

LANDSCAPE
ARCHITECTURE.

PORTFOLIO

Mark Robert Synan

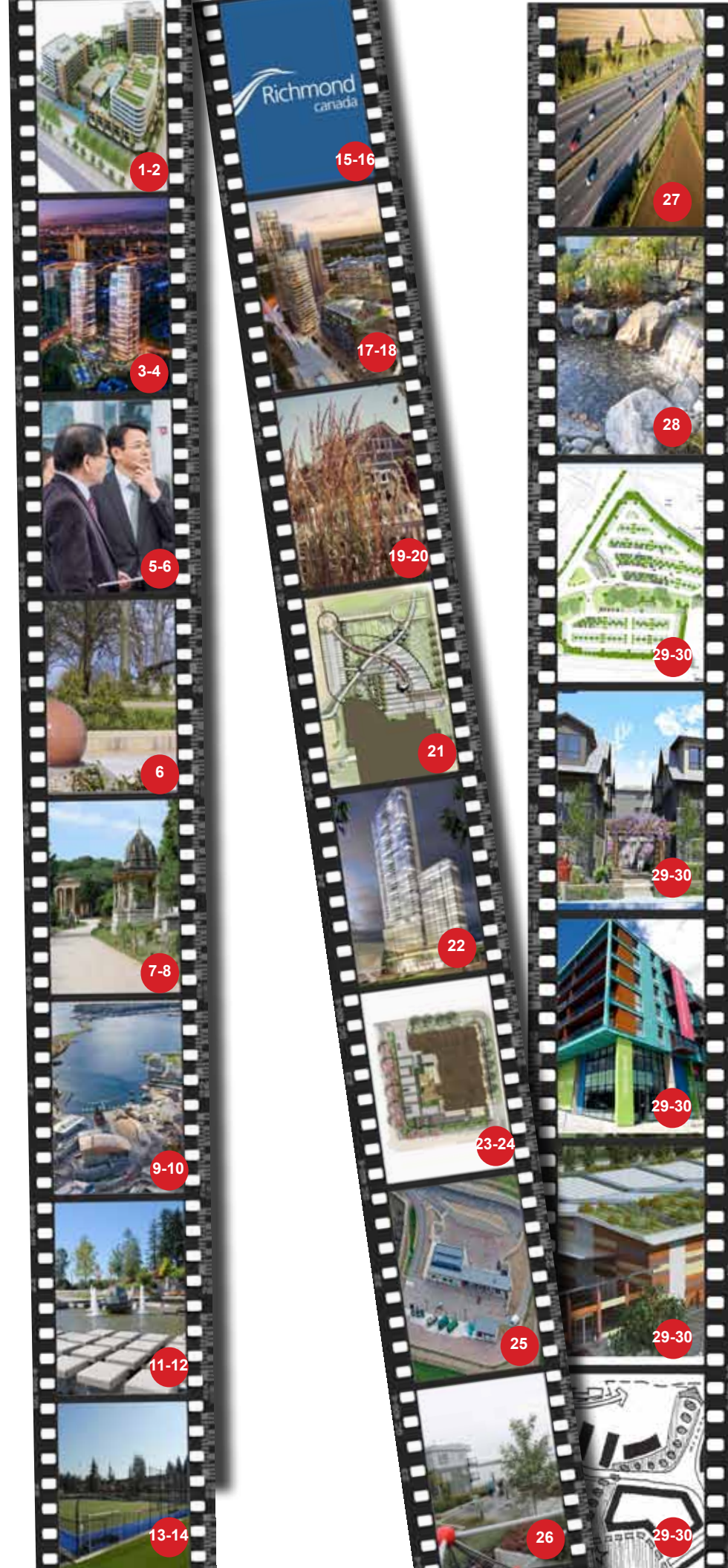
PURPOSE • INSPIRE • IMPROVE LIVES • LEAVE SIGNATURE • ENJOY

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Alderbridge Condos

7720 ALDERBRIDGE WAY, RICHMOND, BC .

Alderbridge Condos (now called Tempo) is a 237 unit condo/apartment complex situated in Richmond downtown, BC. The complex consists of a 3500m² (0.86 acres) podium amenity space, extensive green-roofs, 3 midrise buildings, and a variety of amenities, including a 30ft waterfall, swimming pools, and much more.

The project involved the full landscape design of all external features on the podium, upper roofs, street level, private patio space, and the Lansdowne Urban Park. The podium consists of artificial sports courts, playgrounds, waterfeatures, allotments, tai-chi facilities, outdoor kitchen and fire pit, swimming pool and hot tub area, and over 2500m² of lawn and landscaped gardens. Work also included extensive design and consultation for the Lansdowne Road Urban Park, which formed part of the offsite servicing agreement. This park will celebrate the Richmond parade, and contains cycle routes, seating, and outdoor cafes.

Project Milestones:

- Project Inception: June 2011
- Planning/Permit Application: DP August 2013, BP January 2014
- Tender: May 2014
- Construction: Not yet commenced.

Project Role

- Project Lead Landscape Designer
- Project Landscape Designer working with Principal and Larry Diamond
- ADP preparation and assisted at presentation (2 in total)
- Rezoning/DP/and BP submissions over a 3 year period
- Preparation of Tender Drawings and Specifications

Landscape Architects:

van der Zalm Associates (Employee 2010-Present)

Client:

Amacon/RCA Architects



3D Model for Podium and Lansdowne Rd

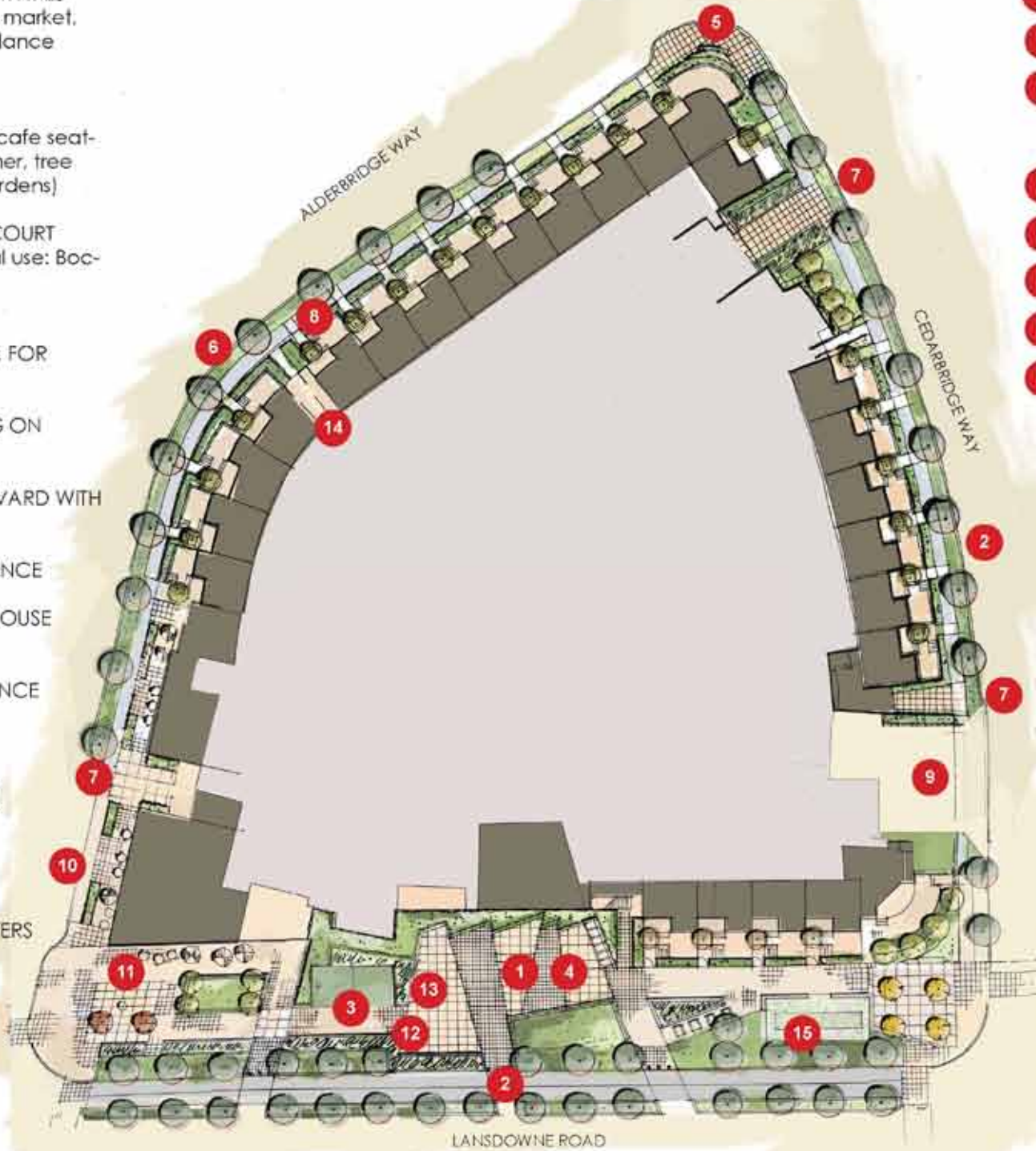
Top Left perspective view of Lansdowne Urban Park and Building A. Remaining perspectives consist of the central podium landscaped areas, Lansdowne water feature and 30ft waterfall, Allotment gardens and storage shed, and extensive green roof space.



Cross Sections

Variety of cross sections through Lansdowne Road Urban Park, and upper podium

- 1 HARD SURFACE FOR EVENTS AND ACTIVITIES (Tai Chi, farmers market, neighborhood dance or celebration)
- 2 LINEAR PARK (4m Cycleway, cafe seating on west corner, tree avenue, rain gardens)
- 3 SOFT SURFACE COURT Area for informal use: Bocci/lawn bowl/ badminton
- 4 SHELTERED AREA FOR RAINY DAYS
- 5 SPECIAL PAVING ON CORNERS
- 6 SODDED BOULEVARD WITH TREES
- 7 BUILDING ENTRANCE
- 8 TYPICAL TOWNHOUSE ENTRY
- 9 PARKING ENTRANCE
- 10 LOADING
- 11 PATIO (Outdoor seating area for cafe)
- 12 BIOSWALE
- 13 PERMEABLE PAVERS
- 14 EXIT STAIRS (See Architects drawing)
- 15 INFORMAL BOWLING



- 1 GREEN ROOF
- 2 ASIAN GARDEN
- 3 LAWN
- 4 HARD SURFACE COURT (Half court basketball, volleyball, badminton)
- 5 PLAYGROUND
- 6 PATIO
- 7 WATER FEATURE
- 8 POOL
- 9 URBAN AGRICULTURE (Garden plots, compost area)



Park Avenue

13718 100TH AVENUE SURREY, BC .

Park Avenue is a luxury 2 tower development (35 storeys) built by Concord Pacific, in Surrey Downtown with 'resort style' facilities. The condo/apartment building shares a 6500m²/1.6 acres amenity space.

The project involved the design of all the external features and taking the project from inception up to construction. Facilities include roof gardens, tennis courts, outdoor swimming pool and hot tub, cabanas, childrens playarea, golf putting green, and landscaped gardens. At the entrance lobbies two additional water features are also included.

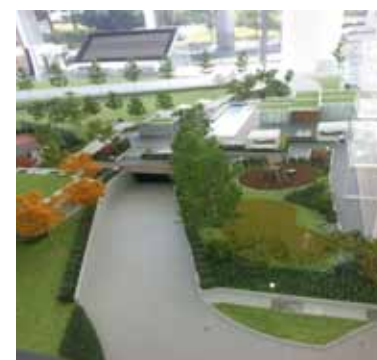
The complex design involved careful collaboration with a number of disciplines, and involved numerous custom details to meet the clients requirements to truly make this a unique residential complex.

Project Milestones:

- Project Inception: Pre 2009
- Planning/Permit Application: DP 2011/BP 2012
- Tender: November 2013
- Construction: November 2013 - Present

