

In partnership with:





































Wyndham City Council would like to pay respect and acknowledge the Bunurong and Wadawurrung People's as the Traditional Custodians of the land on which Wyndham Council is located.

## **Community Priorities and the Council Plan**





- Improve public open spaces
- Revegetation planning
- More trees
- Increase tree canopy
- Protect grasslands
- Take the lead on climate and environmental action

#### **CHALLENGES:**

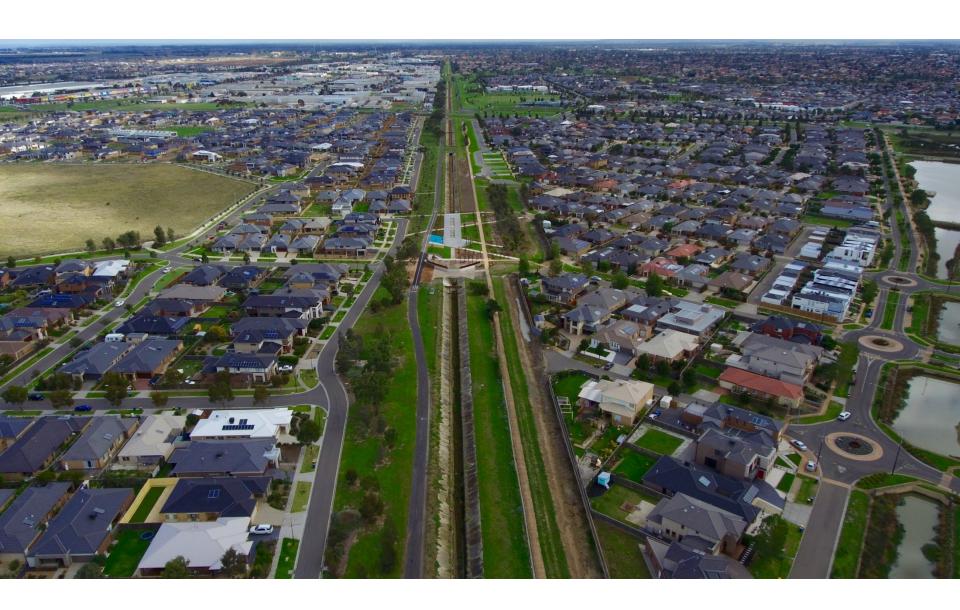
- Wyndham has the lowest tree canopy in the nation: 5.4% covered by trees, according to RMIT study.
- Low rainfall, 500-600mm annual
- Public Open Space Deficit in older suburbs including Tarneit, Werribee, Hoppers Crossing

We're working to cover 25% of our streets and 35% of open spaces by 2030.

We're planting 20,500 trees this year as part of the Zone 5 works, between Skeleton Creek and Forsyth Road.



**Greening the Pipeline Zones map** 



## **Collaborative Funding:**

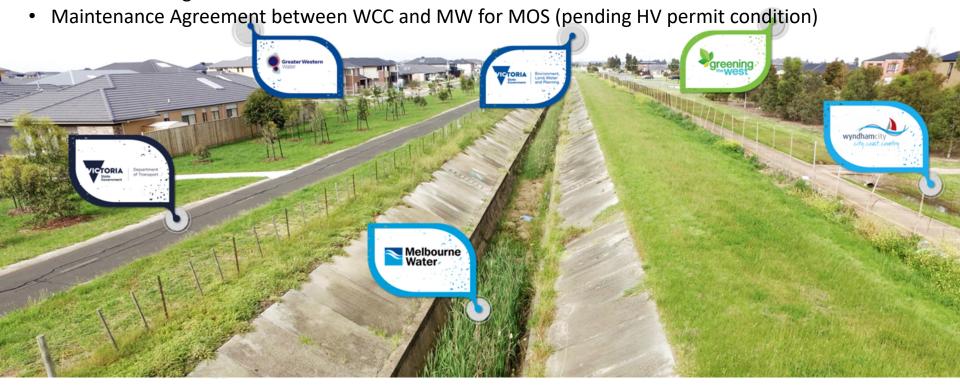
- \$9M State Government DELWP Suburban Parks Program and IWM
- Project Coordinator role at Council funded by Melbourne Water and Greater Western Water
- \$300k funding from Melbourne Water's Living Rivers towards Zone 5 Stormwater Harvesting Scheme
- \$1M funding from Greater Western Water for Stormwater Harvesting Scheme and
- 20,000 trees planted this year through DELWP Trees for a Cooler Greener West
- WCC Cap Ex approx. \$3M



## **Greening the Pipeline Partners**

## **Collaborative Management and Maintenance:**

- Sec 15RMA Agreement between WCC and DoT
- Operation and Maintenance Agreement between GWW and WCC for Stormwater Harvesting Infrastructure
- Asset transfer Agreement between WCC and MW for Repurposed MOS
- Deed of Agreement between DoT and MW, to be amended to include WCC
- Maintenance Agreement between WCC and MW for Pilot Park



## **Greening the Pipeline Partners**

## Heritage

Listed on the Victorian Heritage Register for its scientific (engineering) significance to Victoria.









