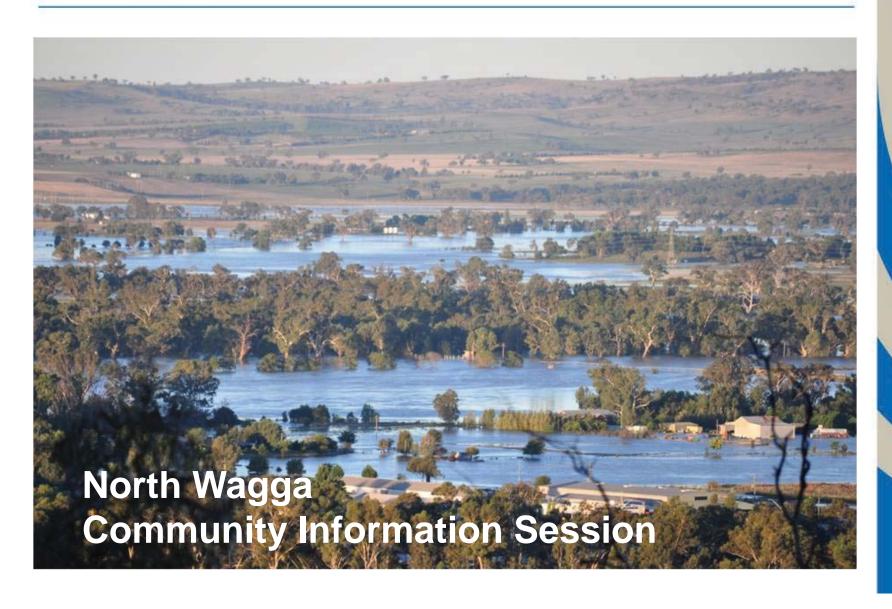


Main City and North Wagga Levee Upgrade Project



Welcome



Presentation outline

What is the levee upgrade project?

What work has happened to date?

Where are we now?

Questions

How will the proposed upgrade impact on me?

Questions

How do I review the documents?

Questions

How can I share my views?

How can I get further information about my property?

<u>Questions</u>



Brad Jeffrey

Levee Upgrade Project Manager



What is the levee upgrade project?

- Increasing the height of the Main City Levee to provide protection against a 1 in 100 year river height
 - Currently 1 in 60
- Increasing the height of the North Wagga Levee to provide protection against a 1 in 20 year river height
 - Currently 1 in 17



Flood heights and history





History of the Levees

North Wagga Levees

- Temporary levees built since 1930's
- Levee formalized in 1990 to what was then thought to be a 1 in 20 yr level of protection

Main City Levee

- Following the 1956 floods, planning started
- Levee constructed in 1960
- Levee height increased following 1974 flood



What work has happened to date?

Geotechnical Survey

Aerial Laser Survey

2007/08

Topographical Survey

2008/09

2D Modelling

2009/10

Freeboard Analysis & Report

Preliminary Environmental Planning overview

Levee Design Levels

NSW Public Works Engaged

Flood

Concept Design Report

2010/11

Flood



What work will follow this?

Now - March 2013

Review of Environmental Factors

Community Engagement Plan

March 2013 - March 2014

Detailed Design

2014 - ongoing

Construction

Ongoing lobbying to the State & Federal Governments and grant applications to existing programs



Project Funding

The estimate for the upgrade of the levees, based upon the concept designs is \$18.8M.

Main City Levee = \$11.3 Million North Wagga Levees = \$7.5 Million

This estimate will be refined as part of the detailed design process.



Review of Environmental Factors

Reuben Robinson GHD



Environmental issues

- Biodiversity (flora and fauna)
- Soils and water quality
- River flow and flooding
- Land use and property
- Noise and vibration
- Air quality
- Visual impacts



Environmental issues (cont)

- Aboriginal and European heritage
- Traffic and access
- Social and economic impacts
- Waste management

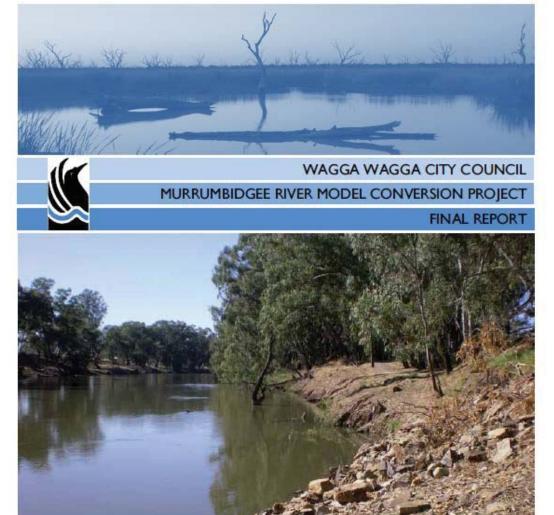


QUESTIONS

- What is the levee upgrade project?
- What work has happened to date?
- Where are we now?



