

LIVING BROOKLYN

A Pathway to Health & Prosperity
at Brooklyn Industrial Precinct

An Integrated Water Cycle Management Approach



E2DESIGNLAB



City West Water



**VICTORIA
UNIVERSITY**

MELBOURNE AUSTRALIA

Living
Victoria

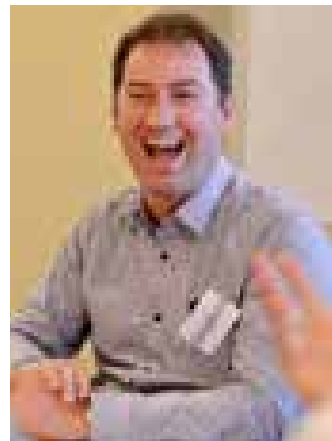


livingvictoria.vic.gov.au

Imagine an industrial area that enhances the environment and positively contributes to the community while increasing its own effectiveness.



bringing together the right people



Brooklyn Industrial Precinct Vision

*World Class Industrial Eco-Park that
is the pride of place for the people
working and living in Brooklyn.*

LIVING BROOKLYN IWCM 20 YEAR VISION STATEMENT

Living Brooklyn Existing Projects and Opportunities

1. Federation Trail Main Outfall Sewer Project
2. Wetlands Project
3. Gateway Site (Crown Land)
4. Jones and Bunting Road IWCM Project
5. Sustainability Victoria Grants for Cleaner Industry
6. Private Industry Efficiency Project
7. Large Sites in single ownership
8. Geelong Road Boulevard
9. Kororoit Creek Remediation
10. Capped Landfill
11. Victrack Land

--- Greening Brooklyn



.....and be grounded in practical solutions





Site plans



Raingardens

framework for action: themes



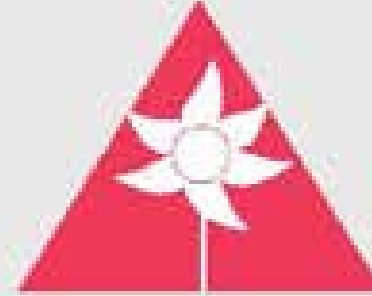
**1. Build
knowledge
and form
connections**