### Heritage

#### **MAIN OUTFALL SEWER - Permit Exemption Policy**

The whole of the Main Outfall Sewer is a vitally important component of the sewerage system constructed to service Melbourne metropolitan area at the end of the nineteenth century. The elements that characterise the entire sewer are open brick lined channels, open concrete channels, covered brick lined channels, brick aqueducts, brick road bridges, concrete road bridges. It is intended that the sewer should be retained and conserved in such a condition that it is able to illustrate its function and construction. Since its replacement by the Western Trunk Sewer, the Main Outfall Sewer's function has been made redundant and instead the reserve will be mainly used as a recreational trail. It is intended that there will be agreement between the owners, managers and Heritage Victoria to ensure that in making safe the sewer, evidence of its existence will not be swept away. Instead, safety and repair work will be undertaken to an agreed methodology which will ensure public safety, minimise negative effect on the cultural heritage values and maximise potential for interpretation of those values. Until such time as this agreement is formalised into a permit exemption, the general exemptions listed below should remain in force.

over recent years the sewer reserve has been used for the dumping of hard and soft rubbish, and road waste. As well, weeds and vegetation, including trees, have been allowed to proliferate such that their root systems affect the structural integrity of the sewer. The removal of these threats should be encouraged.

While ensuring that construction of the recreational trail and day to day maintenance of the sewer is enabled without a permit, it is still intended that any major construction or demolition which affects the cultural heritage significance of the structure of the sewer be subject to the permit process, except as listed below.

Copied from <a href="https://vhd.heritagecouncil.vic.gov.au/places/11868">https://vhd.heritagecouncil.vic.gov.au/places/11868</a>



Proposed Community Garden



Sponge Garden

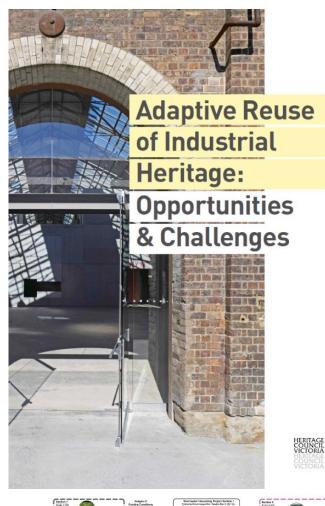






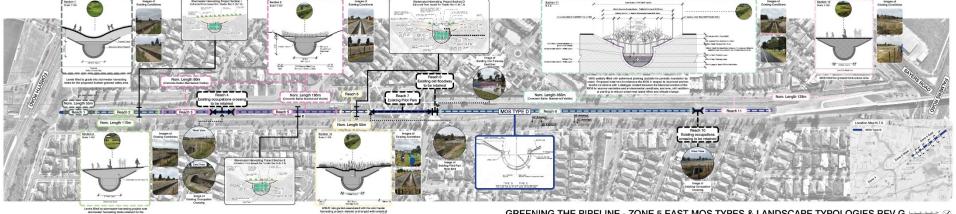






"The best way to conserve a heritage building, structure or site is to use it ...
Adaptation links the past to the present and projects into the future."

'New Uses for Heritage Places.'





The MOS adaptive reuse as a Green Infrastructure Asset, providing Ecosystem services.

Ecosystem services are the benefits people obtain from ecosystems. They help regulate microclimates and reduce pollutants that improve our health and enhance our daily lives. Ecosystem services come from the habitats and environments that support and maintain urban biodiversity as well as the parks and public spaces that we use for recreation, cultural expression and relief from the stresses of daily life.