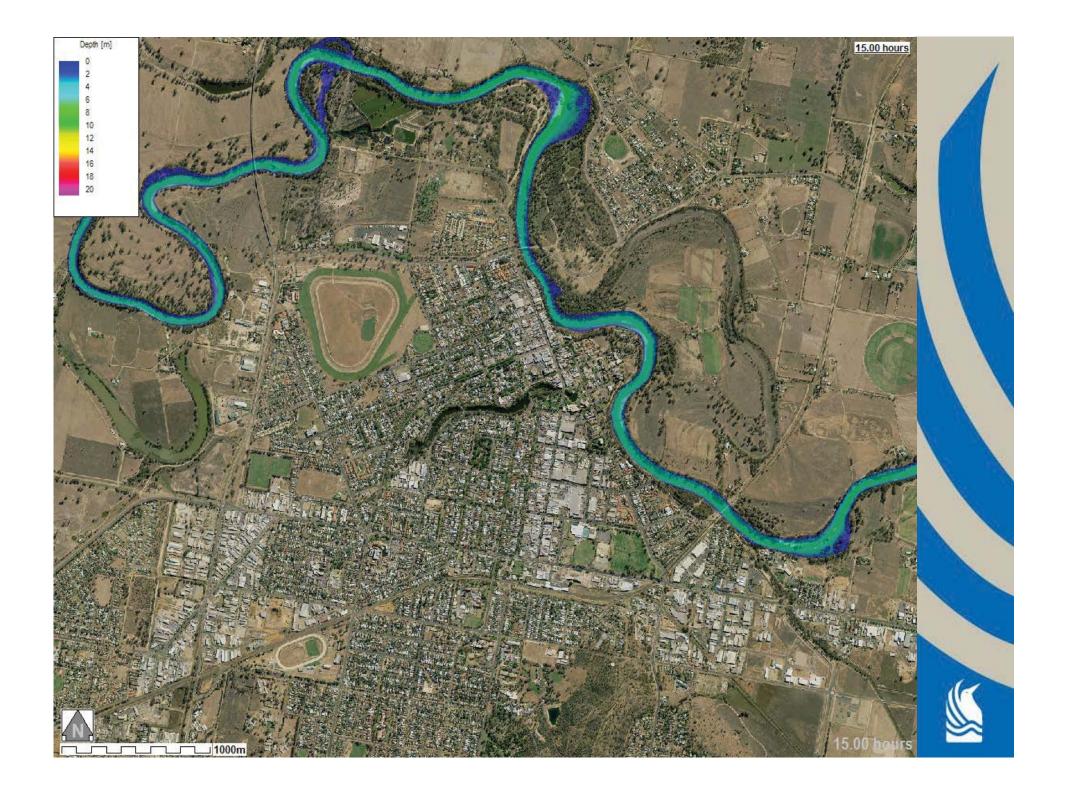




What is Flood Modelling?



