



These plans have been produced for communication purposes only at masterplan level and are not detailed civil designs. Final layouts will be subject to a detailed design process and investigation of all service and technical requirements.

**LEGEND**

PROPOSED KERB ALIGNMENT	FLAG POLES	MASS PLANTING	SHARED PATH (PED & CYCLE)
REMOVED KERB	COUNCIL CARPARKS	TREE TO POTENTIALLY BE REMOVED DUE TO RAISED BRIDGES	HERITAGE BUILDINGS
PRAM RAMP	BUS STOPS AND LAYOVERS	MAIN STREET UPGRADE	DISTINCTIVE PLACES
EXISTING BUILDINGS	EXISTING TREE	LOCAL STREET UPGRADE	RAISED BRIDGE UPGRADE
PEDESTRIAN CROSSING	PROPOSED TREE	COWPER STREET UPGRADE	IRONBARK CREEK
TRAFFIC LIGHT INTERSECTION	TURF	PROPOSED PEDESTRIAN PATH SUBJECT TO FURTHER INVESTIGATIONS	TRAFFIC CALMING DEVICE
		RAISED PAVED THRESHOLD	

**KEY**

- 1 Separate bridge raising project provides opportunity to treat bridge crossings as gateways, highlighted with paving treatments and lighting.
- 2 Upgrade bus terminus.
- 3 Childcare Centre - Increase privacy from overlooking buildings & embellish blank walls with murals. Relocate existing bus stop to south of pedestrian crossing.
- 4 Upgrade pedestrian/cyclist shared path connection within Wallsend Park including new shared bridge.
- 5 Make Council St one way northbound. Allow for additional carparking with 1hr timed parking on the western side, no stopping on eastern side.
- 6 Extend shared path to Federal Park and install barrier along open drainage channel to maintain safety.
- 7 Investigate special treatment of gateways to Wallsend Local Centre at detail design stage.
- 8 Plan for the long term goals of improved flood performance and improved public amenity. Investigate bridge raising, channel widening and opportunities for naturalisation, public access and activation by neighbouring properties.
- 9 Council has limited control over private land & current standards of infrastructure & maintenance. However, for community benefit, Council to look at long term solutions through planning regs. Work with Stockland when site redevelopment occurs including improved carparking layouts & incorporation of WSUD, CPTED and sustainable tree planting. Investigate likelihood of raising floor levels and orientation of built form towards creek to capitalise on location. In long term, re-assess current building envelope away from channel to allow creek naturalisation and pedestrian access to occur. Strengthen link through Stockland staff carpark to Nelson St.
- 10 New pedestrian crossing and refuge at Boscawen St/Nelson St junction
- 11 Extend Cowper Street bus stop to accommodate 2 buses.
- 12 Retain Murnin St bus stop in current position.
- 13 Trafficable roundabout
- 14 Shared pedestrian & cycle path completing missing R5 link to be a minimum of 3.0m wide
- 15 40km/hr zone replaces 60km/hr on Cowper St between Newcastle Rd & Bulkara St.
- 16 New roundabout to control traffic flows at Newcastle Rd/Cowper St intersection
- 17 New traffic lights at Cowper/Kokera St intersection to enable safe crossing by pedestrians
- 18 Consider footpath widening both sides of Nelson St for outdoor dining opportunities
- 19 Investigate traffic calming devices for Bunn St
- 20 Investigate provision of a 2.5m wide shared path on Newcastle Rd and Low St
- 21 Remove bridge and pedestrian link between Newcastle Rd and Kemp St to improve safety (refer CPTED notes)
- 22 Remove Stockland bridge to improve safety

**NOTES**

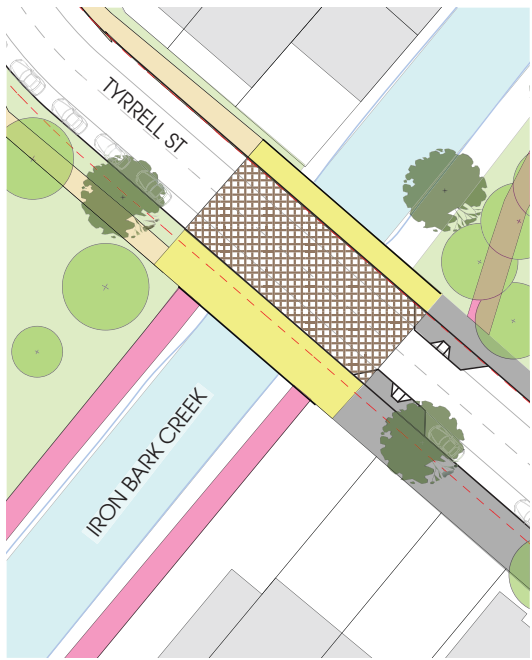
- > **GREEN FRAMEWORK** - Explore opportunities for tree planting throughout local centre, where space permits, clear of services & awnings. Consider planting within verge or parking lane. Redesign council carparks, retaining large trees where possible and plant supplementary trees where appropriate. Maintain clean trunks to improve sightlines. Work with businesses to encourage tree planting within privately owned land.
- > **HERITAGE** - Investigate special treatment of key heritage items at detail design stage.
- > **TRAFFIC** - All existing car parking arrangements are retained unless shown on plan.
- > **PUBLIC TRANSPORT** - Liaise with Newcastle Transport & service provider to ensure future bus network & demand works with public domains plans.
- > **PUBLIC DOMAIN TECHNICAL MANUAL** - Apply Local and Neighbourhood Centres Public Domain Technical Manual as a guide to materials/furniture palette to streets within local centre; prioritising streets in implementation strategy.
- > **CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN (CPTED)** - Clearly define Wallsend Local Centre through the use of entry statements, unifying materials and lighting palette. Re-design unsafe public spaces in line with CPTED principles and clearly define safe pedestrian and cycle routes.

