

Case Study 2

Evidence-based retrofitting for urban liveability:

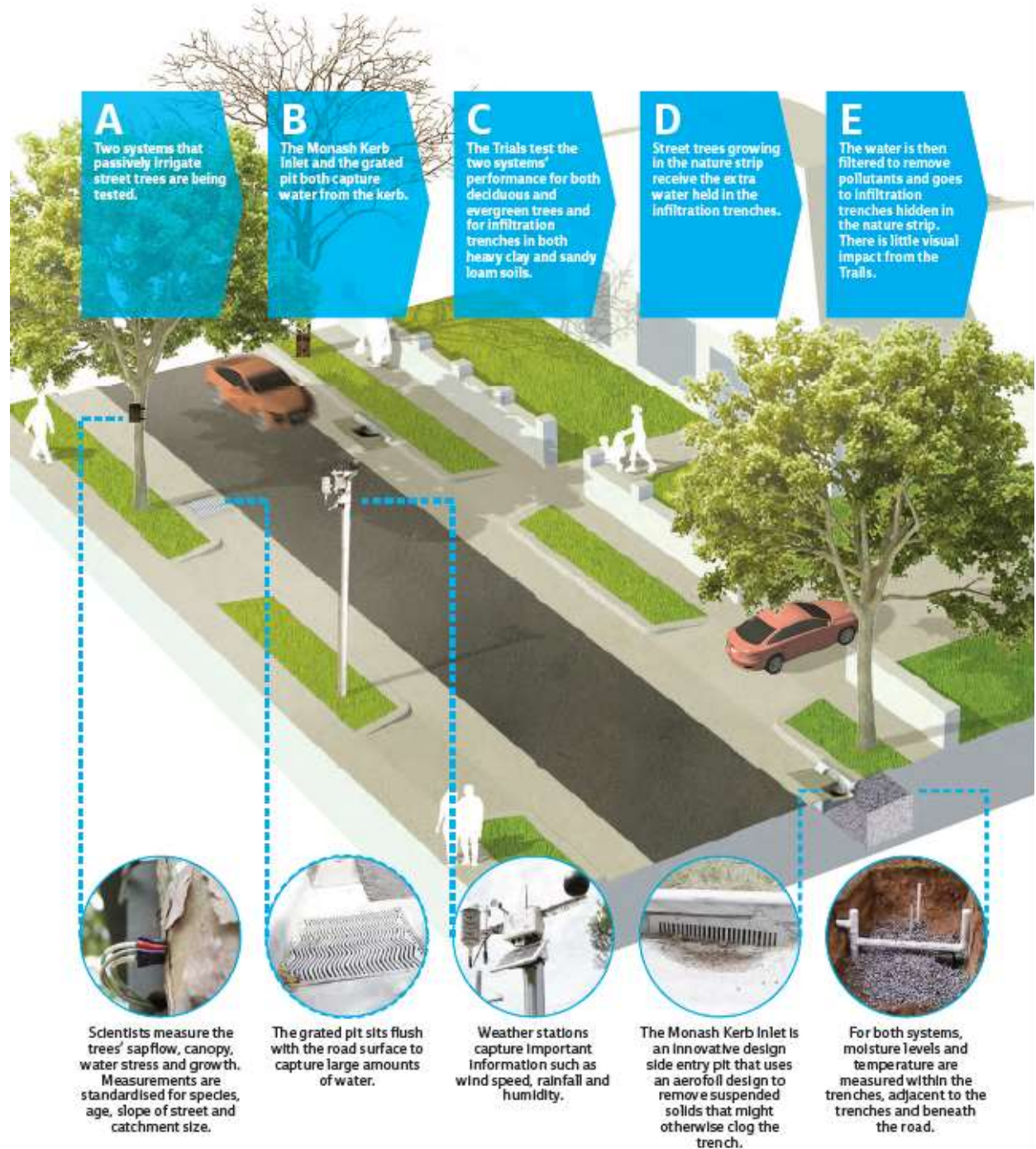
- * Street Tree Passive Irrigation Trials &
- * Guildford Lane “Drain gardens”



CITY OF MELBOURNE

City of Monash: Street Tree Passive Irrigation Trials:

We wanted to Create a system to passively irrigate existing street trees to be retrofitted into existing urban environments.





Street Tree Passive Irrigation Trials:


Keys to Success:

- A great working group
- Be clear about the evidence base
- Sought to understand from others
- Considered all stages of the life of the project (incl. maintenance)
- Understand and promote the co-benefits
- Use Innovation to do something better and enable replication



Evidence-based retrofitting for urban liveability :

Overcoming Challenges and Recommendations:

- Exclude areas where maintenance needs will be high
 - Consider traffic management during installation and maintenance.
 - Consider plant species suitable to their urban context
 - Consider plant species' response to the passive irrigation
 - Be rigorous in identification of all services and be aware of liability
 - Think about replicability to minimise cost and optimise uptake (avoid non-standard locations)
 - Use skilled contractors
 - To see or not to see the messy silt/system
 - maximise exposure for residential education and ownership
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Guildford Lane “Drain Gardens”:

