



**Map G140** 

Flood Planning Area (FPA)

**Davistown** 

## Legend

Model Area

Cadastre

FPA - 1% AEP + 30% rainfall increase

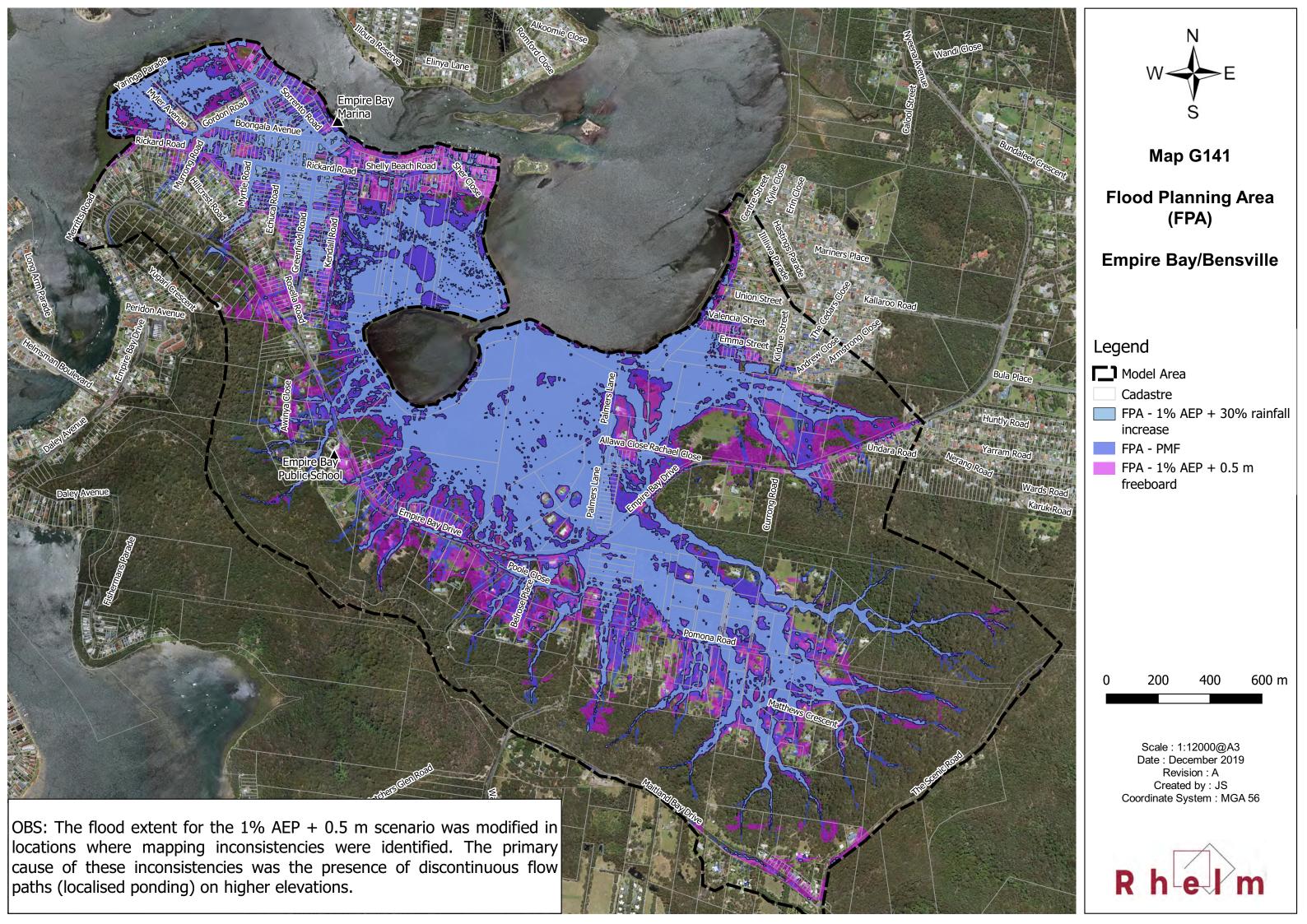
FPA - PMF

FPA - 1% AEP + 0.5 m freeboard

200 300 m

Scale: 1:7500@A3 Date: December 2019 Revision : A Created by : JS Coordinate System : MGA 56









Map G150

Road Overtopping

Davistown



Model Area

Cadastre

Infrastructure Locations

1% AEP Depth

0.10 - 0.2

0.2 - 0.3

0.3 - 0.4

0.4 - 0.5

0.5 - 0.75

0.75 - 1

0170

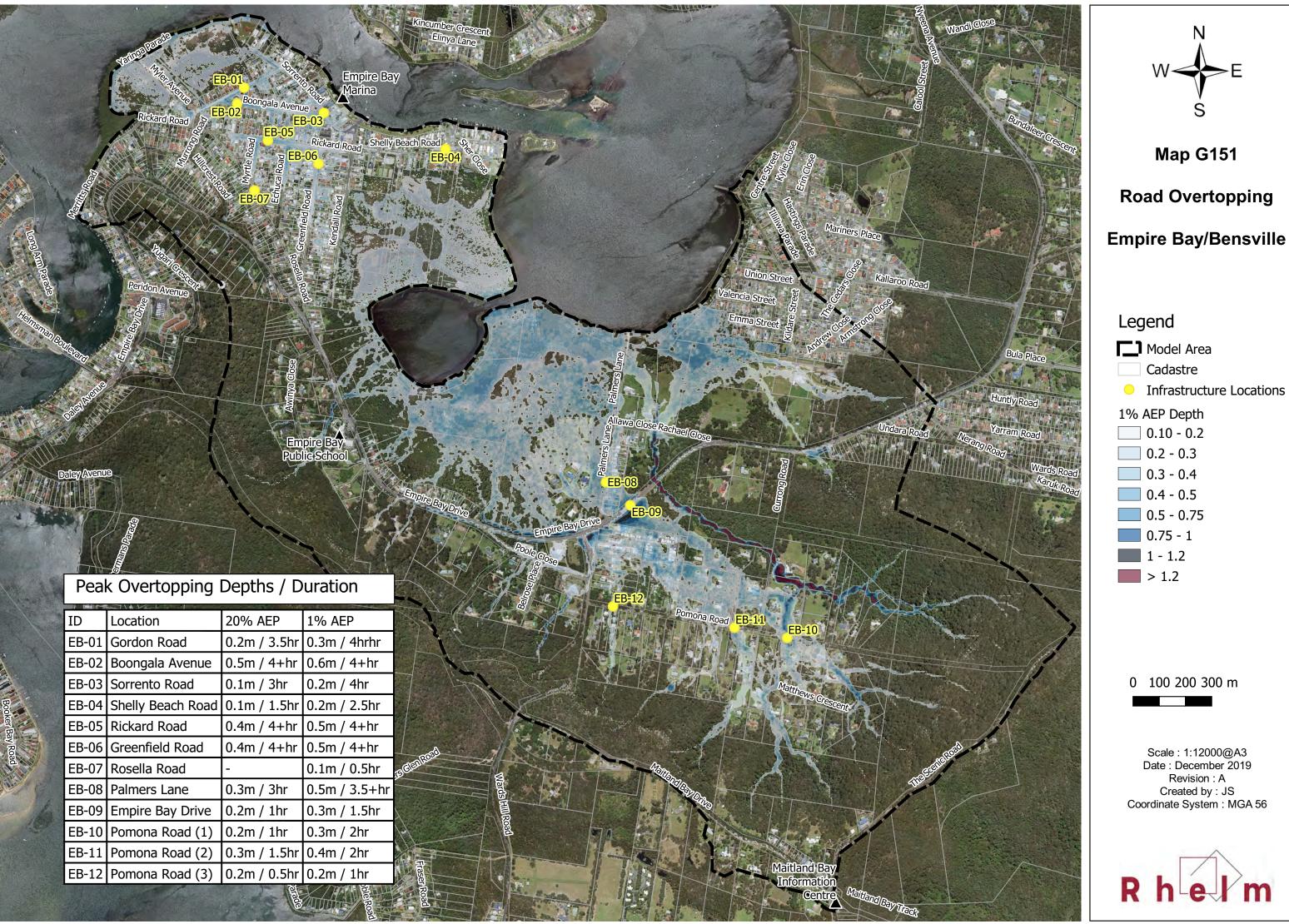
1 - 1.2

> 1.2

0 100 200 300 m

Scale: 1:7500@A3
Date: December 2019
Revision: A
Created by: JS
Coordinate System: MGA 56







**Map G151 Road Overtopping** 

Legend

Model Area

Cadastre

Infrastructure Locations

1% AEP Depth

0.10 - 0.2

0.2 - 0.3

0.3 - 0.4

0.4 - 0.5

0.5 - 0.75

0.75 - 1

1 - 1.2

> 1.2

0 100 200 300 m



Scale : 1:12000@A3 Date : December 2019 Revision : A Created by : JS Coordinate System : MGA 56







# Map G160 Filling Impacts Davistown - 1% AEP Scenario 1

## Legend

Cadastre

Study Area

Properties with Ground Raised

Impact on Existing Flood Levels (m)

<= -0.2

-0.2 - -0.05

-0.05 - -0.02

-0.02 - -0.01

0.01 - 0.02

0.02 - 0.05

0.05 - 0.2

> 0.2

100 0 100 200 m

Scale: 1:7000@A3
Date: 28 May 2020
Revision: A
Created by: JRF
Coordinate System: Map Grid of
Australia 94







## **Map G161 Filling Impacts** Davistown - 1% AEP Scenario 2

## Legend

Cadastre

Study Area

Properties with Ground Raised

Impact on Existing Flood Levels (m)

<= -0.2

-0.2 - -0.05

-0.05 - -0.02

-0.02 - -0.01

0.01 - 0.02

0.02 - 0.05

0.05 - 0.2

> 0.2

100 100 200 m

Scale: 1:7000@A3
Date: 28 May 2020
Revision: A
Created by: JRF
Coordinate System: Map Grid of
Australia 94







## **Map G162 Filling Impacts** Davistown - 1% AEP Scenario 3

## Legend

Cadastre

Study Area

Properties with Ground Raised

Impact on Existing Flood Levels (m)

<= -0.2

-0.2 - -0.05

-0.05 - -0.02

-0.02 - -0.01

0.01 - 0.02 0.02 - 0.05

0.05 - 0.2

> 0.2

100 100 200 m

Scale: 1:7000@A3
Date: 28 May 2020
Revision: A
Created by: JRF
Coordinate System: Map Grid of
Australia 94







