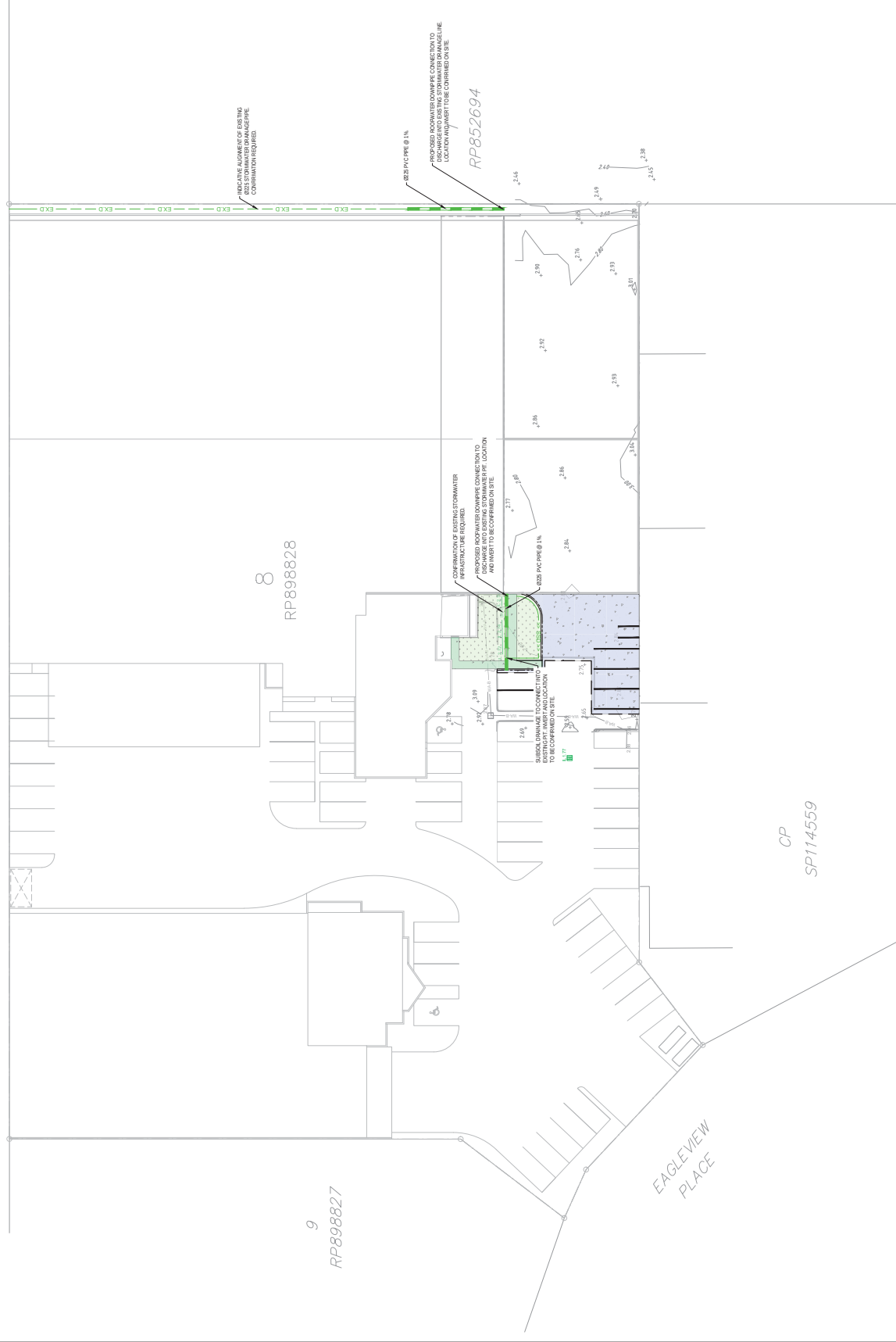
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 http://www.wsp.com	CLIENT	RUSCO INVESTMENTS PTY. LTD	PROJECTS	48 EAGLEVIEW PLACE EAGLE FARM, QLD 4009
	ARCHITECT	REALSERVE	TITLE	PAVEMENT LAYOUT PLAN

http://www.usn.com

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RP135384



LEGEND

- SW-B — EXISTING STORMWATER DRAINAGE (SURVEY)
- EX-D — EXISTING STORMWATER DRAINAGE (INDICATIVE)
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED SUBSOL DRAINAGE