**WALLSEND PUBLIC DOMAIN - MASTERPLAN**

20<sup>th</sup> of April 2018

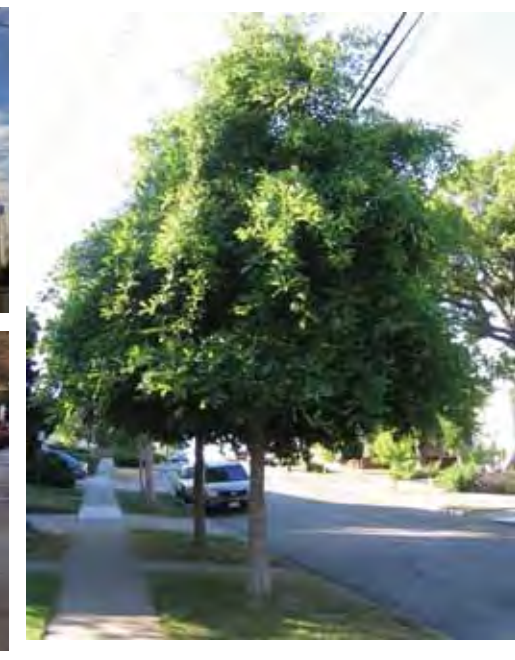


PO Box 489 Hunter Region Mail Centre Newcastle 2300



**IRONBARK CREEK BRIDGES**

Separate bridge raising project provides opportunity to treat bridge crossings as gateways, highlighted with paving treatments, signage and lighting.



**COUNCIL STREET**

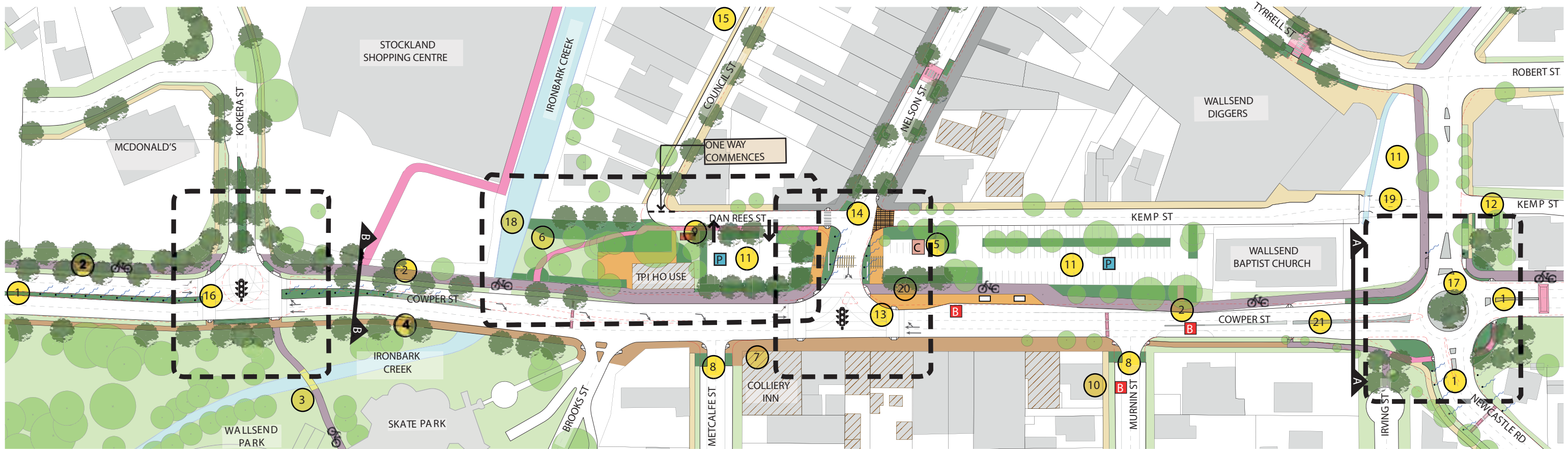
Make Council Street one way northbound to simplify traffic movement & allow for additional 1hr timed parking in the western side of the street, with no stopping on the eastern side of the street. Explore the potential to plant trees on the eastern side of the street where there are no power lines.



**STOCKLAND SHOPPING CENTRE CONNECTION TO NELSON STREET**

Maintain & improve useability & legibility of existing pedestrian connections. Investigate options for new direct link between Stockland Mall and Nelson St and negotiate with private landowners to provide pedestrian access.





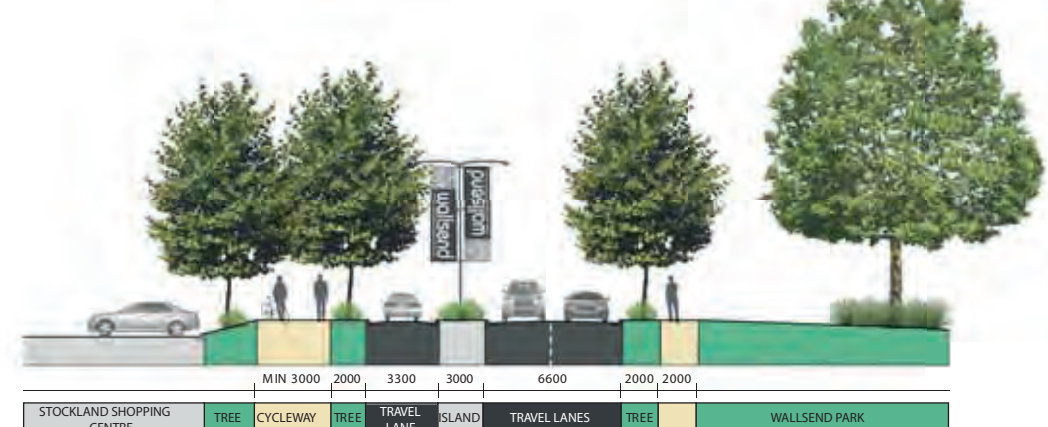
Intersections have been tested for compliance for vehicular turning circles by ADW Johnson – Engineering. Final layouts will be subject to a detailed design process and investigation of all service and technical requirements.

**LEGEND**

- PROPOSED KERB ALIGNMENT
- REMOVED KERB
- ▵ PRAM RAMP
- ▭ EXISTING BUILDINGS
- ▨ PEDESTRIAN CROSSING
- ⚡ TRAFFIC LIGHT INTERSECTION
- 🚩 FLAG POLES
- P COUNCIL CARPARKS
- B BUS STOPS AND LAYOVERS
- 🌳 EXISTING TREE
- 🌳 PROPOSED TREE
- 🌳 TURF
- 🌳 MASS PLANTING
- 🌳 TREE TO POTENTIALLY BE REMOVED DUE TO RAISED BRIDGES
- 🚶 MAIN STREET UPGRADE
- 🚶 LOCAL STREET UPGRADE
- 🚶 COWPER STREET UPGRADE
- 🚶 PROPOSED PEDESTRIAN PATH SUBJECT TO FURTHER INVESTIGATIONS
- 🚶 SHARED PATH (PED & CYCLE)
- ▨ HERITAGE BUILDINGS
- 🏠 DISTINCTIVE PLACES
- 🌊 IRONBARK CREEK
- 🚶 CONCRETE MEDIAN
- 🚶 TRAFFIC CALMING DEVICE
- 🚶 RAISED PAVED THRESHOLD



SECTION A - EAST COWPER STREET



SECTION B - WEST COWPER STREET

**KEY**

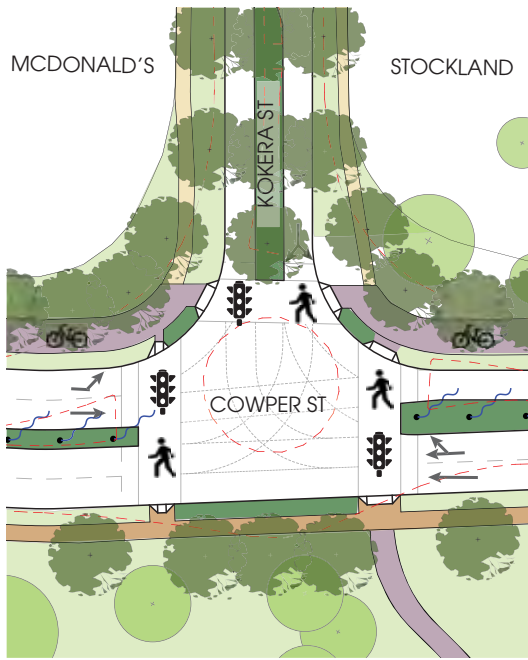
- 1 40km/hr zone replaces 60km/hr between Newcastle Rd & Bulkara St; include traffic devices at key locations to support speed limit change.
- 2 Missing section of R5 shared path to be minimum 3.0m wide to complete existing network. Investigate existing signage locations/service infrastructure as part of shared path construction
- 3 Construct new shared path & shared bridge link through Wallsend Park.
- 4 New path between Kokera St & Cowper St bridge.
- 5 Proposed NRMA fast charger for electric cars.
- 6 Improve pedestrian connections between Stockland and Nelson St along Dan Rees St. Improve levels, safety and legibility in TPI House area.
- 7 Improve pedestrian path transitions/ levels adjacent to Colliery Inn.
- 8 Install kerb extensions to Murnin & Metcalfe Streets.
- 9 Retain heritage coal hopper on alignment of historic tramway and move west.
- 10 Retain Murnin Street bus in current location.
- 11 Upgrade council carparks (Dan Rees St & Kemp Street carparks), including rationalising layout, circulation, delineation of pedestrian paths/ link to bus stops, carpark and tree planting.
- 12 Control vehicular access to public land consider formalising parking near Pioneer Community Hall.
- 13 Provide two additional pedestrian/cyclist crossing phases to facilitate safe crossing of Cowper & Nelson St and to link proposed R5 shared path. Redesign the bus stop to make space for the shared path and 2 buses.
- 14 Treat Kemp St as an access lane way with a raised continuous footpath treatment across its junction with Nelson Street to facilitate all ability access to shops.
- 15 Make Council Street one way northbound to simplify traffic movement & allow for additional 1hr timed parking along the western side of the street, with no stopping on the eastern side of the street where there are no power lines.
- 16 New traffic lights at Cowper/Kokera St intersection to enable safe crossing by pedestrians.
- 17 New roundabout to control traffic flows at Newcastle Rd/Cowper St intersection
- 18 Remove Stockland bridge to improve safety
- 19 Removed bridge and pedestrian link between Newcastle Rd and Kemp St to improve safety (refer CPTED notes)
- 20 Redesign corner of Nelson St to create a gateway feature
- 21 Create median to prevent dangerous right hand turns

