



JOURNEY "CITY TO SEA"

KEY FEATURES:

- Retain existing large trees where possible
- Upgrade and widen existing shared-use path
- Horses located upstream, greater opportunity for water to be filtered through a series of pools and reed plants along the creek before discharged to the sea
- Opportunities for open spaces, rest areas, seating and picnic downstream enhancing connectivity with destination at Seaview Road
- Opportunities for wetland habitat planting
- Drop structures and cut channel at outlet allow more control of water flows
- Opportunity for series of pools, water movement to enhance visitor experience
- 410 cubic metre flow capacity maintained

CONSTRAINTS:

- Shallow DN 1275 water main. May need to relay main pipe



DESIGN PRINCIPLES:

1. PROVIDE SUFFICIENT FLOOD CONVEYANCE

- Modify outlet structure to enable control of water level
- Introduce drop structures
- Retain existing flow monitoring station
- Retain existing levee banks

2. IMPROVE WATERCOURSE CONDITION

- Series of reed beds to improve water quality through bio-filtration
- Improve local biodiversity with establishment of wetland habitat
- Increase depth of river with pools in strategic sections along the river
- Enhance visitor experience through water movement and sound over drop structures
- Incorporate new and existing fish ladders to provide for fish passage

3. RETAIN A SPACE FOR HORSES

- Create horse agistment on South side of the river at Tapleys Hill Road end
- Planted buffer to creek
- Viewing decks to view horses
- Interpretation of history
- Feeding / sheltered areas
- Open grassed areas
- Fences / gates
- Water troughs
- Trees for shade
- Bridle paths

4. PROVIDE EQUITY IN ACCESS AND USE

- Increase public access to open space
- Provide different crossing opportunities
- Retain / upgrade lighting to shared-use path and rest areas
- Selectively remove dense vegetation along upper banks
- Manage vegetation selection and growth to ensure sightlines
- Provide access to the river from residential streets

5. IMPROVE RECREATION OPPORTUNITIES

- Provide rest areas
- Picnic / seating / shelters / bins
- Improve connections / access and views across the site
- Create interpretive trail
- Provide lighting
- Different trail experiences
- Boardwalk / viewing / education opportunities

6. ENHANCE THE GENERAL AMENITY

- Provide a mix of landscape features, interests and activities
- Retain existing large trees
- Mask existing concrete pumping structure with decking
- Remove floating litter boom and concrete structure at outlet and relocate to Tapleys Hill Road end
- Retain open landscape character with tall trees and low shrubs / groundcovers

7. INCREASE PERSONAL SAFETY FOR USERS

- Provide lighting at strategic locations
- Manage vegetation selection and growth for visibility and easy access
- Provide well-signed access for all users
- Provide suitable path design for all types of users

8. ENABLE ONGOING MAINTENANCE AND MANAGEMENT

- Provide adequate access for maintenance vehicles
- Locate high maintenance activity areas near to existing access gates (e.g. floating litter boom)
- Use durable and sustainable materials
- Minimise grassed edges at banks
- Create buffer between creek edge and fenced horse area

9. PRACTICAL DESIGN

- Construction can be staged

LEGEND