		RUSSO INVESTMENTS PTY LTD		PROJECT 48 48 EAGLEVIEW PLACE EAGLE FARM, QLD 4009		SCALE 1:250 PROJECT NUMBER PS10139		DATE 22/04/2022		DRAWN BY P1		CHECKED BY P1		© WSP Australia Pty Ltd	
PRELIMINARY ISSUE NOT TO BE USED FOR CONSTRUCTION		PROJECT NAME 48 EAGLEVIEW PLACE EAGLE FARM, QLD 4009		PROJECT NUMBER PS10139		SCALE 1:250		DATE 22/04/2022		DRAWN BY P1		CHECKED BY P1		© WSP Australia Pty Ltd	

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SCALE 1:10



SCALE 1:10



POUR OVER)



SERVICE CLASHES
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[illegible]



Appendix B BCC FLOOD WISE REPORT



Brisbane City Council FloodWise Property Report

Report Reference

1650499213610

21/04/2022 10:00:13

Dedicated to a better Brisbane

THIS REPORT IS FOR BUILDING AND DEVELOPMENT PURPOSES ONLY

The FloodWise Property Report provides property or lot-based flood information for building and development requirements. This report provides information on estimated flood levels, habitable floor level requirements and more technical information on the four sources of flooding: river, creek / waterway, storm tide and overland flow. Refer to the Useful Definitions section for a glossary of terms.

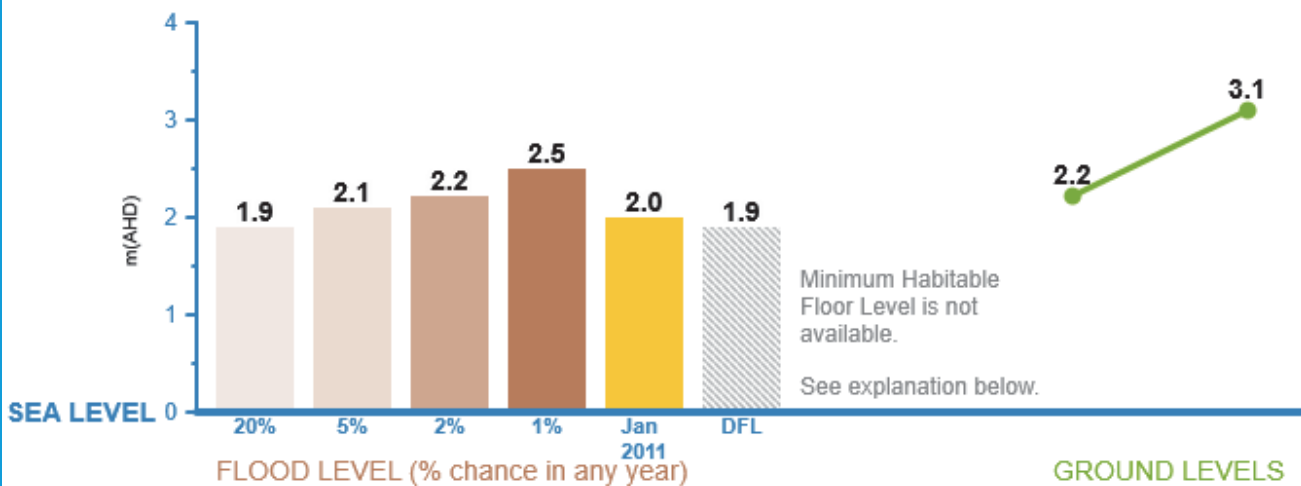
To find out more about how the contents of this report may affect building or development on this property, please visit www.brisbane.qld.gov.au/planning-building. For more general information about understanding your flood risk and how to prepare your property, family or business for potential flooding visit www.brisbane.qld.gov.au/beprepared

THIS IS A REPORT FOR:

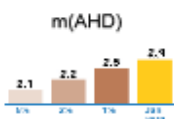
Rateable Address: 46 EAGLEVIEW PL, EAGLE FARM QLD 4009

Lot Details: L.8 RP.898828

FLOOD LEVEL INFORMATION



EXPLANATION



m(AHD) - Metres Australia Height Datum. The level of 0.0m AHD is approximately mean sea level.