(AILA Position Statement on Green Infrastructure)

FINDING 14: The incorporation of biophilic design principles can improve physical and mental health outcomes. Parliamentary Inquiry into Environmental Infrastructure for growing populations Feb2022

Heritage Act, Section 101, 2 (d) if the applicant is a <u>public authority</u>, the extent to which the application, if refused, would unreasonably detrimentally affect the ability of the <u>public authority</u> to perform a statutory duty specified in the application;

## **Enhancing Life & Liveability**

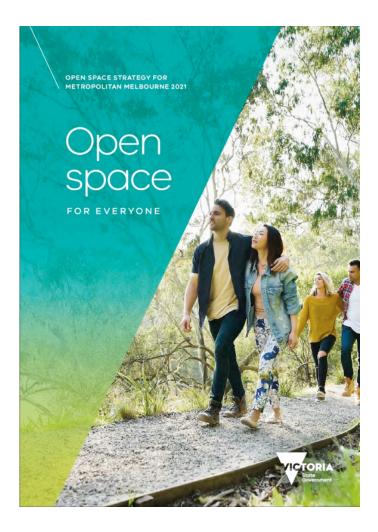
Melbourne Water

Melbourne Water makes a vital contribution to the famous Melbourne lifestyle underpinning human health | enhancing community wellbeing | supporting economic growth | balancing the natural and manufactured environment



Helping to make greater Melbourne a fantastic place to live.

Melbourne Water is the applicant for the Heritage Permit process





Above The Greening the Pipeline initiative is transforming the heritage-listed Main Outfall Sewer (MOS) reserve and the Federation Trail bike path into a parkland. The Pilot Park at Williams Landing (pictured) is the first stage connecting communities and providing shade and cooling, courtesy GHD.

#### A creatively-designed green corridor

The Victorian government is working with Melbourne Water, Wyndham City Council, City West Water, Greening the West and the Department of Transport to transform the heritage-listed Main Outfall Sewer pipeline reserve along the Federation Trail bike path in the western suburbs into a community parkland.

The Greening the Pipeline project will repurpose 27km of the reserve to connect communities, improve cycling and walking options for the area, celebrate its heritage and provide a creatively designed green corridor where water is managed sensitively.

In 2017, Melbourne Water completed the first-stage pilot park at Williams Landing, to demonstrate the potential of the project as a green linear parkland.

This 100m section was designed in collaboration with the local community and project partners. The park incorporates water-sensitive urban design principles and harvests stormwater to green the reserve and reduce stormwater impacts on local waterways and surrounding areas.

The state government has contributed \$9 million to be delivered over three years. This will fund the construction of the next 3.8km section of the parkland project, to improve community connectivity and provide new, high-quality open space between Williams Landing and Hoppers Crossing.

For more information about Greening the pipeline, visit greeningthepipeline.com.au

