## Appendix 8 - Flood Hazard - Proposed Scenario

KEY:

- Building

Flood Hazard

- Low Hazard
- Transitional Hazard
- High Hazard

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

WSP Australia Pty Limited
680 George Street
Sydney, NSW
2000 Australia
www.wsp.com

# Waterloo - OSD

## Proposed - Flood Hazard

## 20 year ARI

Scale: 1:1 | 20/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-20 14:35:48 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Flood Hazard.qgz

KEY:

- Building

Flood Hazard

- Low Hazard
- Transitional Hazard
- High Hazard

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

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# Waterloo - OSD

## Proposed - Flood Hazard

## 100 year ARI

Scale: 1:1000 | 20/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-20 14:35:59 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Flood Hazard.qgz

KEY:

- Building

Flood Hazard

- Low Hazard
- Transitional Hazard
- High Hazard

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

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# Waterloo - OSD

## Proposed - Flood Hazard

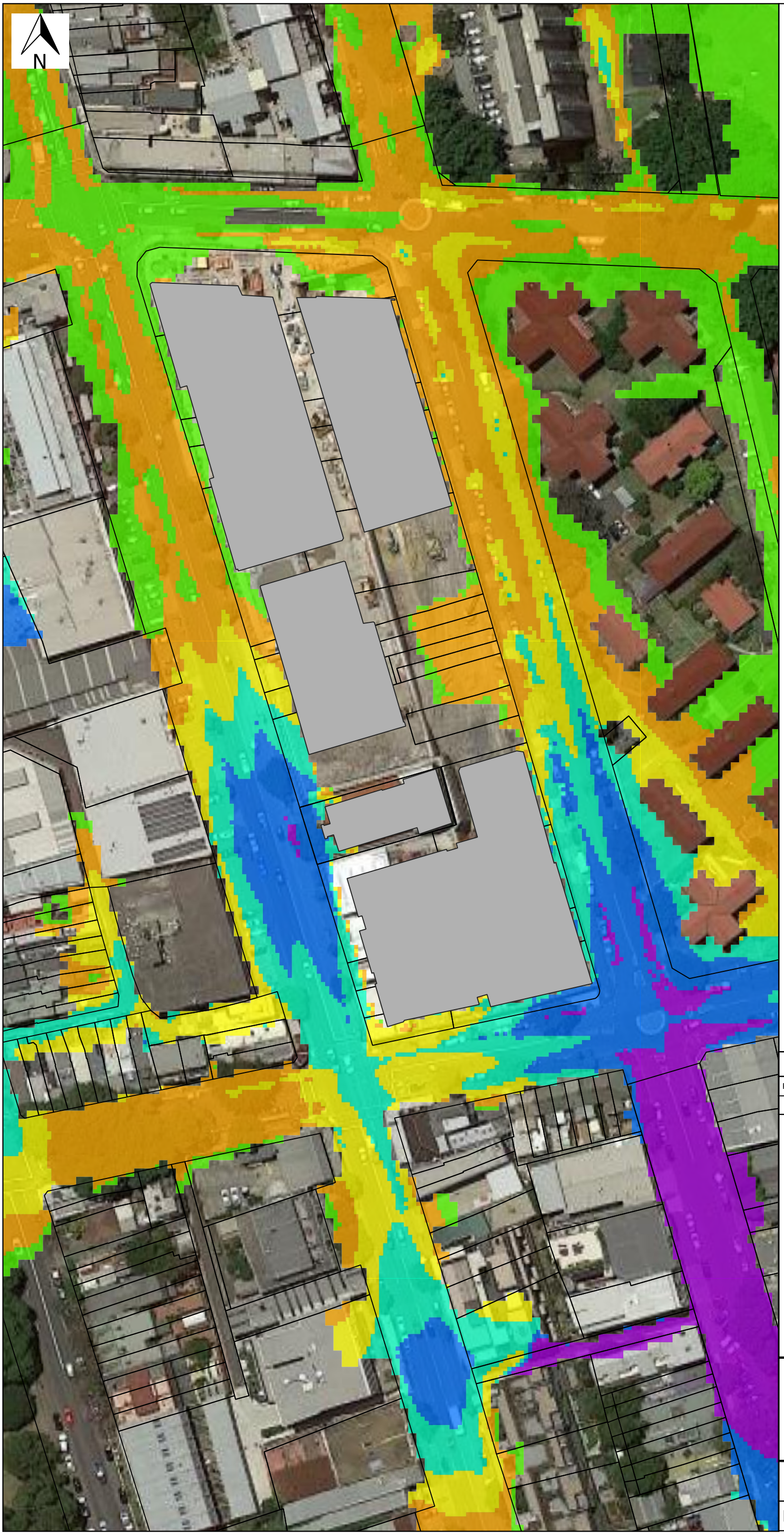
## PMF

Scale: 1:1000 | 20/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-20 14:36:11 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Flood Hazard.qgz

# Appendix 9 - Climate Change




KEY:

Building

Water Depth (m)