**2. Lead
prosperity**



**3. Value
Water**



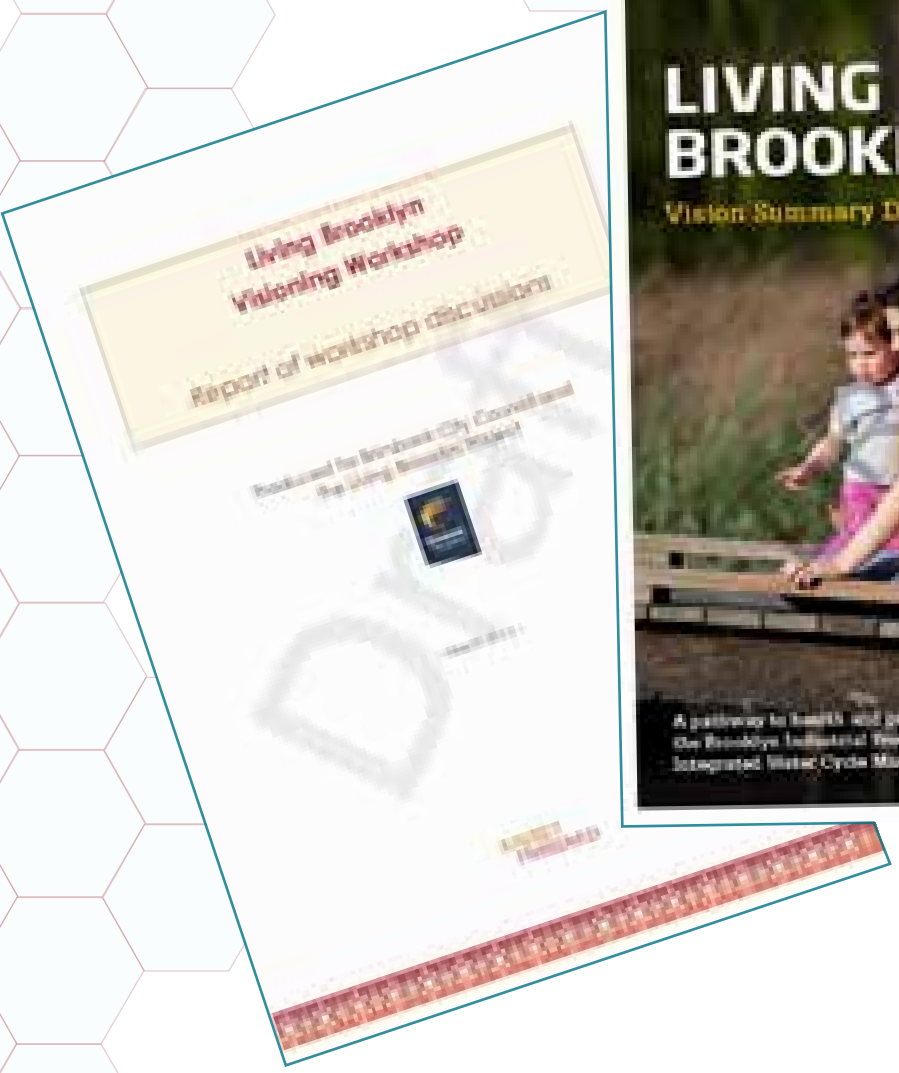
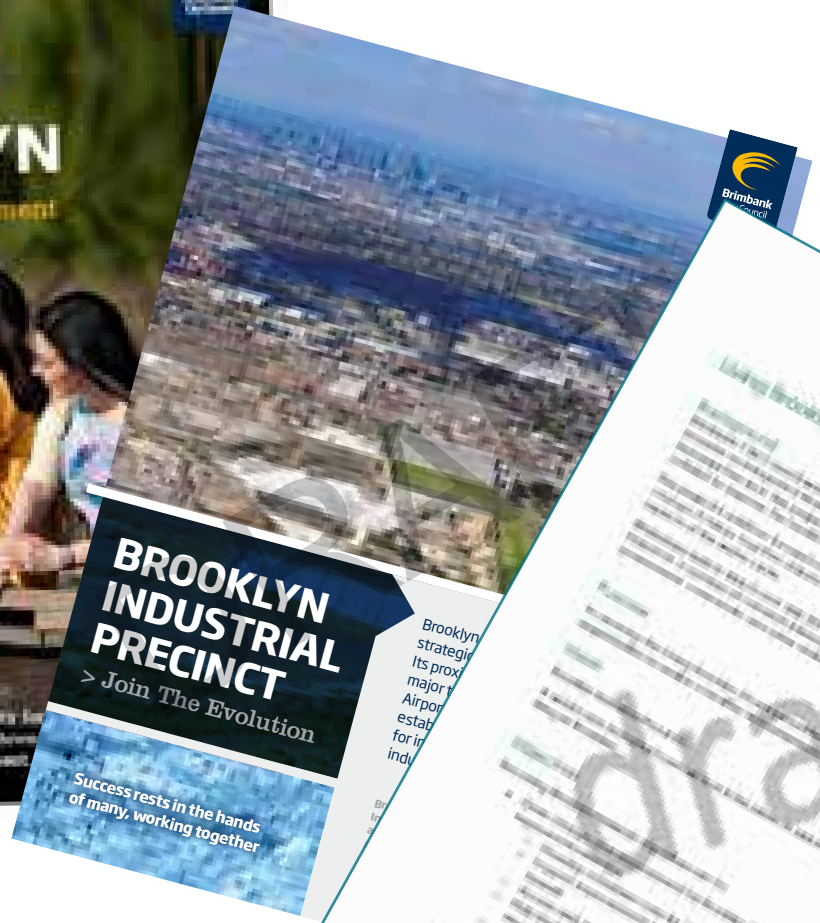
**4. Enhance
Liveability**