Flood Levels - The Flood level bar chart above shows the possible flooding level and percentage chance of that level being reached or exceeded in any year. If an orange bar shows, it is the calculated January 2011 flood level at this address or lot. Refer to 'Useful Definitions' for further information.

Minimum Habitable Floor Level - Applies to residential development only. Please refer to Council's planning scheme to learn how this may affect you. If a property is in an overland flow path, or a large allotment, a minimum habitable floor level cannot be provided. Refer flood and planning development flags below.

Ground Levels - The green line above shows this property's approximate lowest and highest ground levels based on latest available information (2019 airborne laser survey) to Council. If you are building, please confirm with a surveyor.

For further information and definitions please refer to the Useful Definitions page

FLOOD AND PLANNING DEVELOPMENT FLAGS

DEVELOPMENT
FLAG(S)

This property may also be affected by one or more flood or property development overlays or flags. These include: LARGE ALLOTMENT, WATERWAY CORRIDOR

Please review the technical summary over page and refer to Council's planning scheme for further information.



Brisbane City Council FloodWise Property Report

Report Reference

1650499213610

21/04/2022 10:00:13

Dedicated to a better Brisbane

TECHNICAL SUMMARY

This section of the FloodWise Property Report contains more detailed flood information for this property so surveyors, builders, certifiers, architects and engineers can plan and build in accordance with Council's planning scheme. For more information about building and development in Brisbane please visit www.brisbane.qld.gov.au/planning-building or talk to a Development Assessment Planning Information Officer via Council's Contact Centre on (07) 3403 8888.

THIS IS A REPORT FOR:

Rateable Address: 46 EAGLEVIEW PL, EAGLE FARM QLD 4009

Lot Details: L.8 RP.898828

PROPERTY INFORMATION (Summary)

The following table provides a summary of flood information for this property. More detailed flood level information is provided in the following sections of this report.

PROPERTY SUMMARY	LEVEL (mAHD)
Minimum Ground Level	2.2
Maximum Ground Level	3.1
Min Habitable Floor Level	Contact Council
Defined Flood Event Level	2.5
Defined Flood Event Level Source	STORMTIDE
Source of Highest Flooding	STORMTIDE
Flooding may also occur from	STORMTIDE,RIVER

ESTIMATED PEAK FLOODING LEVELS

The table below displays the peak estimated flood levels by probability for this property. Estimated flood level data should be used in conjunction with applicable planning scheme requirements - Refer to Flood Planning Development Information.

Note that the overland flow flooding level maybe higher than the levels below from other sources.

DESCRIPTION	LEVEL (mAHD)	SOURCE
20% AEP	1.9	STORMTIDE
5% AEP	2.1	STORMTIDE
2% AEP	2.2	STORMTIDE
1% AEP	2.5	STORMTIDE
1% AEP	2.1	RIVER
January 2011	2.0	RIVER
DFL	1.9	RIVER
RFL	2.1	RIVER

FLOOD PLANNING DEVELOPMENT INFORMATION

This section of the FloodWise Property Report contains information about Council's planning scheme overlays. Overlays identify areas within the planning scheme that reflect distinct themes that may include constrained land and/or areas sensitive to the effects of development.

FLOOD OVERLAY CODE

The Flood overlay code of Council's planning scheme uses the following information to provide guidelines when developing properties. The table below summarises the Flood Planning Areas (FPAs) that apply to this property. Development guidelines for the FPAs are explained in Council's planning scheme, which is available from www.brisbane.qld.gov.au/planning-building.

FLOOD PLANNING AREAS (FPA)		
RIVER	CREEK/WATERWAY	OVERLAND FLOW
FPA5		Not Applicable

COASTAL HAZARD OVERLAY CODE

The coastal hazard overlay code of Council's planning scheme uses the following information to provide guidelines when conducting new development. The table below summarises the coastal hazard categories that apply to this property. Development guidelines for the following coastal hazard overlay sub-categories are explained in the planning scheme, which is available from www.brisbane.qld.gov.au/planning-building.