## **Map G163** Filling Impacts Empire Bay - 1% AEP Scenario 1

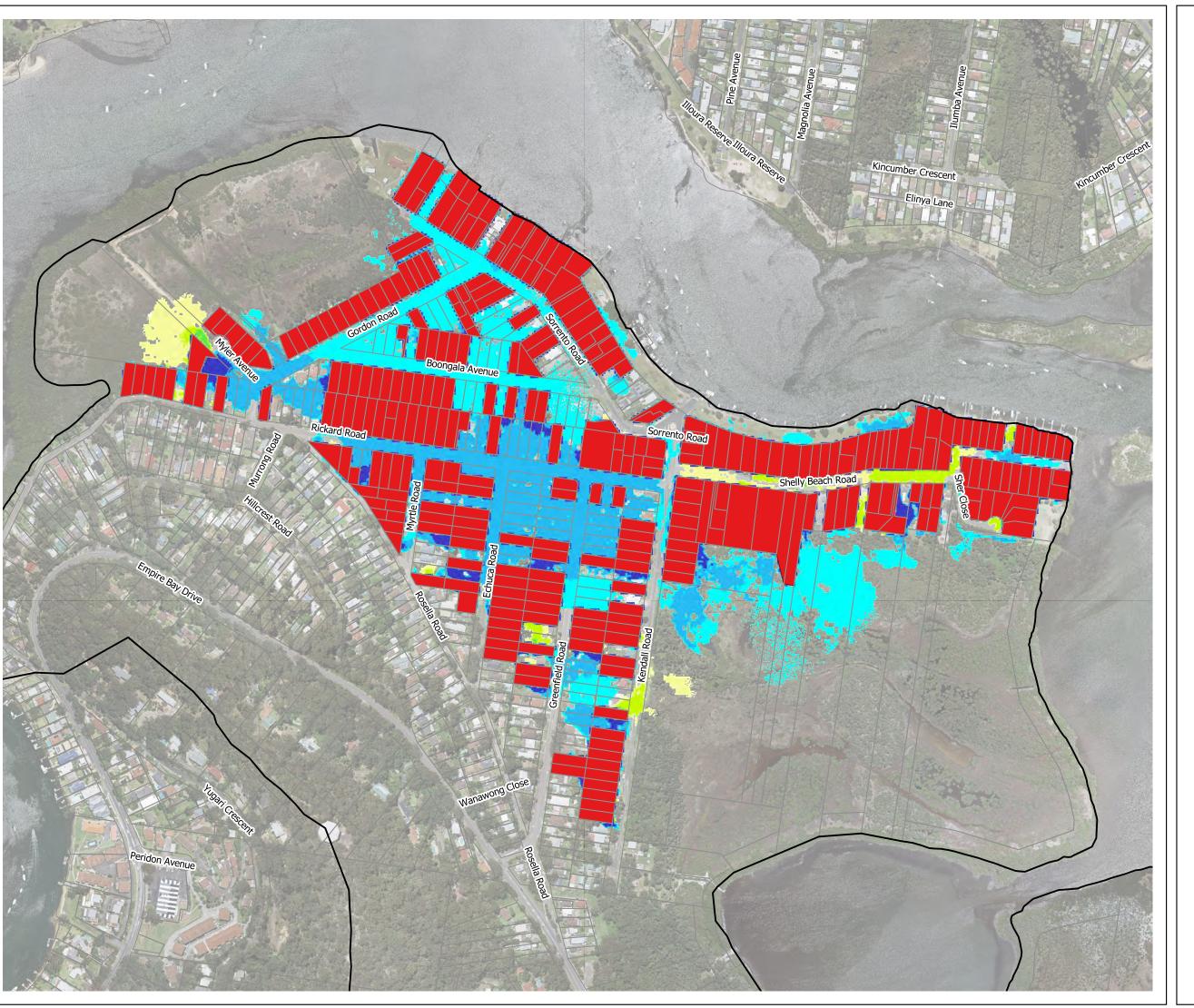


- DtownEBay-Cadastre-20180525
- EmpireBay\_Boundary
- Properties with Ground Raised
- Impact on Existing Flood Levels
- <= -0.2
- -0.2 -0.05
- -0.05 -0.02
- -0.02 -0.01
- 0.01 0.02
- 0.02 0.05
- 0.05 0.2
- > 0.2

50 100 150 200 m

Scale: 1:5000@A3
Date: 28 May 2020
Revision: A
Created by: JRF
Coordinate System: Map of Grid
Australia 94







## **Map G164** Filling Impacts Empire Bay - 1% AEP Scenario 2



DtownEBay-Cadastre-20180525

EmpireBay\_Boundary

Properties with Ground Raised Impact on Existing Flood Levels

<= -0.2

-0.2 - -0.05

-0.05 - -0.02

-0.02 - -0.01

0.01 - 0.02

0.02 - 0.05

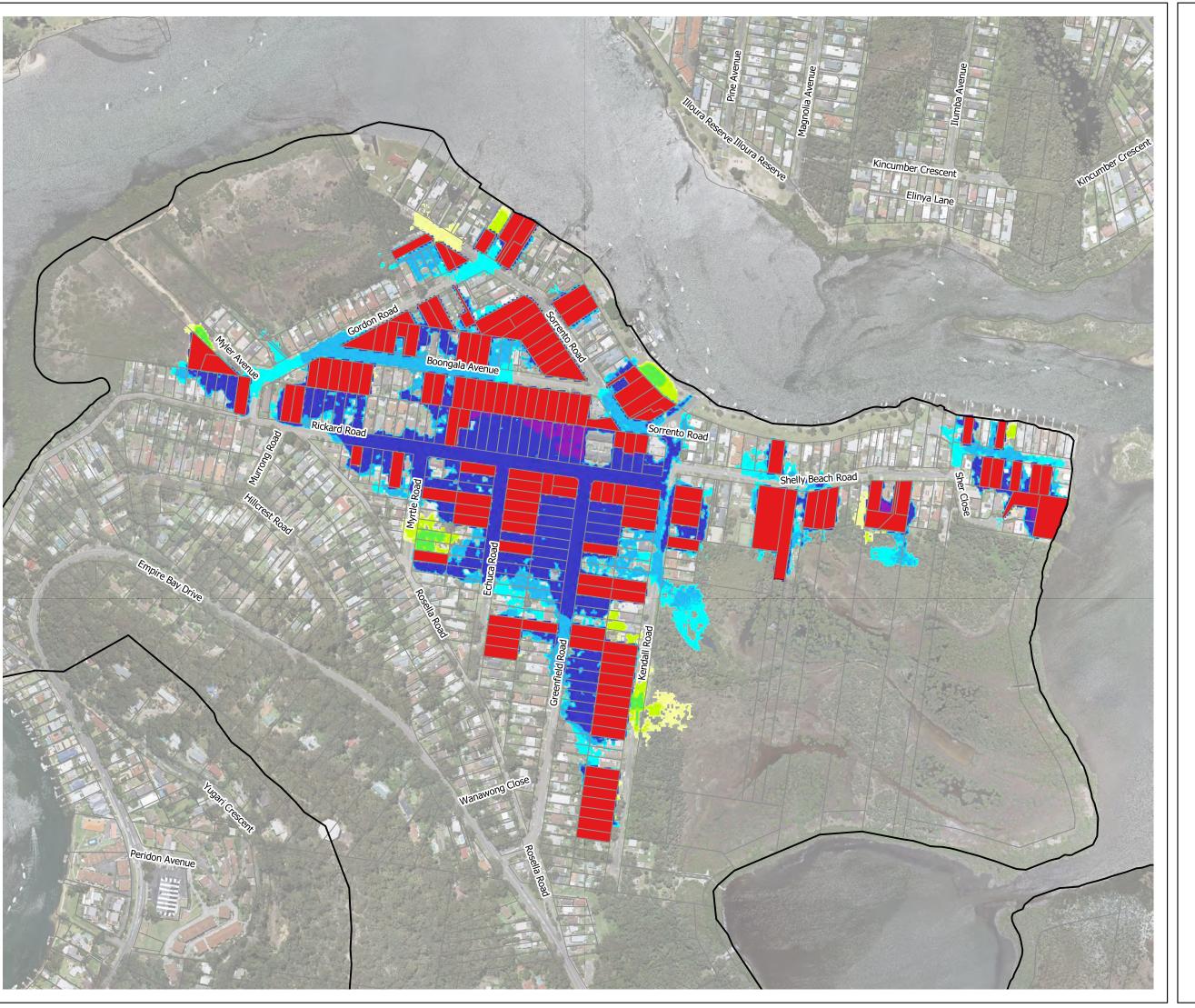
0.05 - 0.2

> 0.2

50 100 150 200 m

Scale: 1:5000@A3
Date: 28 May 2020
Revision: A
Created by: JRF
Coordinate System: Map of Grid
Australia 94