**WALLSEND PUBLIC DOMAIN - COWPER STREET**

20<sup>th</sup> of April 2018

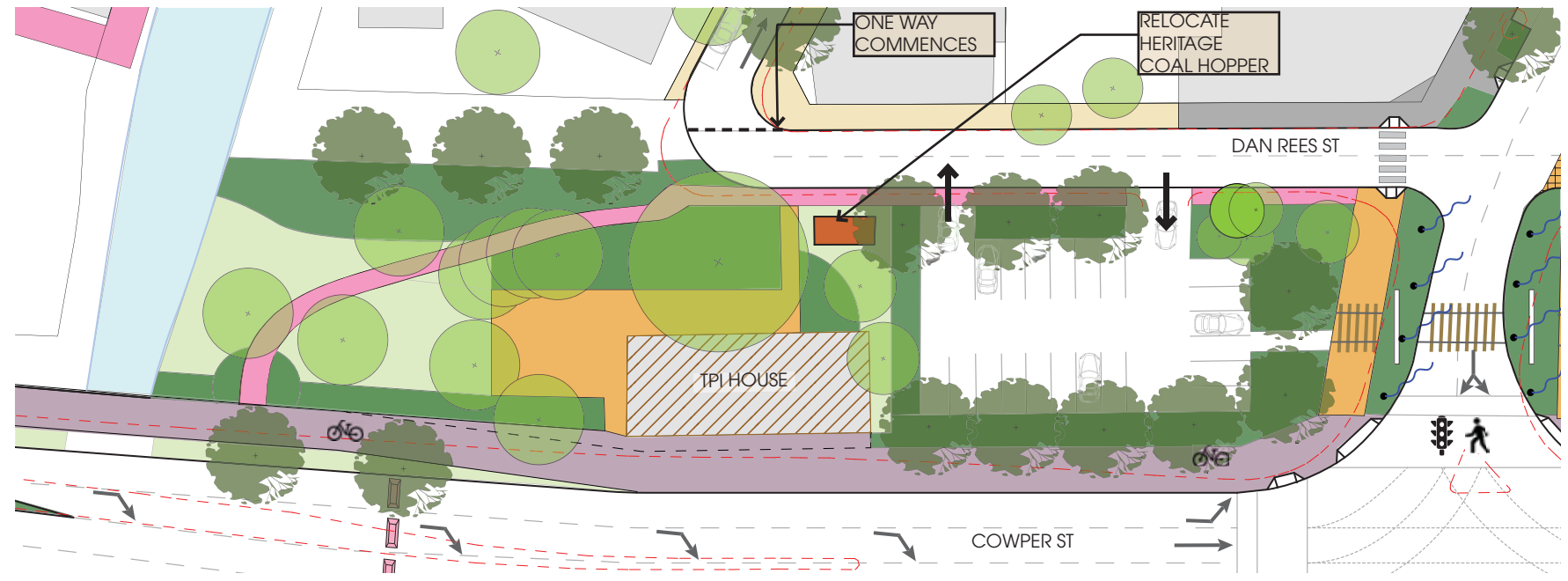


PO Box 489 Hunter Region Mail Centre Newcastle 2300



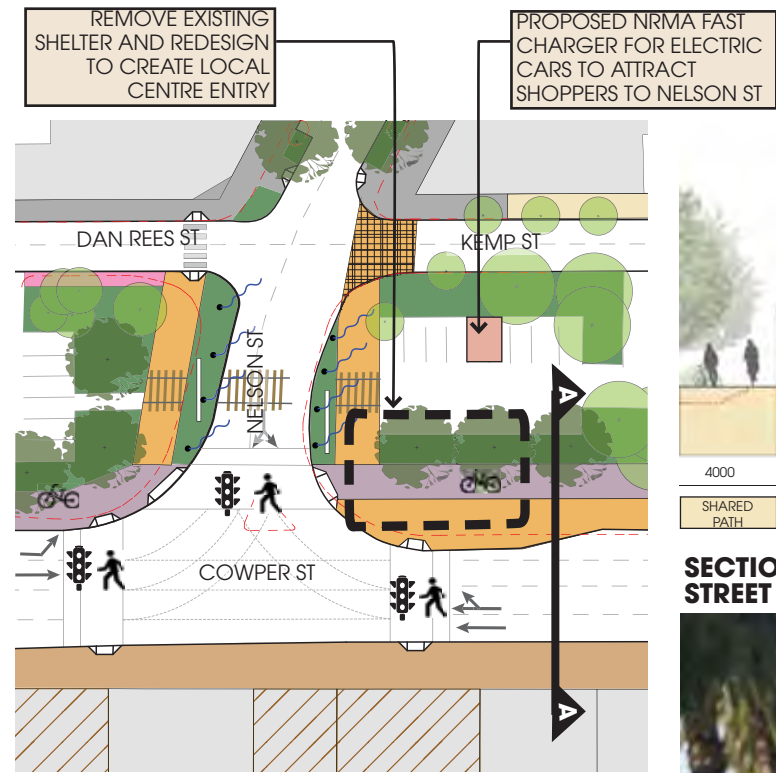
**COWPER ST/KOKERA ST INTERSECTION**

Replace roundabout with signalised intersection to facilitate safe pedestrian & cyclist movement between McDonald's, Stockland & Wallsend Park and linking proposed and existing shared paths. Create a gateway/entry statement using flags & tree planting.



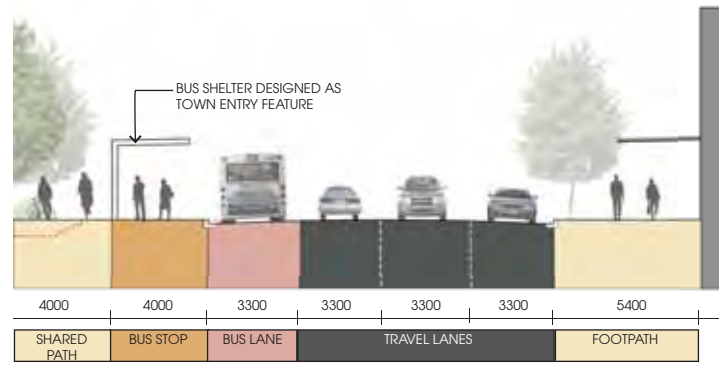
**TPI HOUSE (WALLSEND ENTERPRISE CENTRE) OPEN SPACE**

Redesign open space and carpark. Relocate heritage coal hopper to the TPI House curtilage to make room for separate car park entry and exit points. Retain the coal hopper on the alignment of the historic tramway. Improve access, legibility and safety for pedestrians moving through the space including connections and levels within the TPI House area. To improve safety remove the Rees- Stockland bridge connection and direct pedestrians across Cowper St bridge. Retain valuable large trees and supplement with additional trees, clear out low shrubs for improved sightlines.