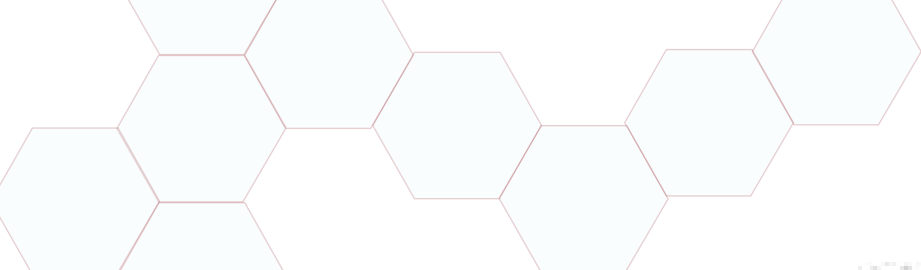


**5. Celebrate
Success**

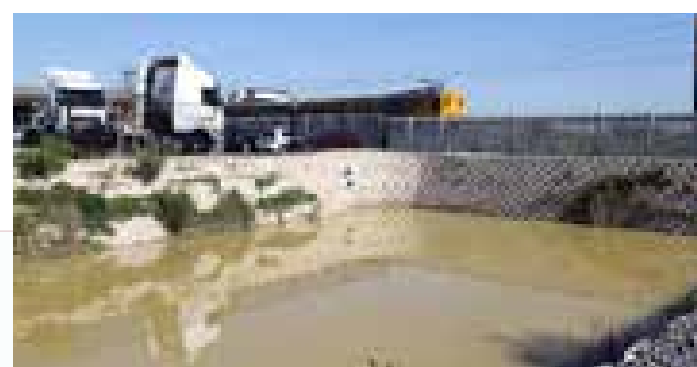


1. Build knowledge and form connections





**2. Lead
prosperity**