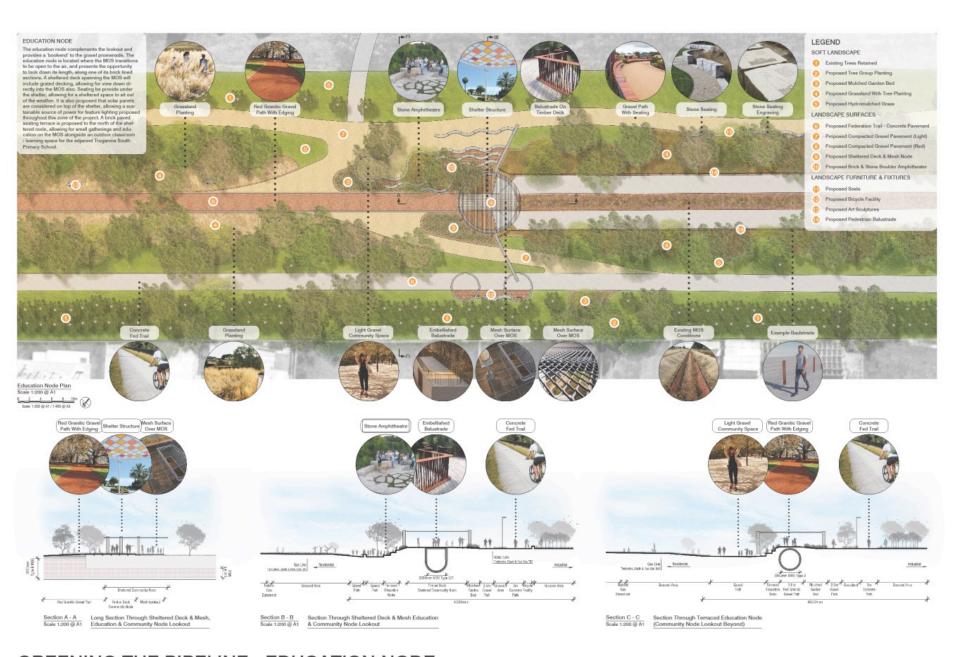




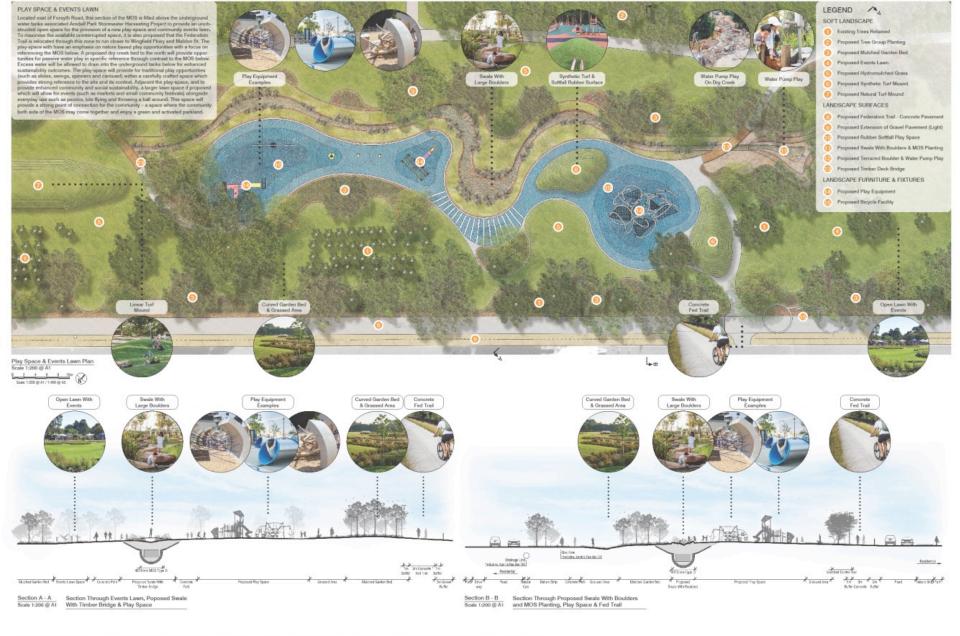


GREENING THE PIPELINE - SKELETON CREEK AQUEDUCT LOOKOUT