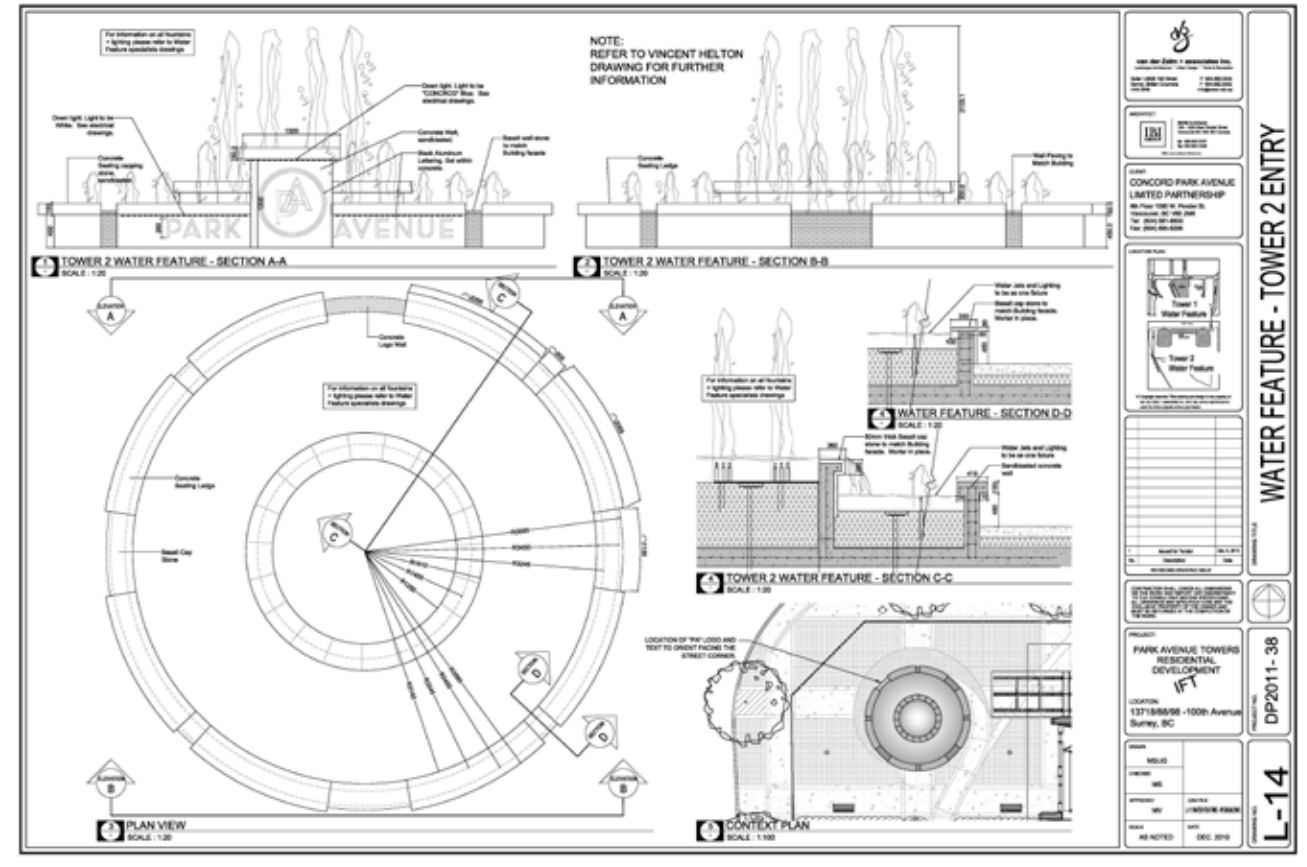
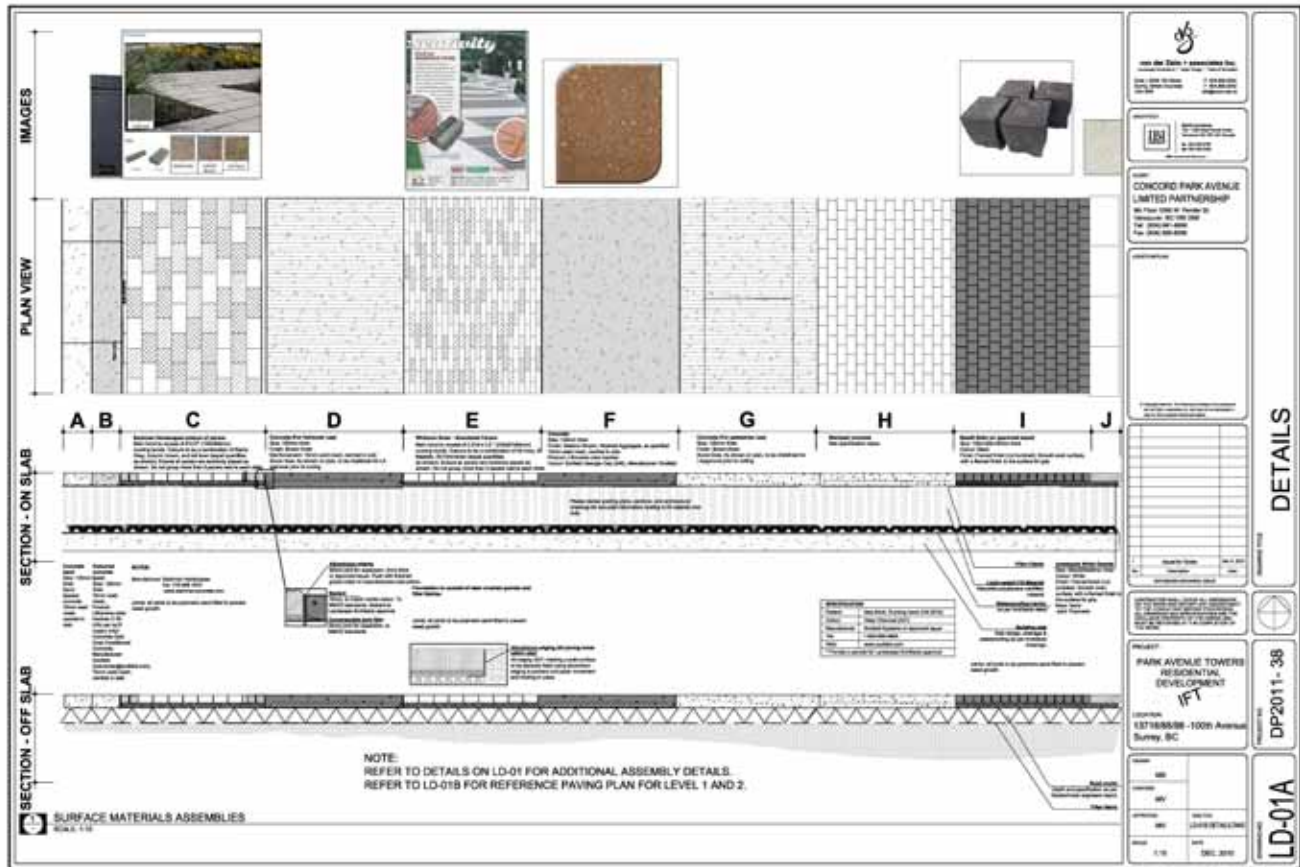
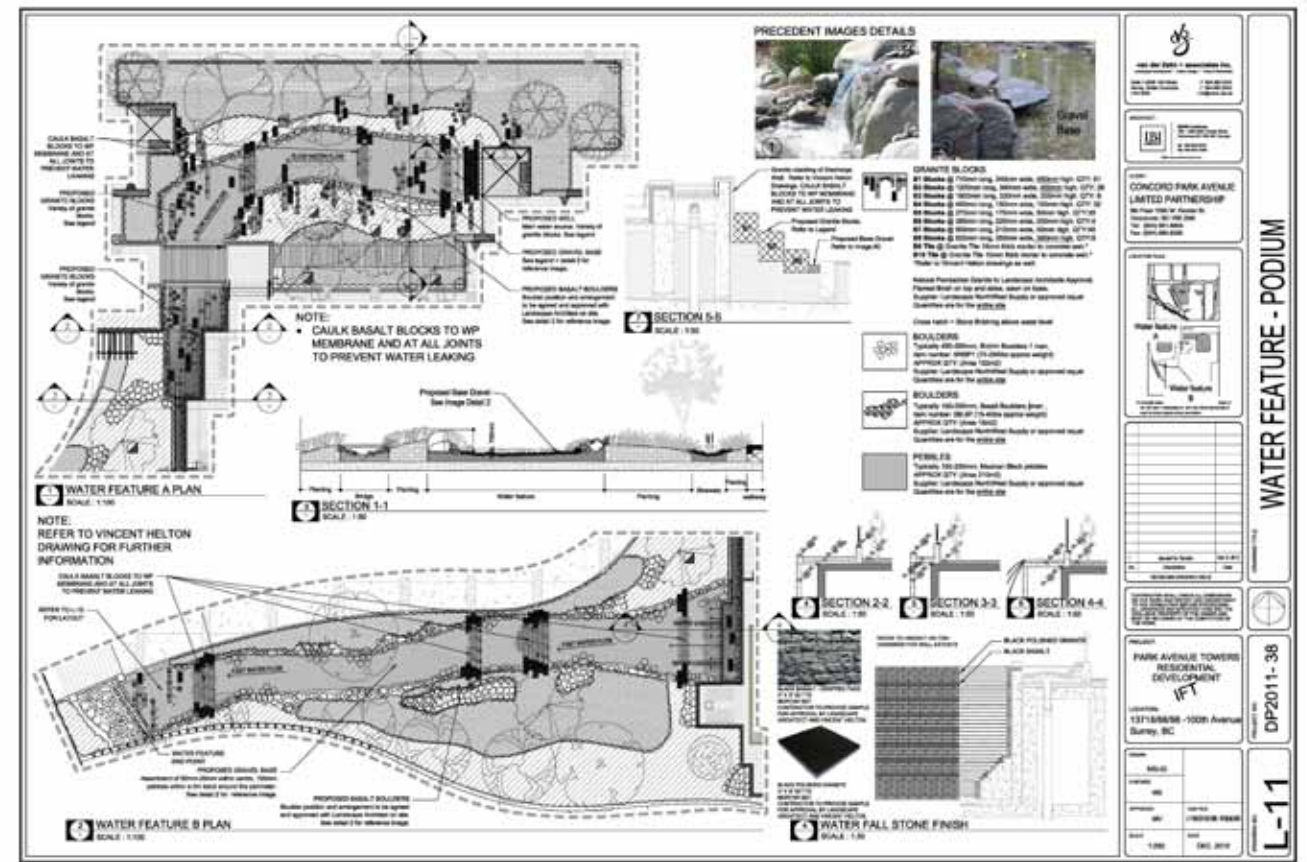
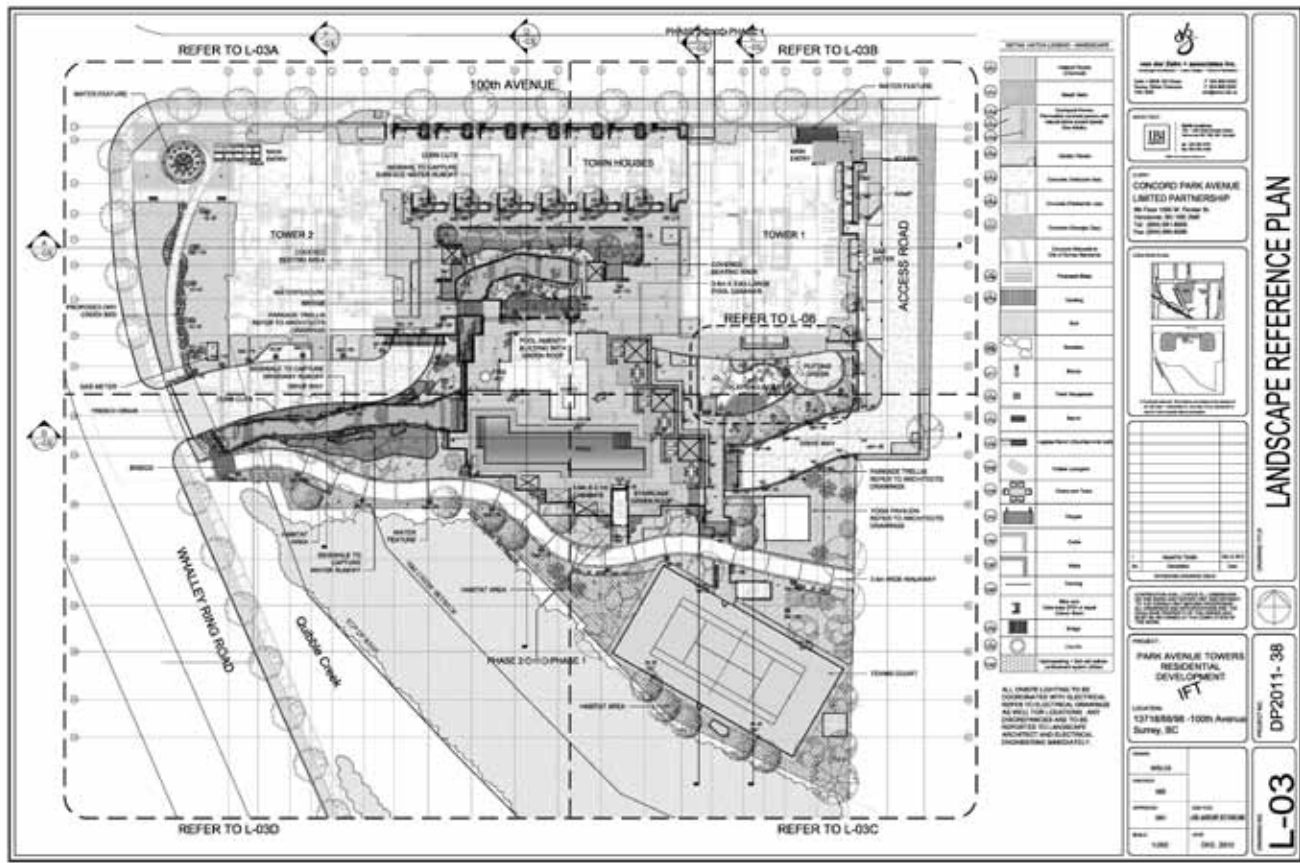
Project Role

- Project Lead Landscape Architect
- Preparation of DP/BP drawings
- Preparation of Servicing Agreement drawings
- Public Consultation Presentation
- Preparation of Tender Drawings, Specification, and assisted Project Civil Engineer with Tender forms
- Lead Landscape Architect during Construction Phase.



Landscape Architects:
van der Zalm Associates (Employee 2010-Present)

Client:
Concord Pacific



11th China (Zhengzhou) International garden expo 2017

ECONOMIC ZONE OF CHINA, ZHENGZHOU CITY.

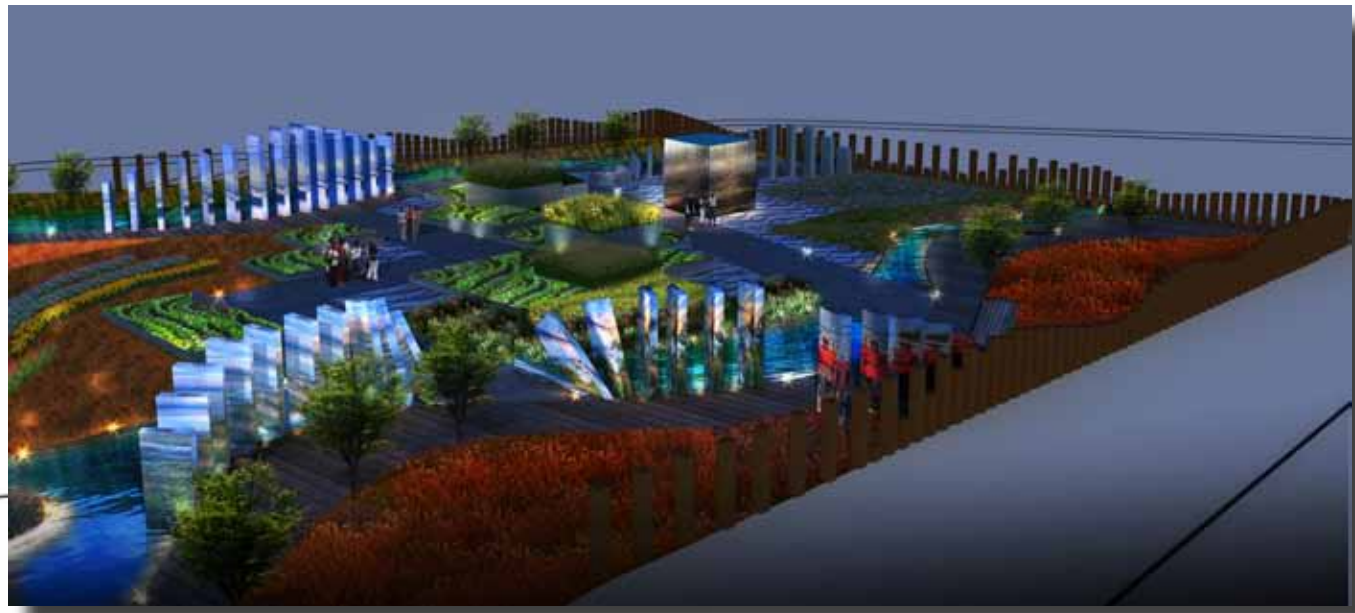
City of Richmond council agreed to participate in the 2017 Zhengzhou Garden expo as part of an exchange/agreement between the two cities. City of Richmond Parks Department was invited to design Plot J16 in the International Garden.

