

STONY CREEK

FUTURE DIRECTIONS PLAN 2019

DUKE ST, BRAYBROOK TO HYDE STREET, YARRAVILLE

DRAFT - OCTOBER 2019



CONTENTS

VISION STRATEGY p.1

KEY ACTIONS SUMMARY p.2

LAND OWNERSHIP AND
ACQUISITIONS
DUKE ST - CALA ST p.3

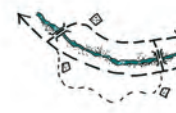
SECTION PLANS

 **1** DUKE ST - QUARRY RD
Improve water quality and connections p.4

 **2** QUARRY RD - PARAMOUNT RD
Unlock Stony Creek to the Public p.6

 **3** PARAMOUNT RD - CALA ST
Improve habitat and connections p.7

 **4** CALA ST- PRINCES HWY
Improve recreation and connections p.9

 **5** SOMERVILLE RD - DREW ST
BRIDGE
CRUICKSHANK PARK
Improve safety and recreation p.10

 **6** DREW ST BRIDGE - FRANCIS ST
CRUICKSHANK+MCNISH RESERVE
Improve habitat, safety and recreation p.11

 **7** FRANCIS ST - WILLIAMSTOWN
RAIL LINE
Naturalising Stony Creek p.13

 **8** HYDE ST RESERVE
Improve recreation and connections p.14

ARTISTS IMPRESSIONS

DUKE ST RESERVE
Artists impression #1 p.5

INDUSTRIAL INTERFACES
Artists impression #2 p.8

CRUICKSHANK + MCNISH RESERVE
Artists impression #3 p.12





CRAIG PERRY 2019

VISION STATEMENT

Stony Creek will run through a continuous corridor of public open space, rich in habitat and biodiversity, linked by a connected trail network and quality park amenities which support community recreation and enjoyment. Spaces will be safe, accessible and welcoming, they will encourage people to engage with the natural and cultural heritage of this high valued urban waterway.

STRATEGIC CONTEXT



MARIBYRNONG CITY COUNCIL STRATEGIC PLAN 2017-21

Develop public spaces that facilitate community interaction, safety and pride of place

New open spaces to support population growth

Parks & open spaces with shade, bins, toilets, water taps and bbq / picnic facilities

More pedestrian and cycling connections along the waterways

Regenerate and protect waterways, native habitats and biodiversity

Respond to and prevent illegal dumping of rubbish

PLAY MARIBYRNONG PLAYGROUND IMPROVEMENT STRATEGY

Provide and improve network of playgrounds which provide a variety of fun, exploration and challenge for children of all ages and abilities.

Well designed and maintained play spaces will help young people and local communities to play and develop socially, physically and emotionally.



MELBOURNE WATER STONY CREEK REHABILITATION PLAN

The Stony Creek Rehabilitation Plan establishes the foundation for the rehabilitation and protection of Stony Creek following the fire incident in August 2018. The plan provides guidance for delivering the community's vision and long-term aspirations for Stony Creek through a collaborative process.

The rehabilitation plan focuses on a five kilometre reach of Stony Creek from the fire site in Tottenham to the Stony Creek Backwash (estuary) in Yarraville. Melbourne Water's Healthy Waterways Strategy ensures that a whole-of-catchment view will remain a key focus in the entire Stony Creek system.

DRAFT STONY CREEK STORMWATER TREATMENT AND HARVESTING OPPORTUNITIES MAY 2019

Identifies open space that may be used for stormwater treatment systems and stormwater harvesting

Quantifies water demands for irrigation

Identifies stormwater catchments

Models optimised infrastructure initiatives

Improves amenity, recreation and biodiversity opportunities



DRAFT MARIBYRNONG BICYCLE STRATEGY 2019 - 2025

Connect Stony Creek Trail between Paramount Road and Federation Trail

WEST TRAILS DRAFT STRATEGIC PLAN

Connect Stony Creek Trail between Cruickshank Park and Hyde Street

Provide wayfinding and behavioural signage to the length of Stony creek

Connect Somerville Road to Cala Street

WEST FOOTSCRAY / TOTTENHAM LAND USE FRAMEWORK

Analysis of Industrial Precincts indicating poor pedestrian / cycle connectivity along Stony Creek

Opportunities for recreation and pedestrian and cycling connections along the creek

Enhanced interface with adjoining industrial uses (more permeability and access



MARIBYRNONG URBAN FOREST STRATEGY 2018

Provision of natural shade and shelter for people

Reduced air, water and soil pollution

Improved desirability of a neighbourhood and encourage people to spend time outdoors and interact with their community

Improved amenity and aesthetics of public open space, encouraging people to be active

STONY CREEK FLORA AND FAUNA IMPACT ASSESSMENT 2018

Identifies 37 fauna taxa across three sites, 28 of which are indigenous species.

Estuarine areas of Stony Creek provide the highest quality of habitat for a wide range of fauna, particularly migratory and resident shorebirds.

Potential for Stony Creek to support migratory birds upstream of Hyde Street Reserve

A total of 65 plant taxa were recorded in three sites, 41 of which are indigenous

KEY ACTIONS SUMMARY

-  Improve habitat connections
-  Improve connectivity
-  Riparian shrubs and tree planting
-  Improve water quality creekwide
-  Better facilities for people



LAND OWNERSHIP AND ACQUISITIONS DUKE ST - CALA ST

LEGEND

-  Land parcels - private ownership
-  Land parcels - public ownership
-  Existing Public Acquisition Overlay
-  Potential Public Acquisition Overlay for future creek reserve
-  Proposed Stony Creek Corridor (min. 30m)

Where public creek reserve is near the 30m existing width, adjacent land may be acquired at time of redevelopment through negotiation / as open space contributions