<= 0.10

0.10 - 0.30

0.30 - 0.50

0.50 - 0.7

0.7 - 1

>1

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

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Waterloo - OSD

Proposed Scenario - 1% AEP + 10%CC

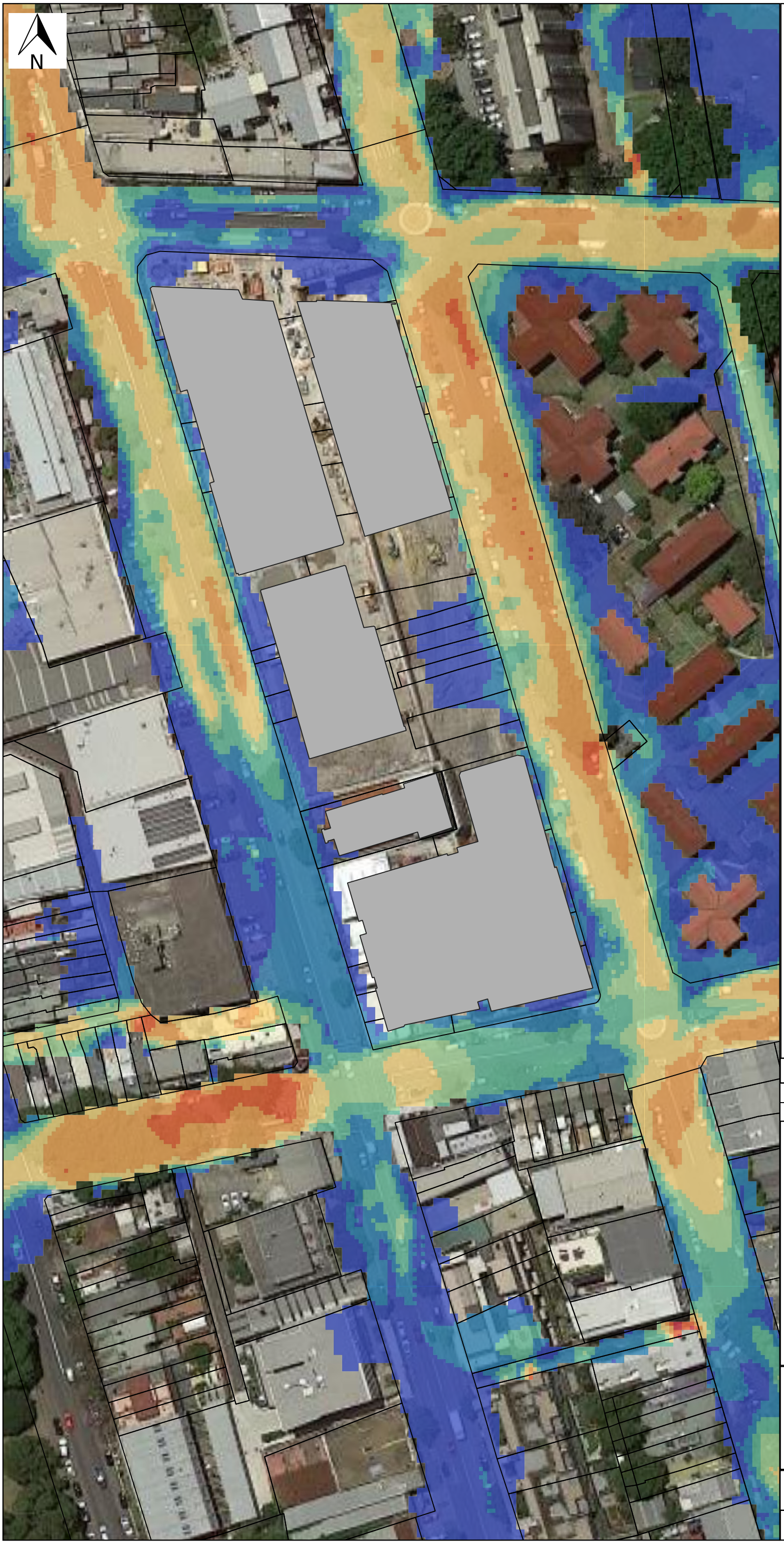
Water Depth

Scale: 1:1000

17/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-17 14:08:18 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Proposed flood maps CC.qgz




KEY:

Building

Water Velocity (m/s)

- <= 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1
- 1 - 1.5
- 1.5 - 2
- 2 - 2.5
- 2.5 - 3
- >3

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

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# Waterloo - OSD

## Proposed Scenario - 1%AEP + 10%CC

## Water Velocity

Scale: 1:1000 | 17/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-17 14:08:22 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Proposed flood maps CC.qgz

KEY:

Building

Water Level (m AHD)

- 15.2 - 15.5
- 15.5 - 16
- 16 - 16.25
- 16.25 - 16.50
- 16.50 - 16.6
- 16.6 - 16.8
- 16.8 - 16.9
- 16.9 - 17
- >17

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
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Waterloo - OSD