Full details on the expo in the attached link: <https://www.youtube.com/watch?v=BM6xL5lYnEo>



Municipality:

City of Richmond Parks and Recreation Department (Employee 2016-Present)



Project role

My role involved project management on behalf of the City of Richmond Park Department and full design from inception through to completion.

This involved coordination between the two countries, full graphic preparation, construction drawing development, and presentation to the Mayors and council for both Cities.

Design reflections

The expo submission is designed to reflect City of Richmonds character and identity.

Every form, material, plant selection, sculptures, paving pattern, fencing, all have meanings which mimic Richmond. The whole layout represents City of Richmonds urban and rural form. The two arms of the Fraser River are referenced by reflecting pools, the fence mimics the mountain backdrop, and plex glass sculptures all have images of meaning to the local area.

There are also over 20 references to Richmond in the design.....what else can you see?

Castle Gardens

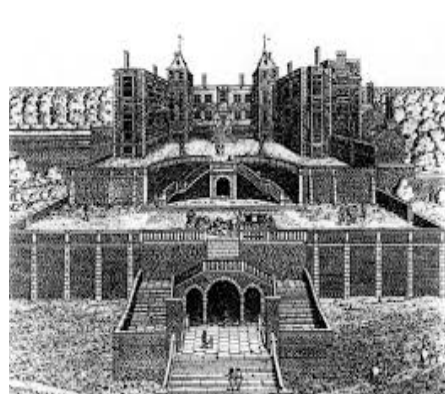
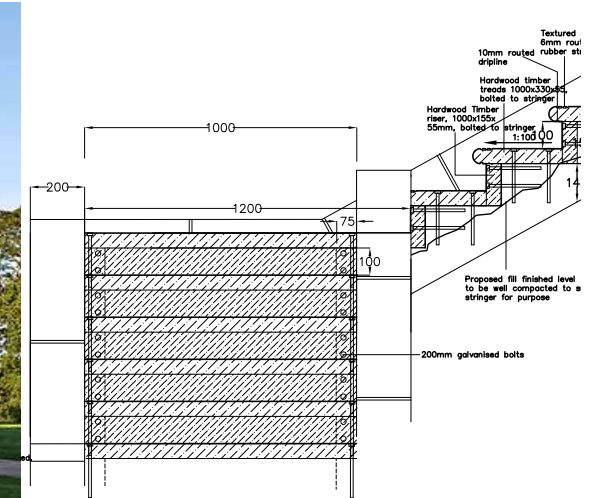
SEYMOUR ST, LISBURN, BELFAST - N.IRELAND.

4.2 million restoration of a 1.6ha park in Lisburn Northern Ireland, which was once a 1620's fortified manor house with gardens, terraces, and fortified walls. The site later became a public park in the 19th century, and protected as a Grade A Listed Schedule Monument.

The gardens were restored using Heritage Lottery Funding, and Soltys: Brewer Consulting were appointed Lead Landscape Architects.

Project Milestones:

- Project Inception: pre 2002
- Tender Documents: 2002-2005
- Construction: 2006-2009



Project Role

- Assistant Landscape Architect
- Concept development, hardscape design and detailing for paths, garden terraces, ramparts, grading, steps, balustrades, war memorial, planting design, tree removal plan.
 - Preparation of Planning drawings as part of a team.
 - Preparation of Tender drawings as part of a team.



Awards:

- Highly Commended 2009 LI Awards Heritage and Conservation
- Green flag award (an award that identifies the best green space in the UK)

Landscape Architects:

Soltys:brewster Consulting (Employee 2002-2004)

Client:

Lisburn City Council/ Heritage Lottery Fund

Arnos Vale Cemetery

WEST LODGE, BATH RD, BRISTOL - ENGLAND

A unique 4.8ha cemetery in Bristol, England, dating back to 1839, containing many famous burials. The site contained Grade 2 listed buildings and monuments, and is designated as a conservation area. The cemetery was left abandoned in the 1970's, allowing a woodland to establish and destroy most of the buildings and monuments. Some were 8 metres tall and dangerously close to collapse. A 4.8 million pound Heritage Lottery grant was awarded to restore the cemetery in 2003, Nicholas Pearson Associates were appointed lead Landscape Architects



Before Refurbishment

Pre 2005



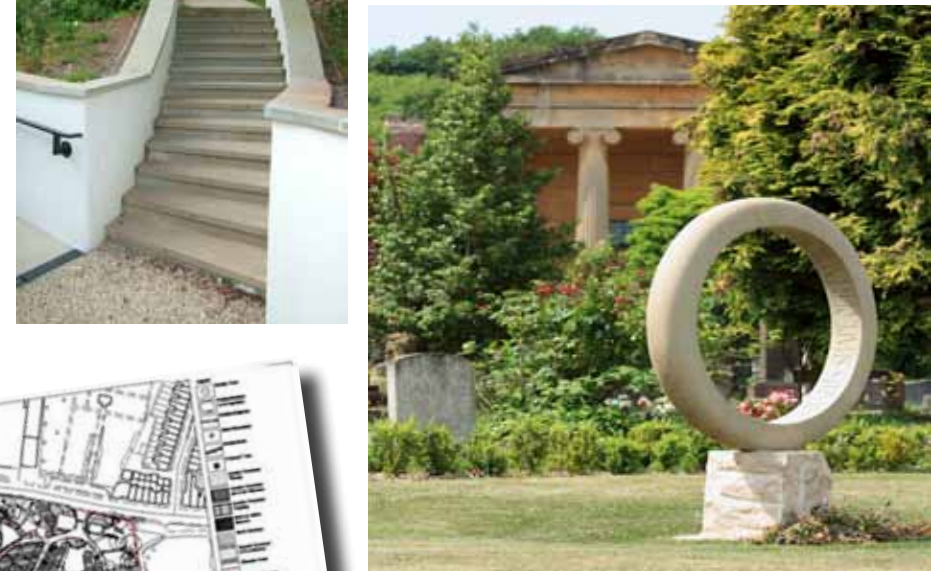
Awards:

- Highly Commended 2010 LI Awards, Winner in Heritage and Conservation



After Refurbishment

2009



Project Role

- Project Landscape Architect (2007-2009)
Managed external works implementation phase (4 million pound contract).
- Assistant Landscape Architect (2005-2007)
Assisted Associate with 250,000 pound woodland management contract

Landscape Architects:
Nicholas Pearson Associates (Employee 2005-2009)

Client:
Bristol City Council/ Arnos Vale Cemetery Trust/Heritage Lottery Fund

Cardiff Bay

SELECTION OF PROJECTS DURING THE REDEVELOPMENT OF CARDIFF BAY

In 1987 the Cardiff Bay Development Corporation (CBDC) was formed (under Urban Development Programme) to regenerate 1,100 hectares of derelict docklands of Cardiff and Penarth.



Cardiff docks was once the bustling hub of South Wales during the industrial revolution (1830-1870), with coal and iron arriving by rail and canal from South Wales, before being exported around the world. It was estimated that exports boomed to 2.219 million tonnes. With the collapse of the coal industry post world war two, the vast docklands were left abandoned and left in decline until the formation of the CBDC in 1987.

Today, Cardiff boasts to be the largest waterfront development in Europe consisting of a new opera house, barrage, national assembly of Wales, Cardiff International Sports Village, Ice rink, rafting and sailing facilities, and multiple restaurants and mixed use developments. The bay has cleverly retained its former maritime character, with several docks/wharfs converted to plazas or retained as attractive water-side development.



Coal exchange

Historic & listed building (1886) and an icon within Cardiff bay (Not a project & shown for context only)



Cardiff Bay Aerial

Photo taken (2010) across the bay. View of opera house & coal exchange in foreground. Cardiff barrage & location of Penarth headland link shown in the background. Prospect place visible on top right of image.

Between 2002-2005, Mark Synan commenced his career as a Graduate Landscape Architect at a newly formed Landscape Architectural practice on the outskirts of Cardiff Bay: Soltys:brewster Consulting. The practice was heavily involved in major developments within Cardiff Bay and Penarth, which was claimed to be Europe's 'fastest growing city in Europe' at the time.

Penarth Headland Link Penarth/Cardiff-Wales (2002-2004)

Penarth Headland Link is a raised coastal walkway/cycleway linking Cardiff Bay to Penarth around a coastal Headland. The site was heavily protected by national designations (SSSI/SAC/Ramsar). My involvement included the preparation of an LVIA for the Environmental Impact Assessment, preparation of the NTS, and assistance with the landscape design over a two year duration.

Cardiff & Leckwith Stadiums Cardiff Bay-Wales (2002)

Cardiff City Council gave a 125 year lease to Cardiff City on a 40 acre block of land, to:

- 1) Relocate Cardiff City football stadium from its former Ninian Park site to Leckwith.
- 2) Leckwith Athletics stadium was also relocated in the move.
- 3) Capital Retail Park (situated next to CCFC stadium) (see below description)

Work involved assisting early major masterplanning and landscape design over a two year duration.

Capital Retail Park Cardiff Bay-Wales (2004)

Capital retail park is a major retail development consisting 21 stores on a 470,000 sq ft site for Capital Retail Park Partnership. The project was part of the Cardiff City Football Stadium and Leckwith Stadium Developments. Work involved the full design of road infrastructure and landscape design to the retail park. The roundabout (left) was inspired by Charles Jencks and in the form of low mounding and minimalist landscaping.

Capital Retail Park



Prospect Place



Landscape Architects:

Soltysbrewster Consulting (Employee 2002-2004)

Client:

Varies: Mainly Powell Dobson Partnership, Cardiff City Council, Arup Architects, Bellway Homes.

**Prospect Place
Cardiff Bay-Wales (2003)**

Watersite apartment complex overlooking mermaid quay in the heart of Cardiff Bay. A total of 930 homes were created for Bellway Homes, following a long and complex planning process. The project was built on a prominent site reclaimed from Cardiff Bay. Landscape work involved assisting with the planning application submission, landscape masterplanning, and detailed design.

**Water Quarter
Atlantic Wharf, Cardiff Bay-Wales (2002-2004)**

Apartment building, landscape courtyard design, softscape design, and preparation of a management plan for the 106 agreement. The waterquarter is located at Atlantic Wharf, a former dock within Cardiff Bay and now converted to an attractive still lake.

**Eastern Business Park
St Mellons Cardiff-Wales (2003)**

Modernisation to an existing business park in Cardiff. Project work involved preliminary sketch ideas and concept development to rejuvenate the campus's appearance.

**Electricity Club
Pontcanna/Cardiff-Wales (2002)**

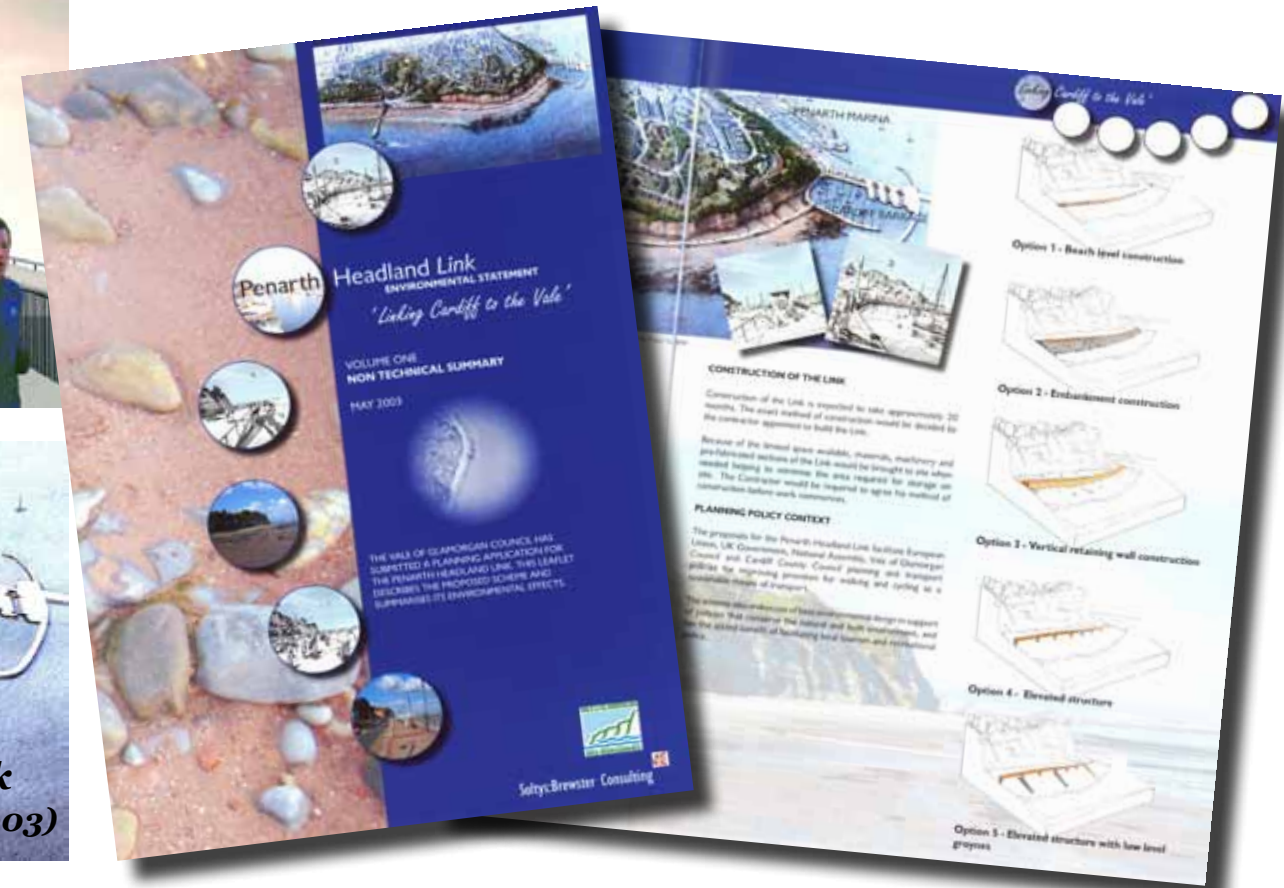
Electricity club was a Gentlemans Social Club also used for community social events & wedding receptions. Landscape Architectural & Architectural Services were requested to convert half the land to housing, and retain the social facility. Work project manager (under direction from principals) for the following services:

- Planning application
- Competitive Tender (Practice Note 6)
- Contract Administration (JCLI)

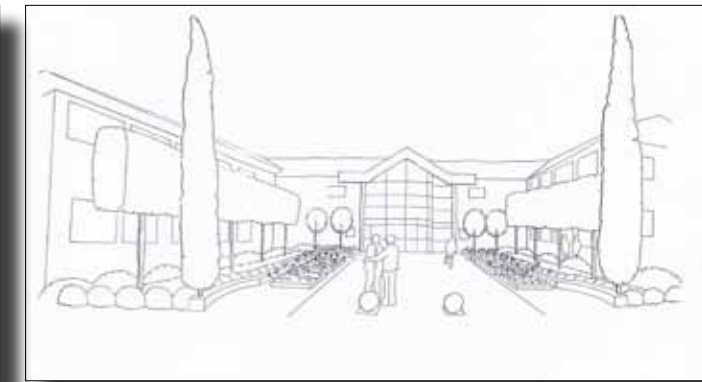
Landscape work was undertaken for a new car park amongst existing mature trees and landscaping the new housing estate.