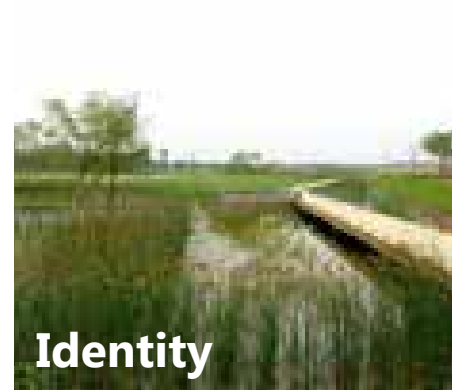




Efficiency



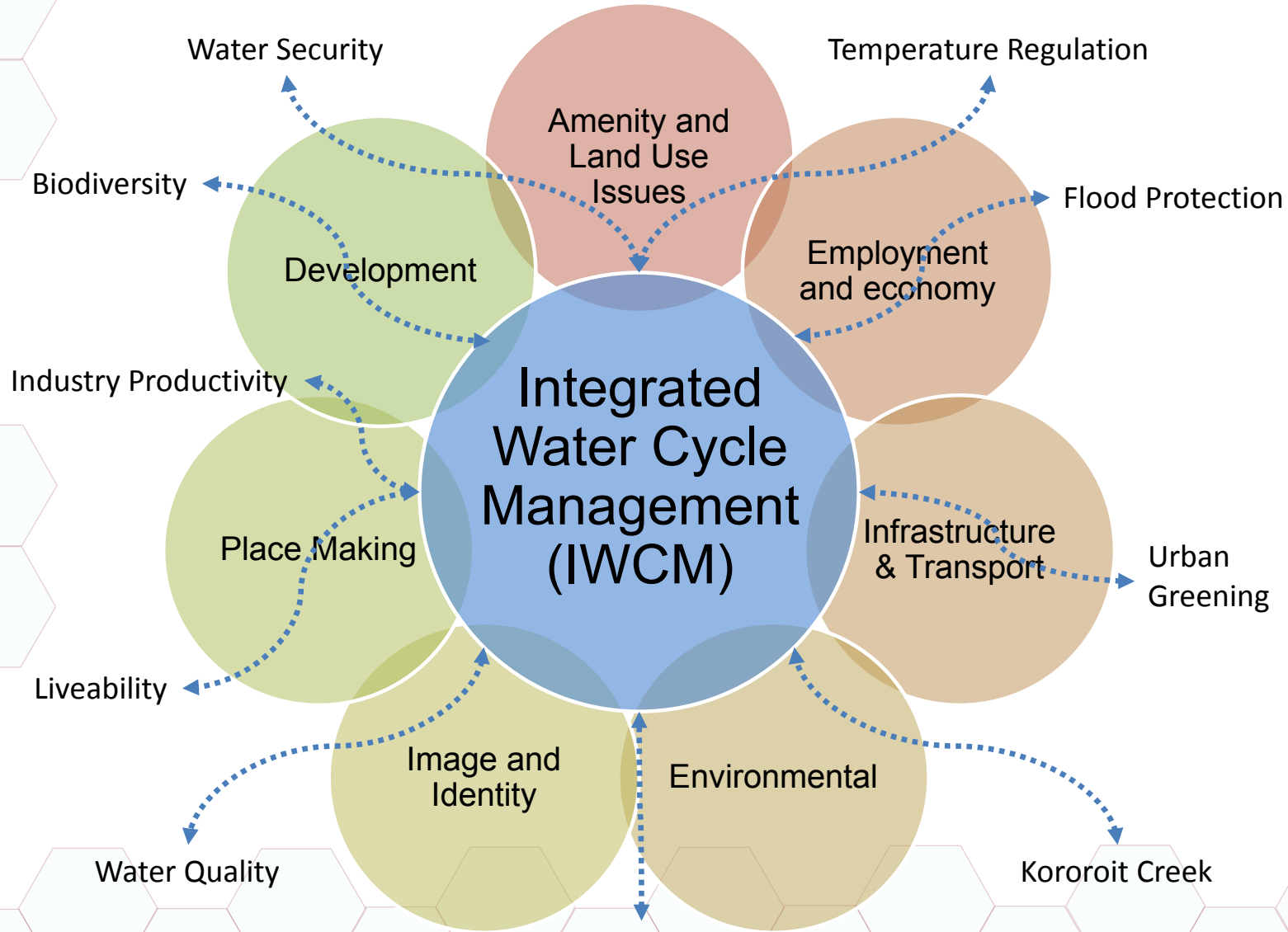
Health



Identity

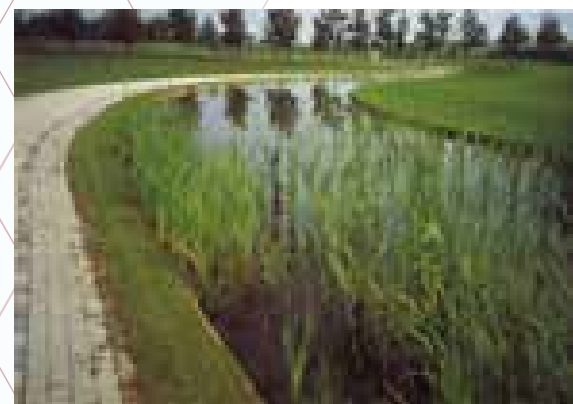


**3. Value
Water**

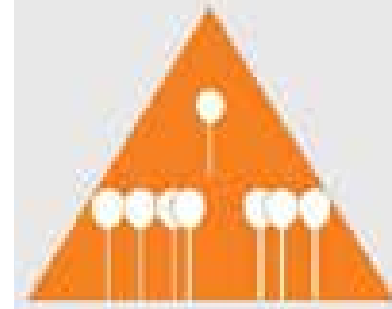




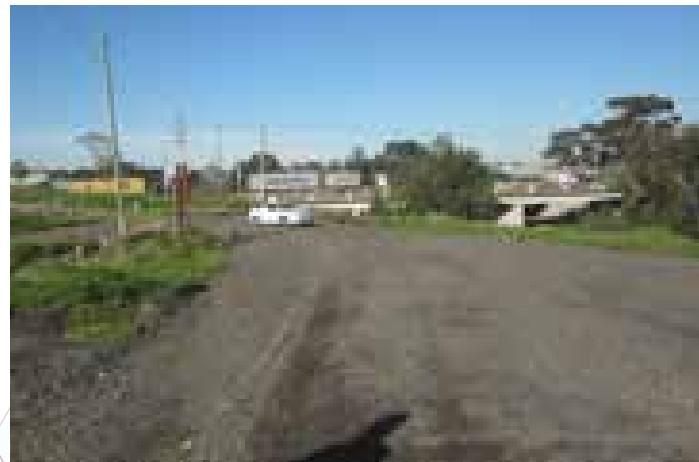
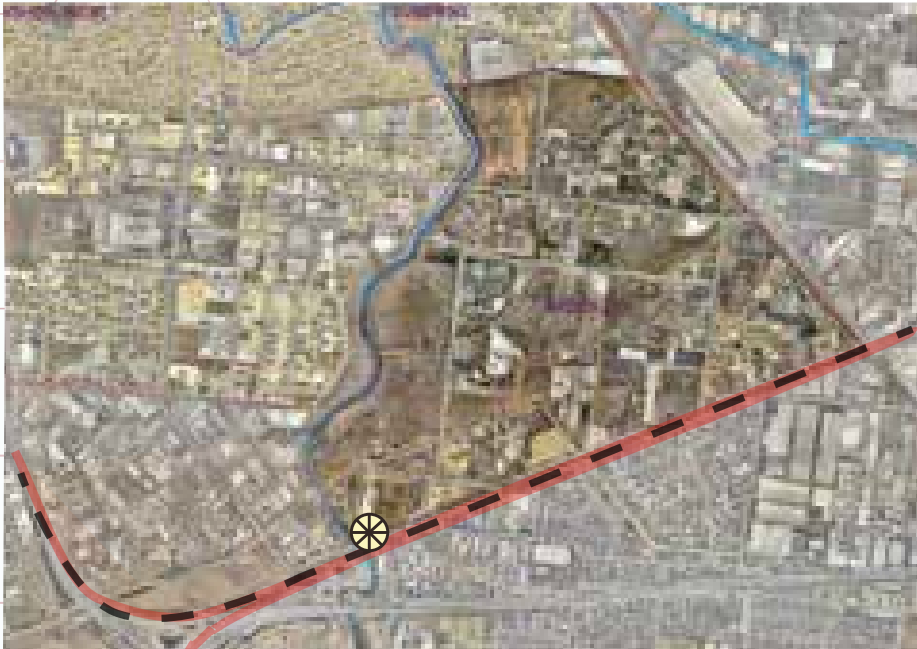
4. Enhance Liveability