0m 60 120 150 180 300 600 1:3000 at A1
1:6000 at A3

1 DUKE ST - QUARRY RD

Improve water quality and connections

LEGEND

PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Proposed 3m wide concrete shared path
- Proposed new sections of 1.5m wide concrete secondary footpath
- Proposed new sections of informal 900mm wide gravel footpath
- Proposed Stony Creek Corridor (min. 30m)

PARK INFRASTRUCTURE

- Proposed park seat
- Proposed picnic table
- Proposed wayfinding sign
- Proposed maintenance vehicle gate

TREES, PLANTING & SOFT LANDSCAPE

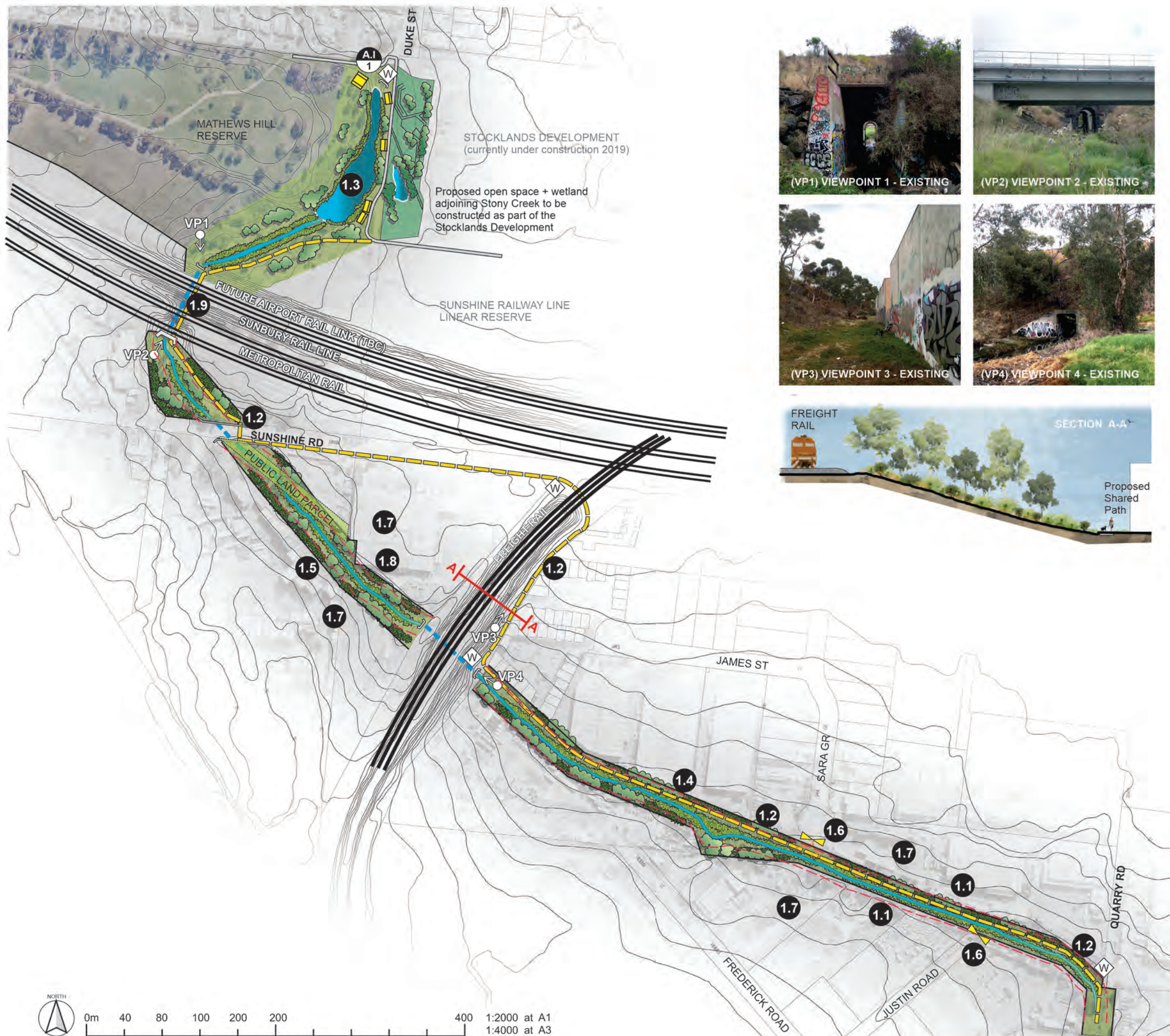
- Proposed native trees planted in groups / copses of 3-7
- Proposed riparian planting utilising native shrubs and semi-aquatics
- Proposed buffer planting with native shrubs and trees

CREEK & WATER QUALITY INFRASTRUCTURE

- Creek culvert - inaccessible to public road bridge
- Proposed wetland
- Artists impression #1 (see p.5)

WORKS PRIORITIES

- Acquire / establish public access through industrial properties to create a minimum 30m wide creek corridor as shown on p.3.
- Construct 3m wide concrete primary path from Quarry Road to Sunshine Road (Victrack approvals required). New signalled intersection at Sunshine Road.
- Construct the Duke street sedimentation pond and wetland (Melbourne Water approvals required)
- Litter control, weed control, tree and riparian planting between Quarry Road and Frieight line, associated with path works
- Develop inaccessible areas for habitat provision with weed removal, tree and riparian planting (access approvals required until ownership or memorandum developed)
- Complete access and maintenance connections at Sarah Grove and Justin Road
- Develop and implement the Stony Creek Industrial Guidelines for adjacent properties
- Purchase or acquire section held in private ownership
- Lobby State Government for cycling / pedestrian bridge or link between Sunshine Road and Duke Street (potential to form part of Future Airport Rail works)





Improve water quality through sedimentation basin located at Duke Street reserve and wetland in adjoining residential development

Promote activity and connectivity through shared user paths

- A** New park space and wetland to be constructed as part of the adjoining residential development
- B** Improved connectivity through Stony Creek
- C** Proposed sedimentation basin for water treatment
- D** Proposed riparian planting for habitat improvements