**Penarth Headland Link
Penarth/Cardiff-Wales (2003)**



Eastern Business Pk



Water Quarter



Holland Park

13428 OLD YALE ROAD , SURREY, BC .

Holland Park is the main central park in the downtown Surrey, BC. The urban park hosts Fusion festival, major concerts, outdoor cinema, and was a 2010 Winter Olympic venue.

van der Zalm Associates designed and oversaw the construction of phase A, within the 10 acre landscape park. Phase A was designed around a 'passive' recreational concept. The design consisted of raised planters, the spirit garden, large central lawn for major events, waterfeatures, and walking trails.

My role involved the proposal of Phase B Sister Cities Garden, design of a landmark playground, and the commencement of the South proportion of the park in 2009-Present.

The Sister Cities Garden (shown right) is a proposal to celebrate Surreys Connection to Zhu Hai in China, and Koto Ku in Japan. The proposal consists of the central world map water feature. Signage and lighting link the Cities on the map to sections of the garden. Within the garden itself, a strong Japanese and Chinese theme is celebrated.

Project Milestones:

- Construction (Phase A Playarea): August 2011
- Construction (Phase B Playarea): pending 2014

Project Role

- Project Lead Landscape Architect (Phase B & Playarea)
- Project manager & Landscape Architect.
- Preparation of Tender/Construction Drawings & Specification for the playarea.

Landscape Architects:

van der Zalm Associates (Employee 2010-Present)

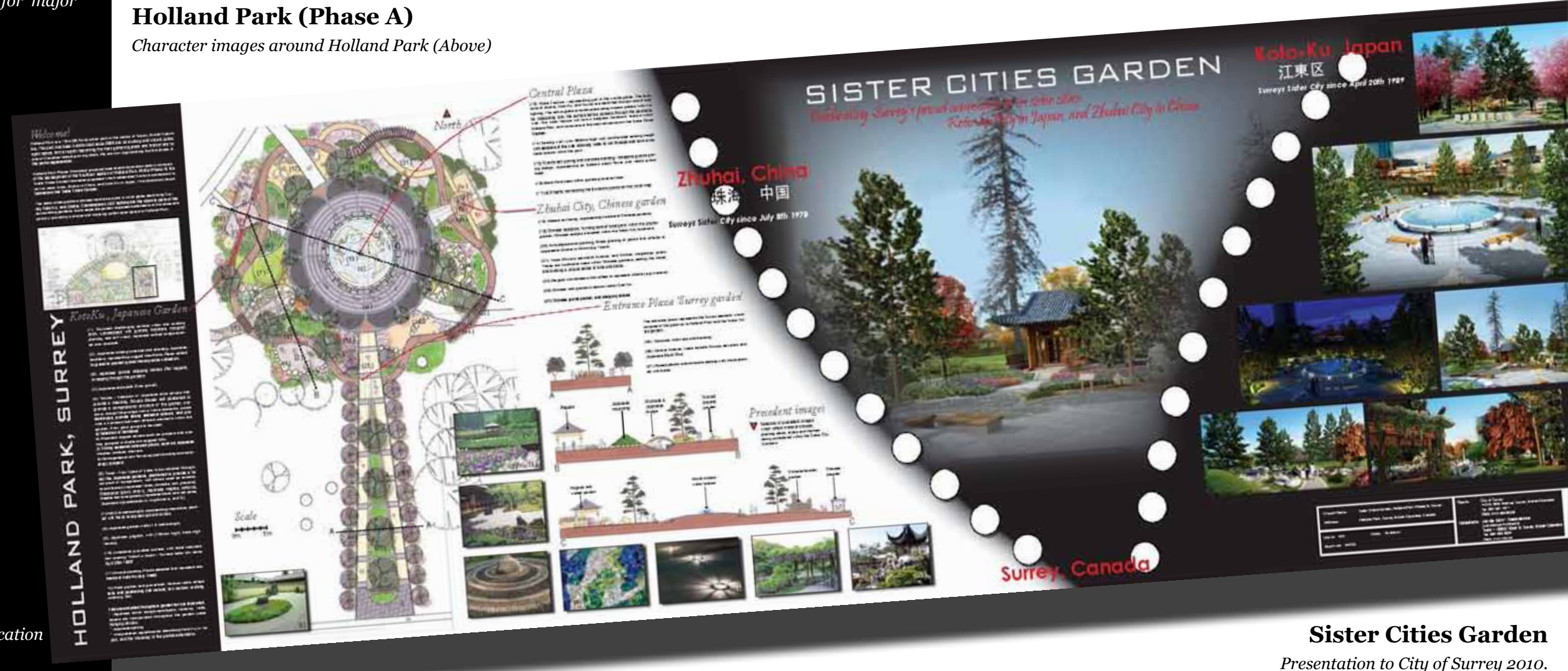
Client:

City of Surrey



Holland Park (Phase A)

Character images around Holland Park (Above)



Sister Cities Garden
Presentation to City of Surrey 2010.

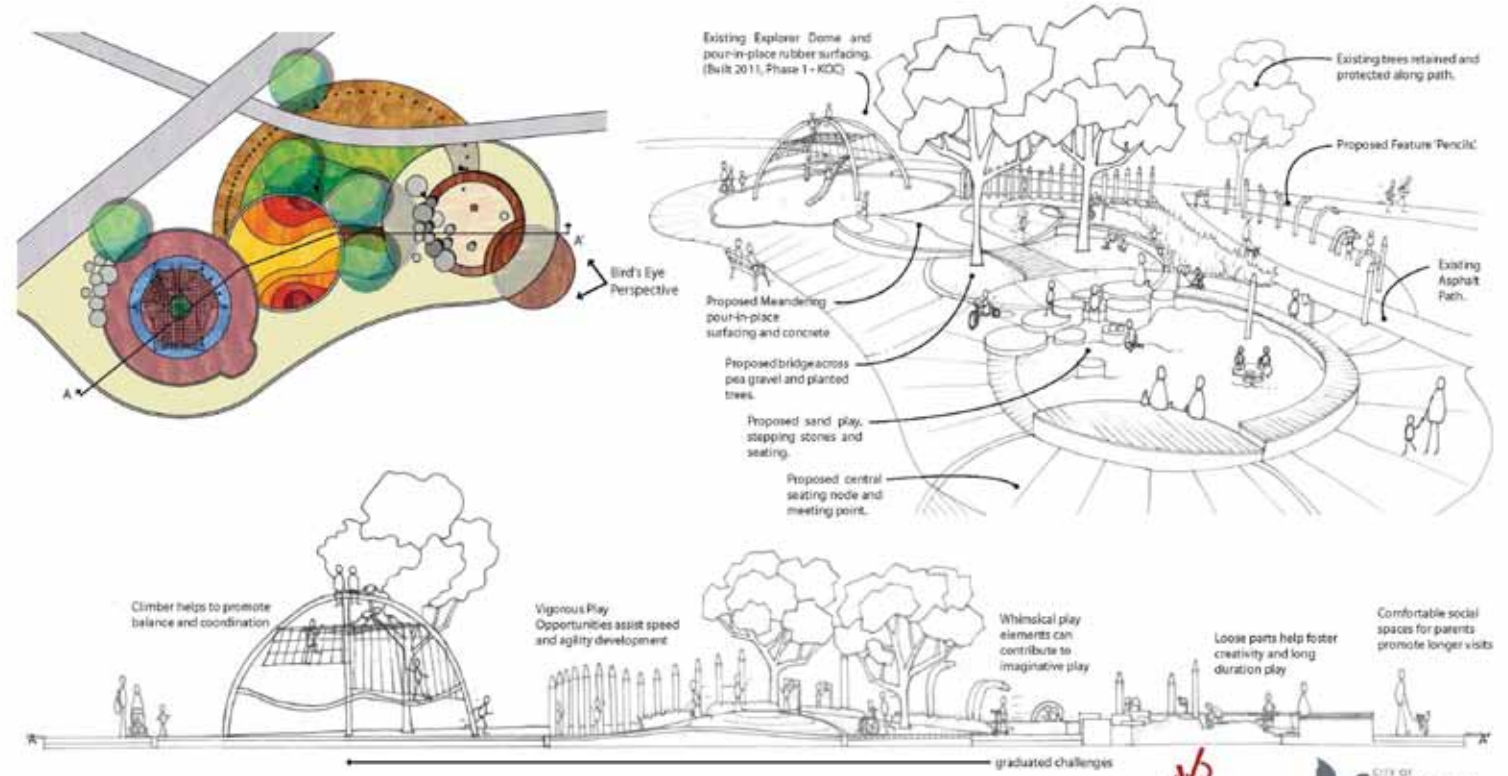


Holland Park Play Area (Phase A)
Explorer dome (installed 2011)

HOLLAND PARK PLAYGROUND



PHASE 2 CONCEPT

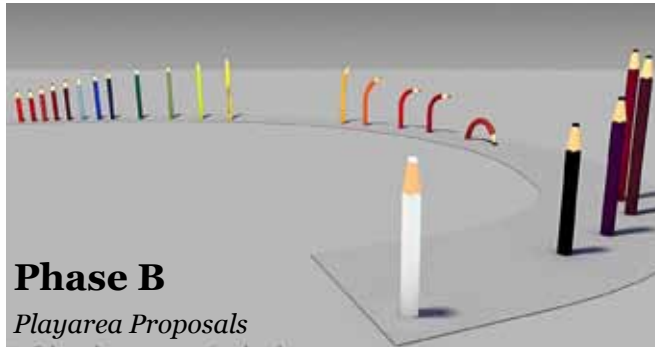


van der Zalm + associates
CITY OF SURREY
The Future Starts Here

Phase B
Playarea Proposals



Phase A
Playarea built 2011



Tamanawis Park

12601 - 64TH AVENUE, SURREY, BC .

Tamanawis Park is a 8 hectare/19.5 acre Community park with recreational trails and Sport facilities. The park consists of 2 full lit artificial turf hockey fields, 2 baseball diamonds and a rugby field shared with Tamanawis Secondary School.

The project involved the re-design of the park and link to the secondary school, design of the second artificial hockey field, and installation of a new field house. The site was particularly challenging due to structurally poor subsoils, resulting in large volumes of subsoil needing to be removed or incorporated within the landscape design. In response to this site constraint, the problem was viewed as an opportunity to lower the field and create an amphitheatre effect. Through landscape design this was achieved through ramparts, basalt boulder walls neatly meander around the field, and carefully sited berms. Seating, path networks, and planting were also added to enhance the space and user experience. Today, the park comes to life when hundreds of spectators for National Hockey Championships and local sporting events. Spectators can be seen sitting on the boulder walls, ramparts and berms, and fill the bleachers. On quiet days, cyclists and walkers enjoy the facility.

Project Milestones:

- Project Inception: January 2010
- Planning/Permit Application: BP for building & structures 2010
- Tender: November 2011
- Construction: February - November 2011

Project Role

- Project Manager & Landscape Architect*
- Lead park designer
- Public Consultation Presentation
- Preparation of Tender Drawings, Specification, and assisted Project Civil Engineer with Tender forms
- Lead Landscape Architect during Construction Phase.

Landscape Architects:

van der Zalm Associates (Employee 2010-Present)

Client:

City of Surrey



Hockey Field 2

Masterplan and perimeter landscape design



City of Richmond, BC.



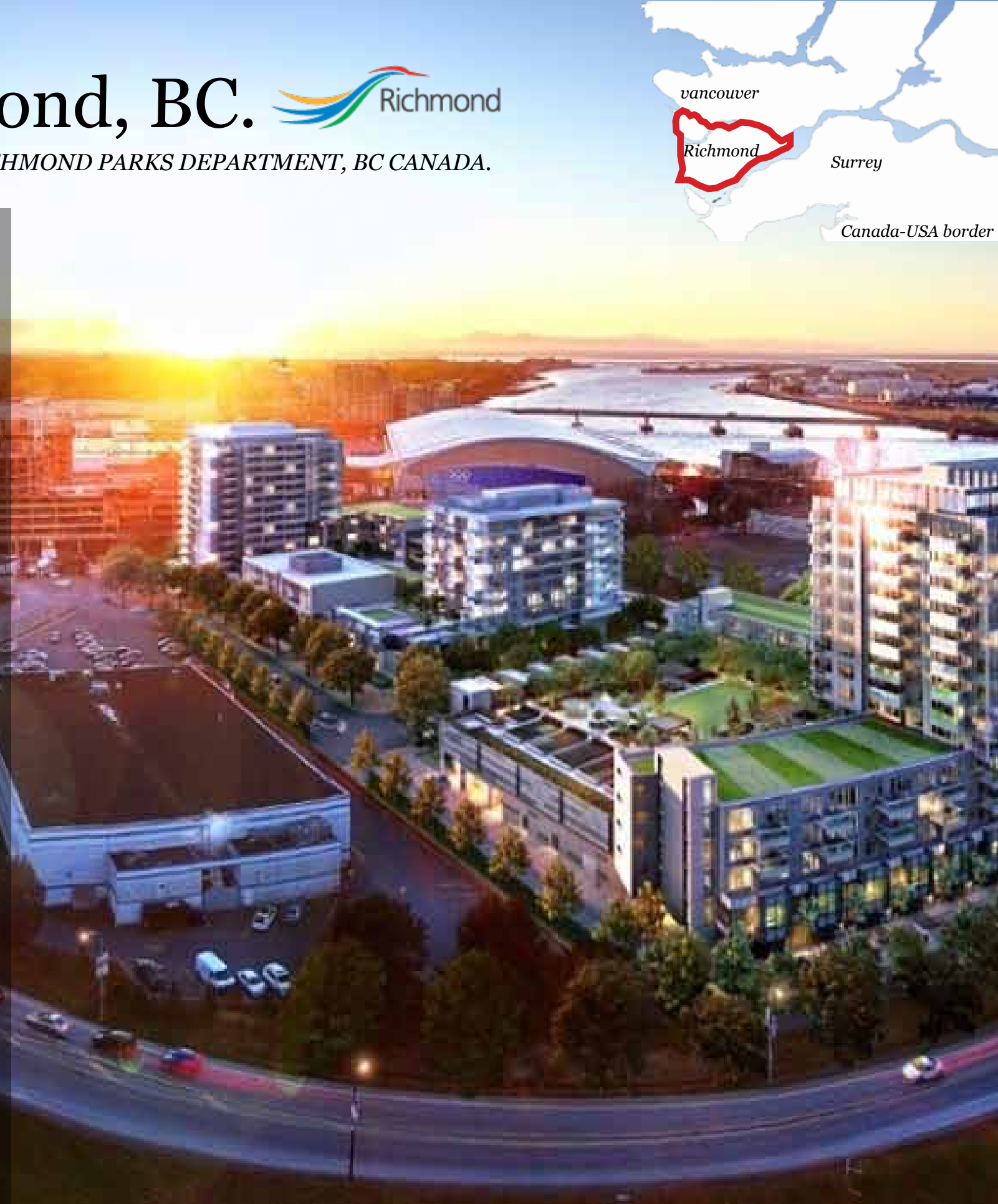
PARK PLANNER FOR THE CITY OF RICHMOND PARKS DEPARTMENT, BC CANADA.



