

Healthy Urban Planning Initiative

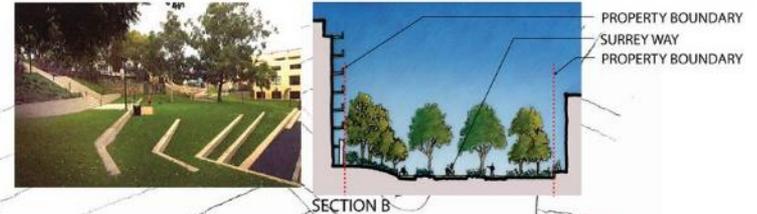
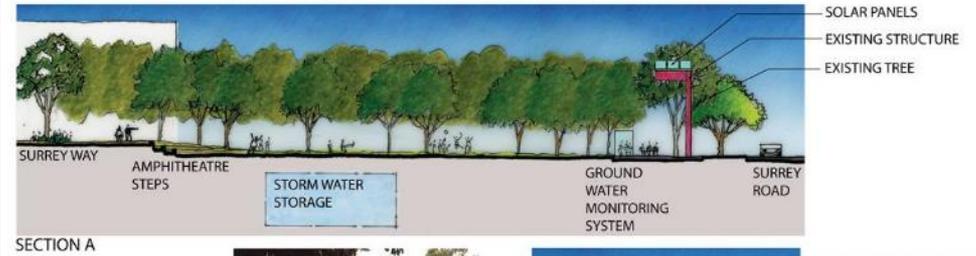
- Surrey Park South Yarra
- Pocket Parks
- Strategies for Open Space

December 2014



Surrey Road Park South Yarra - Evolution from Refuse Station to Park
Aerial photo 2013

The initial concept design for the Park was developed by Council staff and consultants in conjunction with Councillors. Features included an informal grassed oval with surrounding pathway; a paved entrance /meeting point on *Surrey Road*; sustainable features including water sensitive urban design gardens, tree planting and screening, steps and accessible ramps to accommodate level changes, an 'amphitheatre' with three phase power and informal seating.



-  *Juncus sp.*
- Understorey plantings**
Drought tolerant low native shrubs and succulents e.g.
-  *Themeda sp.*
- Aeonium sp.*
- Echeveria sp.*
- Sedum sp.*



PROPOSED REDEVELOPMENT OF SURREY ROAD DEPOT

The Surrey Road Refuse Station will be permanently closed on 1st July 2007.
 Alternative Refuse Stations include:

Boorondara Transfer Station
 648 Riversdale Road, Camberwell. ph. 9278 4444

Port Phillip Transfer Station
 Corner of White and Boundary Streets.
 South Melbourne. ph. 9209 6686

COMING SOON TO THIS SITE
 A New Community Park and Residential Precinct



BROUGHT TO YOU BY:



City of STONNINGTON

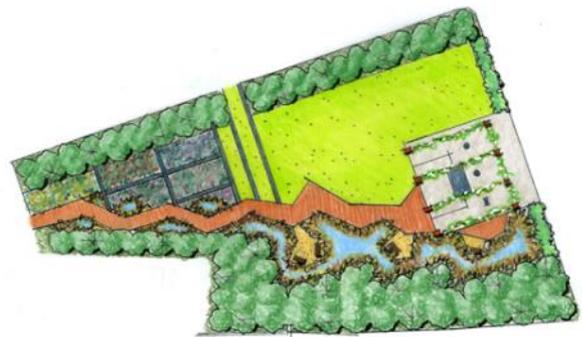
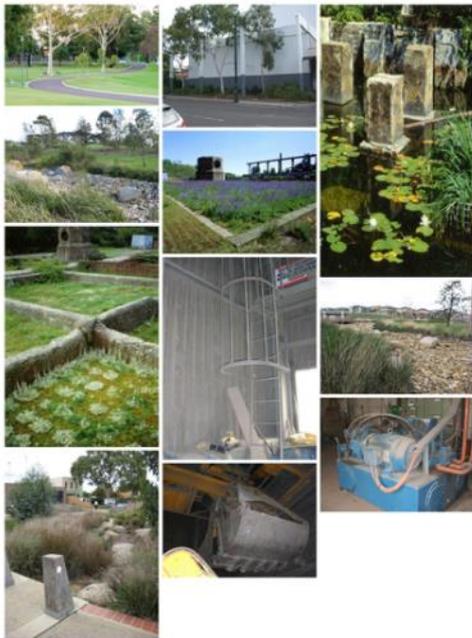
For all Park enquiries contact the City of Stonnington Customer Services Centre on 8290 1333