## **Map G165** Filling Impacts Empire Bay - 1% AEP Scenario 3

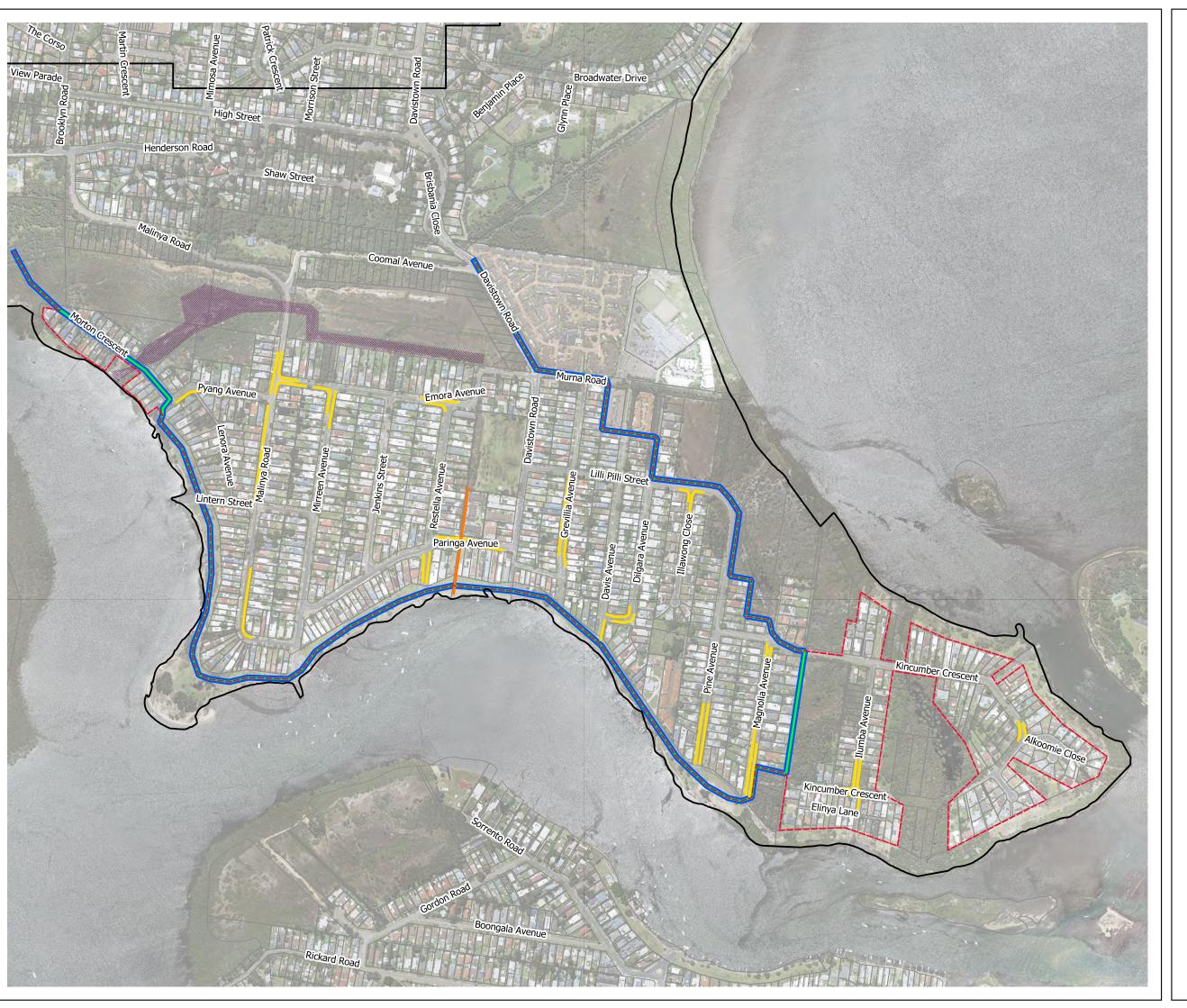


- DtownEBay-Cadastre-20180525
- EmpireBay\_Boundary
  - Properties with Ground Raised
- Impact on Existing Flood Levels
- <= -0.2
- -0.2 -0.05
- -0.05 -0.02
- -0.02 -0.01
- 0.01 0.02
- 0.02 0.05
- 0.05 0.2
- > 0.2

50 100 150 200 m

Scale: 1:5000@A3
Date: 28 May 2020
Revision: A
Created by: JRF
Coordinate System: Map of Grid
Australia 94







# Map G201 Preliminary Options Davistown

## Legend

Option DT1

Option DT2

Option DT3

Option DT4

Option DT5

Option DT6

Cadastre

Study Area

100 0 100 200 m

Scale: 1:7000@A3
Date: 02 June 2020
Revision: B
Created by: JS
Coordinate System: Map Grid of
Australia 94







## Map G202 Preliminary Options Empire Bay 1

### Legend

Option EB1

Option EB2 & EB3

Option EB4

Option EB5

Option EB6

Option EB7

Cadastre
Study Area





Scale: 1:4500@A3
Date: 02 June 2020
Revision: B
Created by: JS
Coordinate System: MGA 56







# Map G203 Preliminary Options Empire Bay 2

### Legend

Option EB1

Option EB2 & EB3

Option EB4

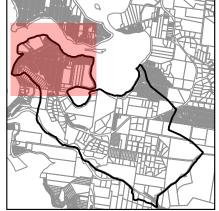
Option EB5

Option EB6

Option EB7

Cadastre

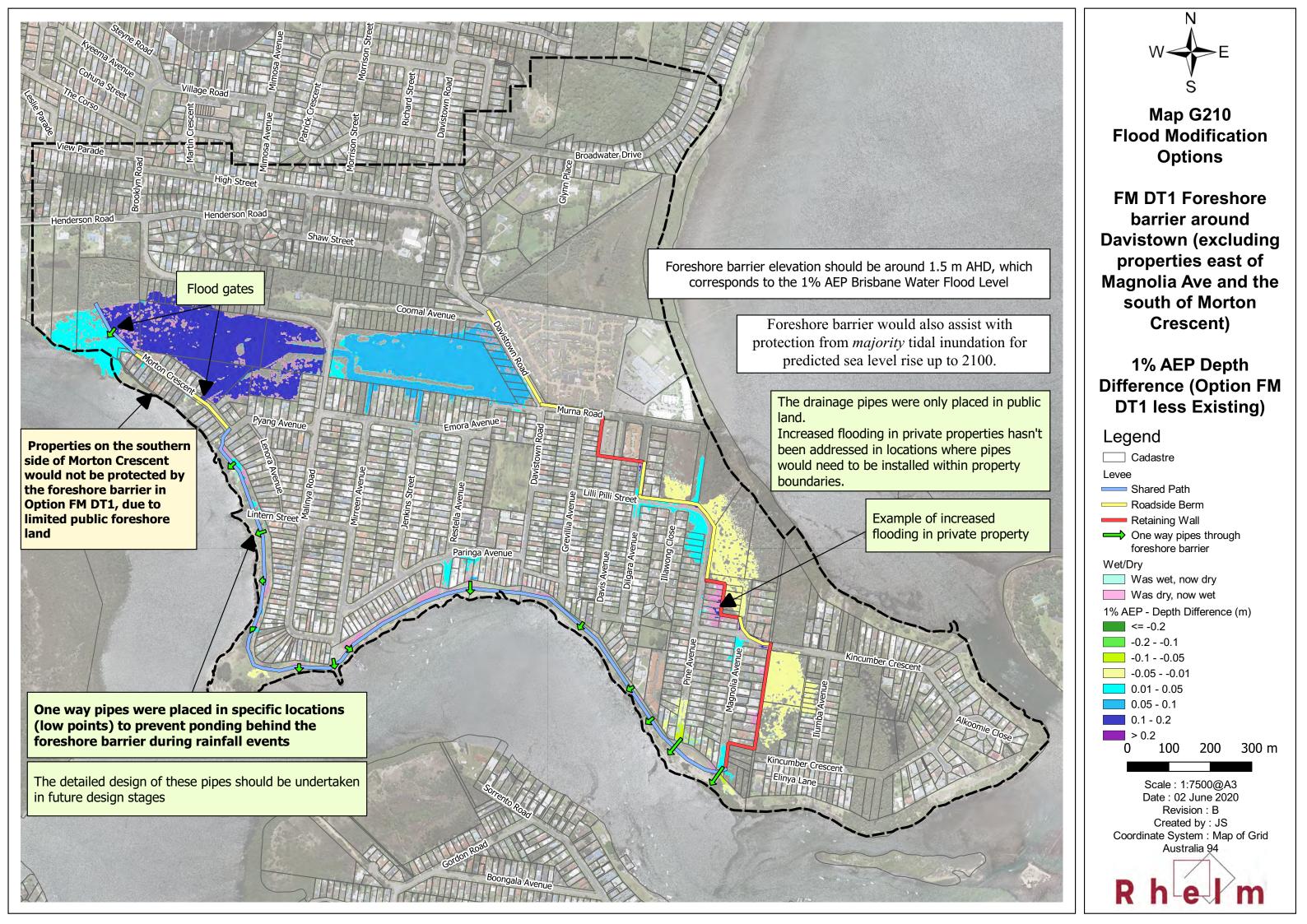
Study Area

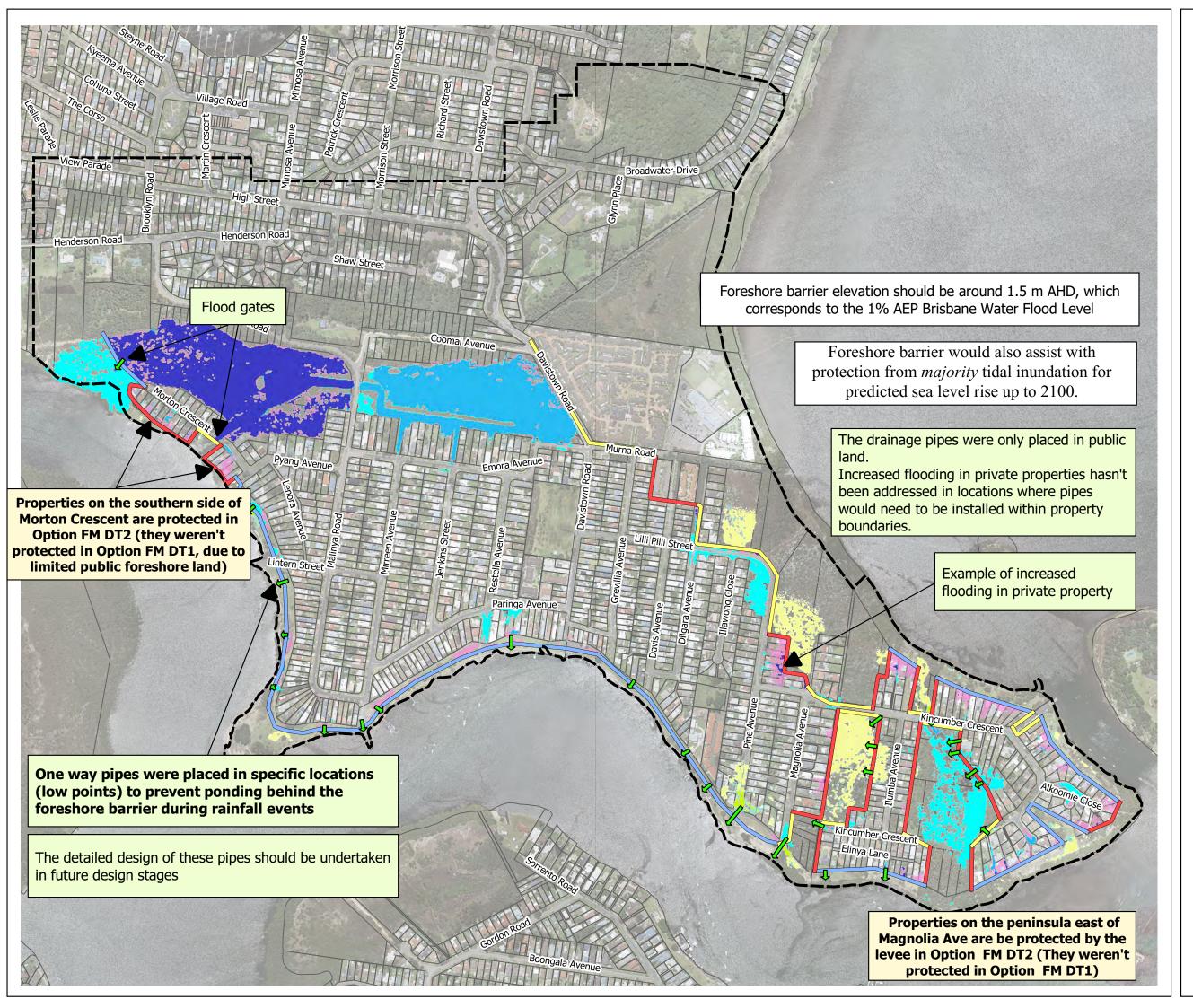


50 0 50 100 m

Scale: 1:5000@A3
Date: 02 June 2020
Revision: B
Created by: JS
Coordinate System: MGA 56