Senior Park Planner from May 2016 - October 2017 overseeing park development & improvements for parks, greenways, streetscape, and dykes in Richmond.

This included reviewing a large proportion of planning applications and servicing agreements within the City Centre and East Richmond (for Landscape Architects submissions), managing capital budgets and funding, presentations & community involvement, preparing RFPs and tendering, and establishing the City's streetscape standards.

One main project was overseeing the CoR submission for the Zhengzhou China 2017 Garden expo which was a cultural exchange between Canada and China, shown earlier in the Portfolio.



Acting as the client and overseeing projects on behalf of the City of Richmond, The following projects were designed by appointed consultants, but significant time spent in the client role:

Lang Park

*Design/Lead Consultant: ISL Engineering
Contractor: UCC Group and City of Richmond Parks Operations.*

\$890,000 Park regeneration to Lang Park in Richmond Centre. This included a new splash park, art-work installation, childrens playarea, new concrete paths/plaza, and planting.

A complex management project, Mark was involved in contractor/consultant appointment, overseeing parks operations implementation, liaising between CoR departments to coordinate facility upgrades, budgets & payment approvals, plumbing permits, and regular site inspections.

Aberdeen Park

*Design/Lead Consultant: DKL
Contractor: Cedar Crest.*

City Centre Park in Richmond Centre. This involved RFP preparation for a consultant, Tender set-up using City of Richmond and contractor appointment, and overseeing construction.

Rivergreen & Dyke

Multiple Planning application reviews/servicing agreement review and project manager for the dyke and park improvement.

Londons Landing

River side park designed by Hapa Landscape Architects. Detailed construction and maintenance inspections and bond release.

Lansdowne Linear Park

Oversaw the Construction of Lansdowne Linear Park undertaking key inspections on behalf of City of Richmond.

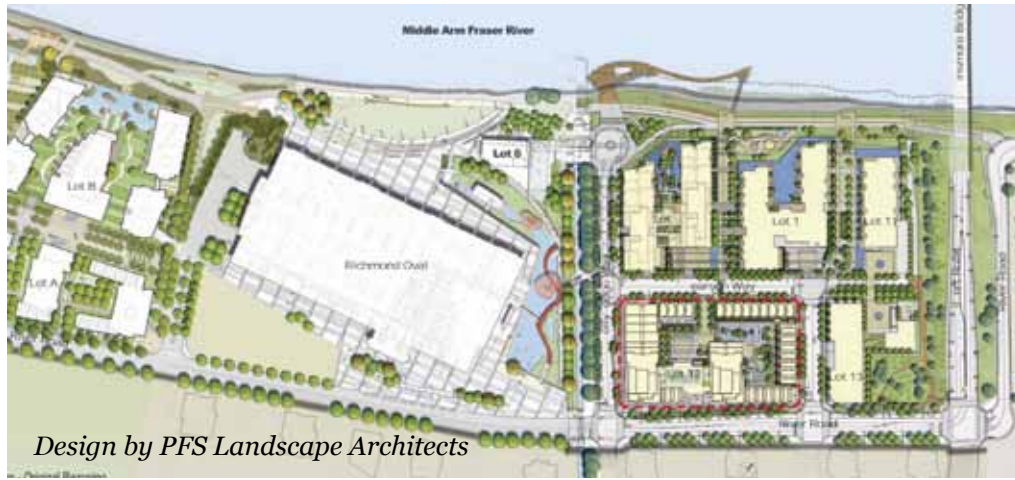
Lang Park



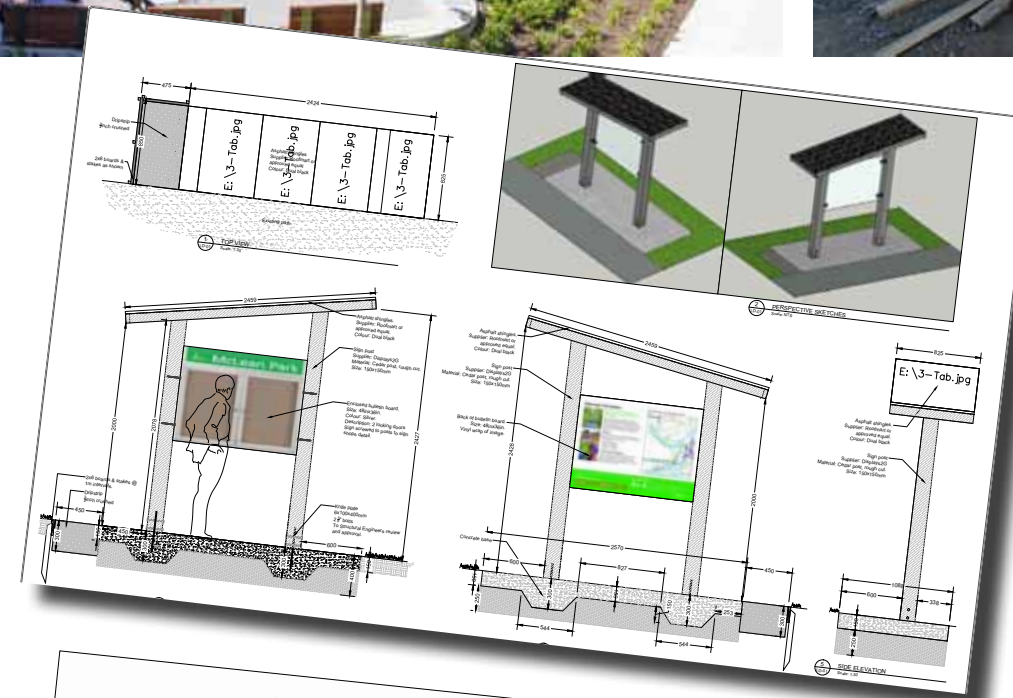
Design by ISL Engineering.



RiverGreen



Design by PFS Landscape Architects



Key projects undertaken by Mark Synan, on behalf of City of Richmond Parks department:

Zhengzhou 2017 International Expo
See page 5-6.

West Cambie Park
Neighbourhood Park initial refurbishment, and public consultation.

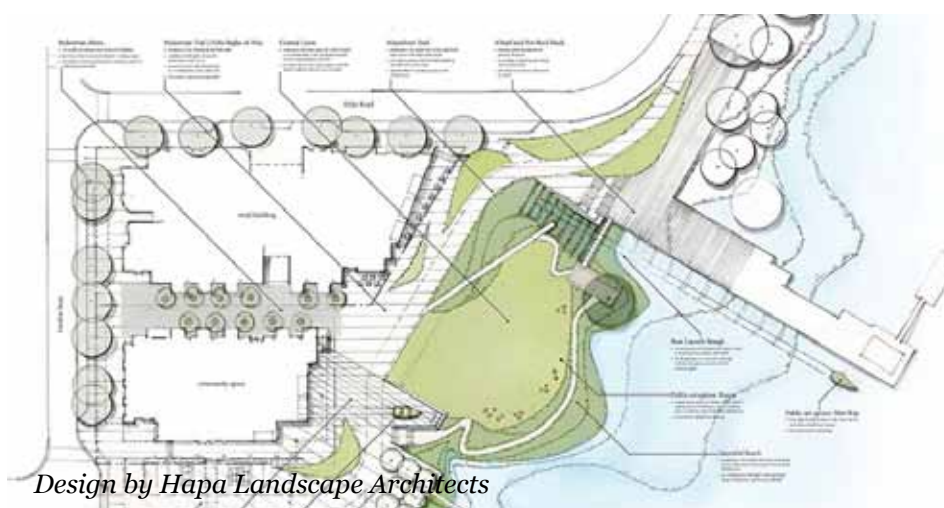
Garden City Park
Play area upgrades and dog park design and installation as Park Planner.

Alexandra and Gilbert Road Greenways
3 Greenways through various neighbourhoods.

Southern Park & Dog Park
Image middle bottom. Dog Park design and project management from inception-substantial completion.

Maclean Park & Park Signage
Image middle left. Design and overseeing implementation of Richmond Parks Department 'Wayfinding strategy'

Londons Landing



Design by Hapa Landscape Architects

King George

CITY OF SURREY CENTRE, SURREY BC .

One of the biggest brownfield developments in Western Canada, the project involved landscape services for a 11 acre downtown redevelopment in Surrey. The project involved multi-use residential and commercial, including Coast Capital bank headquarters, movie theatres, several 35 storey residential towers, restaurants, a mall, and gymnasiums. Landscape Architectural involvement including some of the following:

- 1.6 acre intensive greenroof featuring native wetland habitat
- Upper external floors for phase and a phase B consisting of day care, restaurant, and outdoor seating areas.
- Light rail integration and landscape design
- 2 contemporary plazas, with 12m mosaic Coast Capital logo, seating, recycled decking, and modern lighting.
- Streetscape design for all perimeter and internal roads consisting of street boulevards, seating, cycle networks, and sidewalk coordination.

Project Role

Project Manager/Landscape Architect for a continuous three year period for Phase A and B. This included covering DP and BP submissions for phase A and B, and Tender and construction for phase A.



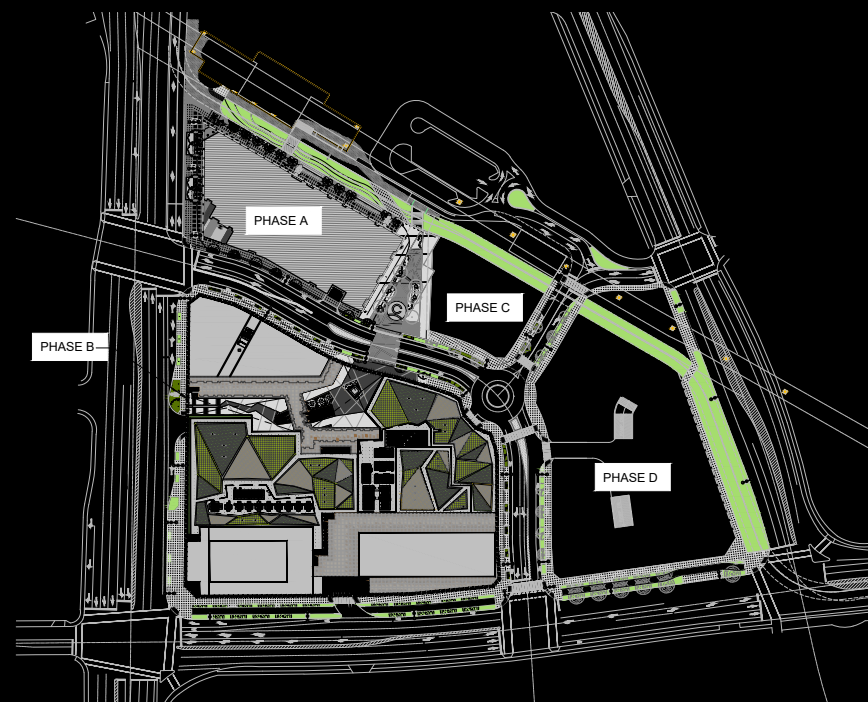
King George Phase A-D



Cross Sections

Future LRT proposed between phase A and King George Skytrain (below).

King George Phase A plaza (right).



Landscape Architects:

van der Zalm Associates (Employee 2010-Present)

Client:

PCI development/MCM Architects



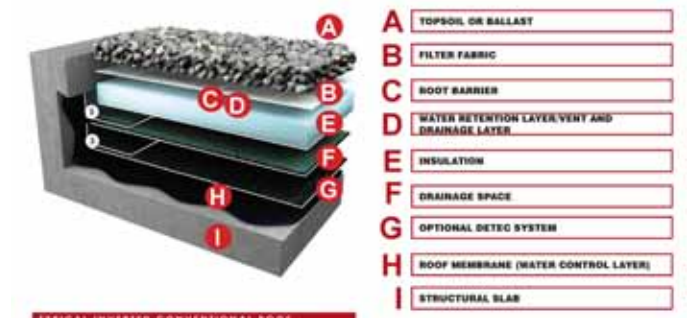
Phase B Concept Plan
Roof garden including native wetland flora from BC



VIEW 1: OVERVIEW FROM NORTHEAST



VIEW 2: OVERVIEW FROM NORTH



TYPICAL INVERTED CONVENTIONAL ROOF



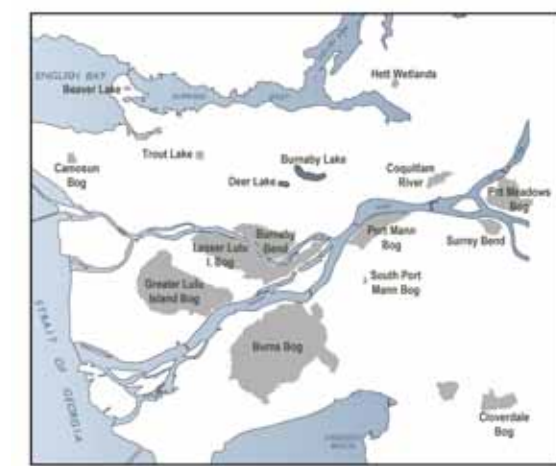
TYPICAL SECTION THROUGH THE ROOF

- WATER DETENTION ON ROOF**
Ball drains will be raised on the roof allowing rainwater to be detained within the rain gardens. If one rain garden reaches capacity, water will discharge to the next rain garden via weirs.
- WATER EVAPORATION**
The water retention system allows evaporation of the water detained on the roof.
- RAIN GARDENS**
Individual rain gardens will be segmented in triangular forms representing the landscape character within Phase A and Phase B areas. This stormwater landscape will mimic semi-natural conditions by allowing stormwater to filter through vegetation and soak into the ground as it slowly moves through the roof garden. Any grey water left over will be discharged to storm.
- SCULPTURAL SCREEN**
An opportunity exists to screen unsightly roof mechanical equipment with a sculptural fence which reflects the landscape pattern and character.