Surrey Road Refuse Station was permanently closed on 1/7/2007.

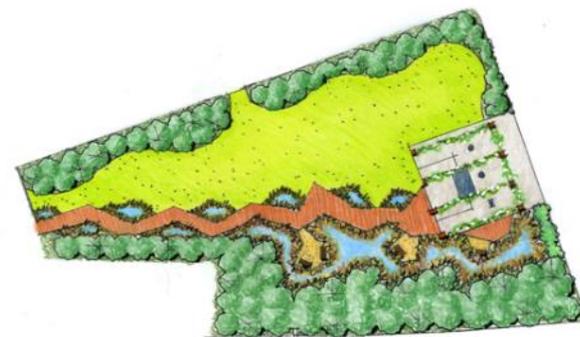
Key Design Elements:

1. **Water (integration of WSUD principles)**
 - Swale
 - Vegetated pond
2. **Public Plaza**
 - Frontage onto Surrey Road
3. **Informal Play**
 - Green open space delineated with paths and vegetation
5. **Historical Interpretation**
 - Retention and integration of key former operational items
 - Retention (in-part) and integration of existing built form e.g. steel columns
4. **Linkages - provision for pedestrian/cycle links**
 - Surrey Road
 - Clara Street
 - Palermo Street



OPTION 1

Water – integration of WSUD principles with swale & pond



OPTION 2

Public Plaza – Frontage onto Surrey Road



OPTION 3A

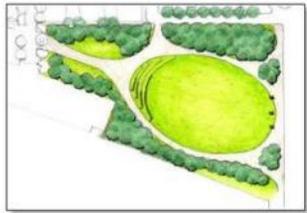
Informal Play – green open space delineated with paths & vegetation