Proposed Scenario - 1%AEP+10%CC

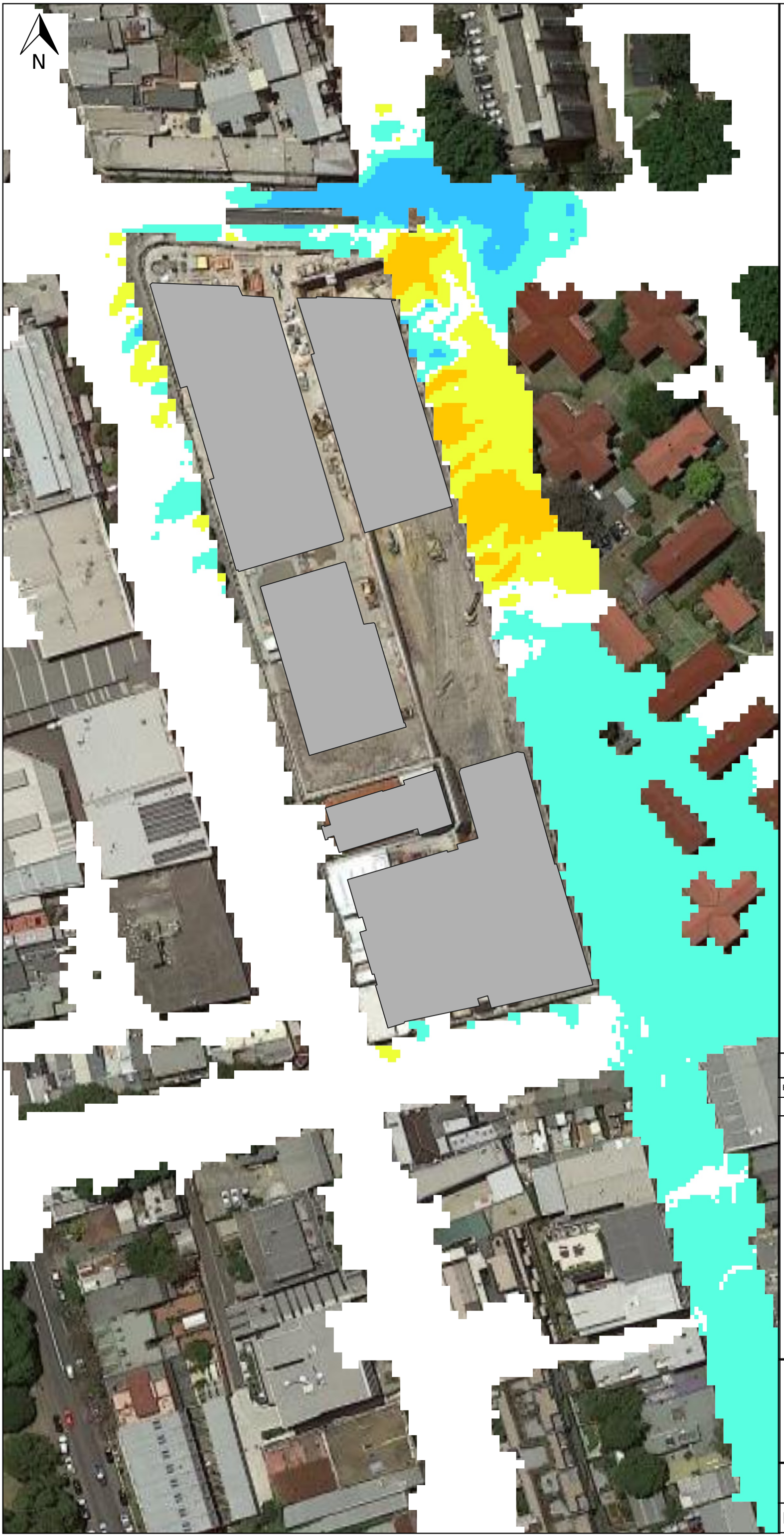
Water Level

Scale: 1:1000 | 17/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-17 14:08:25 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Proposed flood maps CC.qgz

# Appendix 10 - Flood Impact




KEY:

- Building

Afflux (m)

- <= -1
- -0.3 - -0.15
- -0.15 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.15
- 0.15 - 0.3
- > 0.3