2 QUARRY RD - PARAMOUNT RD

Unlock Stony Creek to the Public



LEGEND

PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Proposed 3m wide concrete shared path
- Proposed new sections of informal 900mm wide gravel footpath
- Proposed splitter island for pedestrian access
- Proposed stony creek corridor (min. 30m)

PARK INFRASTRUCTURE

- Proposed park seat
- Proposed picnic table
- Proposed wayfinding sign
- Existing maintenance vehicle access gate
- Proposed maintenance vehicle gate

TREES, PLANTING & SOFT LANDSCAPE

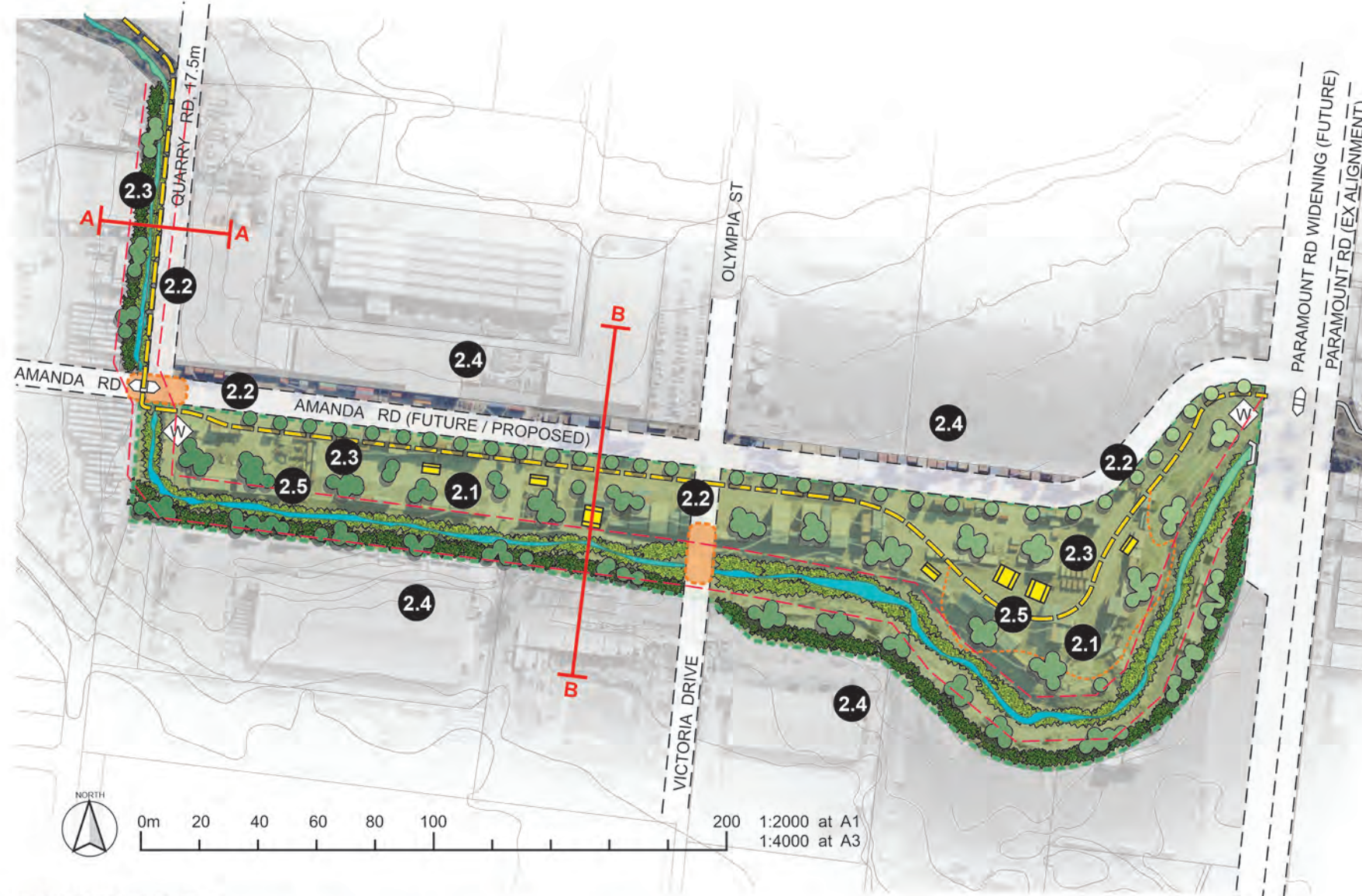
- Proposed native trees planted in groups / copses of 3-7
- Proposed riparian planting utilising native shrubs and semi-aquatics
- Proposed buffer planting with native shrubs and trees

CREEK & WATER QUALITY INFRASTRUCTURE

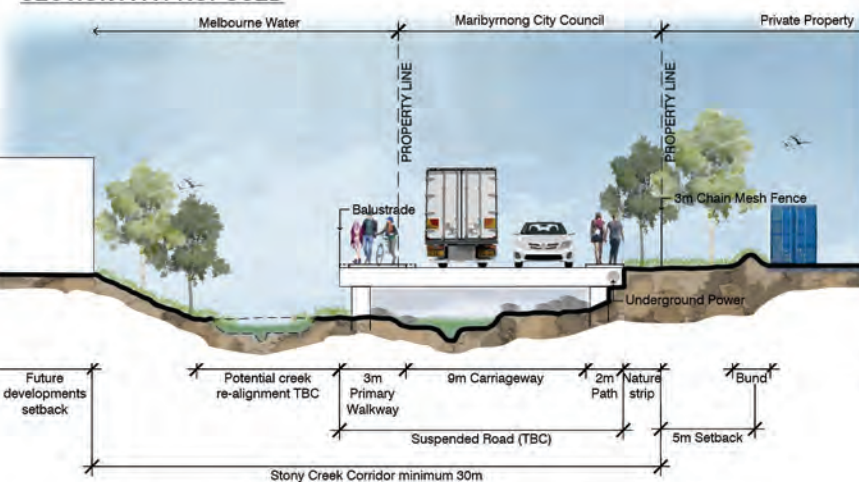
- Creek culvert - inaccessible to public
- Proposed road bridge

WORKS PRIORITIES

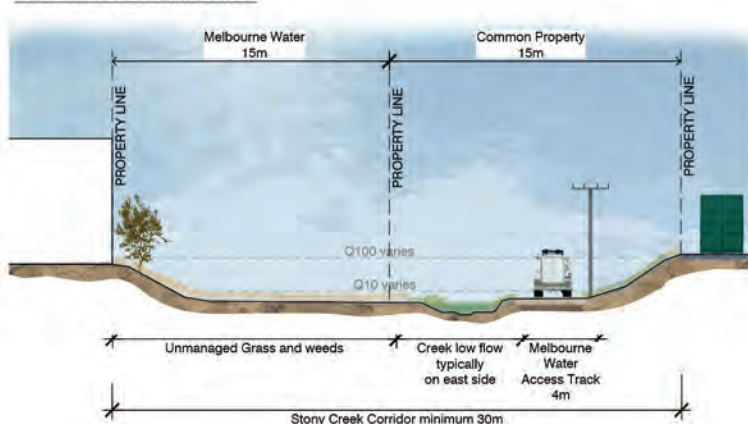
- Acquire / establish public access through industrial properties to create a minimum 30m wide creek corridor. Parcel is currently (2019) in private ownership. Council and Melbourne Water to work with business to purchase or acquire parcel for future creekside reserve as shown on p.3
- Construct new roads, bridges and connections through Tottenham to improve both business operations and Stony Creek connections
- Construct 3m wide concrete shared path from Quarry Road to Paramount Road
- Develop and implement the Stony Creek Industrial Guidelines for adjacent properties
- Design and develop creekside reserve as a place for informal recreation, habitat and connections



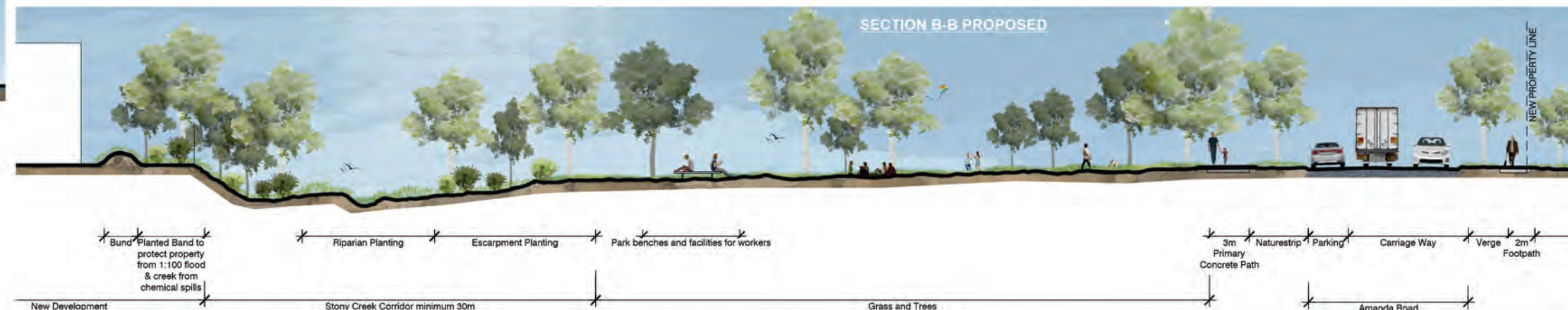
SECTION A-A PROPOSED



SECTION A-A EXISTING



SECTION B-B PROPOSED



SECTION B-B EXISTING



3 PARAMOUNT RD - CALA ST

Improve habitat and connections



PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Proposed 3m wide concrete shared path
- Proposed stony creek corridor (min. 30m)
- Proposed footbridge

PARK INFRASTRUCTURE

- Proposed wayfinding sign
- Existing maintenance vehicle access gate

TREES, PLANTING & SOFT LANDSCAPE

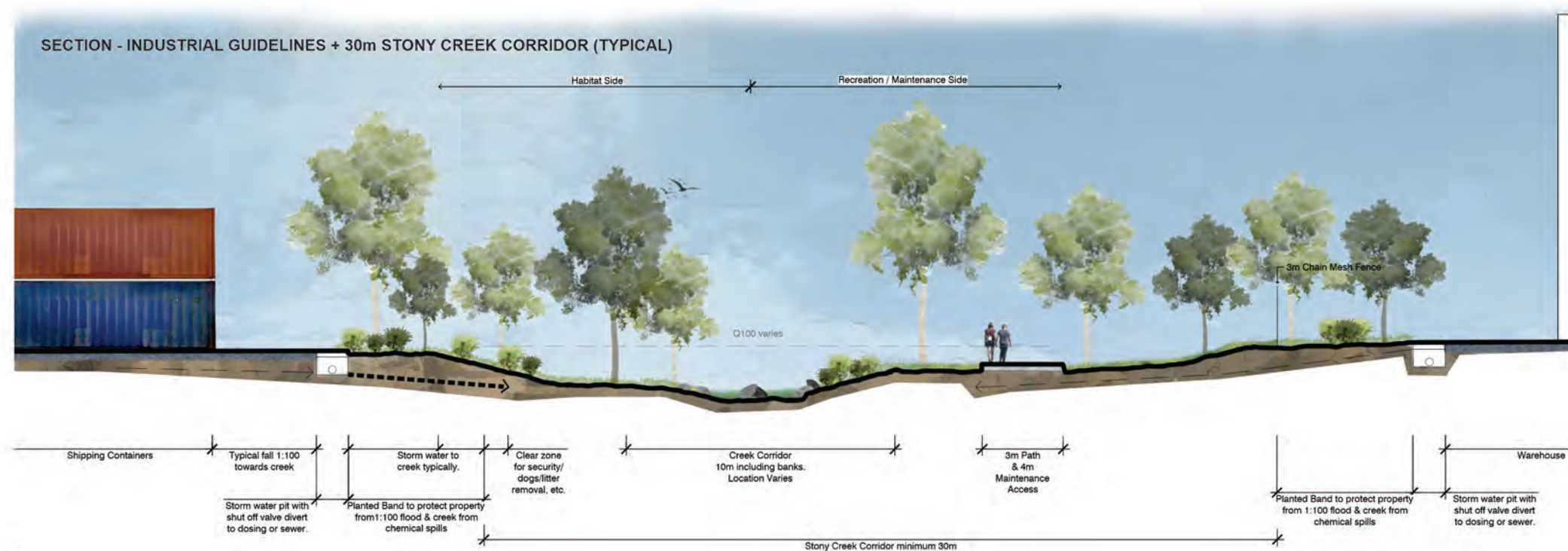
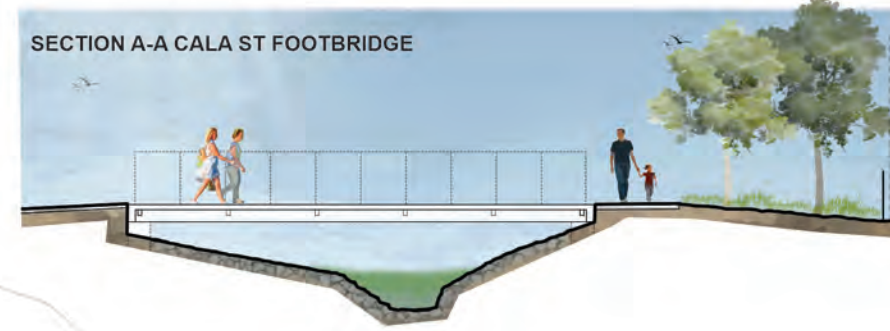
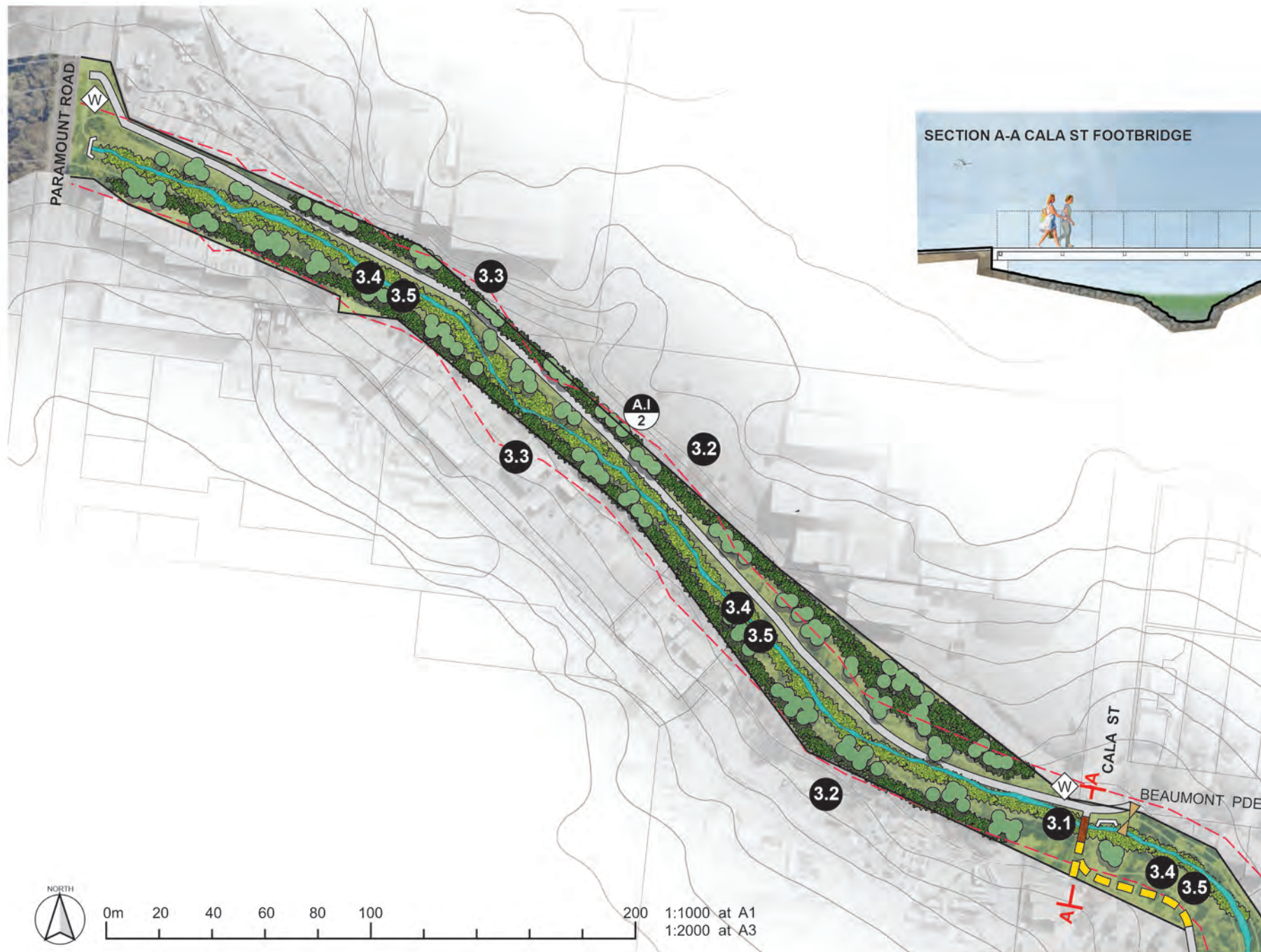
- Proposed native trees planted in groups / copses of 3-7
- Proposed riparian planting utilising native shrubs and semi-aquatics
- Proposed buffer planting with native shrubs and trees