OPTION 3B

Formalised path systems and segmented structure





Traditional



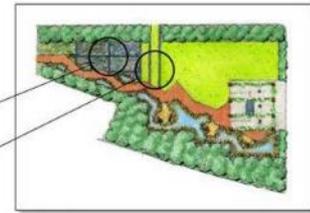
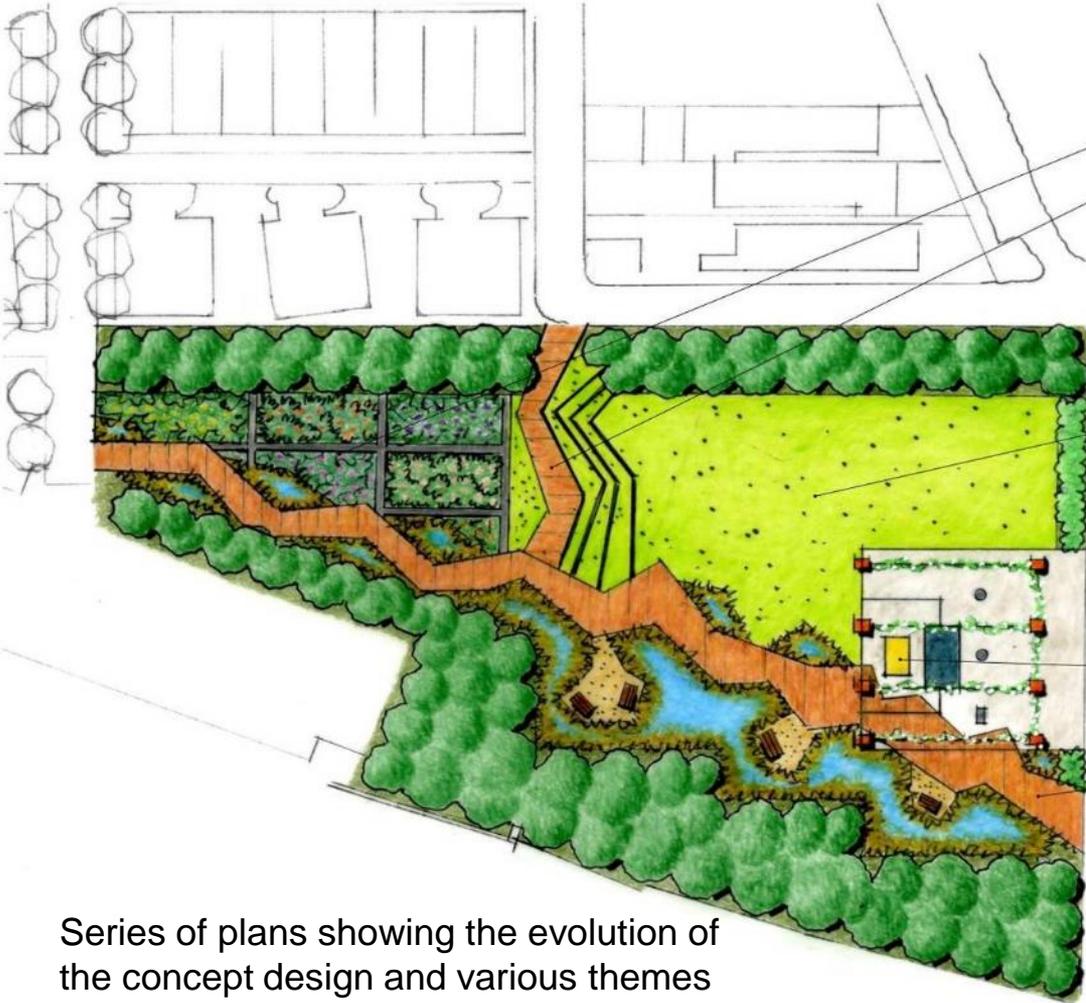
Hybrid



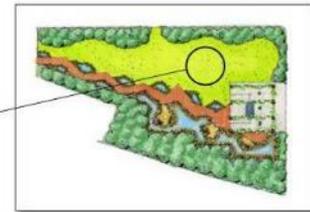
Environmental



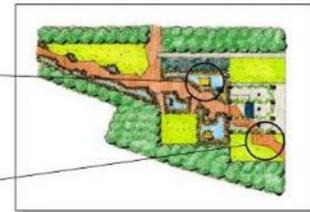
Archeological



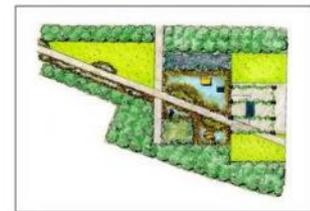
Option 1



Option 2



Option 3A



Option 3B



Series of plans showing the evolution of the concept design and various themes that were explored including archaeological and environmental emphasis.



PROPOSED PLANTING PALETTE

Boundary Planting

Dense evergreen trees, e.g.



Waterhousea floribunda



Park Framework Trees

Open canopied, native themed evergreen trees e.g.



Eucalyptus citriodora



Rain Gardens

Low native shrubs tolerant of periodic inundation e.g.