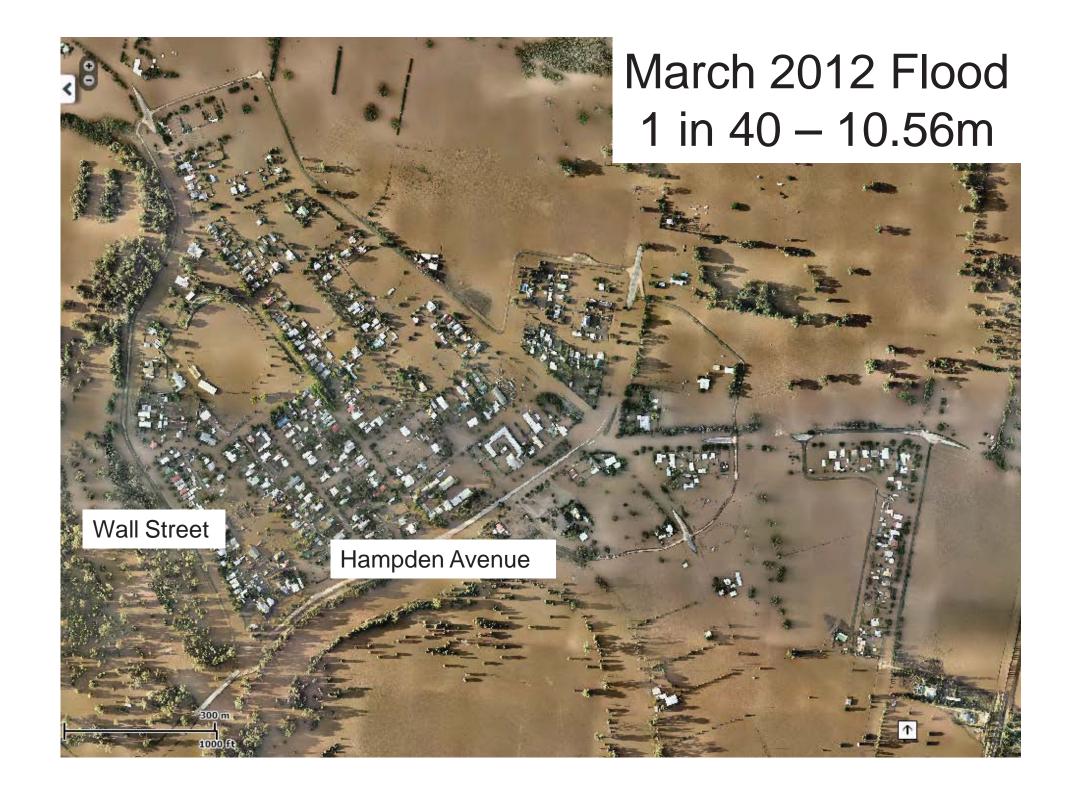


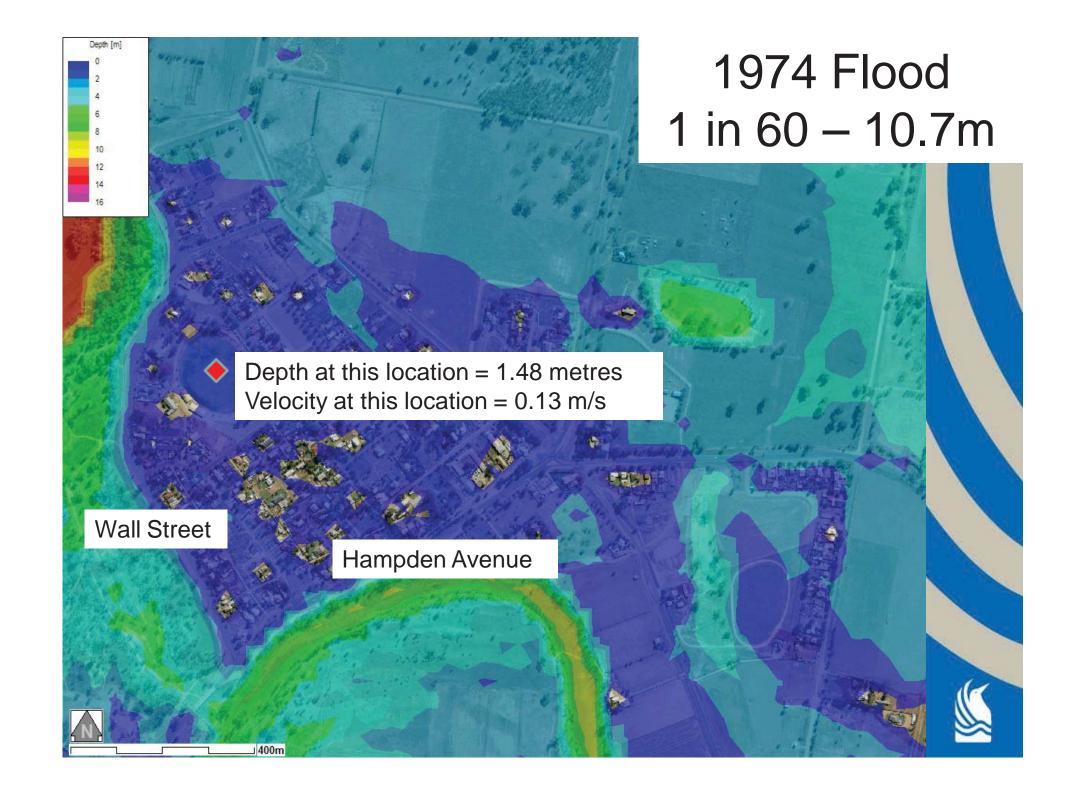