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

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# Waterloo - OSD

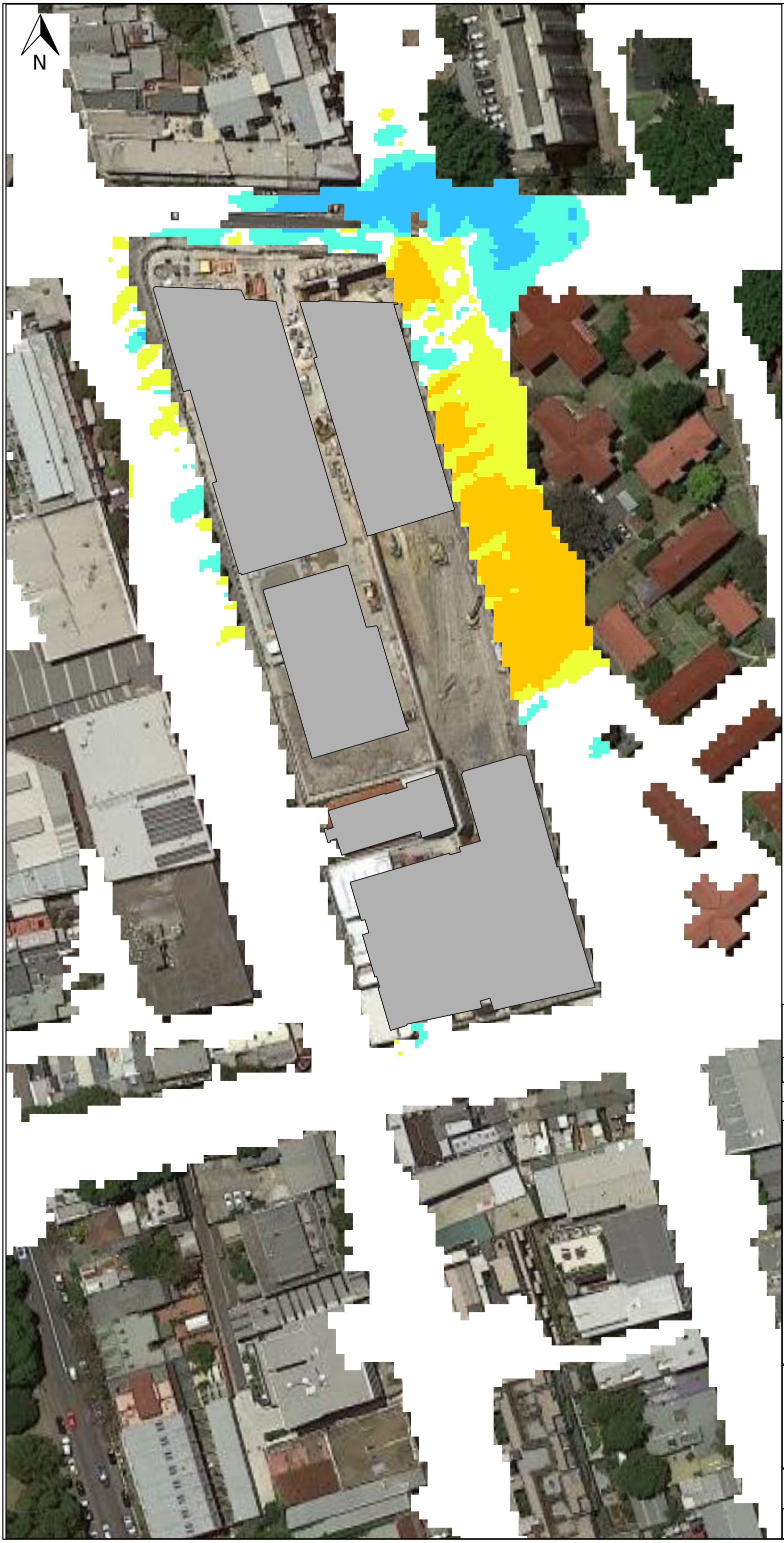
## Proposed Development Flood Impact

## 100 year ARI - Afflux

Scale: 1:1000 | 14/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-14 15:12:42 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Flood Impact.qgz




KEY:

- Building

Afflux (m)

- <= -1
- -0.3 - -0.15
- -0.15 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.15
- 0.15 - 0.3
- > 0.3

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

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Sydney, NSW
2000 Australia
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# Waterloo - OSD

## Proposed Development - Flood Impact

## 20 year ARI

Scale: 1:1000 | 14/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-14 15:12:45 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Flood Impact.qgz

KEY:

Building

Afflux (m)

- <= -1
- -0.3 - -0.15
- -0.15 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.15
- 0.15 - 0.3
- > 0.3

0 15 30 45 m

FOR INFORMATION ONLY

| Rev. | Date | ISSUE | Prepare | Approve |
|---|---|---|---|---|
| A | 26/06/20 | FIRST ISSUE | MZ | AV |