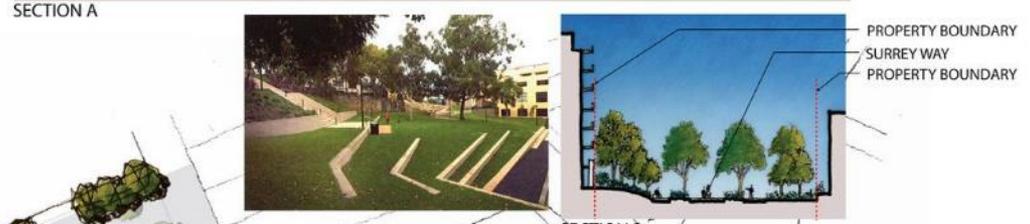
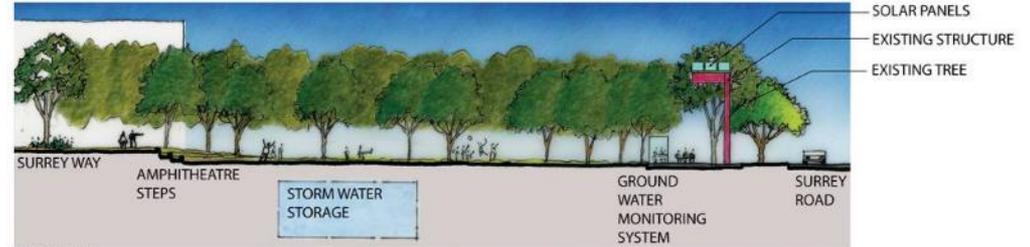
Lomandra sp.
Carex sp.
Juncus sp.



Understorey plantings
Drought tolerant low native shrubs and succulents e.g.



Themeda sp.
Aeonium sp.
Echeveria sp.
Sedum sp.



Concept plan presented to the community for comment



Some of the original buildings and machinery at the South Yarra Depot



Vacated depot with most of the buildings demolished



Surrey Road Park

The Masterplan for the Park focuses on the environmental values required as part of the remediation works, with design features incorporating sustainable materials, practices and methods to highlight the Park's value to the community, compensate for the past activities and re-establish the site in positive environmental terms.





Surrey Road Park is situated on the site of the old Stonnington depot and waste transfer station, which ceased operating in 2007.

Due to the site's past uses it was necessary to undertake soil and groundwater remedial works to address considerable contamination issues.

These works have been carried out in accordance with specialist advice and a site specific *Soil Management Plan* (SMP) has been implemented and a Groundwater Extraction System (GES) has been installed, to ensure the appropriate management of the residual soil and groundwater contamination at the site.





Residual Contamination

As part of the remediation of the site, residual soil contamination at concentrations below those defined in a site specific human health risk assessment were retained at the site. From the assessment and validation process, the key contaminants remaining in the soils predominantly at depth at the site include contaminants related to tar and petroleum hydrocarbons including

- Total petroleum Hydrocarbons (TPHs)
- Poly Aromatic Hydrocarbons (PAHs)
- Benzo(a)pyrene
- Naphthalene
- Monocyclic Aromatic Hydrocarbons (MAHs_
- Benzene





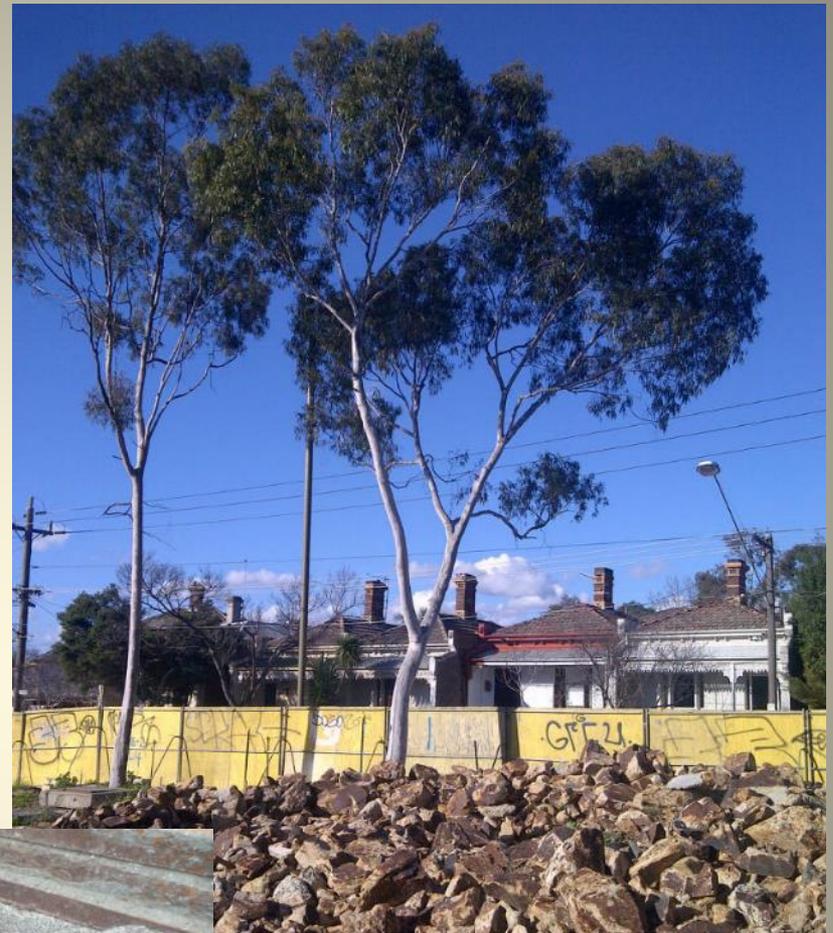
Underground infrastructure discovered as the soil remediation and park Masterplan commenced