**Map G211 Flood Modification Options** 

**Option FM DT2** Foreshore barrier around Davistown (including all properties)

## 1% AEP Depth **Difference (Option FM DT2 less Existing)**

### Legend

Cadastre

One way pipes through foreshore barrier

#### Wet/Dry

Was wet, now dry

Was dry, now wet

#### Levee

Shared Path

Roadside Bund

Retaining Wall

1% AEP - Depth Difference (m)

<= -0.2

-0.2 - -0.1

-0.1 - -0.05

-0.05 - -0.01

0.01 - 0.05

0.05 - 0.1

0.1 - 0.2

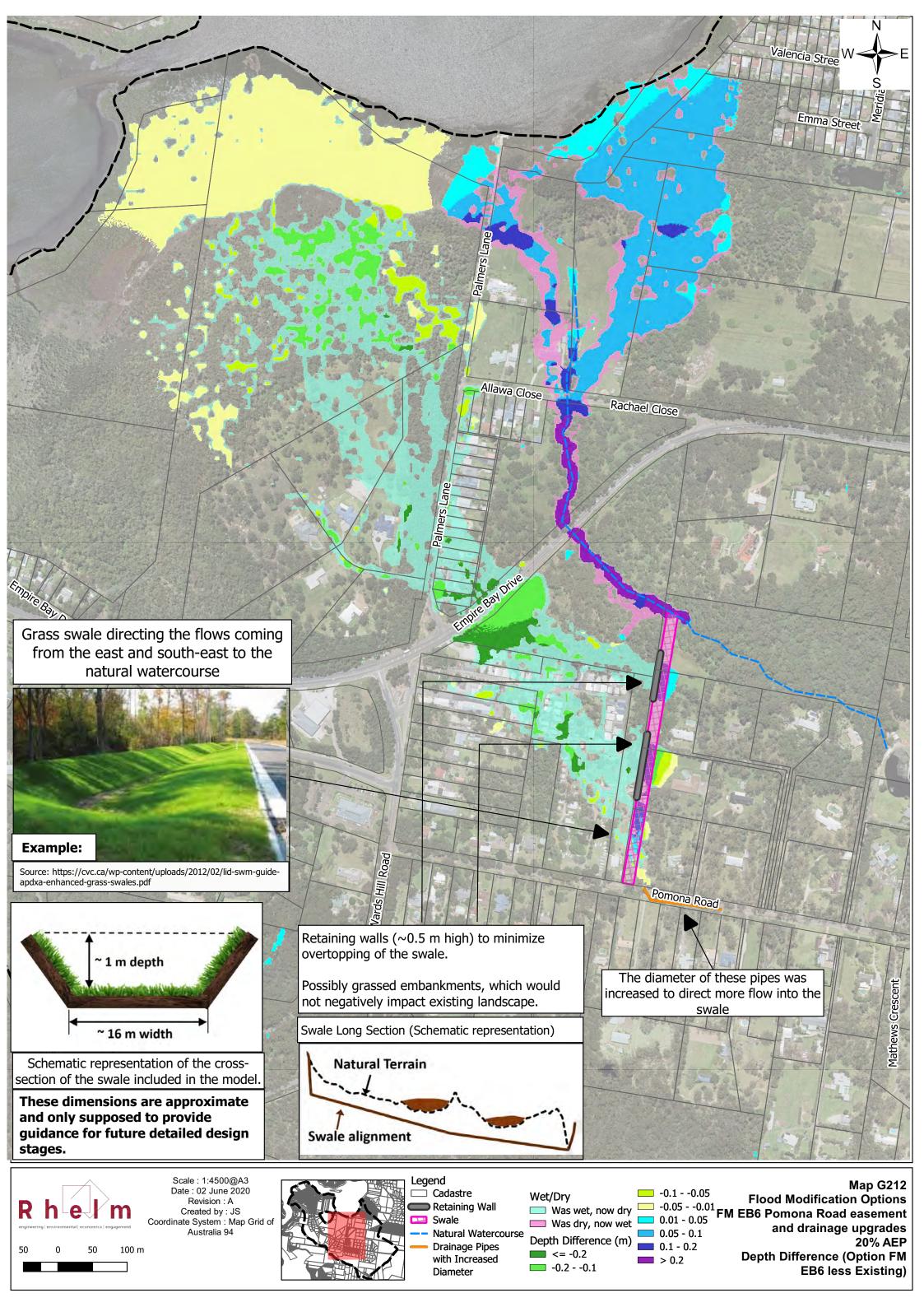
> 0.2

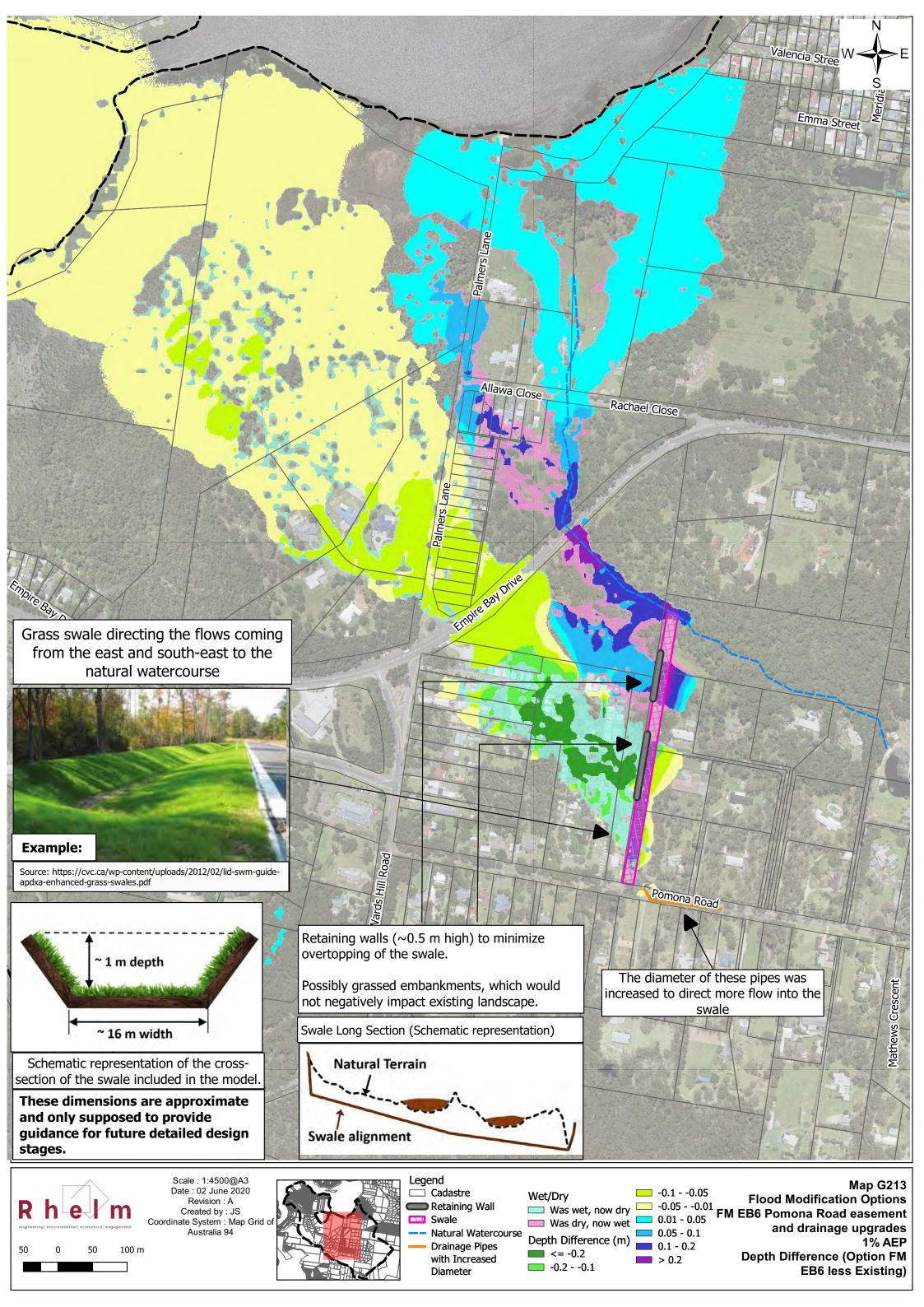
300 m

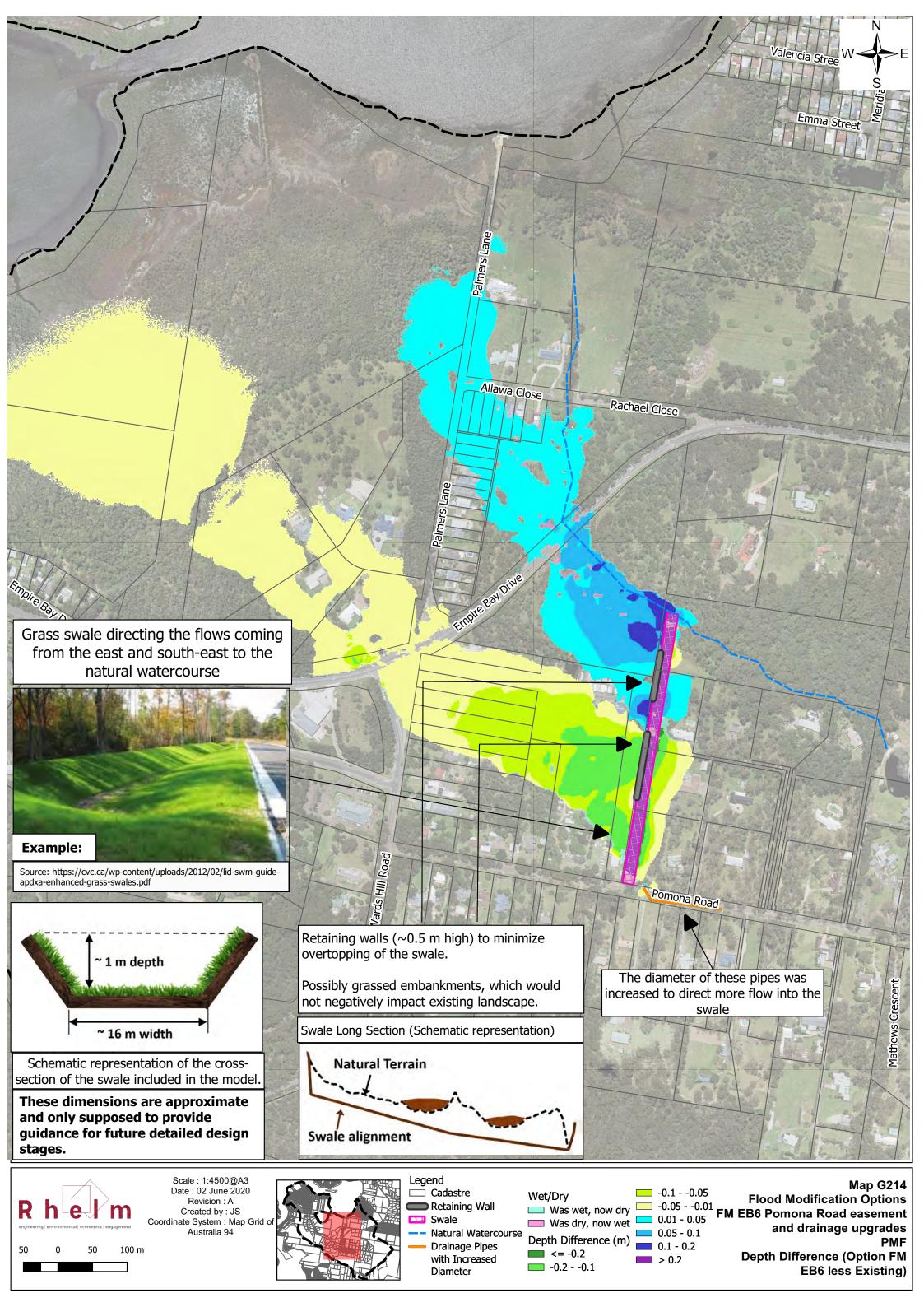
Scale: 1:7500@A3 Date: 02 June 2020 Revision: B Created by : JS