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# Waterloo - OSD

## Proposed Scenario - Flood Impact

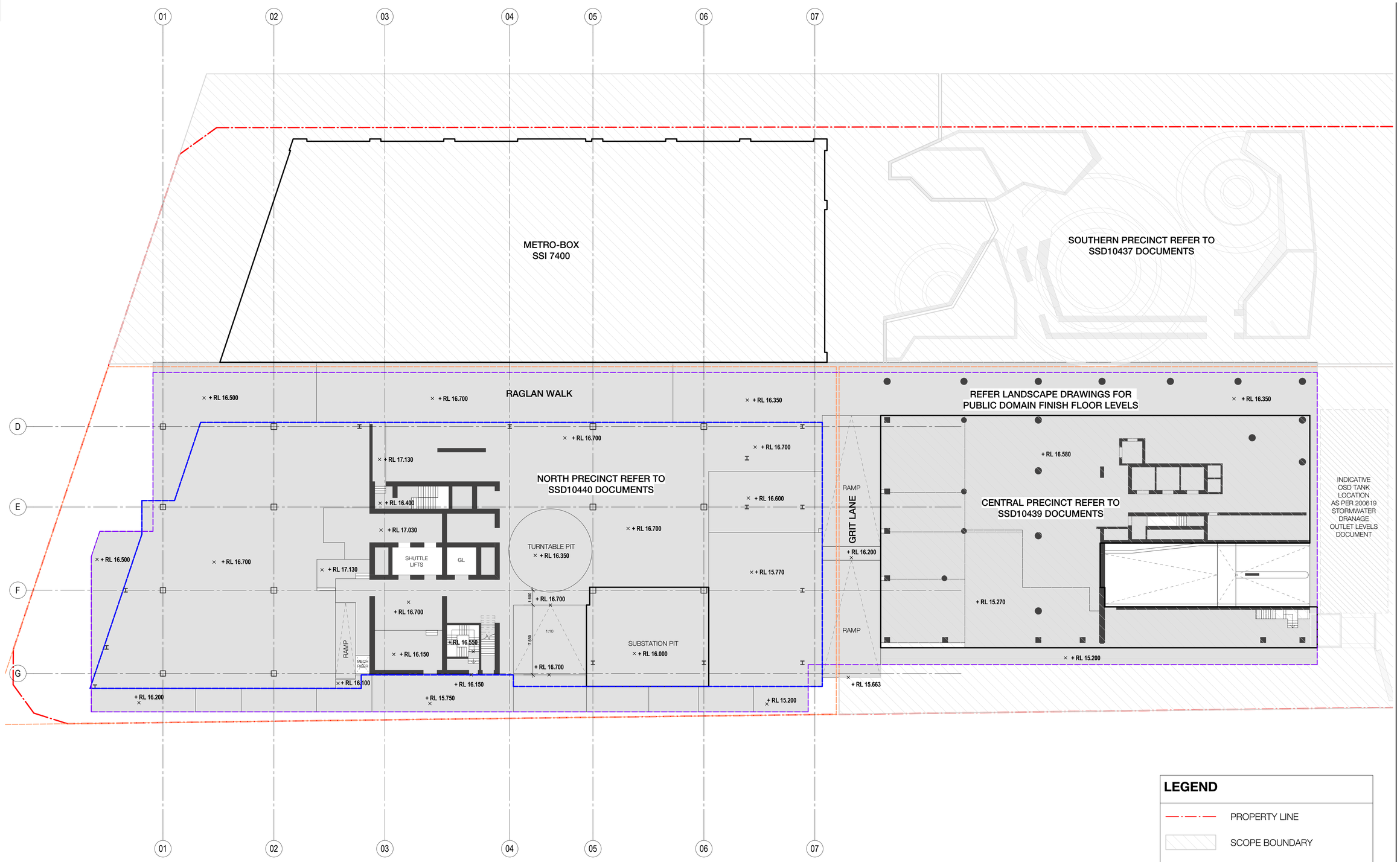
## Afflux

Scale: 1:1000 | 14/07/20

Project Number: PS119449

Created by: AUMZ501756 - 2020-07-14 15:12:49 - U:\Projects\AU\PS119xxx\PS119449_Waterloo_OSD_work\4_WIP\Docs\Flood study\Flood Map\Flood Impact.qgz

## Appendix 11 - Building Flood Levels




## LEGEND

- PROPERTY LINE
- SCOPE BOUNDARY
- LINE DENOTES BASEMENT CARPARK FOOTPRINT
- LINE DENOTES BUILDING 1 FOOTPRINT

Recent revision history

| # | Status | Description | Date |
|---|---|---|---|

Notes

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Contractor must verify all dimensions on site before commencing work or preparing shop drawings.

Do not scale drawings.

Key Plan

BASEMENT

North Point

Client

Waterloo Integrated Station Development
A Joint Venture Project
JOHN HOLLAND
mirvac

NSW GOVERNMENT
sydney METRO

Consultant

WOODS BAGOT

Project

WATERLOO METRO QUARTER DEVELOPMENT

| Project number | Size check |
|---|---|
| 121234 | 25mm |

| Checked | Approved | Sheet size | Scale |
|---|---|---|---|
| DH | JM | A1 | 1 : 200 |