The Groundwater Extraction System (GES) management was commissioned in 2004 to manage contaminated groundwater. The objectives of the GES include the reduction of the risk for migration of contamination from the site and as far as practical, capture of off-site groundwater that exceeds the groundwater quality remediation objectives.

In addition to the GES hydraulic control system, an additional biosparge injection system was commissioned at the site during 2012. This biosparge system injects air into the groundwater aquifer under low pressure to increase the biological breakdown of contaminants within the aquifer.



Elements that are incorporated into the park include a concrete retaining wall along the railway line to ensure stability, all soil and rocks 'discovered' on site and existing drainage pits.



LEGEND

- EXISTING STREET TREE Retain and protect during all construction work. Coordinate location.
- Acacia laevis Snowy River Wattle
- Acacia ligata Lightwood
- Acacia melanoxylon Blackwood
- Fraxinus ornata Smooth-barked Apple
- Brachybotan crinita Pear Brachybotan ash
- Brachybotan laetevirens Red Brachybotan ash
- Crataegus cilicarpa Lemon Scented Gum Supplied by Stonnington
- Eucalyptus amurensis Small-leaved Gum
- Eucalyptus amara River Red Gum
- Eucalyptus amara River Red Gum Supplied by Stonnington
- Eucalyptus crebra Little Spotted Drooping Gum
- Eucalyptus pernix Snow gum
- Lycopodium obscurum Larch Vire Supplied by Stonnington
- Lycopodium obscurum Larch Vire Supplied by Stonnington
- Trichostema laeve Harewood
- Wattlebird Wattlebird

**MASTER TREE PLANTING SCHEDULE
BALANCE OF WORKS**

BOTANIC NAME	COMMON NAME	SPACING	SIZE	QTY	SUPPLIED BY STONNINGTON PLANTED BY CONTRACTOR	SIZE
<i>Acacia laevis</i>	Snowy River Wattle	refer plan	45 litre 30mm ca. 2.5m high	18		
<i>Acacia ligata</i>	Lightwood	refer plan	45 litre 30mm ca. 2.5m high	3		
<i>Acacia melanoxylon</i>	Blackwood	refer plan	45 litre 30mm ca. 2.5m high	3		
<i>Angophora costata</i>	Smooth-barked Apple	refer plan	45 litre 25mm ca. 2.3m high	7		
<i>Brachybotan crinita</i>	Pear Brachybotan ash	refer plan	45 litre 30mm ca. 2.5m high	7		
<i>Brachybotan laetevirens</i>	Red Brachybotan ash	refer plan	45 litre 30mm ca. 2.5m high	8		
<i>Corymbia conidiata</i>	Lemon Scented Gum	refer plan	10 litre 30mm ca. 3.5m high	9 (3)	0	200
<i>Eucalyptus amara</i>	River Red Gum	refer plan	10 litre 30mm ca. 3.5m high	7 (4)	5	200L
<i>Eucalyptus amurensis</i>	Small-leaved Gum	refer plan	45 litre 30mm ca. 2.5m high	6		
<i>Eucalyptus globulus</i>	Snow gum	refer plan	45 litre 30mm ca. 2.5m high	6		
<i>Leptospermum laetevirens</i>	Lemon-scented Gum	refer plan	45 litre 30mm ca. 2.5m high	59 (19)	40	300mm
<i>Trichostema laeve</i>	Harewood	refer plan	45 litre 30mm ca. 2.5m high	16		
<i>Wattlebird Wattlebird</i>	Wattlebird Wattlebird	refer plan	45 litre 30mm ca. 2.5m high	7		