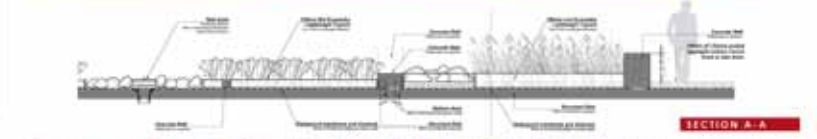
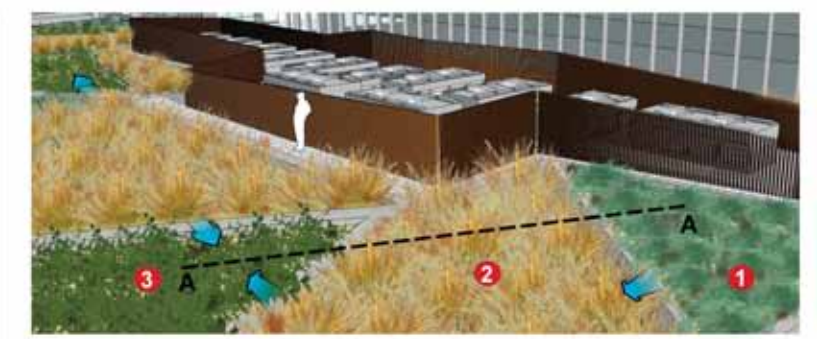


van der Zalm + associates
SEP 10, 2014

STRATEGY FOR GREEN ROOF
DP2013-19 - KING GEORGE PHASE B



WETLAND ECOSYSTEM



van der Zalm + associates
SEP 10, 2014

STRATEGY FOR GREEN ROOF
DP2013-19 - KING GEORGE PHASE B

Southlands

BOUNDARY BAY TSAWWASSEN, DELTA BC .

An application for OCP amendment and rezoning was submitted to The Corporation of Delta (COD) in 2011 by Century Group/Cotter Architects to propose 900 homes on ALR land in Southlands, Tsawwassen.

The proposal consisted of donating 80% (430 acres) of the Land to COD and preserving it for agriculture, & the remaining 20% (107 acres) available for residential use.



Southlands display centre

All features designed by van der Zalm Associates on this page. Building by Cotter Architects.



Landscape Architects:
van der Zalm Associates (Employee 2010-Present)

Client:
Century Group/Patrick Cotter Architects



The Southlands plans promoted a unique concept of urban settlement integrated with various scales of agricultural activities, urban squares with farmers markets, community gardens, urban trails linking to Tsawwassen, and an architectural character reflective of the local rural character. The idea of building on ALR land and on this site was highly controversial & debated heavily since the 1970's

van der Zalm Associates were invited into the team to provide Landscape Architectural Services and to assist in 'selling the idea' to the public and COD.

Services included the design and CA of a display centre within Tsawwassen mall. This consisted of 'edible' gardens, an 'oil collector' parking stall, bioswales and SDS's, and rainwater collectors. Most of the details within the garden reflected the coastal character of Boundary Bay, such as aluminium panelling reflecting reeds, water feature, plant selection and driftwood features.

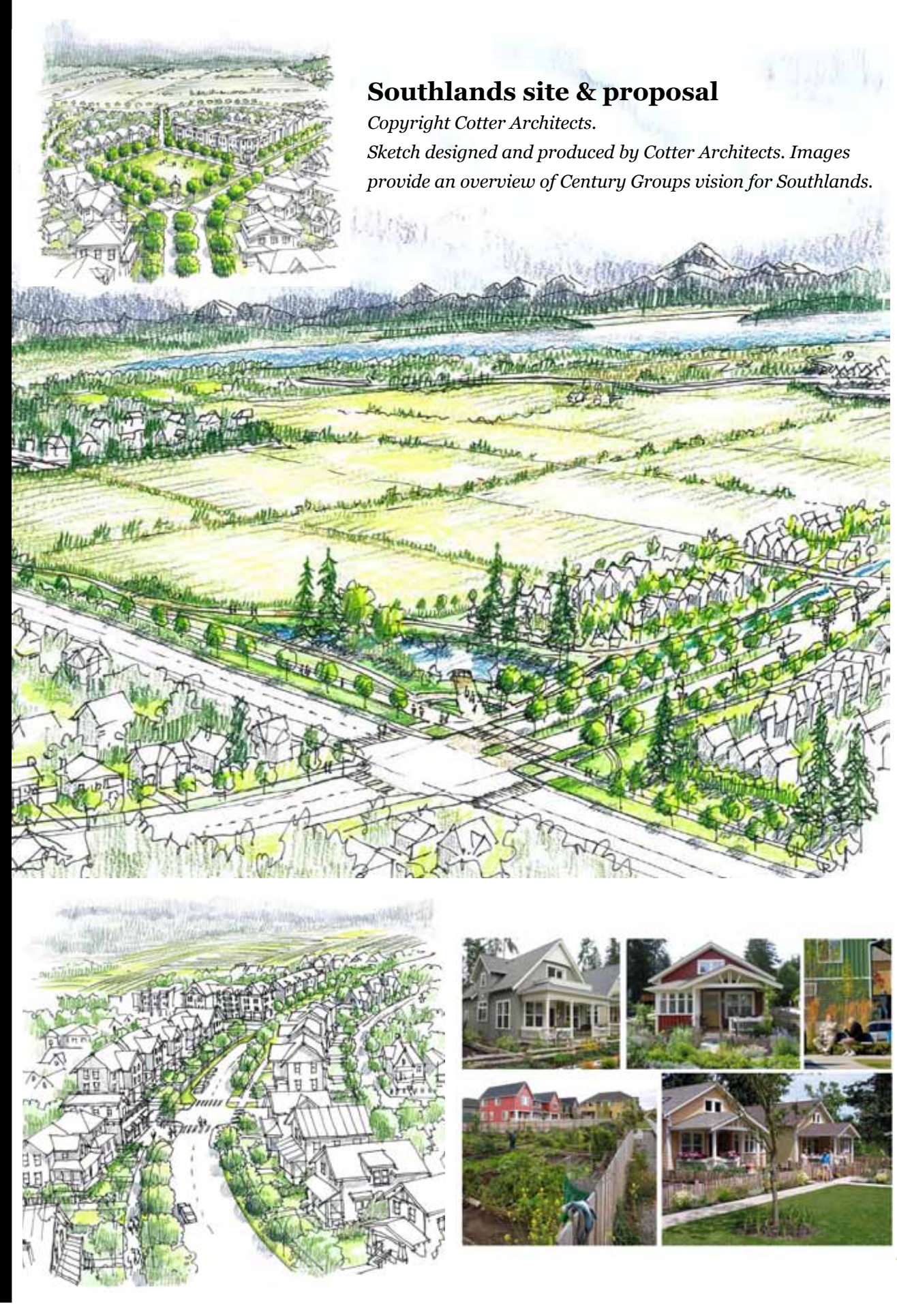
The display centre gained high praise and opened the public's eye. Corporation of Delta approved the Rezoning application in 2013.

Project Milestones:

- Project Inception: 2011
- Rezoning Application: 2013
- DP/BP Application: To be determined
- Construction: 2011-2012 (display home only)

Project Role

Project Manager & Landscape Architect
- Detailed Design, research, and CA for the Display Centre



Southlands site & proposal

Copyright Cotter Architects.

Sketch designed and produced by Cotter Architects. Images provide an overview of Century Groups vision for Southlands.

Edmonds Plaza & Community Pool

7433 EDMONDS STREET, BURNABY.

Edmonds district in Burnaby has been proposed for major restoration between 2009-2015, which included a new business district, 35 million dollar Community centre, Edmonds Street restoration, and the redevelopment of Edmonds Park.

van der Zalm Associates were appointed on 4 major projects for the City of Burnaby during the redevelopment of Edmonds and Edmonds Park.

This included :

- Landscaping to the Edmonds community centre
- A new 100 metre long plaza (\$720,000 contract)
- Large playarea in Edmonds Park (\$450,000 contract)
- Splashpark (\$600,000 contract)

Project Role

Project Manager and Lead Landscape Architect for 4 major projects between 2010-2015 including the Edmonds Plaza, Edmonds Playarea, Edmonds Community Pool landscaping, and Edmonds Splashpark. In summary:

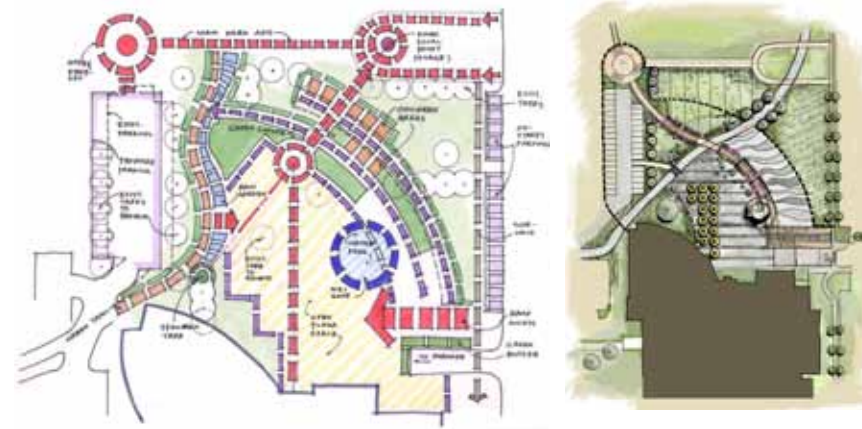
- Preparation of PPA, DP and BP drawings for 3 projects.
- Preparation of Tender Drawings, Specification, and Project Manager for 3 Tenders in 2013, 2014 and 2015.
- Contract Administrator for 3 projects (Edmonds Plaza and playarea) from Pre-start meeting - Final Completion.

Landscape Architects:

van der Zalm Associates (Employee 2010-Present)

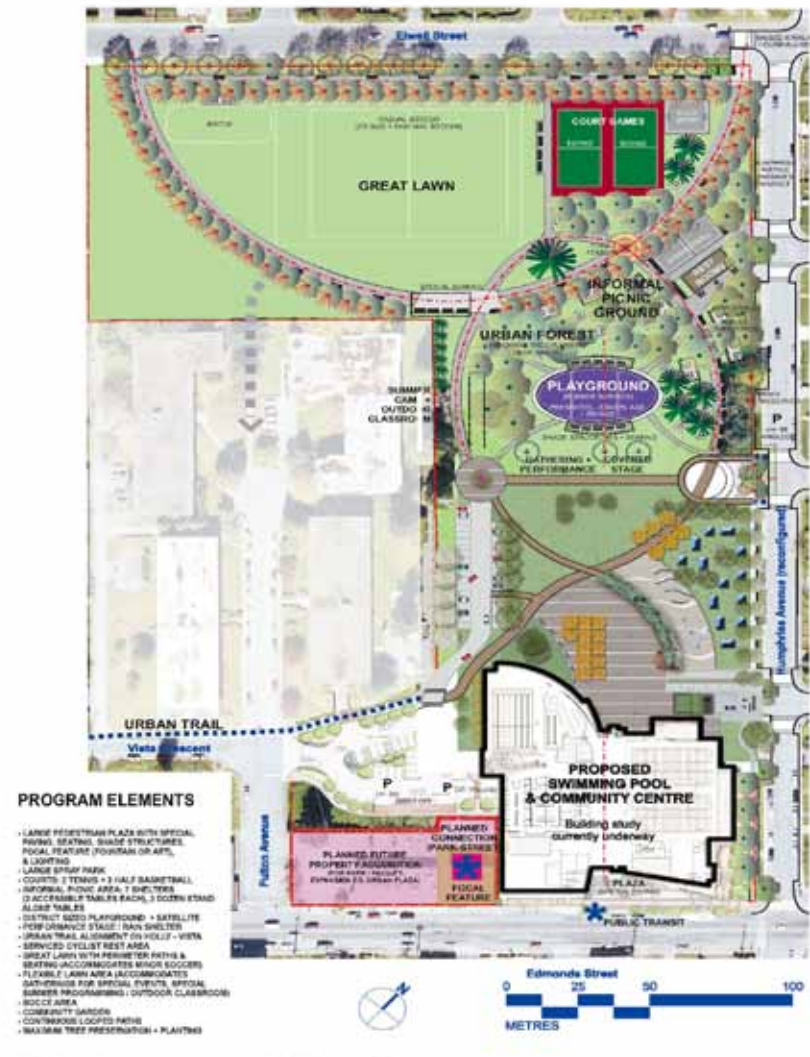
Client:

City of Burnaby & CEI



Edmonds Plaza Concept

Prepared by vdz, 2010-2012



Edmonds Park Concept

Prepared by City of Burnaby and vdz, October 2010





Canada Day opening Ceremony, September



Canada Day opening Ceremony, September



Edmonds Plaza
October 2013-May 2014.



Edmonds Playarea
June-October 2014



Edmonds Street
June 2010-June 2013

Civic Plaza

SURREY CITY CENTRE, SURREY BC .

Landmark 52 storey Tower and plaza integration in the centre of Surrey. The Tower is the largest Tower in Western Canada and a key project in the regeneration of Downtown Surrey.

Landscape involvement included extensive and semi-intensive green roofs, external floor design including a day care playspace, hotel banquet areas, Fitness decks, and design to several other floors. Our scope also included design to the ground floor, which includes an outdoor restaurant, outdoor cafe, bioswales, tree and shrub planting design, and plaza paving integration.

