

5. Wedge Street Pipe Upgrade

WHAT IS THE PROJECT?

This project involves upgrades to parts of the drainage system near Wedge Street and Orton Street, including the area around Ocean Grove Memorial Reserve.

This option would involve upgrading parts of the underground stormwater pipe network to increase the capacity of the local drainage system.

The area around Ocean Grove Memorial Reserve does not currently drain as effectively as other areas, which can lead to stormwater ponding during heavy rainfall. This option may help reduce ponding by improving how stormwater is captured and conveyed through the drainage network, including some flows from upstream areas.

HOW WOULD THIS HELP?

- > The study suggests this option could reduce flood risk for approximately 16-21 properties during an intense rain event (1 per cent AEP).

FURTHER INFORMATION:

- > Final costs for this project are highly dependant on the potential impacts or clashes with the existing underground services.
- > Preliminary independent analysis suggests that this option will involve a significant cost and constructability risk.
- > Increased downstream impact may also require upgrades to Begola wetlands which is environmentally significant.

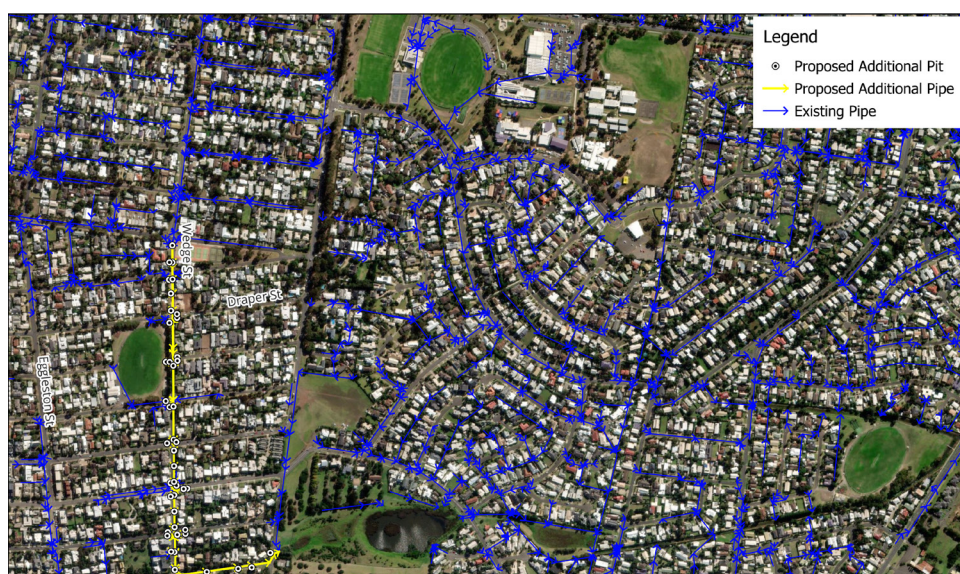


Figure 13: Wedge Street Pipe Upgrade.

WHAT DOES FLOOD RISK LOOK LIKE IF THIS PROJECT IS BUILT?

The diagrams below show the modelled change in flooding if this option was delivered.

Green = Decreased flooding Pink = No longer occur for the event shown.

Different shades of green show different levels of flood reduction. In some areas, even a small reduction in flood depth may help reduce the potential impact of flooding during a major storm event.

Modelled flooding risk after project built (20 per cent AEP)



Figure 14: 20 per cent annual exceedance probability (AEP) modelling results.

Modelled flooding risk after project built (1 per cent AEP)



Figure 15: 1 per cent annual exceedance probability (AEP) modelling results.

INDICATIVE PROJECT COST

High – more than \$5 million.

IMPLEMENTATION TIME

Long-term – more than 10 years.

CAN THIS OPTION BE STAGED

No - the full project would need to be completed at one-time.