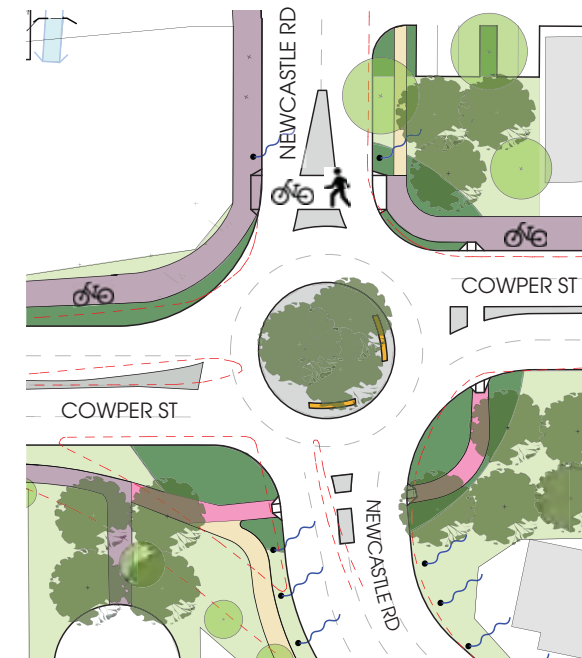


**COWPER ST/NELSON ST INTERSECTION**

Provide two additional pedestrian/cyclist crossing phases to facilitate safe crossing of Cowper & Nelson Sts, and to link the proposed R5 shared path. Redesign the bus stop to make space for the shared path and two buses.



**SECTION A - COWPER STREET BUS STOP**



**COWPER ST/NEWCASTLE RD INTERSECTION**

Redesign intersection to create new roundabout to assist with traffic flow & encourage traffic to enter and exit local centre via Tyrrell St. Design roundabout to reflect low traffic speed and ease of pedestrian/cyclist movement (refuge islands). Utilise broad verges to create gateway/entry statement including tree planting.





**LEGEND**

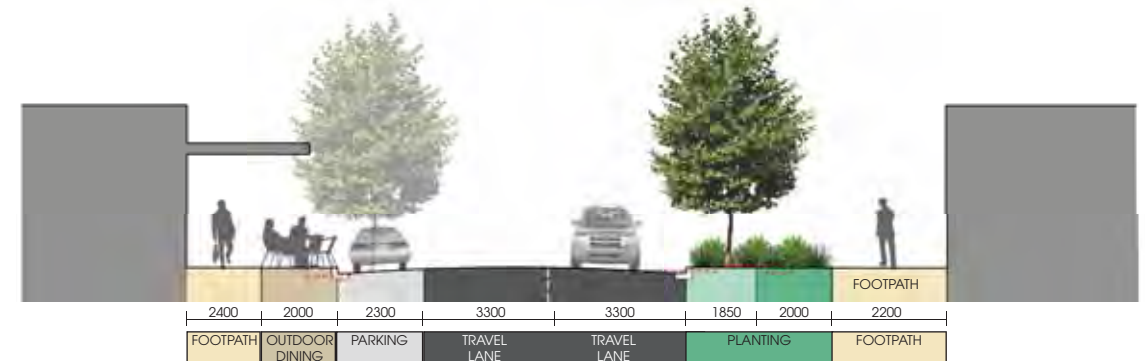
- PROPOSED KERB ALIGNMENT
- - - REMOVED KERB
- ▤ PRAM RAMP
- ▭ EXISTING BUILDINGS
- ▨ PEDESTRIAN CROSSING
- 🚦 TRAFFIC LIGHT INTERSECTION
- 🚩 FLAGPOLES
- 🅑 COUNCIL CARPARKS
- 🅒 BUS STOPS
- 🌳 EXISTING TREE
- 🌳 PROPOSED TREE
- 🌱 TURF
- 🌳 MASS PLANTING
- 🌳 TREE TO BE POTENTIALLY REMOVED DUE TO RAISED BRIDGES
- 🚶 PROPOSED PEDESTRIAN PATH SUBJECT TO FURTHER INVESTIGATIONS
- ▭ MAIN STREET UPGRADE
- ▭ LOCAL STREET UPGRADE
- ▨ HERITAGE BUILDINGS
- ▭ DISTINCTIVE PLACE
- ▭ RAISED BRIDGE UPGRADE
- 🌊 IRONBARK CREEK
- ▭ TRAFFIC CALMING DEVICE
- ▭ RAISED PAVED THRESHOLDS