Project Milestones:

- Project Inception: 2011
- Rezoning Application: 2012
- DP/BP Application: 2014
- Construction: 2014-Present

Project Role

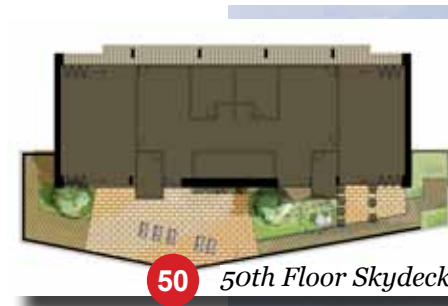
- Project Lead Landscape Architect
- Concept and Detailed Design overseeing an internal team.
- 3 ADP presentations
- DP and BP Application



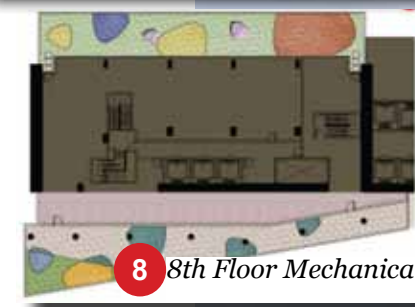
Civic Plaza 3



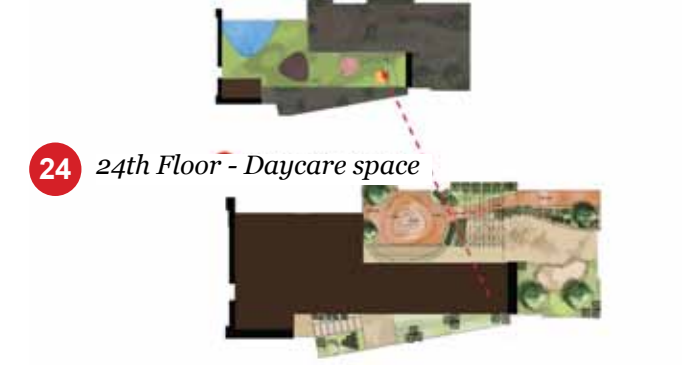
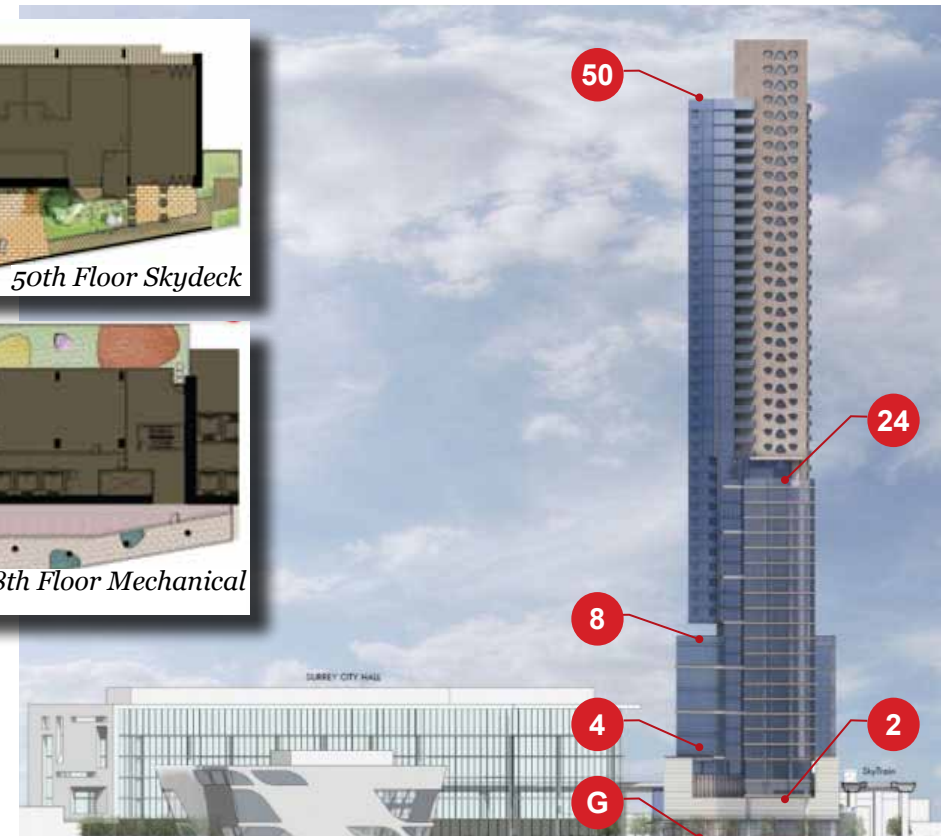
G Groundfloor Plan



50 50th Floor Skydeck



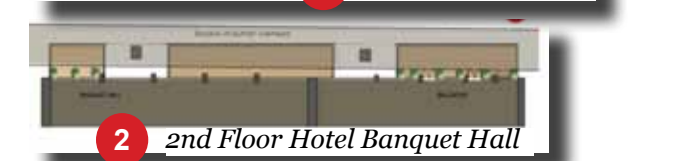
8 8th Floor Mechanical



24 24th Floor - Daycare space



4 4th Floor Health and Fitness



2 2nd Floor Hotel Banquet Hall

Landscape Architects:

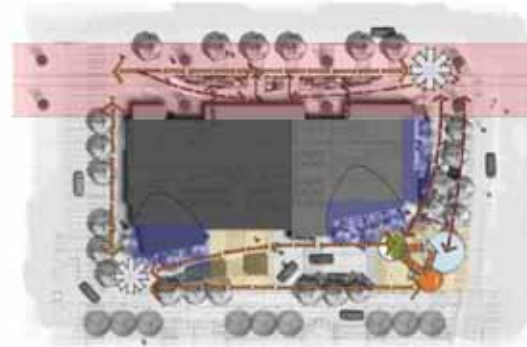
van der Zalm Associates (Employee 2010-Present)

Client:

Century Group, ZGF Cotter Architects

Surrey Centre Mixed-Use Development
Surrey, British Columbia

PLAZA AND SITE LOCATION



CONCEPT SUMMARY

- SUSTAINABILITY: BIOSWALES, GREENROOFS, GREENWALLS, ROOF WATER RECYCLING
- CONNECTIONS: PARKS-GREENSPACES, GREENCORRIDORS, TREES
- MOVEMENT: PROMOTE PEDESTRIAN/CYCLIST MOVEMENT WITHIN SPACE AND ENTRANCE TO PLAZA
- USAGE: CAFE/RETAIL/RESTAURANT/HOTELS - SPACE DESIGNED AROUND SOCIAL GATHERING SPACES, ENTRANCES, PASSIVE SPACE, UNDER SKYTRAIN, PEDESTRIAN MOVEMENT TO PLAZA AND FACILITIES
- COHERENCE: REFLECT BUILDING FORMS WITHIN TOWER AND PLAZA

LANDSCAPE CONCEPT
CONNECTIONS + OPEN SPACES + SITE INFLUENCES



Presentation Centre

- Construction: 2012 (display home only)

Landscape design and signage coordination for the Civic plaza 3 presentation centre. Services included paving, tree and shrub planting, steps, and custom pots.

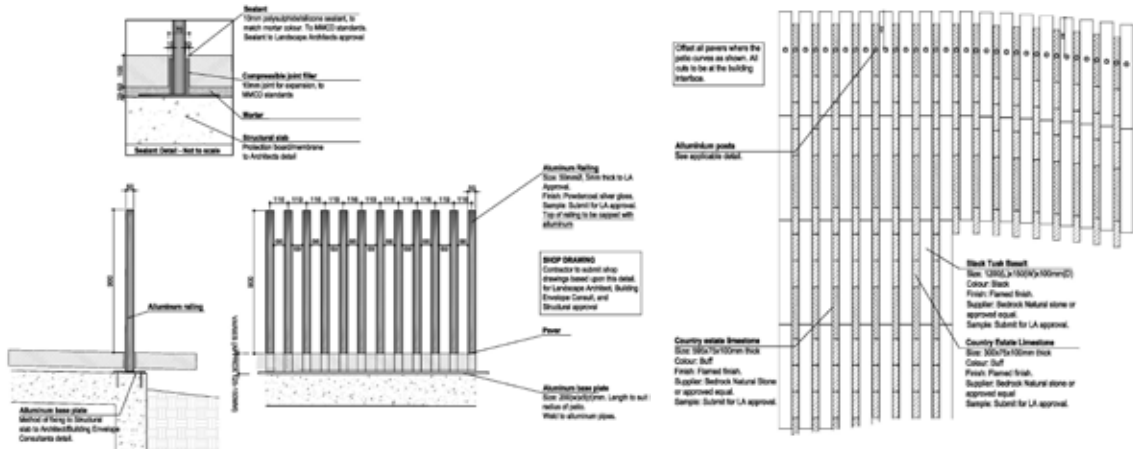
Surrey Centre Mixed-Use Development
Surrey, British Columbia



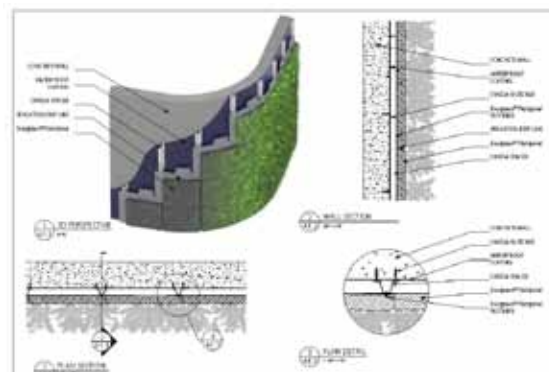
VIEW LOCATIONS

- Viewpoint A - Existing View South East from the Commonsense along 104 Avenue
- Viewpoint B - Existing View South from 104 Avenue towards the site of the future development
- Viewpoint C - Existing View South from 104 Avenue towards Commonsense
- Viewpoint D - Existing view East from University Drive, towards the site
- Viewpoint E - Existing View South West from Skytrain parking lot
- Viewpoint F - Existing View from Central City Skytrain station
- Viewpoint G - Existing view from junction of City Parkway and 103 Avenue
- Viewpoint H - Existing view North East from University Drive/102 Avenue Junction
- Viewpoint I - Existing view North from Centre City Office Tower

EXISTING VIEWS 0 20 40 60 80 100m



Restaurant railing and paving details.



Concept sketches for greenwall.

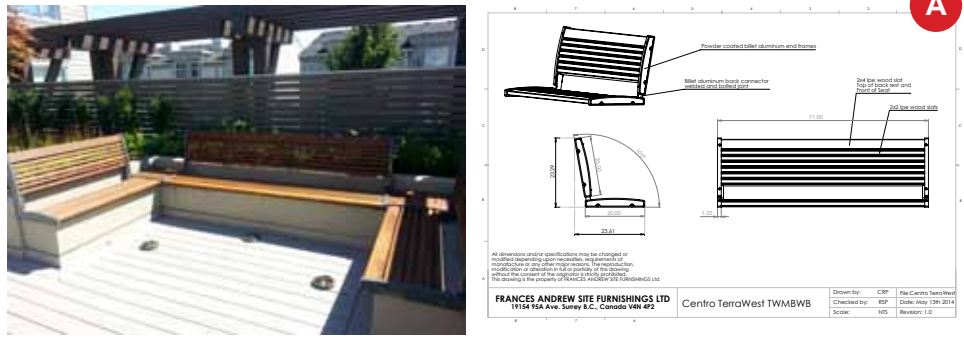
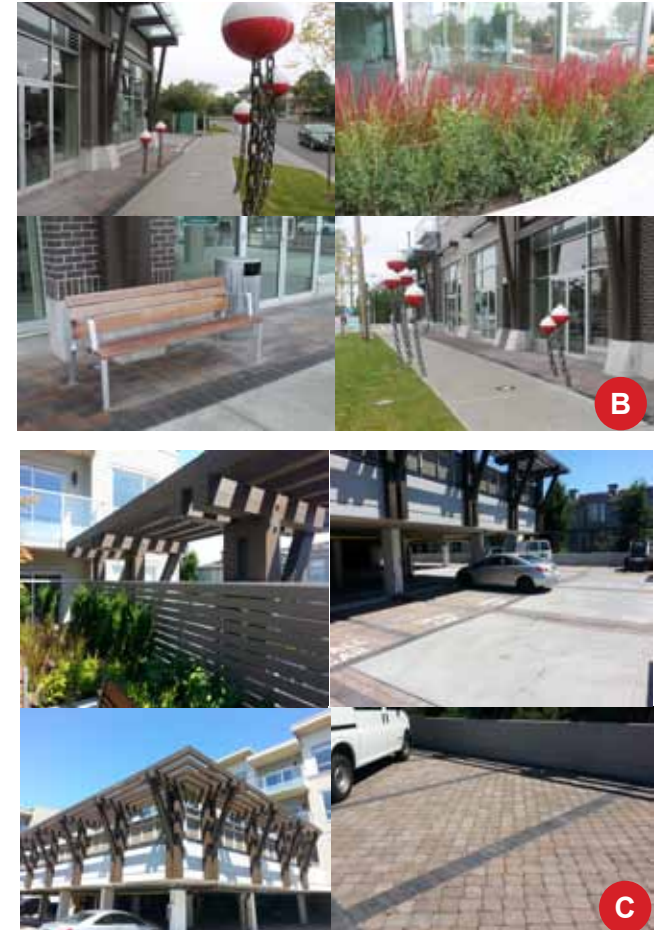
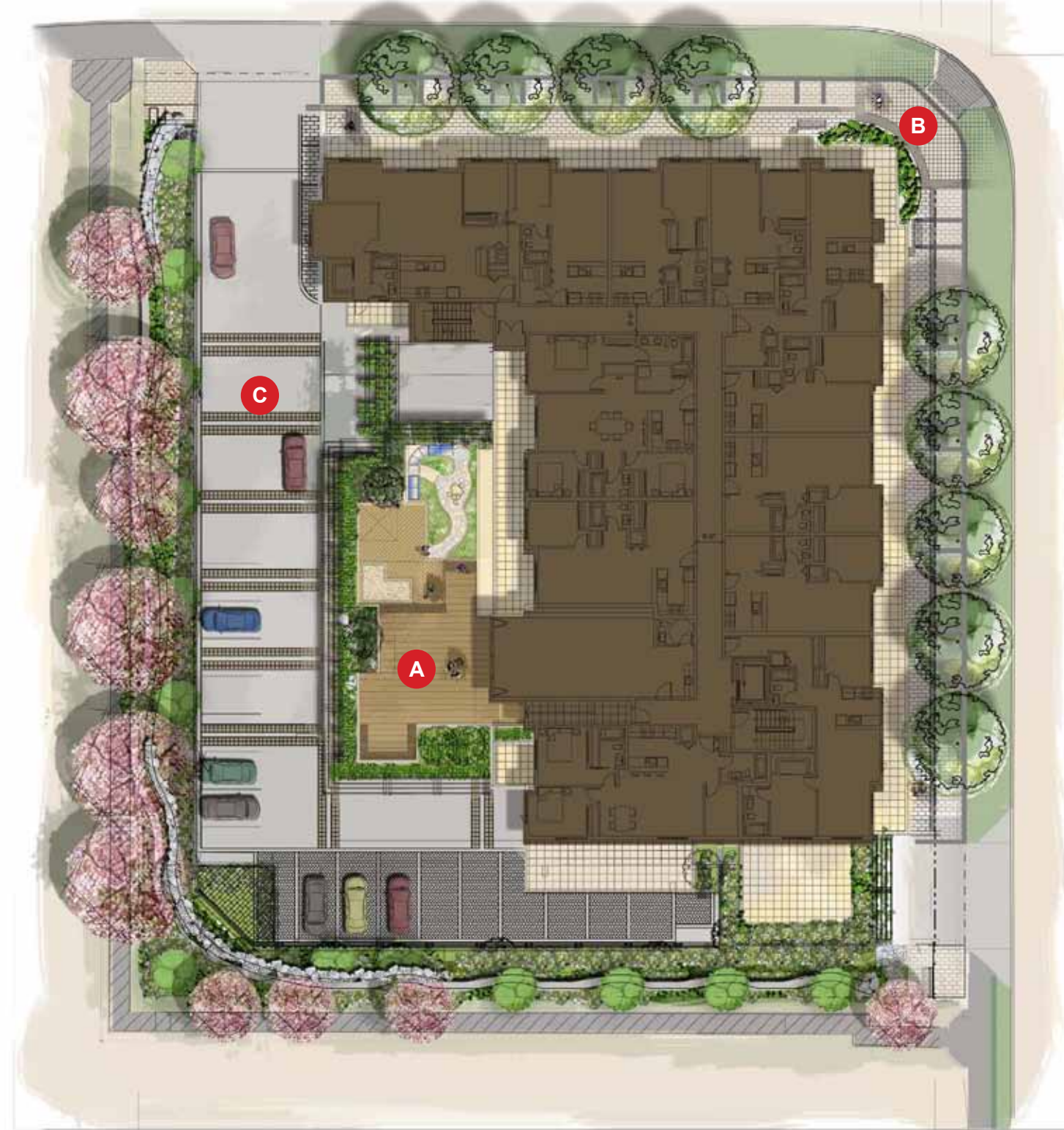
Centro Terrawest

6011-6033 NO.1 ROAD, RICHMOND BC

A mixed use development of commercial shops & apartments, situated in Terra Nova community in Richmond BC.