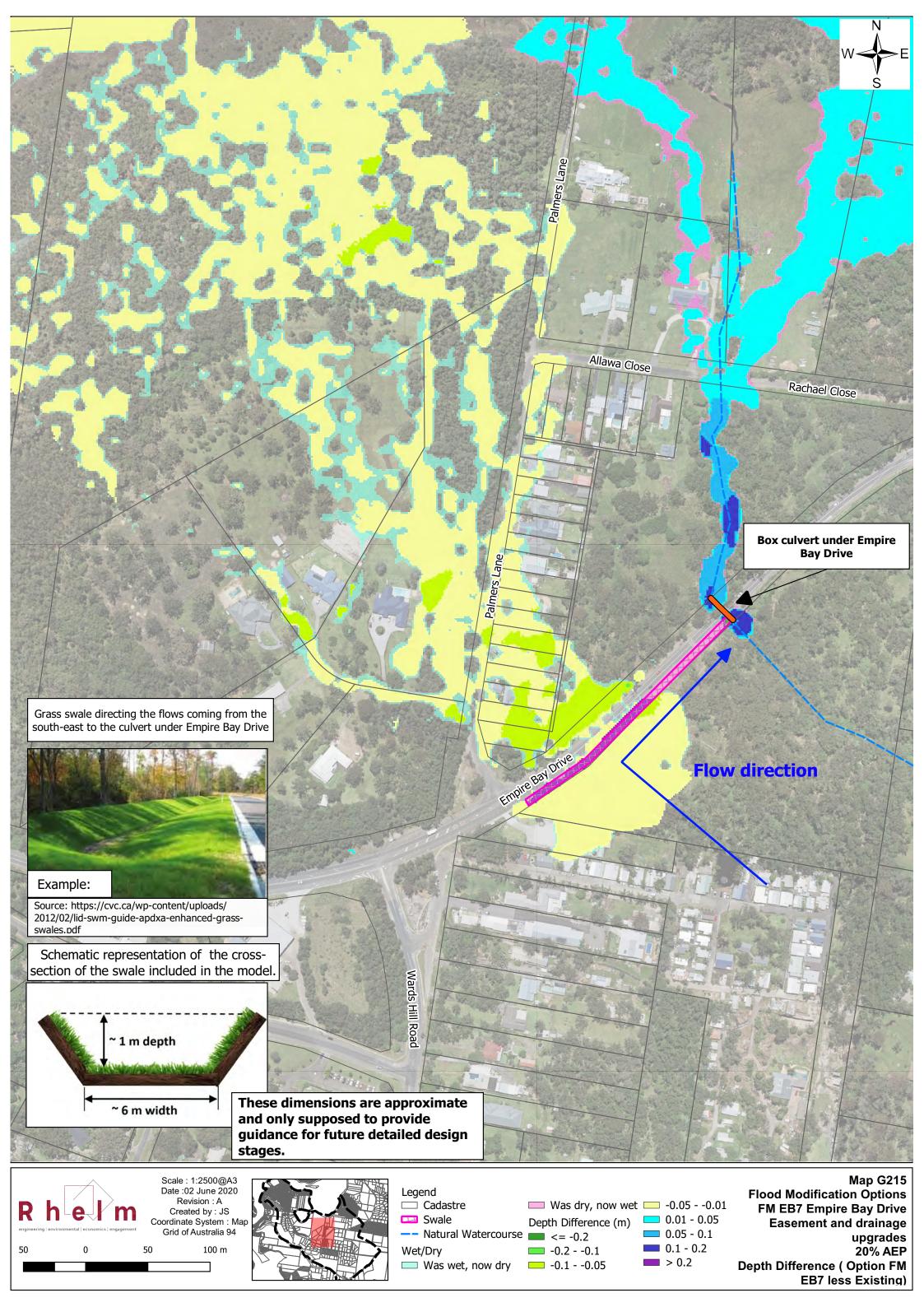
Coordinate System: Map of Grid Australia 94