(* Actual number to be supplied by contractor)

Tree planting includes a range of native trees and shrubs to complement the environmental values of the park.

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GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF STONNINGTON'S STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. ANY DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE SUPERVISOR.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF STONNINGTON.
4. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CITY OF STONNINGTON'S STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. PROTECT FROM DAMAGE ALL EXISTING UTILITIES, SERVICES AND STRUCTURES AND SITE FURNITURE.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF STONNINGTON'S STANDARD SPECIFICATIONS FOR CONSTRUCTION AND SHALL BE SUPERVISED BY A QUALIFIED PERSONNEL.
7. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES AND SERVICES IN A SAFE AND SOUND CONDITION. ANY DAMAGE TO EXISTING UTILITIES AND SERVICES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. ALL MATERIALS ARE TO BE SUPPLIED FROM THE CITY OF STONNINGTON'S SUPPLIER LIST.

**TENDER ISSUE
NOT FOR CONSTRUCTION**

NO.	DESCRIPTION	DATE	STATUS
1	TENDER	15/03/2017	OPEN
2	TENDER	16/03/2017	CLOSED
3	TENDER	17/03/2017	CLOSED
4	TENDER	18/03/2017	CLOSED
5	TENDER	19/03/2017	CLOSED
6	TENDER	20/03/2017	CLOSED

landscape architects
planners & urban designers
not suitable for use
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10/03/17

City of Stonnington

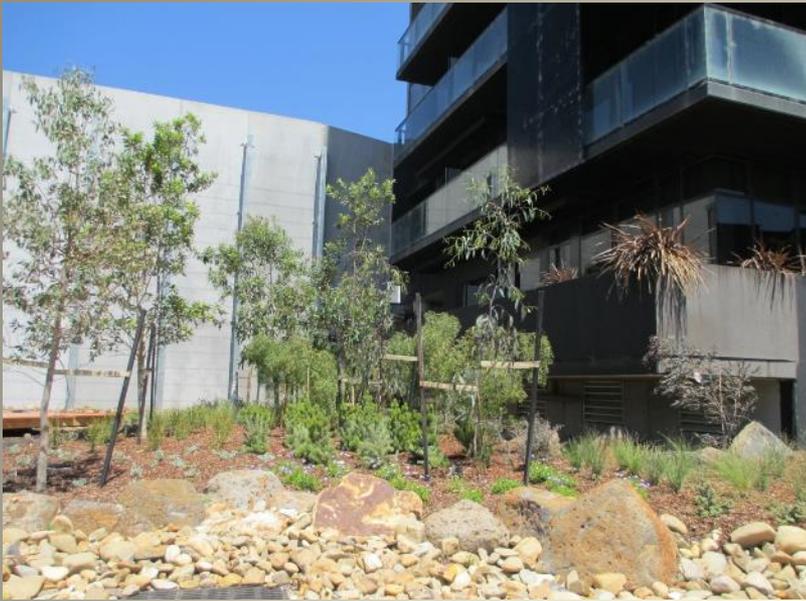
**SURREY ROAD PARK SOUTH YARRA
LANDSCAPE WORKS
TREE PLANTING PLAN**

Date	Drawn	Approved	Scale
02/03/2017	M.D.	E.C.	AS1:1000
Project Number: 10/03/17			Sheet: 1 of 1
Drawing Title: 10/03/17			Author: P
Drawing Code: 10/03/17			Checker: P
Drawing Date: 15/03/2017			Scale: 1:1000 @ A1

