Developing Māori Urban Design Principles

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Rationale for Māori Urban Design

- The benefits of Māori urban design include:
  - Reducing inequities
  - A holistic planning approach
  - Reinforcing low impact design
The Research

- Two Case Studies
  - Ngāti Whātua o Ōrakei - Ōrakei
  - Ngāi Te Rangi - Oikimoke

- Findings
  - Development must consider mātauranga Māori
  - Integrated outcomes require ongoing involvement of Māori
  - Development of nine design principles
Design Principles

• Māori urban design principles
  – Kotahitanga
  – Wairuatanga
  – Manaakitanga
  – Rangatiratanga
  – Whanaungatanga
  – Kaitiakitanga
  – Mātauranga
  – Orangatanga
  – Mauritanga
Kotahitanga - Cohesion and Collaboration

- Description
  - Collective cooperative and effective partnerships and collaboration with community

- Purpose
  - To encourage community unity and identity

- Response
  - Community centre, amphitheatre, community facilities, parks, reserves, walkways, good access links between spaces
Wairuatanga - Embedded Emotion/Spirit

- **Description**
  - Emotional connection with the environment that links people

- **Purpose**
  - To maintain and preserve the essence of tangata whenua

- **Response**
  - Site orientation to important landmarks important to tangata whenua, sight lines, environmental restoration projects
Manaakitanga - Hospitality and Security

- **Description**
  - Acceptance and hospitality given to visitors, and protection and security of community

- **Purpose**
  - To embrace and welcome all peoples, especially visitors, and to provide a safe and secure community environment

- **Response**
  - Restore and access traditional medicinal and food resources, communal gardens, design community using CPTED principles – Crime Prevention Through Urban Design
Whanaungatanga - Participation and Membership

- **Description**
  - Participation and membership in the community and social setting

- **Purpose**
  - To encourage community participation and pride through building and emphasising community identity

- **Response**
  - Communal facilities, community centre, communal Laundromat, open reserves, parks, communal gardens, common and civic spaces reflecting local identity
Kaitiakitanga – Sustainable Resource Management

• Description
  – Protection of significant landscape features important to the local community

• Purpose
  – To support the protection of important environmental and cultural features through community ownership and collective responsibility

• Response
  – On-site mitigation for 3 waters, recognition and protection of spiritual guardians, restoration of waterways and natural areas, cluster buildings to maximise communal reserves and the natural environments
Rangatiratanga - Leadership, Identity, Self-Determination

- **Description**
  - Community can lead and take responsibility for creating and determining their own future

- **Purpose**
  - To promote self-determination and independence

- **Response**
  - Live and work from home, mix use high density living environments, clustering of dwellings, heritage markers (pou)
Mauritanga - Essence/Life-force

• Description
  – Life-force or essence of a natural environment

• Purpose
  – To identify and promote the maintenance or restoration of mauri

• Response
  – Community monitoring of natural environment, swale systems for stormwater, rain-tank collection systems, grey-water recycling systems, passive solar design
Orangatanga - Health and Well-being

• Description
  – Maintain health and wellbeing of the community

• Purpose
  – To promote environmental protection and a safe community

• Response
  – Restoration projects, maintain community access to resources (flax, eels, waterways etc), indigenous flora on public and encouraged on private space, encourage walking and cycling by linking spaces, traffic calming measures, CPTED principles, public transport available
Mātauranga - Knowledge and Understanding

- **Description**
  - Understanding of community history, identities, character

- **Purpose**
  - To encourage community understanding and pride through shared knowledge

- **Response**
  - Education promotions, interpretation boards, heritage markers (pou), heritage trails
Conclusion

- For Māori to determine the shape and form of their own living environments is a step towards achieving many Māori development aspirations