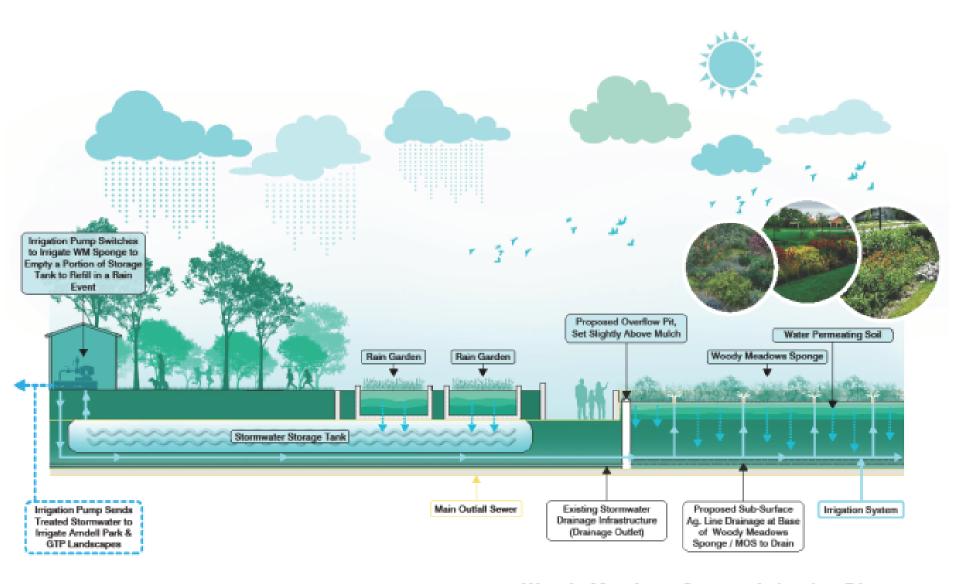




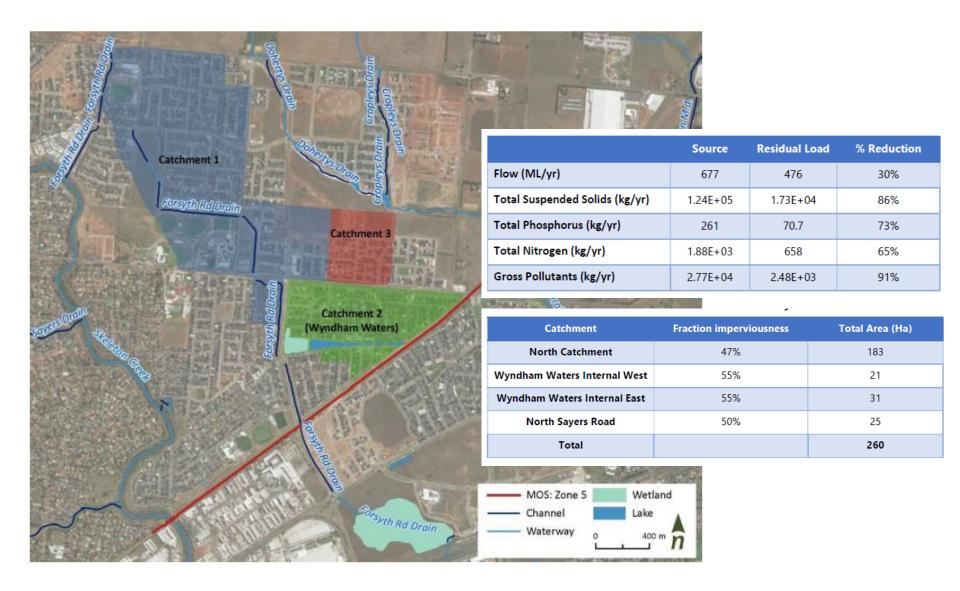
#### **GREENING THE PIPELINE - EDUCATION NODE**