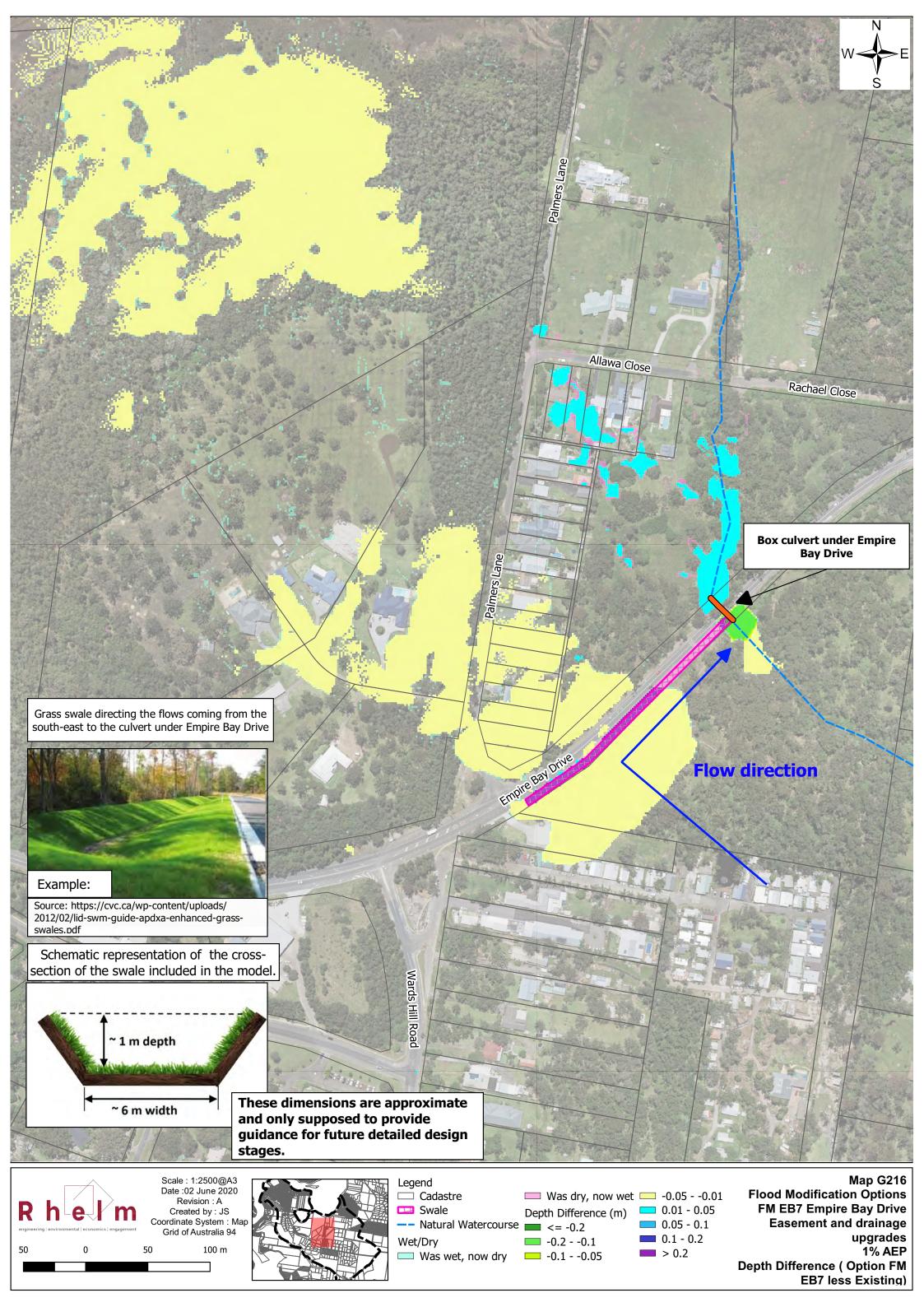


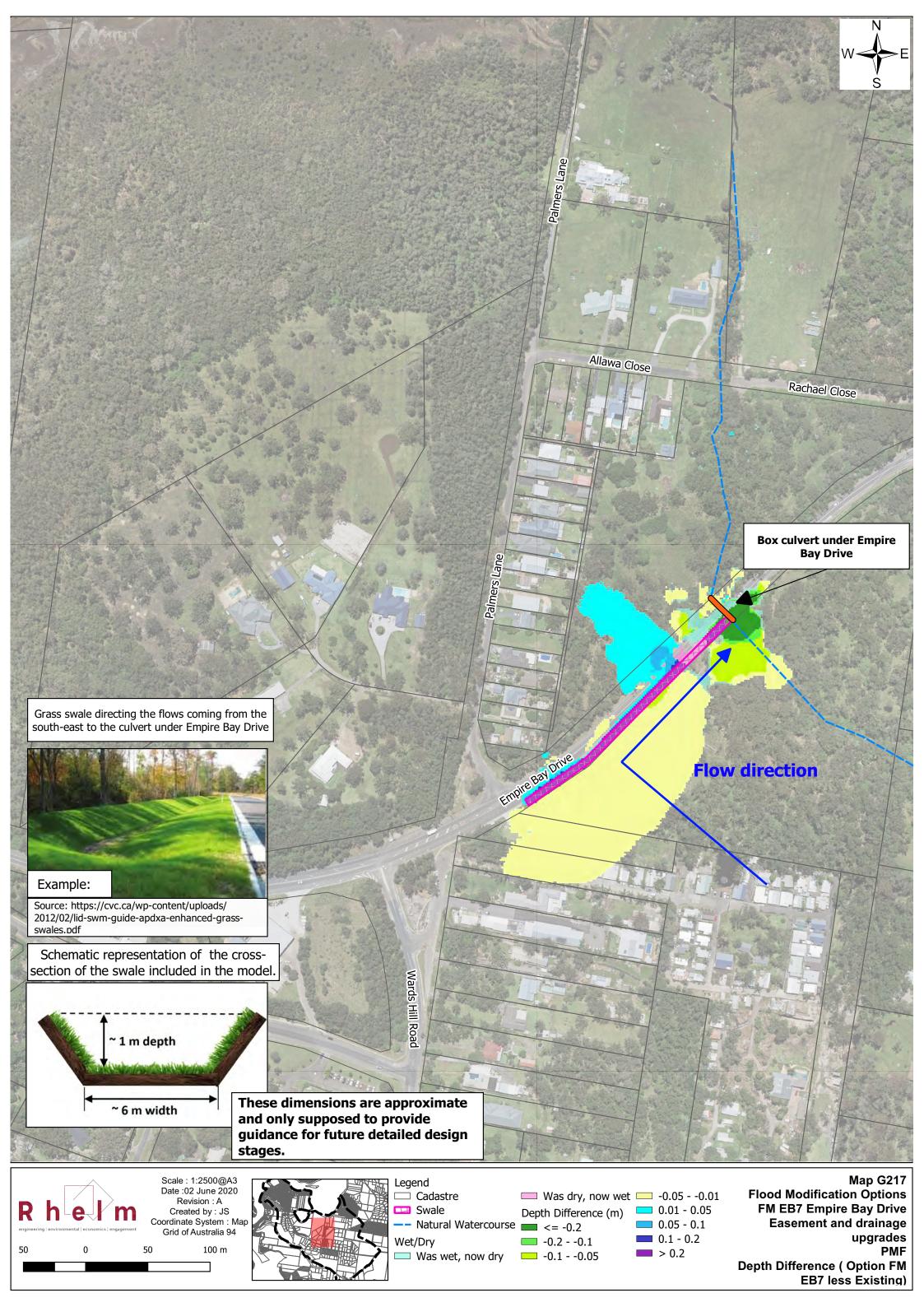


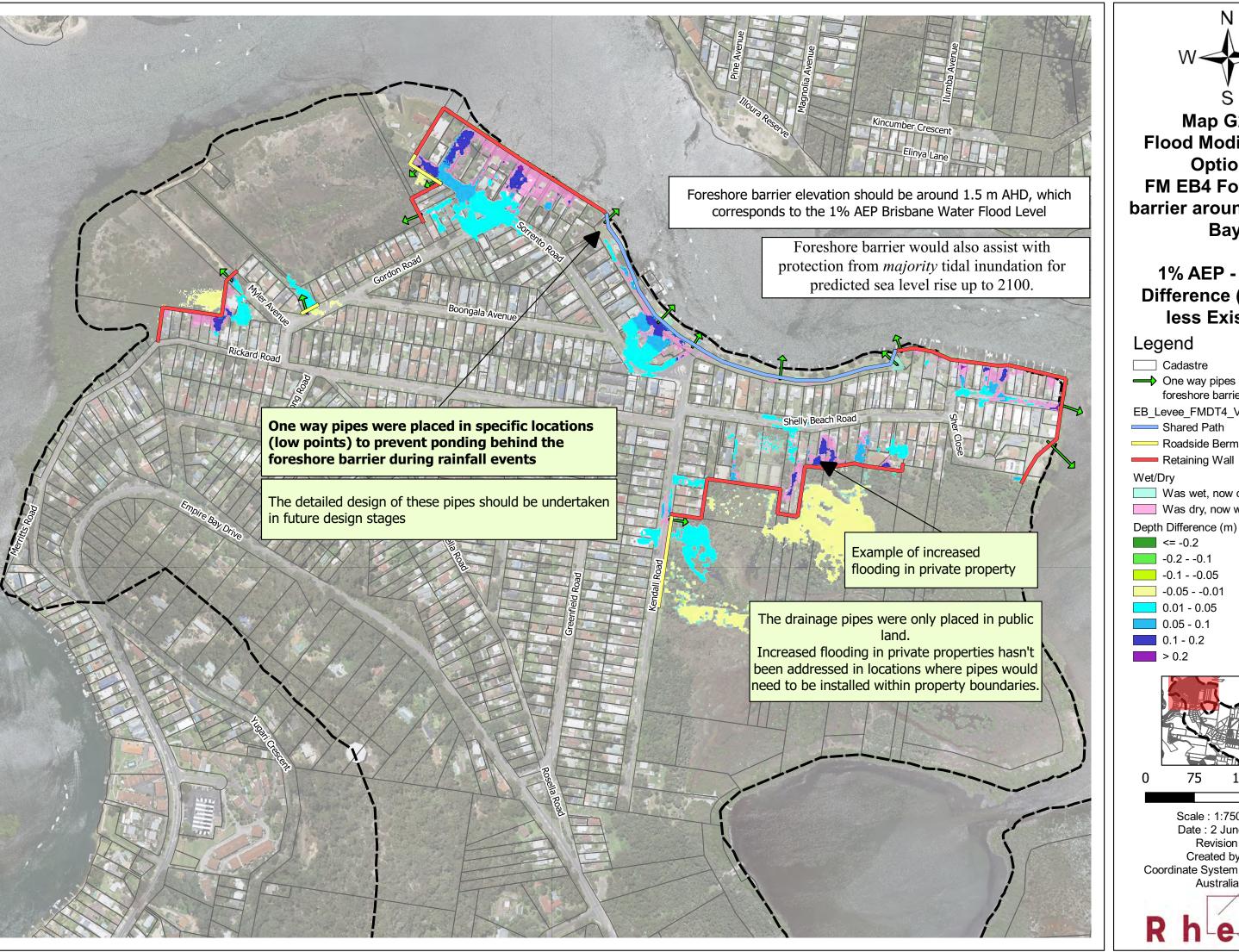














**Map G218 Flood Modification Options FM EB4 Foreshore** barrier around Empire Bay

## 1% AEP - Depth Difference (FM EB4 less Existing)

One way pipes through foreshore barrier

EB\_Levee\_FMDT4\_V01

Roadside Berm

Retaining Wall

Was wet, now dry

Was dry, now wet

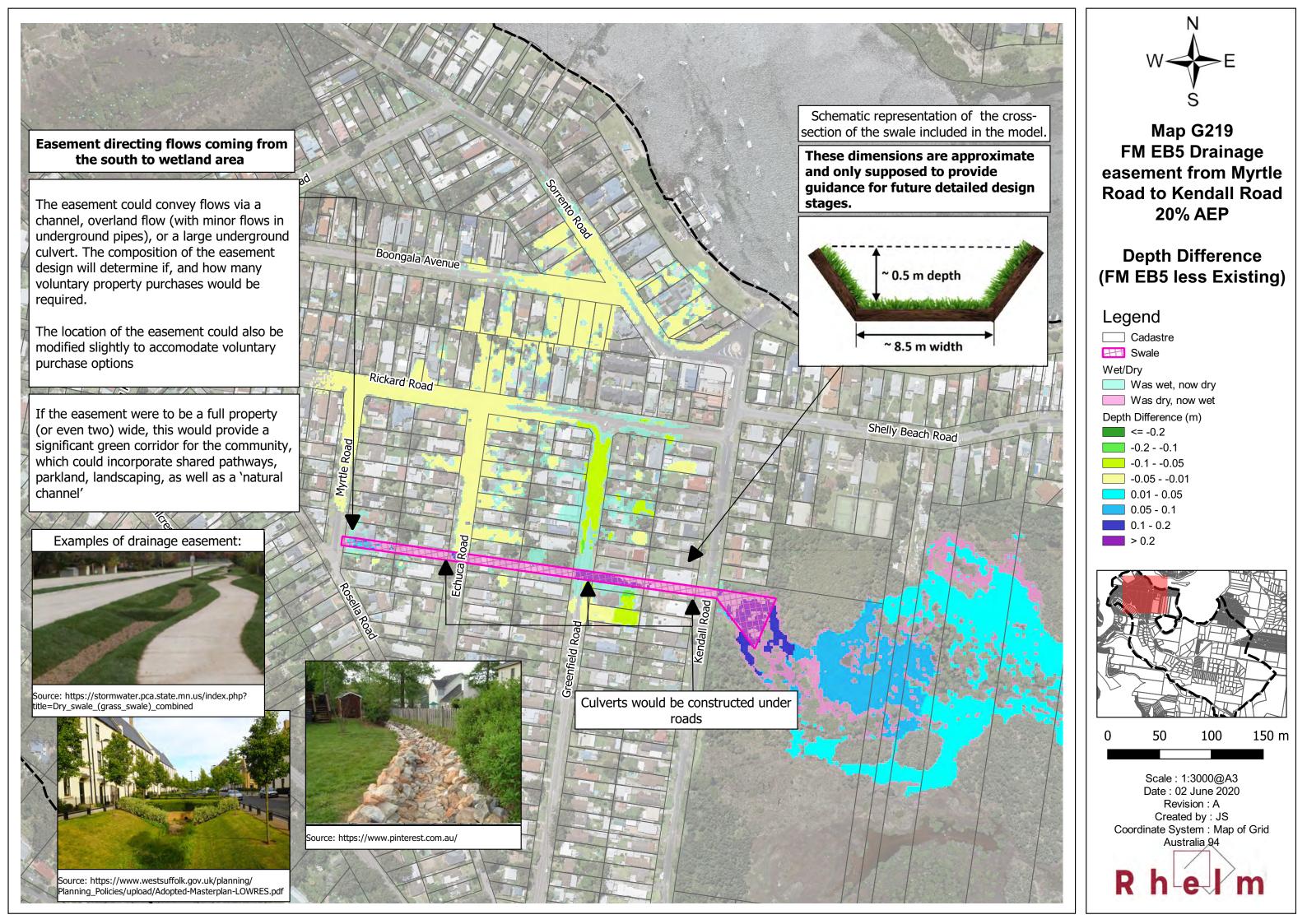


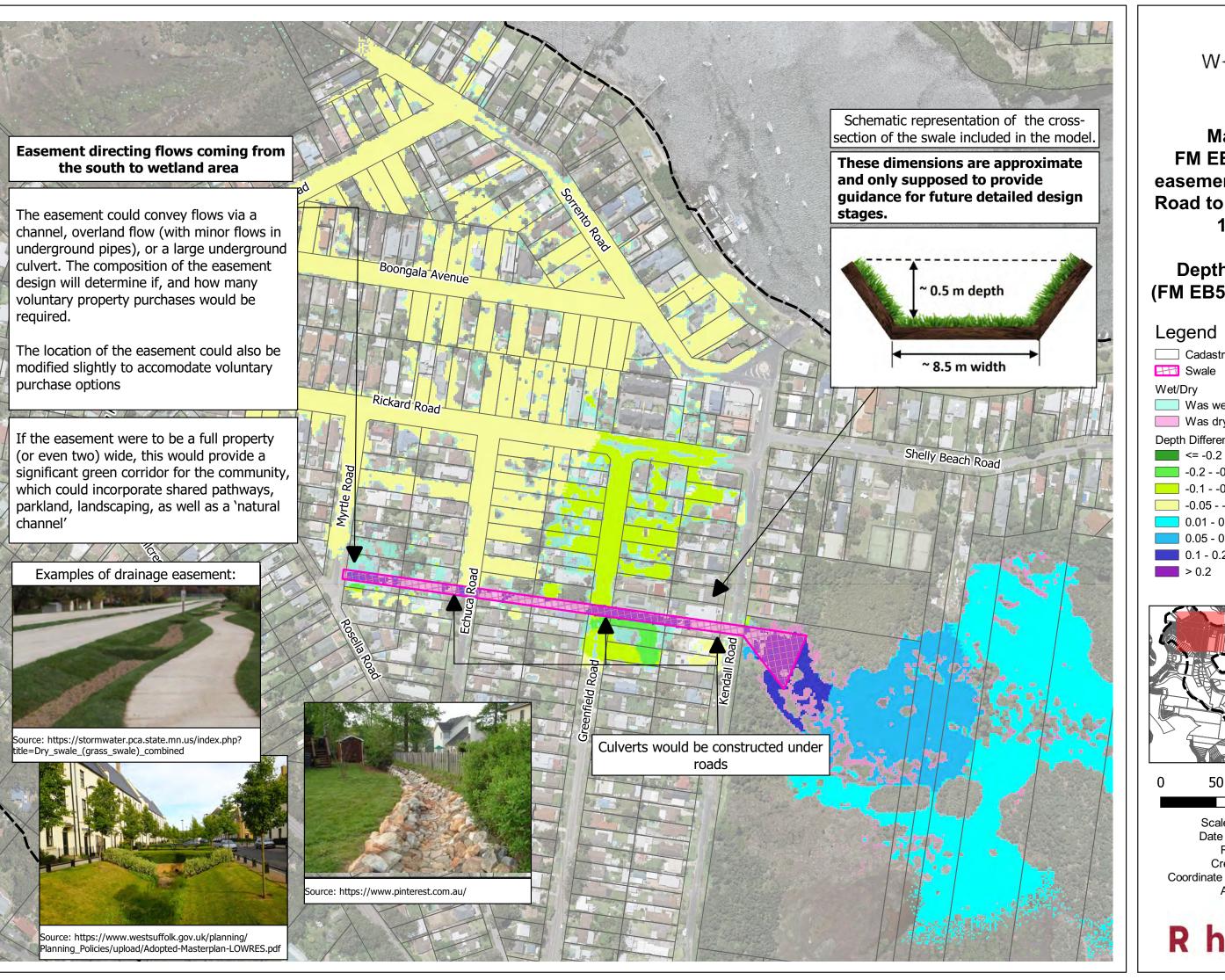
150

225 m

Scale: 1:7500@A3 Date: 2 June 2020 Revision : A Created by: JS Coordinate System: Map of Grid Australia 94









**Map G220 FM EB5 Drainage** easement from Myrtle **Road to Kendall Road 1% AEP** 

## **Depth Difference** (FM EB5 less Existing)



Cadastre

Swale

Wet/Dry

Was wet, now dry

Was dry, now wet

Depth Difference (m)

-0.2 - -0.1

-0.1 - -0.05 -0.05 - -0.01

0.01 - 0.05

0.05 - 0.1

0.1 - 0.2

> 0.2



50

100 150 m

Scale: 1:3000@A3 Date: 02 June 2020 Revision : A Created by: JS Coordinate System: Map of Grid