Sheet title

SSD10438
BASEMENT - FLOOR PLAN LEVEL 00

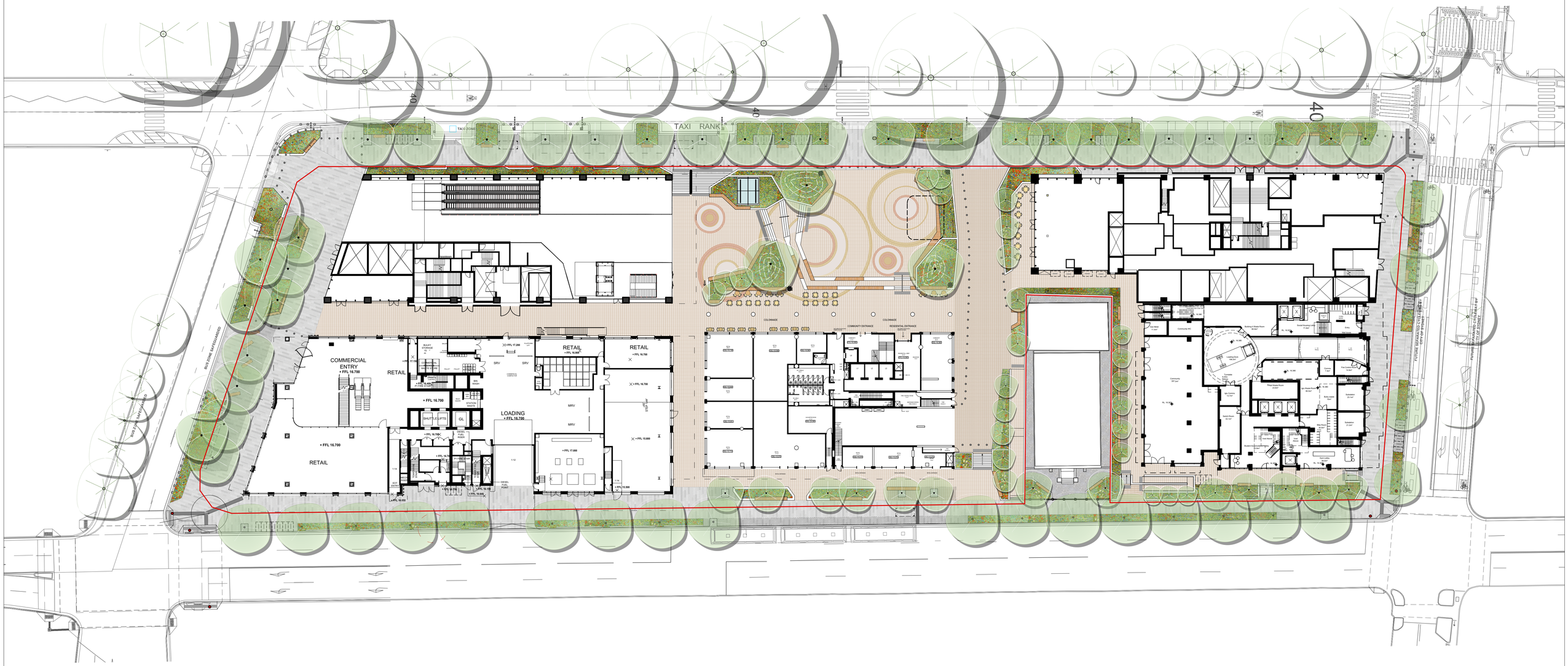
Status

FOR INFORMATION

Sheet number — Revision

**WMQ-BMNT-WBG-AR-DRG-DA0090** B

## Appendix 12 - Proposed site configuration


TAXI RANK
TAXI ZONE
40
BUS ZONE MATERIALISED
COMMERCIAL ENTRY
+ FFL 16.700
RETAIL
+ FFL 16.700
BULKY STORAGE 30m²
+ FFL 16.700
RETAIL
+ FFL 16.650
+ FFL 16.700
SHUTTLE LIFTS
GL
STATION WASTE
+ FFL 16.700
DIESEL FUEL RISER
+ FFL 16.700
ECO SCREEN
+ FFL 16.650
+ FFL 16.700
+ FFL 16.150
+ FFL 16.650
SRV
SRV
FFL 17.200
LOADING
+ FFL 16.700
1:12
MRV
MRV
+ FFL 17.000
RETAIL
+ FFL 16.800
RETAIL
+ FFL 16.700
+ FFL 16.700
+ FFL 15.800
+ FFL 15.300
COLONNADE
COLONNADE
COMMUNITY ENTRANCE
RESIDENTIAL ENTRANCE
Community 197.2m²
Building 4 Waste Room 30.5m²
Small Workshop 77.4m²
Kitchen 77.4m²
Gym Changerooms 118.7m²
Plant Waste Room 29.6m²
Gym Reception 86.3m²
Bulky waste 15m²
Substation 23.1m²
Substation 21.6m²
Switch Room 22.1m²
Fire Control Room 14.9m²
Fire Pump Room 30.3m²
Sprinkler Valve Room 14.9m²
Hydrant Booster 14.9m²
Sprinkler Booster 14.9m²
Building 4 Waste Room 30.5m²
Community 197.2m²
Community Art
Cool Water 14.4m²
Kiosk 77.4m²
Entry
Lobby Entry 77.4m²
Art Display
Art Display
Art Display