**NOTES**

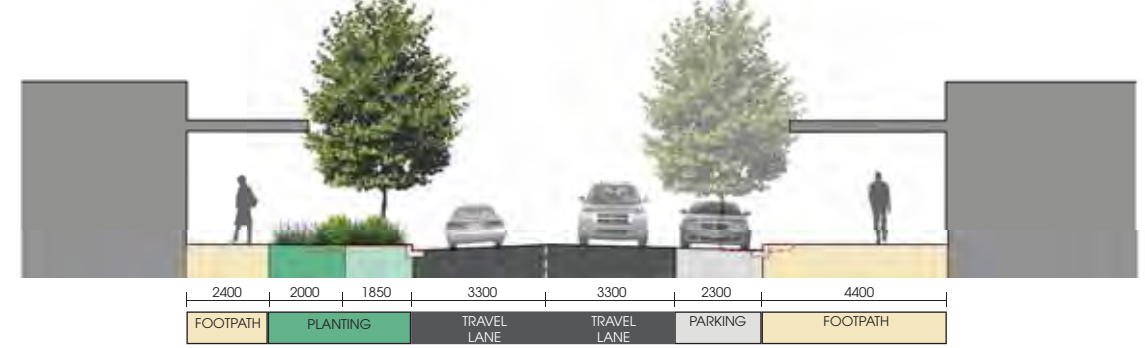
- > **GREEN FRAMEWORK** - Creating a green framework within the town centre was considered important to the community. Improving tree cover within Nelson St will help considerably in reducing hot summer temperatures (heat island effect), improving environmental comfort levels & increasing aesthetic appeal. Selection, size, location and technical planting requirements should be carefully considered to ensure longevity and health of future tree planting.
- > **STREET FURNITURE** - Renew street furniture using technical manual as a guideline. Consider installation of community artwork/projects within streetscape (e.g. pot project)
- > **FOOTPATHS** - Renew footpaths & road pavements to Nelson St using technical manual as a guideline. Use coloured ashlar pavement treatment within Nelson St to highlight heritage buildings.
- > **STREET TREES** - Assess existing street trees and replace as required with improved growing conditions. Provide new trees with awnings, carparking & services considered.
- > **SMART LIGHTING** - Investigate the installation of smart lighting on Nelson & Tyrrell St, which can incorporate speakers, lighting colours for special events, wifi and device top up stations.

**KEY**

- 1 Remove existing kerb ramps. Retain speed humps. Resolve localised drainage issue.
- 1A Provide at grade pedestrian crossing closer to the Boscawen street intersection.
- 2 Make no stopping zones standard at existing pedestrian crossing.
- 3 Negotiate with private landowners to provide a pedestrian connection. Investigate opportunity for new direct link through arcade style shop front.
- 4 Consider footpath widening on both sides of Nelson St to 4.4m wide to create outdoor dining opportunities.
- 5 Improve visual & physical connectivity of Rotunda Park with neighbouring heritage buildings with sympathetic materials. Upgrade public toilets within Rotunda Park.
- 6 Treat Kemp St as an access laneway with a raised continuous footpath treatment across its junction with Nelson street to facilitate all ability access to Nelson Street shops.
- 7 Trafficable roundabout.
- 8 Separate bridge raising project provides opportunity to treat bridge crossings as gateways, highlighted with paving treatments and lighting.



**SECTION A - NELSON STREET - OUTDOOR DINING**



**SECTION B - NELSON STREET - STREET VERGE PLANTING**

**WALLSEND PUBLIC DOMAIN - NELSON STREET**

20<sup>th</sup> of April 2018



KEY

- 1 Cowper Street traffic median to accommodate low level planting, street lights and banners.
- 2 Kerb extensions at the entrance to Murnin St and Metcalfe St
- 3 Council St made one way. Parking on the western side clear of rear lane access to Nelson Street shop fronts
- 4 Proposed roundabout at Charles/Harris St intersection
- 5 Investigate relocation of Cowper St bus stop & shelter westward
- 6 Retain Murnin St bus stop in current location
- 7 Proposed at grade pedestrian crossing and median refuge at the junction of Nelson St & Boscawen St
- 8 Proposed kerb extensions at the junction of Boscawen Street and Harris St
- 9 Footpath widening on both sides of Nelson St between Boscawen St & Cowper St to accommodate outdoor dining

NOTES

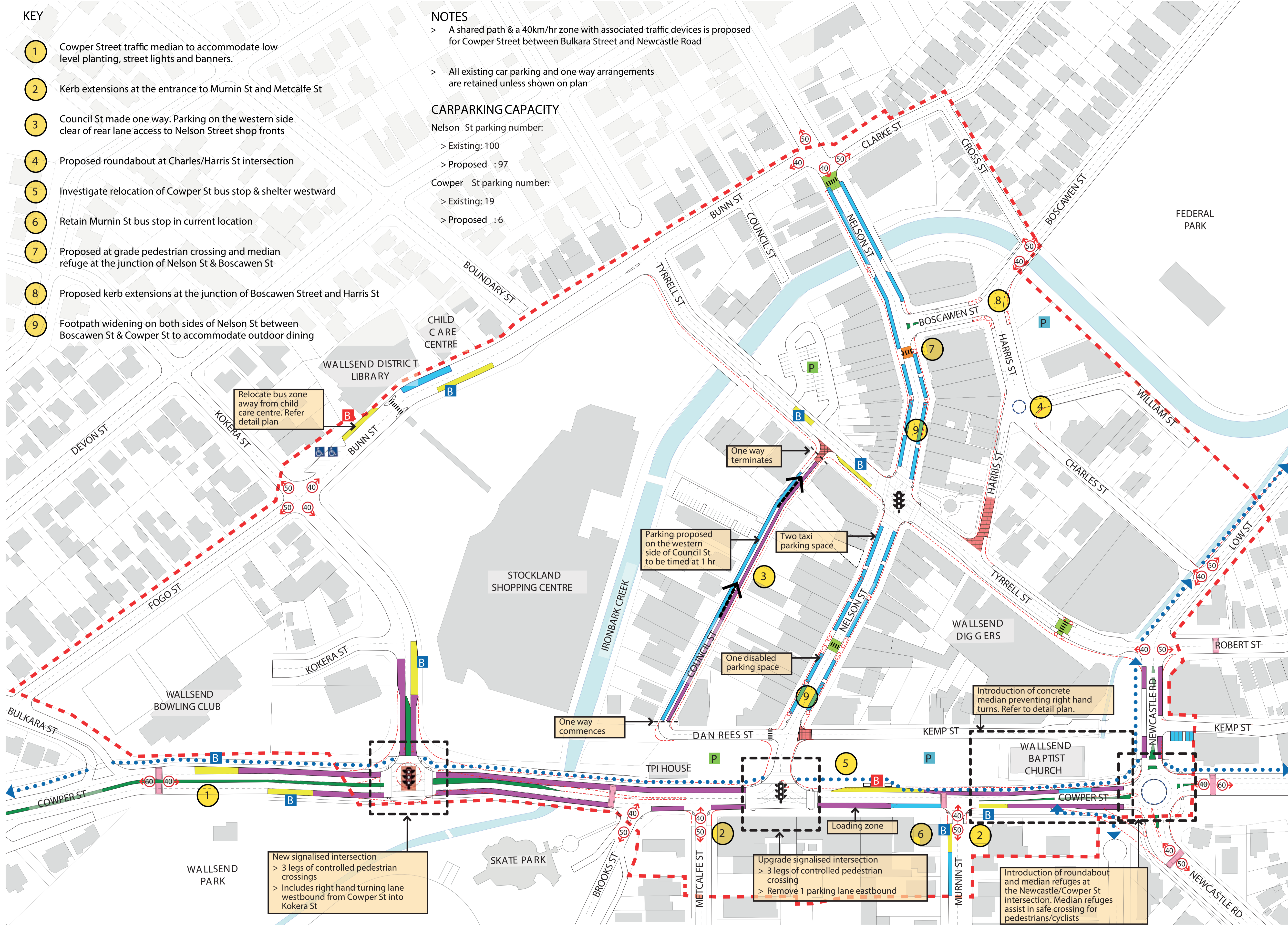
- > A shared path & a 40km/hr zone with associated traffic devices is proposed for Cowper Street between Bulkara Street and Newcastle Road
- > All existing car parking and one way arrangements are retained unless shown on plan