Australia 94







**Map G221 FM EB5 Drainage** easement from Myrtle **Road to Kendall Road PMF** 

## **Depth Difference** (FM EB5 less Existing)



Cadastre

Swale

Wet/Dry

Was wet, now dry

Was dry, now wet

Depth Difference (m)

<= -0.2

-0.2 - -0.1

-0.1 - -0.05

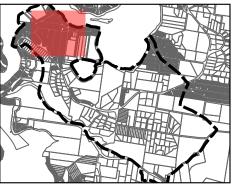
-0.05 - -0.01

0.01 - 0.05

0.05 - 0.1

0.1 - 0.2

> 0.2

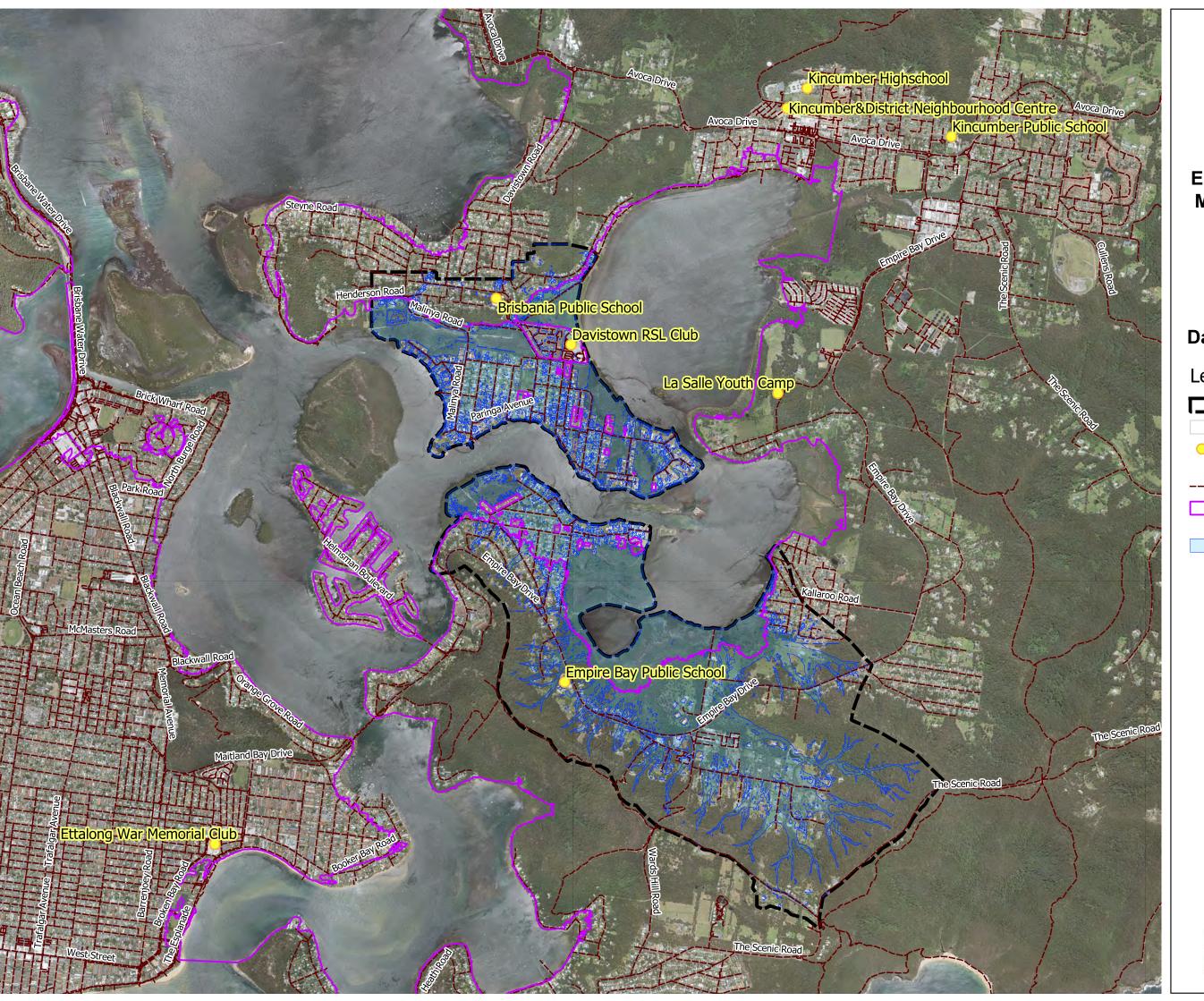


50

100 150 m

Scale: 1:3000@A3 Date: 02 June 2020 Revision : A Created by: JS Coordinate System : Map of Grid

Australia 94





**Map G222 Emergency Response Modification Options** 

**EM01** Review of **Evacuation Centre** Locations

## **Davistown/Empire Bay**

Legend

Study Areas

Cadastre

 Potential Evacuation Centre Locations

--- Roadways

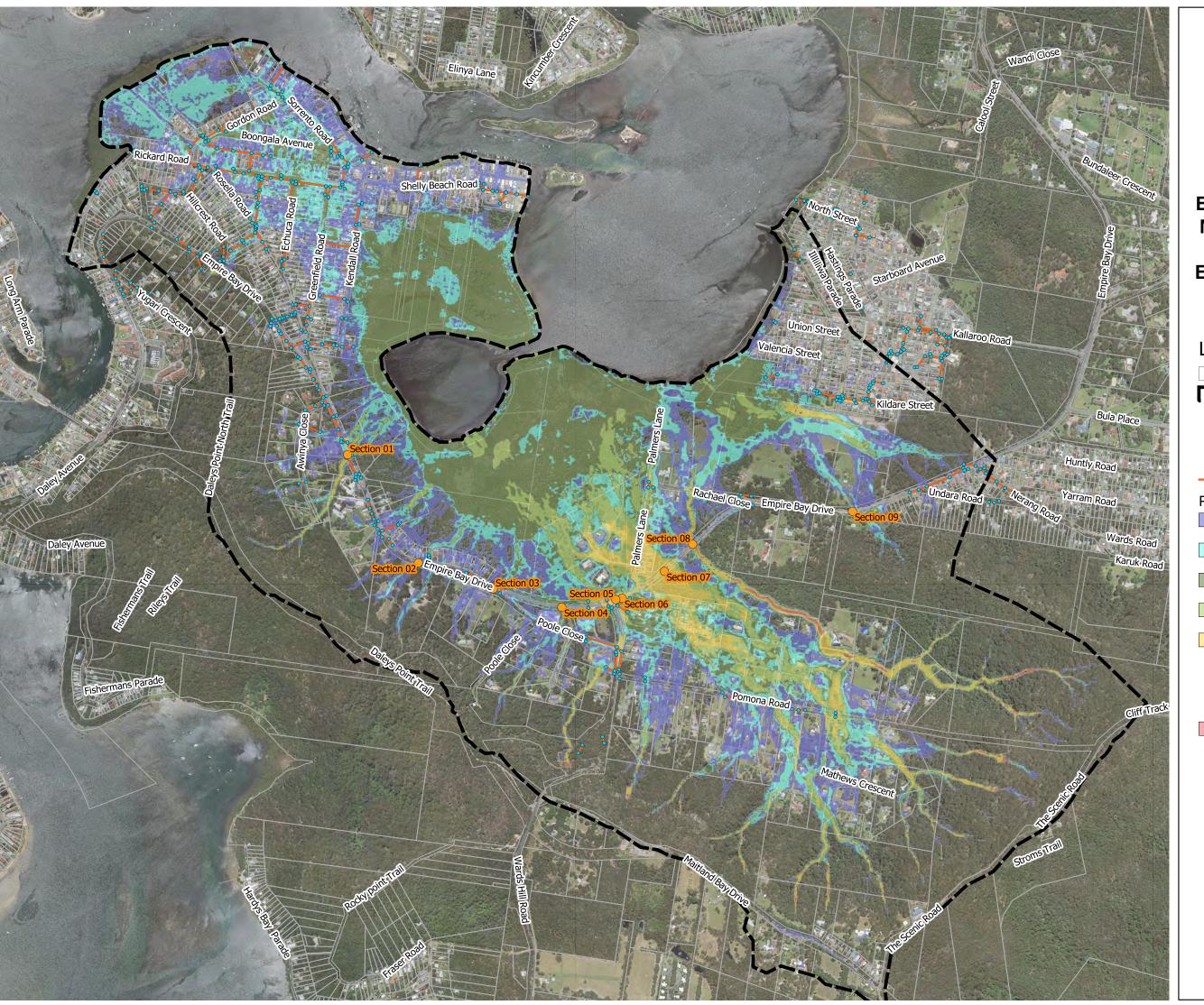
PMF Brisbane Water Flood Extents

PMF Catchment Flood Extents

250 500 750 m

Scale: 1:25,000@A3 Date: 02 June 2020 Revision : A
Created by : JS
Coordinate System : MGA 56