CREEK & WATER QUALITY INFRASTRUCTURE

- Creek culvert - inaccessible to public
- Artists Impression #2 (see p.8)

WORKS PRIORITIES

- 3.1** Construct the Cala Street footbridge and provide vehicle exclusion barriers
- 3.2** Develop and implement the Stony Creek Industrial Guidelines for adjacent properties
- 3.3** Acquire / establish public access through industrial properties to create a minimum 30m wide creek corridor as shown on p.3
- 3.4** Continue weed control and maintenance
- 3.5** Increase tree and riparian planting throughout





Prepare guidelines for industrial interfaces with stony creek to provide built form setbacks, landscaping buffers, litter management, water quality, tree planting opportunities and public access

- (A) Built form setbacks
- (B) Landscape buffers
- (C) Public access
- (D) Planting opportunities
- (E) Water quality treatment



4 CALA ST - PRINCES HWY

Improve recreation and connections



LEGEND

PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Proposed 3m wide concrete shared path
- Proposed steel frame pedestrian ramp 2.5m wide
- Proposed new sections of bike lane 1.5m wide

PARK INFRASTRUCTURE

- Existing park seat
- Proposed park seat
- Existing picnic table
- Proposed picnic table
- Proposed wayfinding sign
- Existing maintenance vehicle access gate
- Proposed maintenance vehicle gate
- Existing playground

TREES, PLANTING & SOFT LANDSCAPE

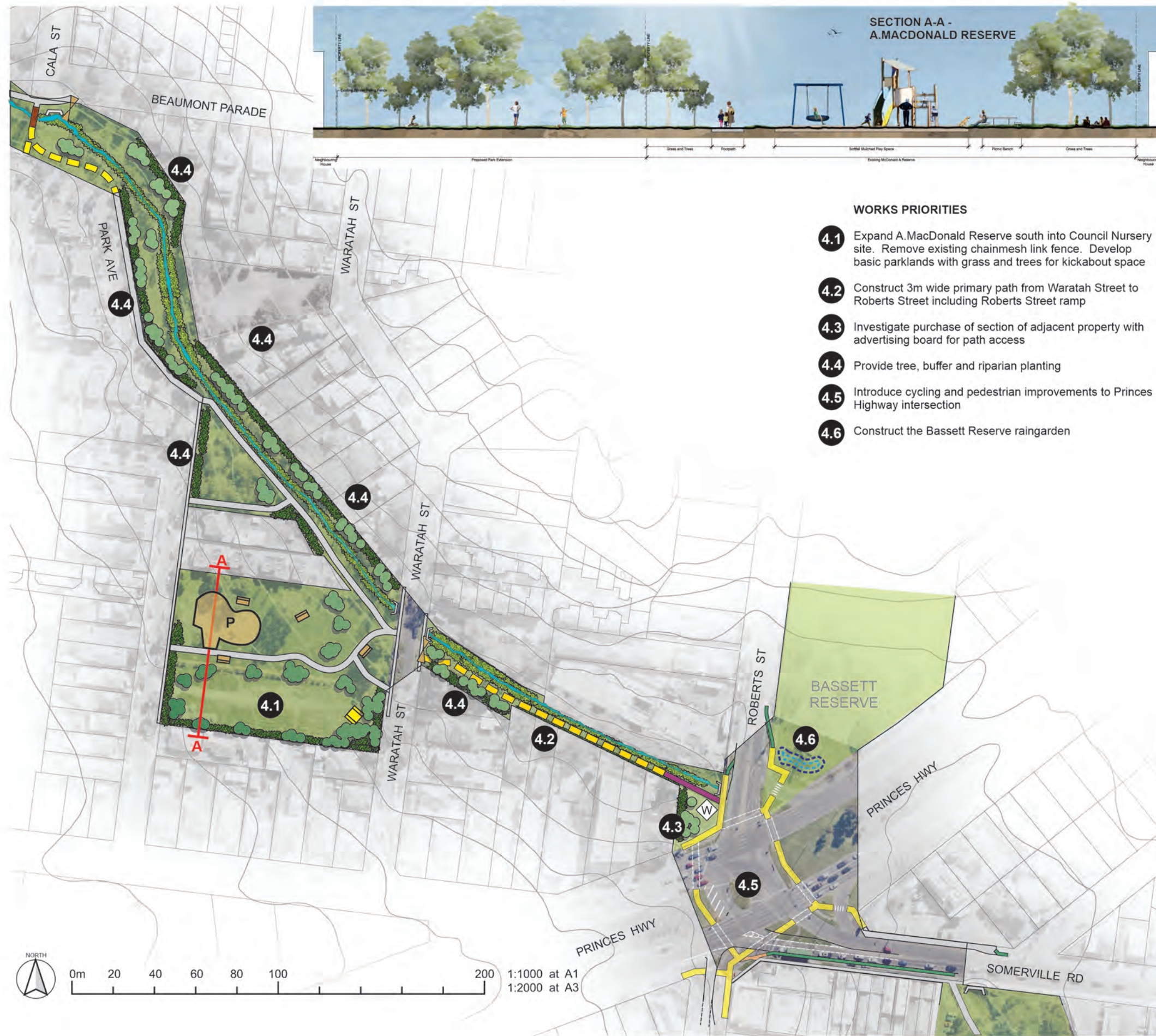
- Proposed native trees planted in groups / copses of 3-7
- Proposed riparian planting utilising native shrubs and semi-aquatics
- Proposed buffer planting with native shrubs and trees