CARPARKING CAPACITY

- Nelson St parking number:
- > Existing: 100
  - > Proposed : 97
- Cowper St parking number:
- > Existing: 19
  - > Proposed : 6

LEGEND

- STUDY AREA
- PROPOSED KERB RE-ALIGNMENT
- REMOVED KERB
- PRAM RAMP
- EXISTING AT GRADE PEDESTRIAN CROSSING
- EXISTING RAISED PEDESTRIAN CROSSING
- PROPOSED AT GRADE PEDESTRIAN CROSSING
- PROPOSED SPEED CUSHION
- PROPOSED RAISED PAVED THRESHOLD
- COUNCIL CAR PARK UNTIMED
- COUNCIL CAR PARK TIMED
- EXISTING TRAFFIC LIGHT
- PROPOSED TRAFFIC LIGHT
- PROPOSED SHARED PATH
- NO STOPPING
- BUS ZONE
- TIMED PARKING
- PROPOSED UNTIMED PARKING
- PROPOSED/UPGRADED MEDIAN REFUGES
- EXISTING BUS STOP
- RELOCATED BUS STOP
- PROPOSED ONE WAY STREET



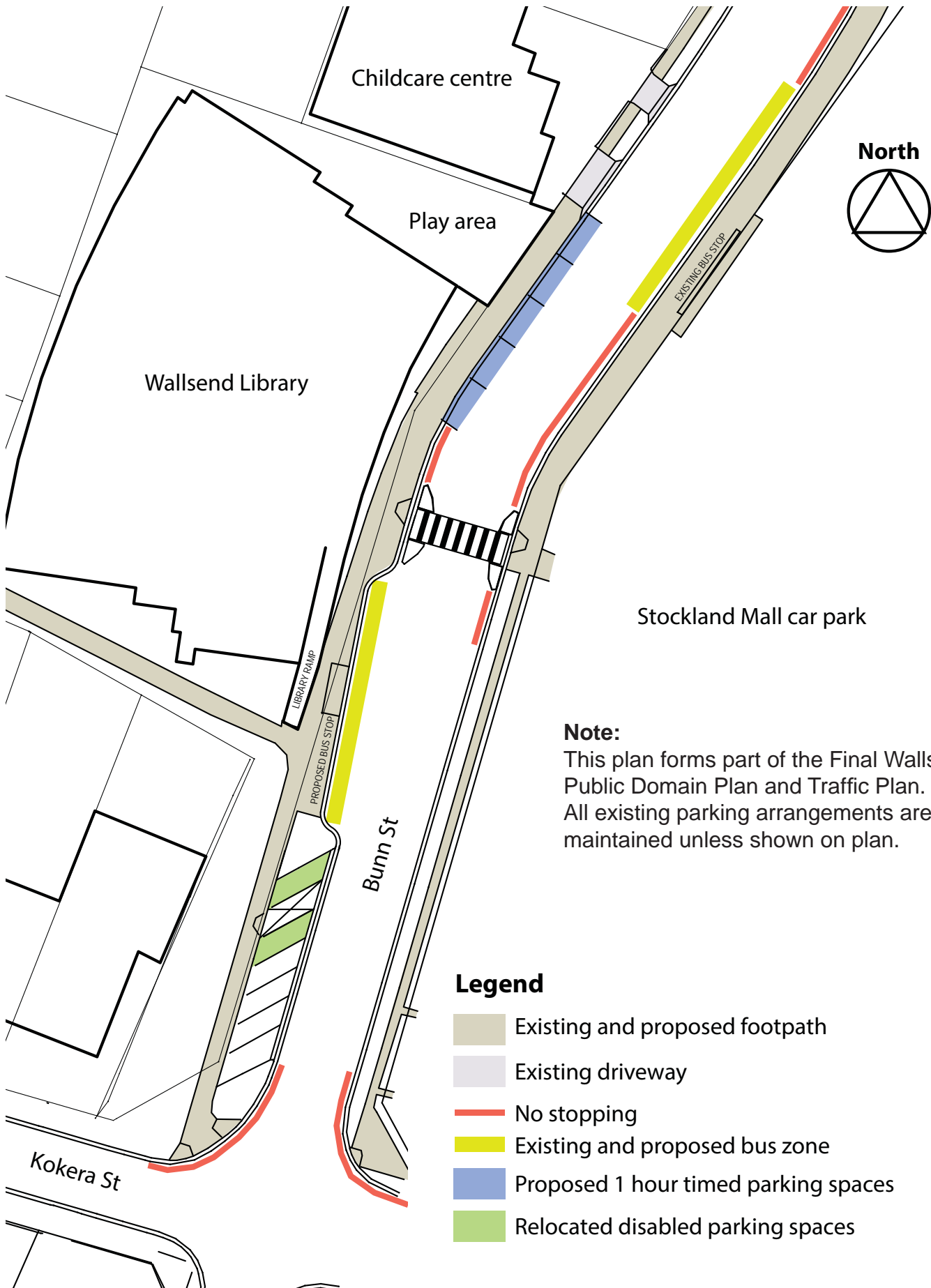
These plans have been produced for communication purposes only at masterplan level and are not detailed civil designs. Final layouts will be subject to a detailed design process and investigation of all service and technical requirements.