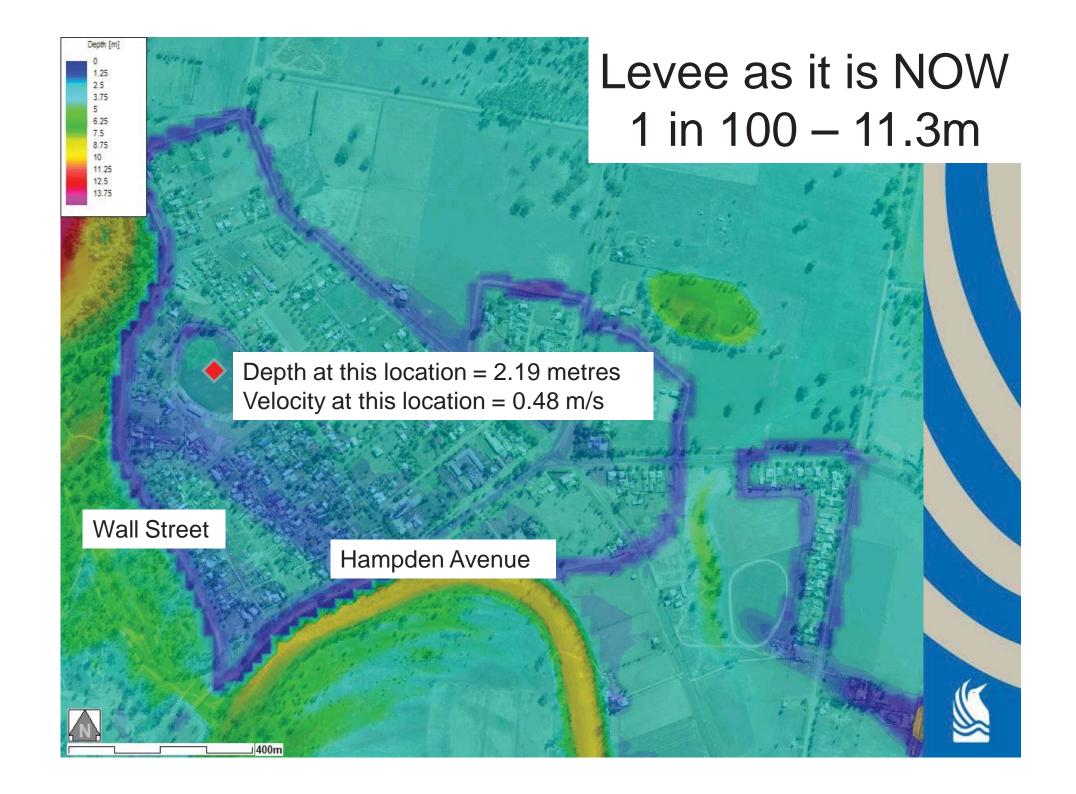


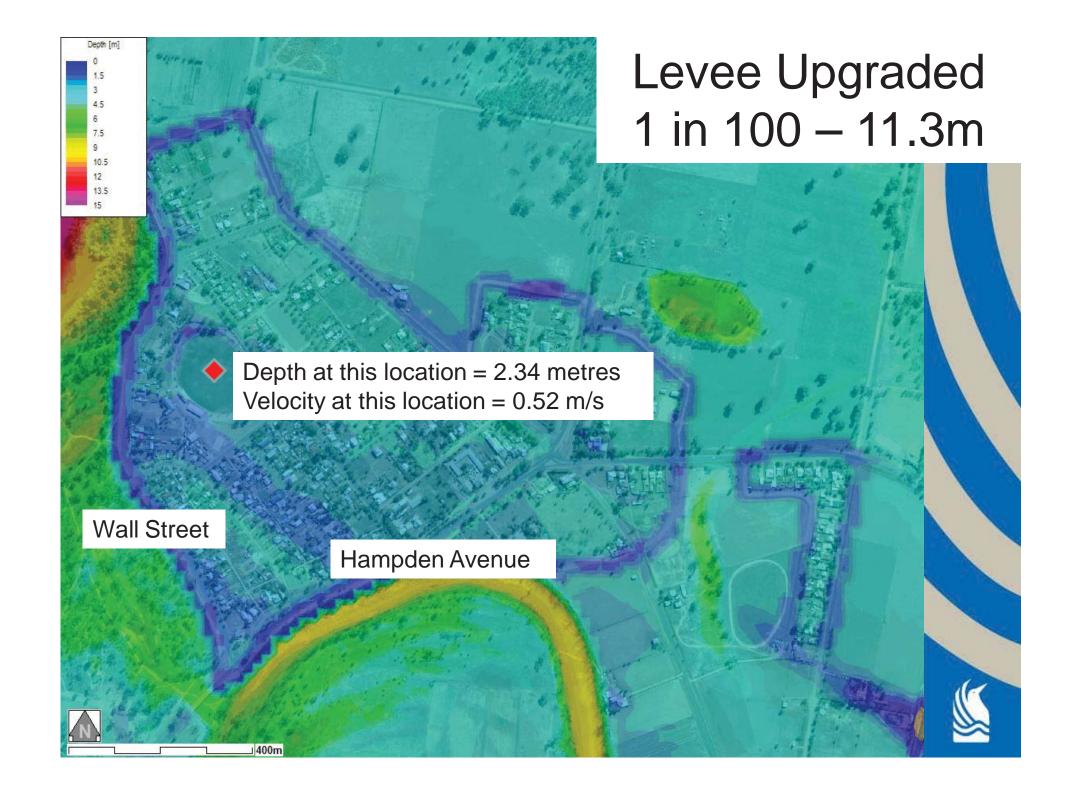
What impact will an upgraded levee have on North Wagga?