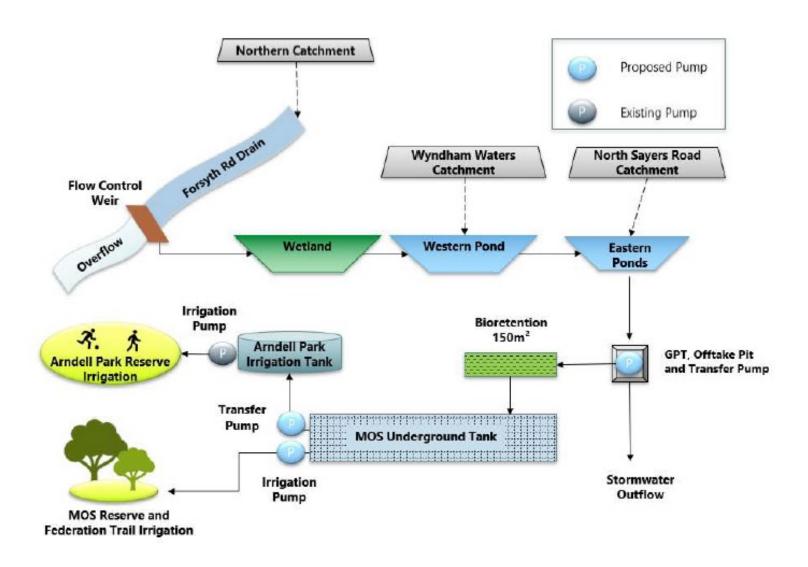
GREENING THE PIPELINE - PLAY SPACE & EVENTS LAWN

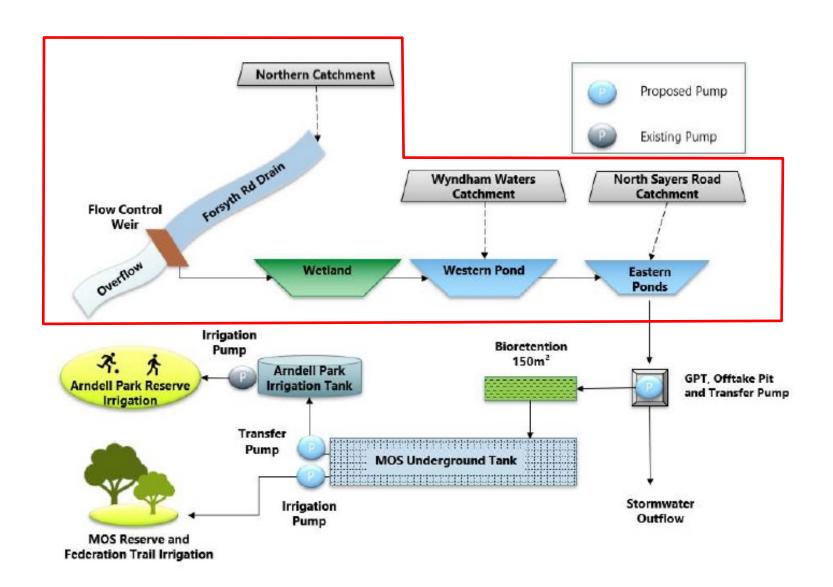


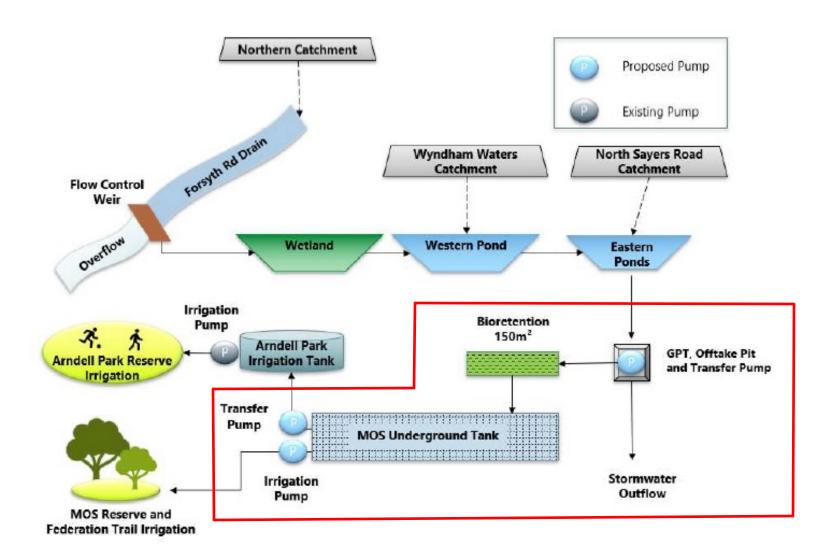
## Stormwater Harvesting Scheme

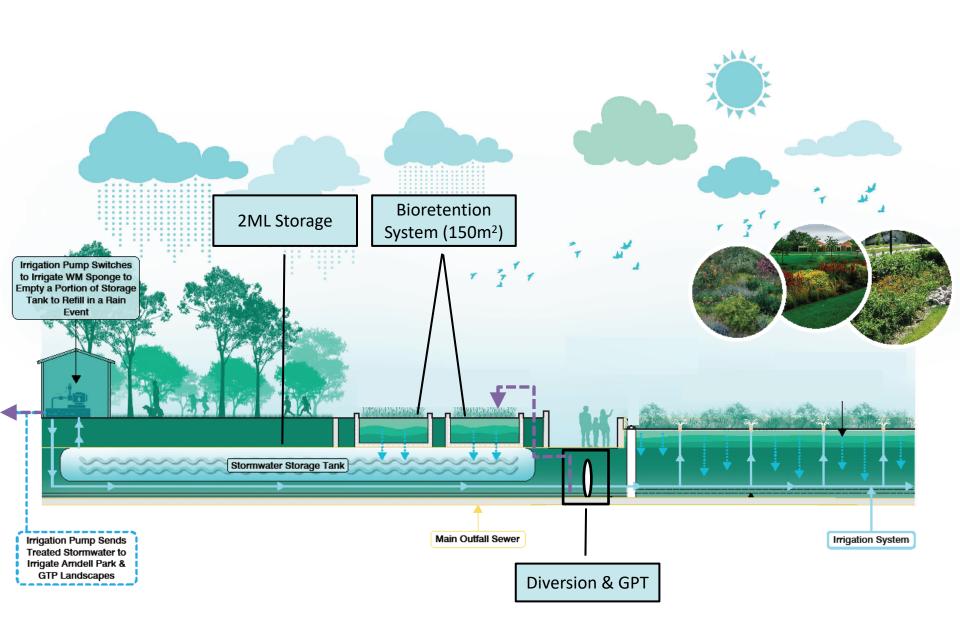


## Stormwater Harvesting Scheme































## TIMELINE Zone 5 East and West

### Civil Works

- Works Commenced
   Feb 2022
- Works approx. 50% complete
- Works due for completion Aug. 2022

### Landscape Works

- Works commence
   June 2022
- Landscape Works complete Feb. 2023
- Planting Sept 2023

Next Steps- Zone 4 Masterplan, Detailed Design and Construction 2023-2026

# Acknowledgements





























# Thankyou



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