# WALLSEND PUBLIC DOMAIN - TRAFFIC PLAN

20<sup>th</sup> of April 2018



PO Box 489 Hunter Region Mail Centre Newcastle 2300



# Wallsend Public Domain Plan - Traffic Plan

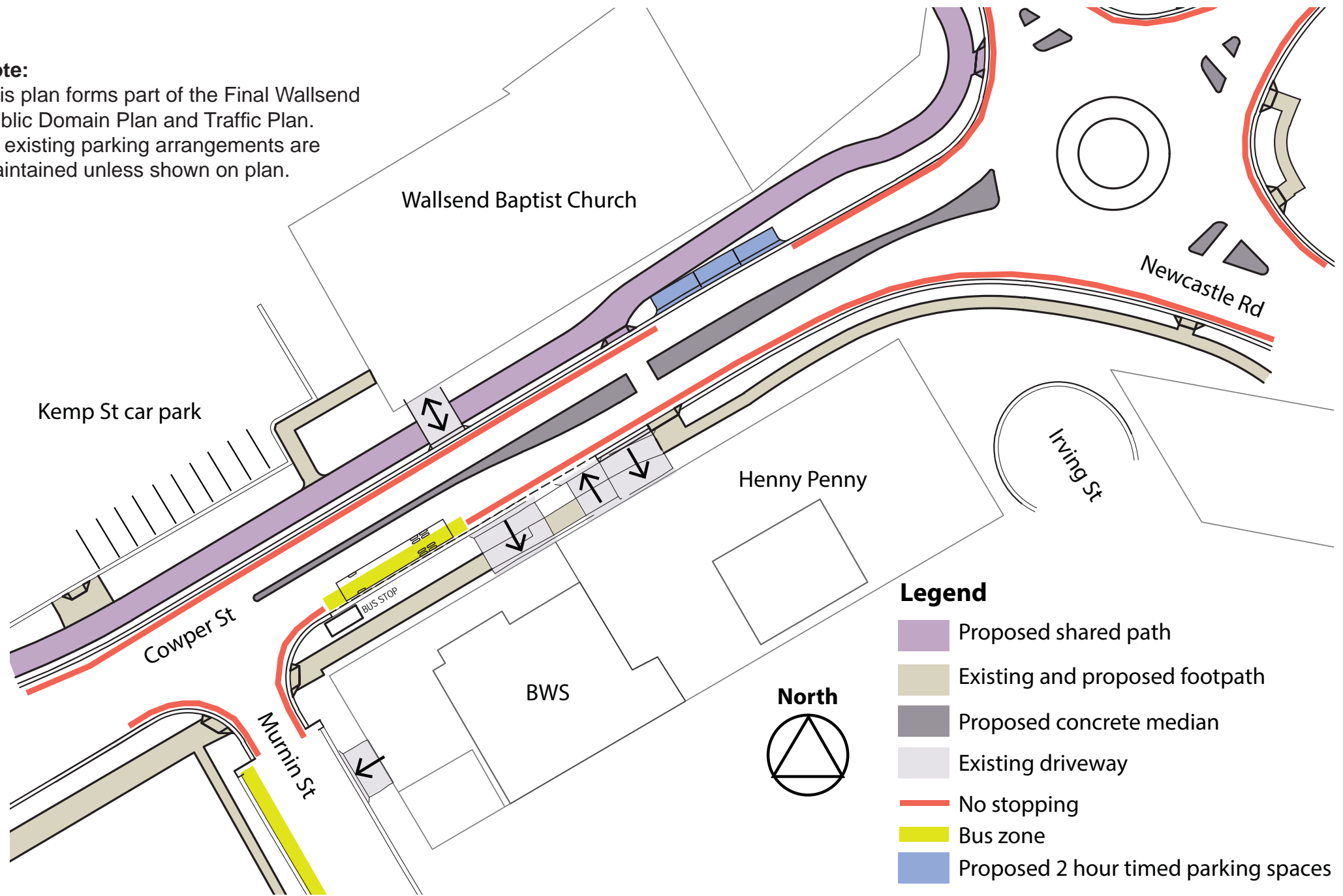
## Bunn St bus stop relocation



March 2018

**Note:**

This plan forms part of the Final Wallsend Public Domain Plan and Traffic Plan. All existing parking arrangements are maintained unless shown on plan.







**NELSON STREET - BEFORE**



**NELSON STREET - AFTER**



**COWPER STREET - BEFORE**



**COWPER STREET - AFTER**

# WALLSEND PUBLIC DOMAIN - BEFORE AND AFTER

20<sup>th</sup> of April 2018