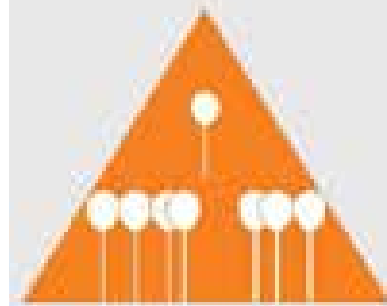
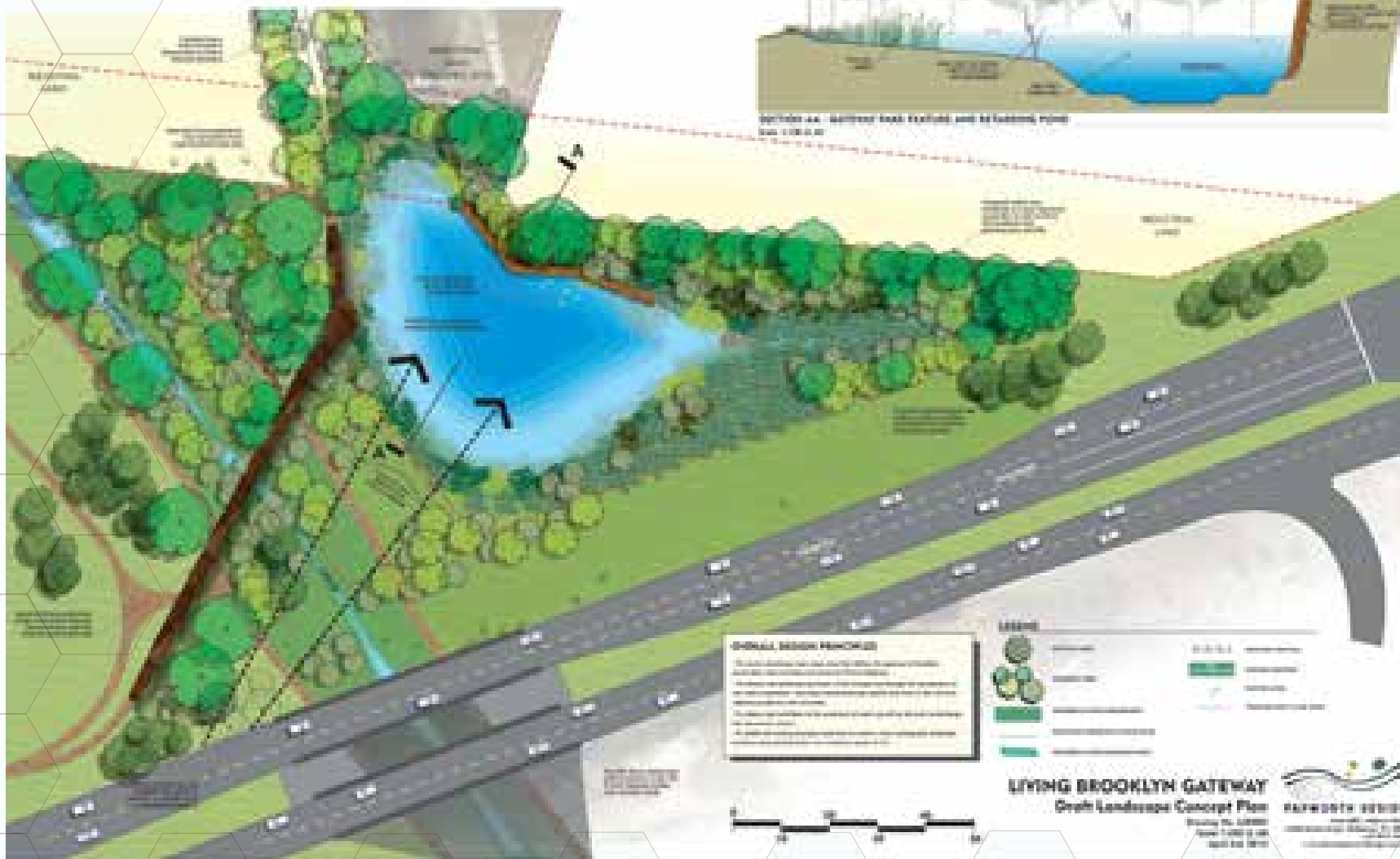
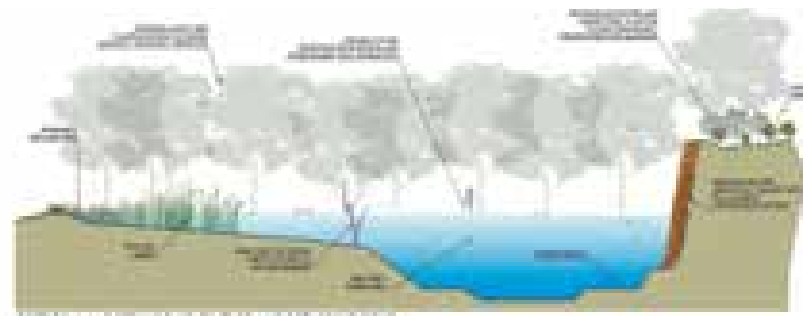
living brooklyn gateway project