## Map G223 Emergency Response Modification Options

## EM03 Improve Empire Bay Road Flood Immunity

## Legend

Cadastre

Study Area

- Sections of Empire Bay Drive
   Subjected to High Hazard
   (Greater than H2)
- Pits

Pipes/Culverts

#### PMF Hazard

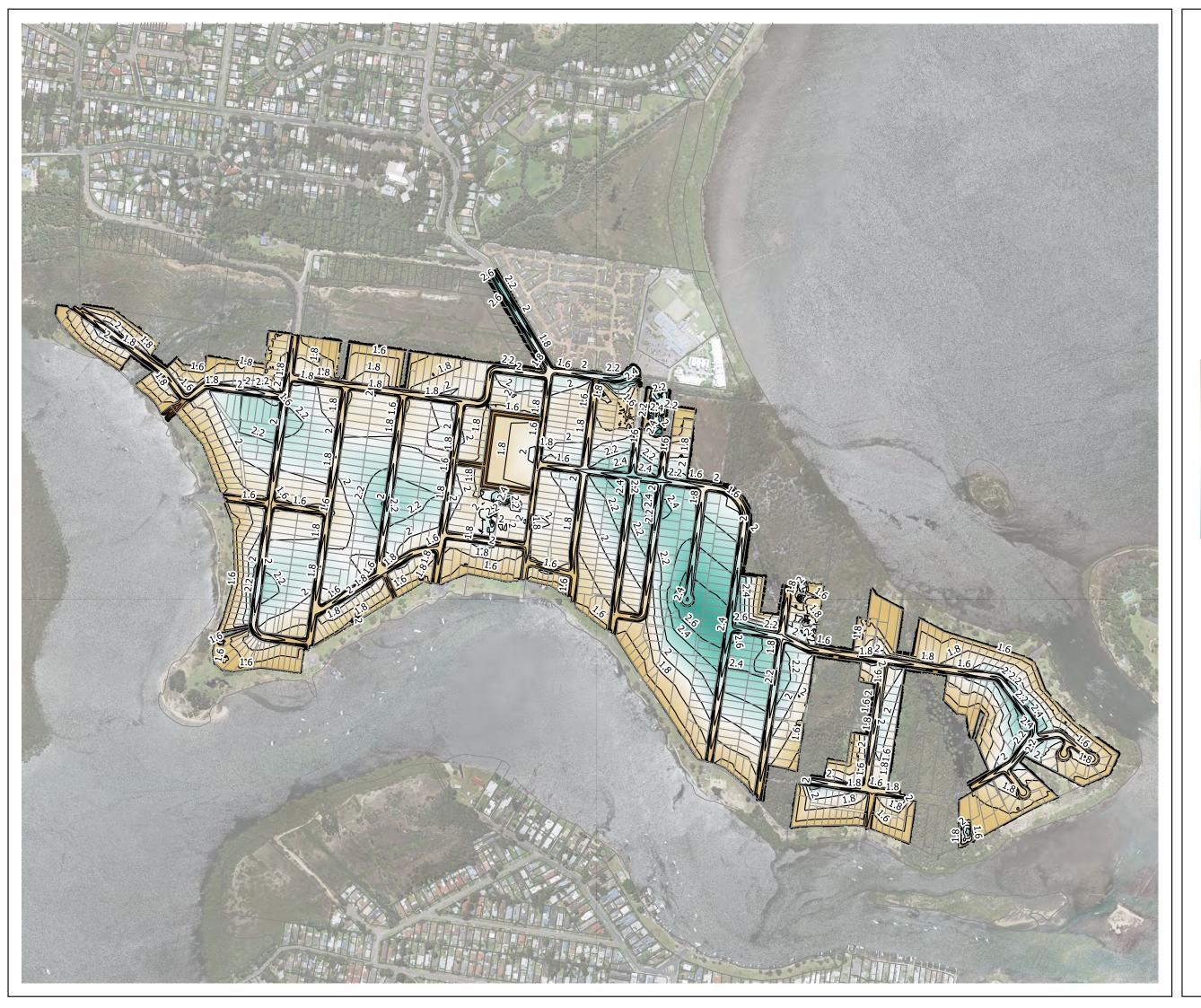
- H1 Generally safe for vehicles, people & buildings
- H2 Unsafe for small vehicles
- H3 Unsafe for vehicles, children and the elderly
- H4 Unsafe for vehicles and people
- H5 Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure
- H6 Unsafe for vehicles and people. All building types considered vulnerable to failure

150 0 150 300 m

Scale : 1:12000@A3 Date : 02 June 2020 Revision : B Created by : JS

Created by : JS Coordinate System : Map Grid of Australia 94







## Map G230 Final Landform Davistown

## Legend

— Contours (0.2m)

Cadastre

Terrain (m AHD)

1 2

1.25

1.5 1.75

2

\_

2.25 2.5

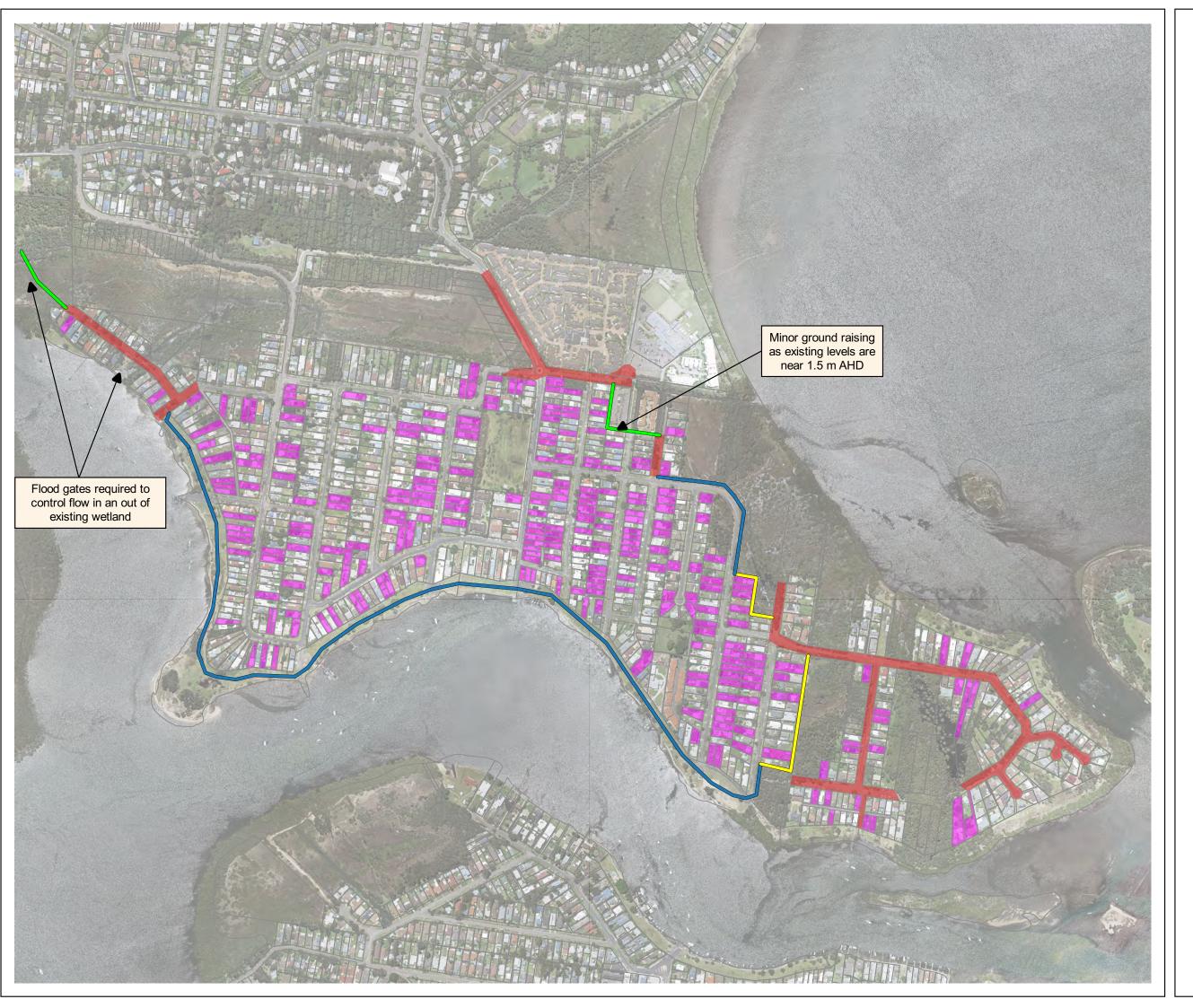
2.75

3

100 0 100 200 m

Scale: 1:7000@A3
Date: 02 June 2020
Revision: A
Created by: JRF
Coordinate System: Map Grid of
Australia 94







## **Map G231 Interim Landform** Scenario **Davistown**

## Legend

Cadastre

Proposed Levee at 1.5 m AHD

Berm

Retaining Wall

Shared Pathway

Landform Raised

Roadways

Preperties

100 100 200 m

Scale: 1:7000@A3
Date: 02 June 2020
Revision: A
Created by: JRF
Coordinate System: Map Grid of
Australia 94







# Map G232 Final Landform **Empire Bay**

## Legend

—— Contours (0.2m)

Cadastre

Terrain (m AHD)

8.0

1.2

1.4

1.6

1.8

2.2

2.4

2.6

2.8

0 50 100 150 200 m

Scale: 1:5000@A3
Date: 02 June 2020
Revision: A
Created by: JRF
Coordinate System: Map of Grid
Australia 94