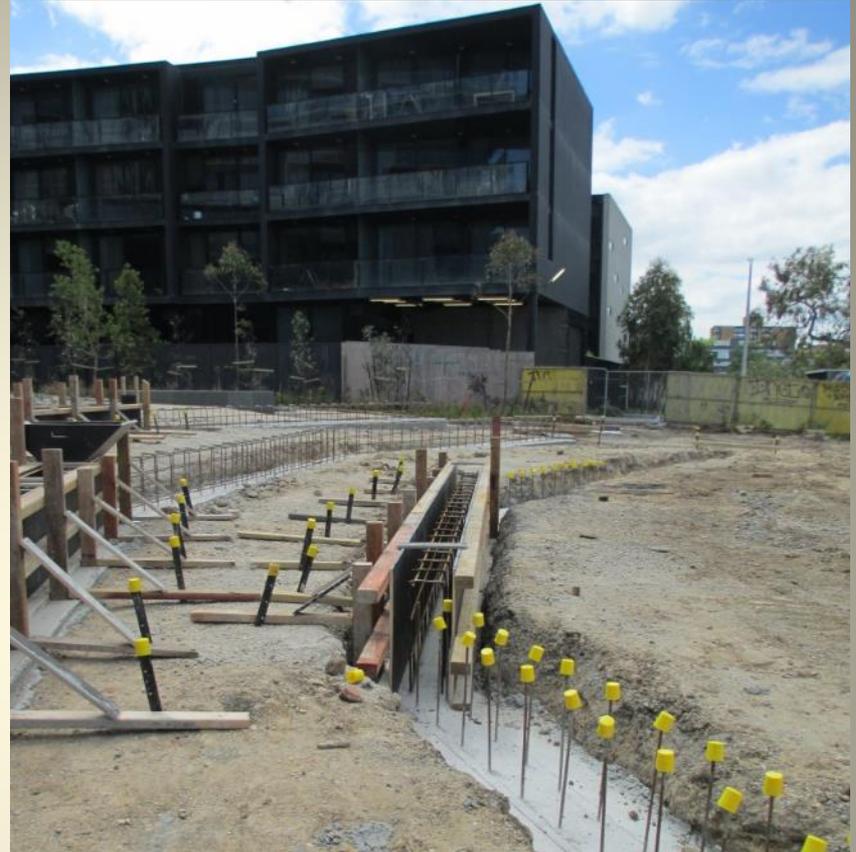


The construction of the park program was divided into two stages with Stage One works proceeding in early 2013 and Stage Two works commencing in October 2013.





- Environmental items included in the features of the park include:-
- Porous paving
 - Native trees and shrubs
 - A rocky swale to assist with drainage
 - LED lighting
 - Retention of all soil on site



Three concrete retaining walls have been installed to allow for the level changes on site and to provide informal seating. Due to a large Melbourne Water drain, two segments of the wall have been designed to bridge the drain in the event that access is required. Three phase power has been included so that small events can be held on site.



The Public Realm Strategy 2010 identifies the amount of open space available within South Yarra and predicts population increases that will place additional pressure on existing open space.

The Strategy predicts that South Yarra will undergo the largest increase in population (49%) due to increases in apartment living, and it will hold 19% of Stonnington's total population in 2021, in 10% of Stonnington's land area. South Yarra will also see higher pressures placed upon public spaces, compared to most other areas of Stonnington.





More recent activity in the park's construction.







Views of the recently completed Surrey Park



Surrey Park, South Yarra
– open to the public,
October 2014

Pocket Parks – recent Acquisitions

- 73 Millewa Avenue Malvern East – linking to Sydare Reserve
- 21 Ross St Toorak – linking to Carters Avenue Reserve
- 13 Grosvenor St South Yarra



Millewa Avenue Malvern East
– linking to Sydare Reserve



21 Ross St Toorak



21 Ross St - linking to
Carters Avenue Reserve





13 Grosvenor St South Yarra