5. Celebrate Success



EXISTING VIEWS



5. Celebrate Success



IWCM: small is beautiful

initial IWCM project priorities

Redevelopment Controls **Perimeter Greening**

On-site traffic management

On-site detention

Rain Water Tanks

Rain Gardens

Streetscape Greening

Landfill re-vegetation

Roadside Swales

Roof Gardens



business case for change

Air quality impacts (PM 10 and PM 2.5) cost worker and resident health, mortality and welfare (approx.)

\$750 million over past 20 years

Integrated Water Cycle Management (IWCM)

Strategy to reduce the dust impacts by (approx)

55% over 30 years will cost \$20 million.





potential outcomes

Benefits in the areas of health, well being, mortality, water efficiency, environment, business productivity, image etc. equals (approx.)

\$370 million over 30 years.

next week



AUSTRALASIAN INDUSTRIAL ECOLOGY CONFERENCE

17 – 19 NOVEMBER 2014

CONFERENCE

MELBOURNE CONVENTION & EXHIBITION CENTRE



Monday 17 November 2014	
8:30am – 9:30am	1.1 Certified sustainable pigmentation from waste and agriculture Kaiser Aluminum, AMP Australia Pty
8:30am – 9:30am	1.2 Chemical recovery from food waste Dough Mills, The Queensland Pig Unit
9:30am – 10:30am	1.3 Introduction to Ecolife Muller Group, Wessington Centre Pty Ltd
10:30am – 11:30am	Industrial Ecology in Australia: Past, Present and Future

Tuesday 18 November 2014 – Technical Tour

Please note: Delegates will be split into 4 groups for the technical tour. All delegates visit the same sites and groups will be facilitated by the conference organisers.

Group 1		Group 2	
8:30am	Assembly of the Melbourne Convention Centre	8:30am	Assembly of the Melbourne Convention Centre
8:30am – 10:30am	Crack repairs and leaks in pipes	8:30am	Crack repairs for pipelines (steel)
8:30am – 10:30am	Tour of Hapsas	8:30am – 10:30am	Tour of Hapsas (steel)
10:30am – 11:30am	Tour of Hapsas Polymer Recovery Operations in the United Kingdom	10:30am – 11:30am	Tour of Hapsas (steel)
10:30am – 11:30am	Tour of Olympic Pipelines	10:30am – 11:30am	Tour of Hapsas Industrial Site - Part 1
11:30am – 12:30pm	Tour of Hapsas Industrial Site (Production) in Australia (steel)	11:30am – 12:30pm	Industry site visit in (steel)
11:30am – 12:30pm	Tour of Hapsas Industrial Site - Part 2	11:30am – 12:30pm	Tour of Hapsas Industrial Site - Part 2
12:30pm – 1:30pm	Tour of Hapsas Industrial Site - Part 1	12:30pm – 1:30pm	Tour of Olympic Pipelines (steel) visit in United Kingdom
1:30pm – 2:30pm	Industry site visit in Australia	1:30pm – 2:30pm	Tour of Olympic Pipelines
1:30pm – 2:30pm	Tour of Hapsas Industrial Site - Part 3	2:30pm – 3:30pm	Tour of Hapsas (pigments) in the United Kingdom
2:30pm – 3:30pm	Tour of Hapsas (steel)	3:30pm – 4:30pm	Tour of Hapsas
3:30pm – 4:30pm	Tour of Hapsas (steel)	3:30pm – 4:30pm	Tour of Hapsas (pigments) in the United Kingdom
4:30pm	Technical site visit	4:30pm	Technical site visit



key future dates

17th, 18th , 19th November: AIEN Conference

Site Visit at Brooklyn Industrial Precinct

**Be a part of the change: come to the
Industrial Ecology Conference.**

<http://www.austienetwork.com.au/>