COASTAL HAZARD OVERLAY SUB-CATEGORIES
Medium Storm Tide Inundation Area

NOTE: Where land is identified within one or more flood planning area on the Flood Overlay, or is identified within a Storm Tide Inundation area on the Coastal Hazard Overlay, the assessment criteria that provide the highest level of protection from any source of flooding applies.

PROPERTY DEVELOPMENT FLAGS

Waterway Corridor - This property may also be located within a mapped waterway corridor as identified in the waterway corridors overlay map of Council's planning scheme. Please consider this in conjunction with Council's planning scheme requirements.

Large Allotment - This property is either a Large Allotment of over 1000 square metres or is located within a Large Allotment. Flood levels may vary significantly across allotments of this size. Further investigations may be warranted in determining the variation in flood levels and the minimum habitable floor level across the site. For more information or advice, it is recommended you engage a Registered Professional Engineer of Queensland.



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Useful Definitions

Australian Height Datum (AHD) - The reference level for defining ground levels in Australia. The level of 0.0m AHD is approximately mean sea level.

Annual Exceedance Probability (AEP) - The probability of a flood event of a given size occurring in any one year, usually expressed as a percentage annual chance.

Defined Flood Level (DFL) - The DFL for Brisbane River flooding is a level of 3.7m AHD at the Brisbane City Gauge based on a flow of 6,800 m³/s.

Maximum and Minimum Ground Level - Highest and lowest ground levels on the property based on available ground level information. A Registered Surveyor can confirm exact ground levels.

Minimum Habitable Floor Level - The minimum level in metres AHD at which habitable areas of development (generally including bedrooms, living rooms, kitchen, study, family and rumpus rooms) must be constructed.

Council's Planning Scheme - The City Plan (planning scheme) has been prepared in accordance with the Sustainable Planning Act as a framework for managing development in a way that advances the purpose of the Act. In seeking to achieve this purpose, the planning scheme sets out the Council's intention for future development in the planning scheme area, over the next 20 years.

Residential Flood Level (RFL) - Residential flood level (RFL) for the Brisbane River flooding equates to the 1% Annual Exceedance Probability flood level.

Rateable Address - A Lot or Property may have more than one street address. The address shown on this report is the address used by Council for the Lot or property selected.

Property - A property will contain 1 or more lots. The **Multiple Lot Warning** is shown if you have selected a property that contains multiple lots.

Brisbane City Council's Online Flood Tools

Council provides a number of online flood tools:

- to guide planning and development
- to help residents and businesses understand their flood risk and prepare for flooding.

Planning and Development Online Flood Tools

Council's online flood tools for planning and development purposes include:

- FloodWise Property Report
- Flood Overlay Code

For more information on Council's planning scheme and online flood tools for planning and development:

- phone 07 3403 8888 to talk to a Development Assessment Customer Liaison Officer
- visit www.brisbane.qld.gov.au/planning-building
- visit a Regional Business Centre.

Helping residents and businesses be prepared for flooding

Council has a range of free tools and information to help residents and businesses understand potential flood risks and how to be prepared. This includes:

- Flood Awareness Map
- Flooding in Brisbane - A Guide for Residents
- Flooding in Brisbane - A Guide for Businesses
- Early Warning Alert Service. Visit www.brisbane.qld.gov.au/earlywarning to register for email, home phone or SMS severe weather alert updates.

Note: The Flood Awareness Map shows four levels of flood likelihood from high likelihood (flooding is very likely to occur) through to very low likelihood (very rare and extreme flood events).

For more information on Council's online flood tools for residents and business:

- Visit www.brisbane.qld.gov.au/beprepared
- Phone (07) 3403 8888.



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Disclaimer

1. Defined Flood Levels and Residential Flood Levels, and the Minimum Habitable Floor Levels are determined from the best available information to Council at the date of issue. These flood levels, for a particular property, may change if more detailed information becomes available or changes are made in the method of calculating flood levels.
2. Council makes no warranty or representation regarding the accuracy or completeness of a FloodWise Property report. Council disclaims any responsibility or liability in relation to the use or reliance by any person on a FloodWise Property Report.



Planning to build or renovate?

For information, guidelines, tools and resources to help you track, plan or apply for your development visit www.brisbane.qld.gov.au/planning-building

You can also find the Brisbane City Plan 2014 and Neighbourhood Plans as well as other information and training videos to help with your building and development plans.