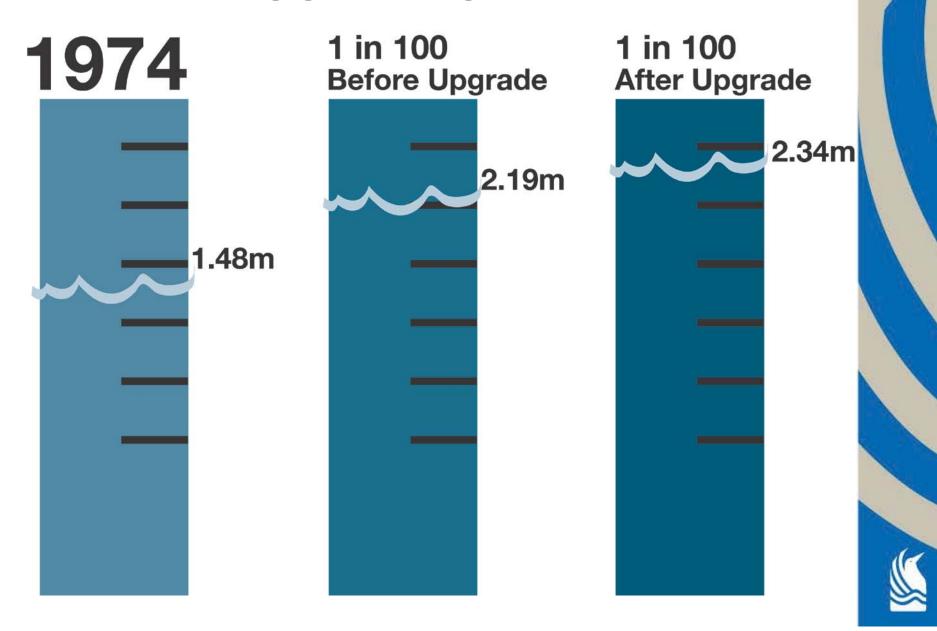








North Wagga height differences

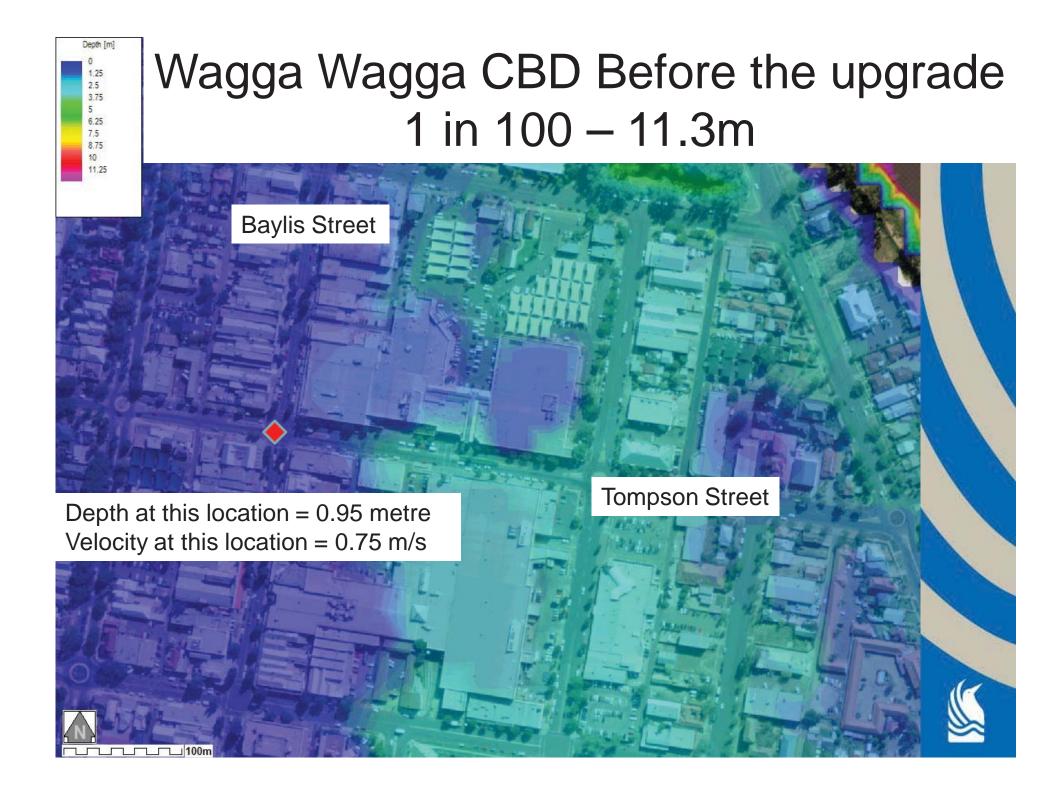


North Wagga

an approximate increase of

0.15 metre in a 1 in 100 yr flood

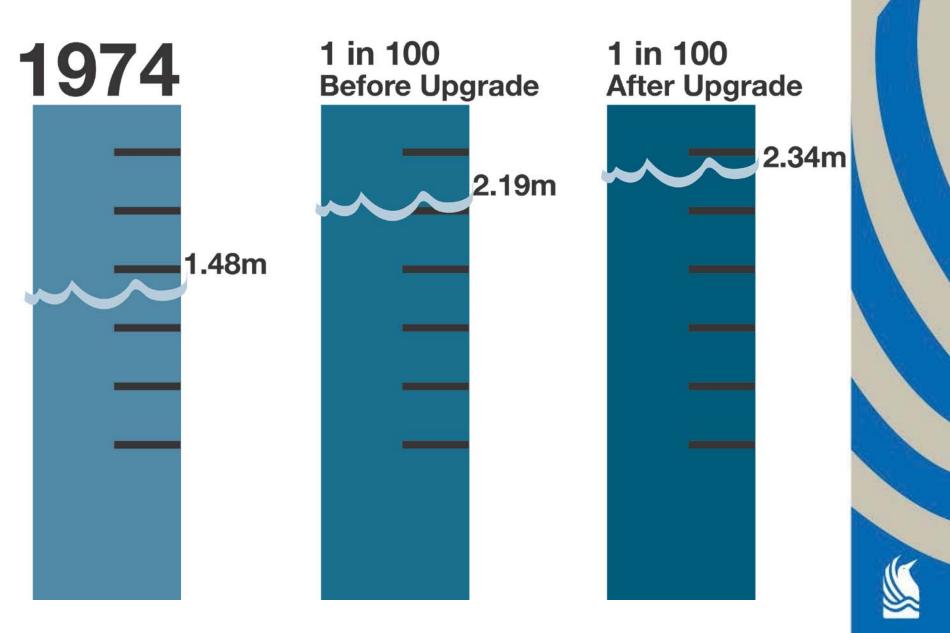