CREEK & WATER QUALITY INFRASTRUCTURE

- Creek culvert - inaccessible to public
- Proposed raingarden

WORKS PRIORITIES

- Expand A.MacDonald Reserve south into Council Nursery site. Remove existing chainmesh link fence. Develop basic parklands with grass and trees for kickabout space
- Construct 3m wide primary path from Waratah Street to Roberts Street including Roberts Street ramp
- Investigate purchase of section of adjacent property with advertising board for path access
- Provide tree, buffer and riparian planting
- Introduce cycling and pedestrian improvements to Princes Highway intersection
- Construct the Bassett Reserve raingarden





WORKS PRIORITIES

- 5.1 Install lighting to main bridges connected to street network
- 5.2 Install distance markers to primary 3m path to encourage and establish a Park Run for Cruickshank / McNish
- 5.3 Establish a community led 'Discovery Nature Trail'
- 5.4 Consult with stakeholders regarding the preferred location of a major treatment wetland in Cruickshank
- 5.5 Improve Charlotte Street playground to increase play opportunity and picnic facilities and drinking fountain
- 5.6 Add netball ring north side of existing basketball court
- 5.7 Revegetation of creek banks
- 5.8 Increased tree planting
- 5.9 Somerville Road frontage and urban design treatment at park entry

5 SOMERVILLE RD - DREW ST BRIDGE
CRUICKSHANK PARK
Improve safety and recreation



LEGEND

PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Existing secondary concrete path typically 1.5m wide
- Existing informal 900mm wide approx. gravel path retained and maintained
- Proposed 3m wide concrete shared path
- Proposed new sections of 1.5m wide concrete secondary footpath
- Proposed new sections of informal 900mm wide gravel path

PARK INFRASTRUCTURE

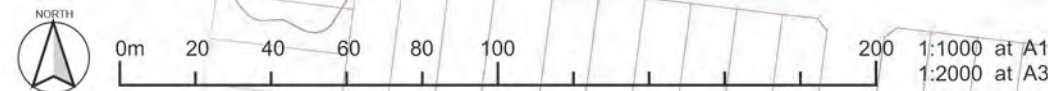
- EXISTING**
 - Park seat
 - Picnic table
 - Fitness Equipment
 - Playground
 - Picnic Shelter + BBQ
 - Nature Play
 - Netball ring on existing half court
 - Distance marker at 250m intervals
 - Wayfinding sign
 - Maintenance access gate
- PROPOSED**
 - Proposed 'discovery nature trail' markers (locations to be determined)
 - Proposed LED lighting

TREES, PLANTING & SOFT LANDSCAPE

- Proposed native trees planted in groups / copses of 3-7
- Proposed riparian planting (native shrubs + semi-aquatics)
- Proposed buffer planting with native shrubs and trees
- Proposed area of irrigated grass

CREEK & WATER QUALITY INFRASTRUCTURE

- Existing informal rocky crossing
- Potential wetland and raingarden for stormwater harvesting and irrigation
- Proposed raingarden associated with wetland
- Proposed raingarden associated with local street outfall





WORKS PRIORITIES

- 6.1** New barbecue and picnic facilities between community garden and playground
- 6.2** Expand the Dinosaur playground with additional play items and nature-play including improve access for all-abilities
- 6.3** Introduce areas of irrigation from recycled water for high use on amenity areas
- 6.4** Proposed toilet - 2 x universal access cubicles in single built element
- 6.5** Install timber post + rail fence for vehicle exclusion
- 6.6** Proposed 140m2 raingarden that diverts stormwaterflow-flows through sedimentation and filtration functions (Refer DesignFlow report)
- 6.7** Future pedestrian bridge (subject to MW approval) with design theme to compliment McNish playspace
- 6.8** Advocate for removal of concrete channel, and naturalisation of Stony Creek
- 6.9** Revegetation of creek banks
- 6.10** Consult with stakeholders regarding the preferred location of the major treatment wetlands and raingardens in Cruickshank Park
- 6.11** Potential major treatment wetlands and raingardens - preferred location alternative to Cruickshank Park. Includes significant earth battering and embankments to create water treatment wetlands, Island to provide habitat for water birds or ground fauna and flora and above ground water tanks to provide storage for treated irrigation water from wetlands / raingardens
- 6.12** Nature trail around potential wetland with natural play elements
- 6.13** Bicycle skills and pump track area utilizing fill from potential wetland formation
- 6.14** Netball hoops added to tennis courts (not for competition)
- 6.15** Improve Francis Street frontage and urban design treatment at park entry

6 DREW ST BRIDGE - FRANCIS ST

CRUICKSHANK PARK + MCNISH RESERVE
Improve habitat, safety and recreation

LEGEND

PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Existing secondary concrete path typically 1.5m wide
- Existing informal 900mm wide approx. gravel path retained and maintained
- Proposed 3m wide concrete shared path
- Proposed new sections of informal 900mm wide gravel path

PARK INFRASTRUCTURE

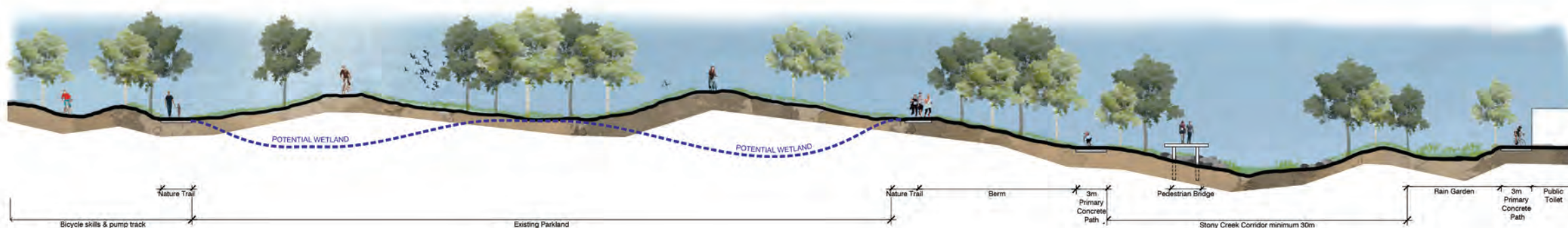
- EXISTING Park seat
- PROPOSED Picnic table
- PROPOSED BBQ
- EXISTING Fitness Equipment
- PROPOSED Playground
- PROPOSED public toilet
- PROPOSED Nature Play
- Netball rings on existing tennis court
- Distance marker at 250m intervals
- EXISTING Wayfinding sign
- PROPOSED Wayfinding sign
- EXISTING Maintenance access gate
- PROPOSED 'discovery nature trail' markers (locations to be determined)
- PROPOSED LED lighting