Wagga Wagga CBD After the upgrade 1 in 100 – 11.3m

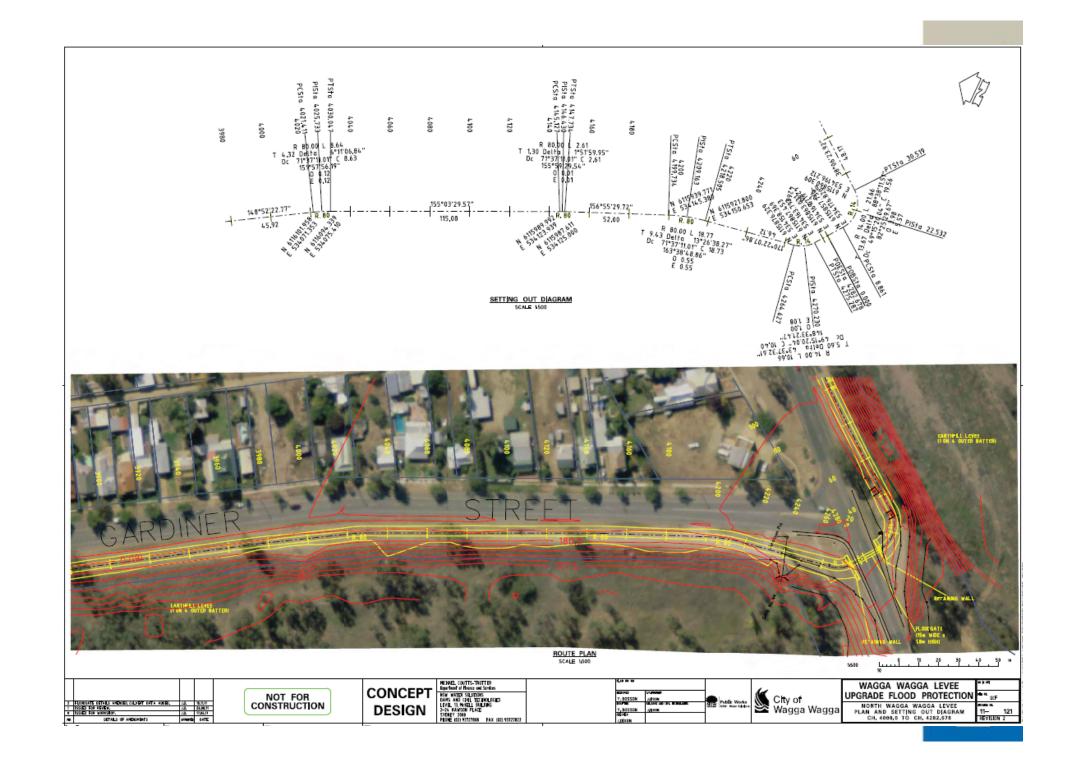


QUESTIONS

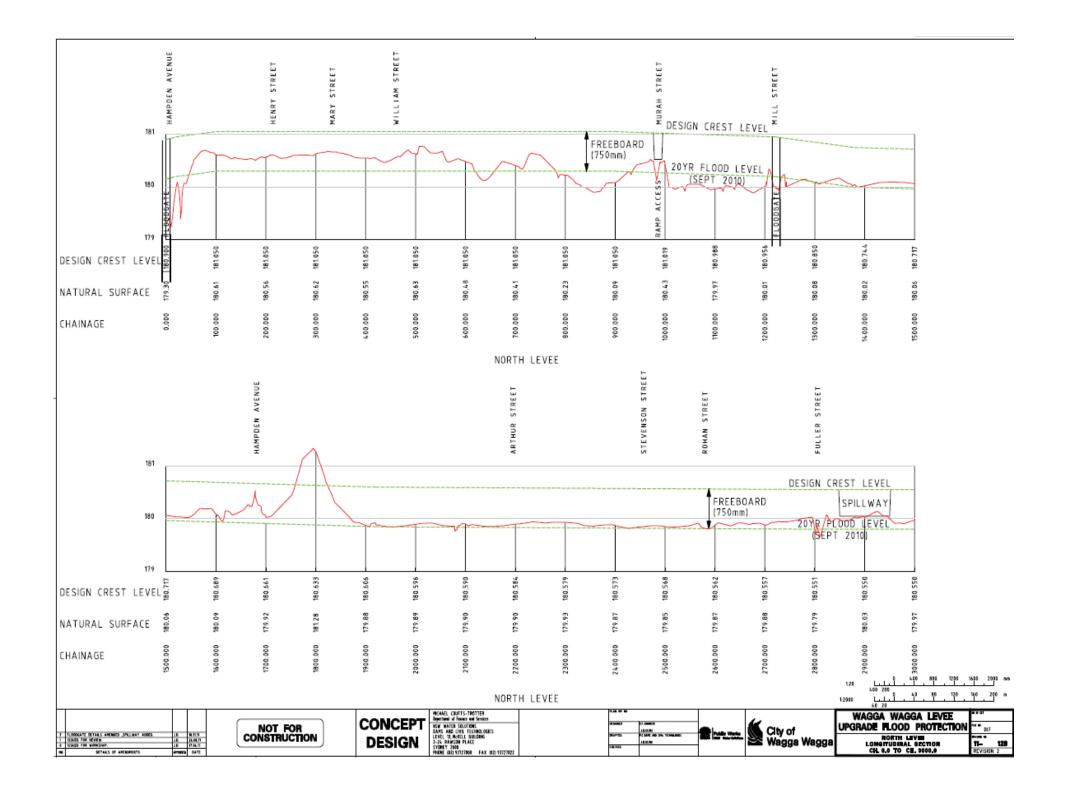


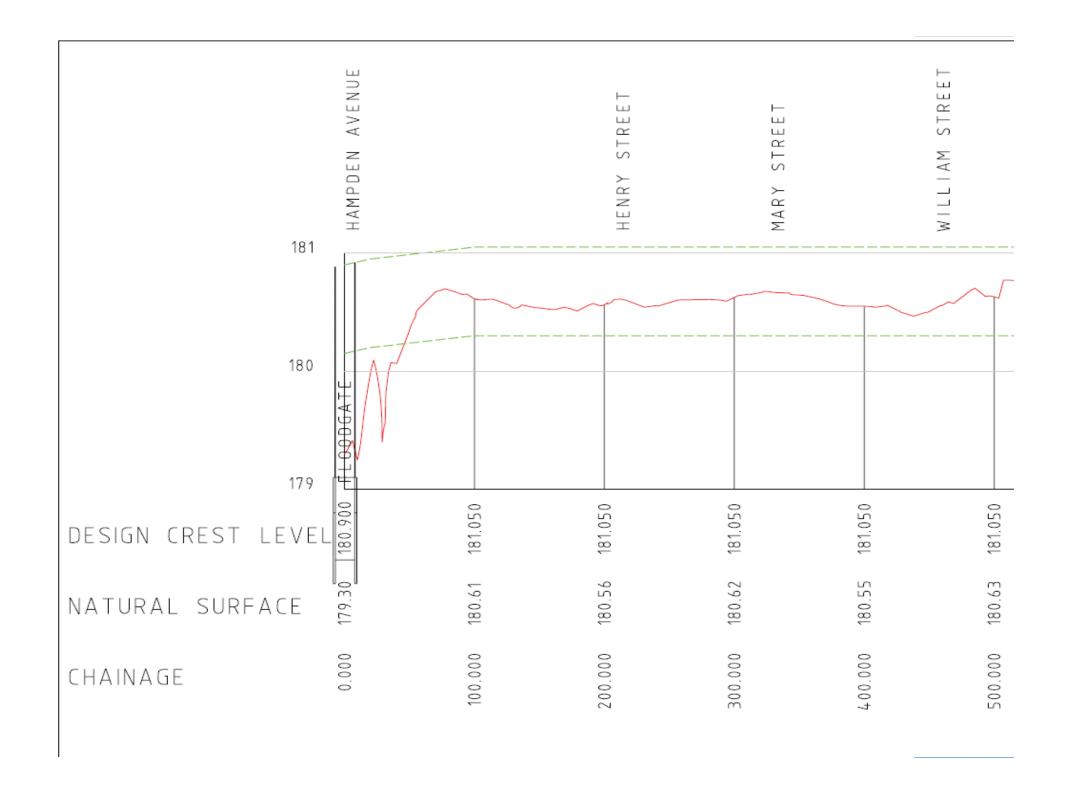
How do I interpret the documents?













QUESTIONS

Reading the designs



How do I get further information and assistance?



www.wagga.nsw.gov.au/floodfutures



1300 292 442



leveeupgrade@wagga.nsw.gov.au



How can I share my views?



www.wagga.nsw.gov.au/floodfutures



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