TREES, PLANTING & SOFT LANDSCAPE

- PROPOSED native trees planted in groups / copses of 3-7
- PROPOSED riparian planting (native shrubs + semi-aquatics)
- PROPOSED buffer planting with native shrubs and trees
- PROPOSED area of irrigated grass

CREEK & WATER QUALITY INFRASTRUCTURE

- PROPOSED new pedestrian bridge
- POTENTIAL wetland and raingarden for stormwater harvesting and irrigation
- PROPOSED raingarden
- PROPOSED raingarden associated with local street outfall
- ARTISTS Impression #3 (see p.12)





Proposed general improvements include:

Park reconstruction

New furniture / signage

Additional tree + shrub planting

Water quality improvements

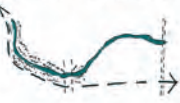
Habitat enhancements

- (A)** Advocate to naturalise concrete channel
- (B)** Upgrade path connection to Francis street
- (C)** Potential wetland / bike circuit / nature trail + play
- (D)** Proposed new bridge crossing
- (E)** BBQ / picnic facilities
- (F)** Proposed toilet
- (G)** Expand playground and nature play
- (H)** Lighting to circuit and key areas
- (I)** Raingardens to treat stormwater



7 FRANCIS ST - WILLIAMSTOWN RAIL LINE

Naturalising Stony Creek



LEGEND

PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Proposed 3m wide concrete shared path
- Proposed new sections of informal 900mm wide gravel footpath
- Proposed elevated shared path as part of Westgate Tunnel Project
- Proposed noise barriers (varied heights) as part of Westgate Tunnel Project

PARK INFRASTRUCTURE

- Proposed park seat
- Existing wayfinding sign
- Proposed wayfinding sign
- Existing playground
- Existing Westgate Golf Course tees/greens

TREES, PLANTING & SOFT LANDSCAPE

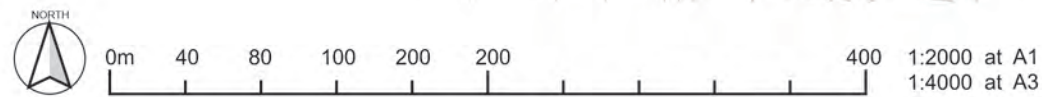
- Proposed native trees planted in groups / copses of 3-7
- Proposed riparian planting utilising native shrubs and semi-aquatics
- Proposed buffer planting with native shrubs and trees

CREEK & WATER QUALITY INFRASTRUCTURE

- Creek culvert - inaccessible to public road bridge
- Potential wetland for stormwater harvesting

WORKS PRIORITIES

- 7.1** Advocate for removal of concrete channel and naturalisation of Stony Creek
- 7.2** New shared paths / ramps to improve connection to Federation trail through to Hyde Street Reserve and Hyde Street
- 7.3** Potential 1000m2 water treatment wetland in open space adjoining Westgate Golf Course - Gordon Parade
- 7.4** Increased native tree and shrub planting



LEGEND

PATHS & ACCESS

- Existing 2.5m concrete shared path (Upgrade to 3m at time of renewal)
- Existing secondary concrete path typically 1.5m wide
- Existing informal 1200mm wide approx. gravel path retained and maintained
- Proposed 3m wide concrete shared path
- Proposed new sections of informal 900mm wide gravel path
- Proposed elevated shared path as part of Westgate Tunnel Project
- Proposed pedestrian bridge

PARK INFRASTRUCTURE

- Existing Park seat
- Proposed Park seat
- Existing Disc Golf Tee
- Existing Disc Golf Basket
- Proposed Disc Golf Tee
- Proposed Disc Golf Basket
- Proposed wayfinding sign
- Existing maintenance access gate

TREES, PLANTING & SOFT LANDSCAPE

- Proposed native trees planted in groups / copses of 3-7
- Proposed riparian planting (native shrubs + semi-aquatics)
- Proposed buffer planting with native shrubs and trees

CREEK & WATER QUALITY INFRASTRUCTURE

- Proposed wetland and raingarden recommended as part of DesignFlow Report

EXTERNALLY OWNED OR MANAGED INFRASTRUCTURE

- Existing overhead powerlines

WORKS PRIORITIES

- 8.1 Improve presentation of park entry
- 8.2 Improve cycling connections across Hyde Street (VicRoads) i.e. traffic lights or splitter island
- 8.3 Develop a long-term planting design for the Beverley street access point that improves sightlines and visibility.
- 8.4 Reduce shrubs and replace with canopy trees and ground storey planting to improve sightlines (avoid planting trees near powerlines)
- 8.5 Extend secondary concrete path from Beverley Street
- 8.6 Tree planting alongside primary path, buffer planting to edges
- 8.7 Proposed Beverley Street ephemeral wetland for stormwater treatment
- 8.8 Encourage Disc golf by adding baskets. Ensure flight paths do not cross shared use path
- 8.9 Proposed timber boardwalk and platform subject to Melbourne Water approval
- 8.10 New bridge crossing and shared path connection beneath Westgate Freeway (by Westgate Tunnel)



0m 20 40 60 80 100 200
1:1000 at A1
1:2000 at A3