A highly challenging project during the planning stages, the design involved the inclusion of a variety of custom features that provided the client with a unique character and enjoyable living community.

Landscape design included an outdoor amenity area, parkade paving design, streetscape design to the commercial frontage, and planting design along the Southern and West Boundary to screen a 12m parkade wall.



Key project highlights

- Custom benches and decking design
- Custom playarea and playhouse.
- Trellis/ pergola
- Variety of modern unit paved surfaces and selection of appropriate street furniture
- Plant palette.

Project Milestones:

- Project Inception: 2011
- Rezoning/DP/BP Application: 2012
- Construction: 2013-2014

Project Role

- Project Lead Landscape Architect
- Detailed Design and drawing prep.
 - Planning submissions, ADP presentation, presentation to planning committee.

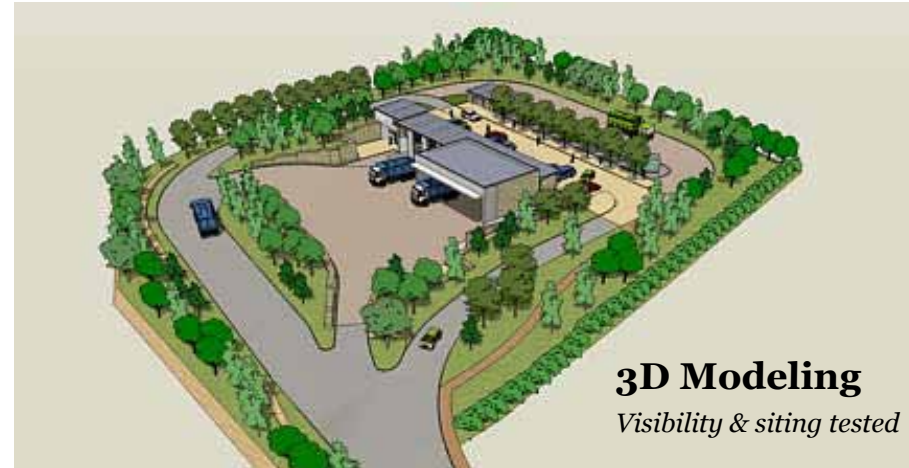
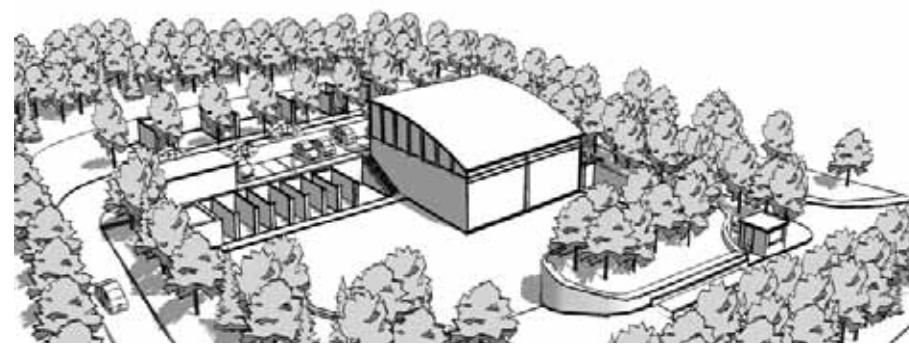
Landscape Architects:
van der Zalm Associates (Employee 2010-Present)

Client:
Terrawest/Patrick Cotter Architects

Swanage RC

VICTORIA AVENUE, SWANAGE, DORSET.

Award winning recycling centre within the Dorset AONB on the outskirts of Swanage. The facility was proposed by DWP as part of the Joint Municipal Waste Management strategy in 2008/2009. Nicholas Pearson Associates were appointed to project manage the development, design, integrate into the AONB, and prepare an Environmental Impact Assessment.



Sometimes the unexpected projects turn out to be the most challenging and rewarding. The site location was proposed by Dorset and Poole Waste Local Plan in 2006, our role was to integrate the site into a highly valued national and local protected landscape & achieve planning permission. Not an easy task to achieve. Swanage recycling centre was awarded a RICs in 2013 following opening in 2012.

Key project highlights

Entire layout & design masterplanned to 'fit' into the rural and rolling landscape & hide unsightly elements of a recycling facility. In summary:

- Industrial/contemporary style building & walling using gabions & local purbeck free stone.
- Curved roof reflecting local landform (from a distance the roof compliments the rolling fields)
- Layout & mounding/berms designed to reflect local landform whilst hiding moving HRVs and asphalt.
- Permeable paving incorporated.
- Native planting selected to mimic surrounding agricultural land & promote biodiversity.

The EIA, design, and implementation was a resounding success. The facility neatly sits in the AONB, barely visible from overlooking housing, and has provide Swanage with a 1st class modern recycling facility.

Project Role

- Project Manager/Lead Landscape Architect
- Managed Screening & Scoping Report
 - Managed/coordinated & prepared EIA
 - Managed masterplan, full detailed design and drawing prep, & Design Access statement.
 - Planning application approved



DORSET AONB

The Dorset AONB is blessed with some of the most striking sequences of beautiful countryside in the UK.

Swanage is situated within the 'Corfe Valley' Landscape Character type and overlooked by the purbeck ridge.

Some photos (above and below) provide a brief overview of the general character of the area.



Project Milestones:

Project Inception: 2008, Planning Application: 2009, Construction: 2010-2012

Swanage (above)

The site is barely visible from the surrounding landscape and neatly sits with the rolling landform



Landscape Architects:

Nicholas Pearson Associates (Employee 2010-Pres-

Client:

Dorset County Council/Dorset Waste Partnership

Riverport flats

14000 RIVERPORT WAY, RICHMOND BC.

Riverport flats is a riverfront rental home community which sits on the lower branch of the river Fraser in Richmond BC, close to the river estuary & Pacific Ocean. Van der Zalm Associates were appointed to work on the 5th phase of development, which consisted of work to Steveston dyke and riverfront walkway, a 660 square metre roof garden, and complete landscaping along Steveston Highway, Riverport Way, and building entries.

Project Role

Project Lead Landscape Architect

- Rezoning/DP/BP/ servicing agreement submissions
- Full design, sketches, client presentation
- ADP presentation & approval
- Contract Administration, progress/site meetings, occupancy/bonding release meetings



Riverfront trail & Dyke, & street frontages

Landscape design included finishing the East Richmond trail (ROW) & Steveston road, located along the rivers edge. Design was undertaken in strict coordination with covenant restrictions in consultation with MFLNRO. The trail consisted of meandering concrete bands with asphalt, bordered by sweeps of ornamental grasses and salt tolerant shrubs. Other features included 'maritime' details such as tugboat sculpture, mooring bollards, and decking. Along Riverport Way a 12ft steel trellis was designed to hide the lower parking level, granite blocks & planting, natural stone paved entries, and vinyl wrapped hydro kiosks to provide a high quality finish to the building frontage.

What can be appreciated from these photographs are the sounds, smells, sunsets, light, the sea air rustling through the sweeps of grasses, and the passing of huge ships.

Greenroof.

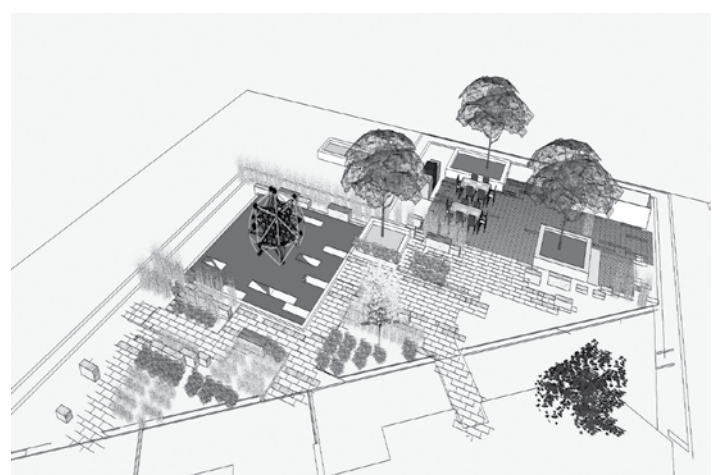
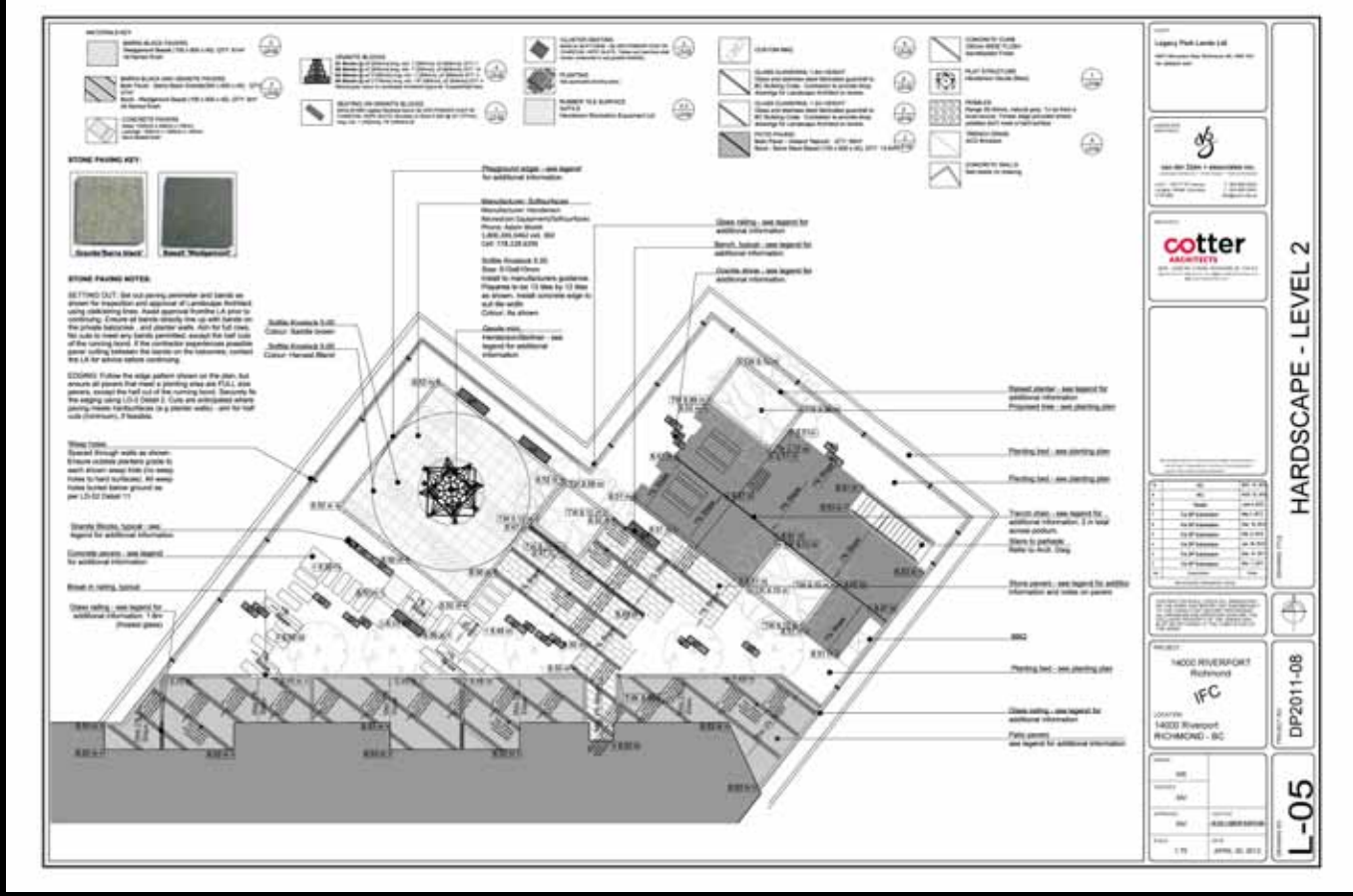
The Frazer lowland and coastal mountains were sculpted and formed by river erosion and glacial movement, creating the inspiring landscape. To celebrate this beautiful part of the word and act as a tool to aid design, the entire greenroof form, paving pattern, furniture positions and style, planting is based around the appearance of a dragged glacier. As a glacier moves it shapes, drags, and inscribes in the bedrock patterns and landform.

Features of the greenroof include:

- Bohemian basalt and black granite pavers. The layout lines up with patio pavers, granite blocks, planting lines, and the layout along Riverport way
- Granite blocks
- 'Geode' Childrens Climbing frame.
- Custom picnic benches to match the stone paver form
- Custom benchtops mounted to some granite blocks
- Green screen
- Slot drains

Project Milestones:

- Project Inception: 2011
- Rezoning/DP/BP Application: 2012
- Construction: 2012-2013



Transport

DESIGN & ASSESSMENTS IN ENGLAND &
WALES

There are 245,068 miles of roads, 10,072 miles of railway lines in the UK, as well as various forms of rights of ways (ROWs) throughout the country. That's the equivalent of traveling around the circumference of the earth over 10 times!

Transport networks have a huge land coverage in just the UK alone and a significant mark on the landscape. With the political and economic pressure, transport and landscape are often in conflict, with the former generally taking priority. The careful integration of transport networks often within nationally valued land, often proves a huge challenge. Over a 7 year period, I was fortunate to work on a vast variety of transport projects, some of which are illustrated on this page.

Highway Assessments:

- Preparation of CAR, COR, SEA Assessments
- Preparation DMRB Road Assessments
- EIA & LVIA for park and rides, rapid transit routes, & ROWs

Design Work:

- Advice to mitigate adverse impacts on the landscape character and sensitive visual receptors. Advice centred around road improvement schemes, such as road re-alignment, signage and street furniture, and bridges.
- Transit & Park and Ride Masterplanning and Landscaping
- Highway Maintenance depots planting & landscaping.
- ROW layout and landscape design.

Management Plans:

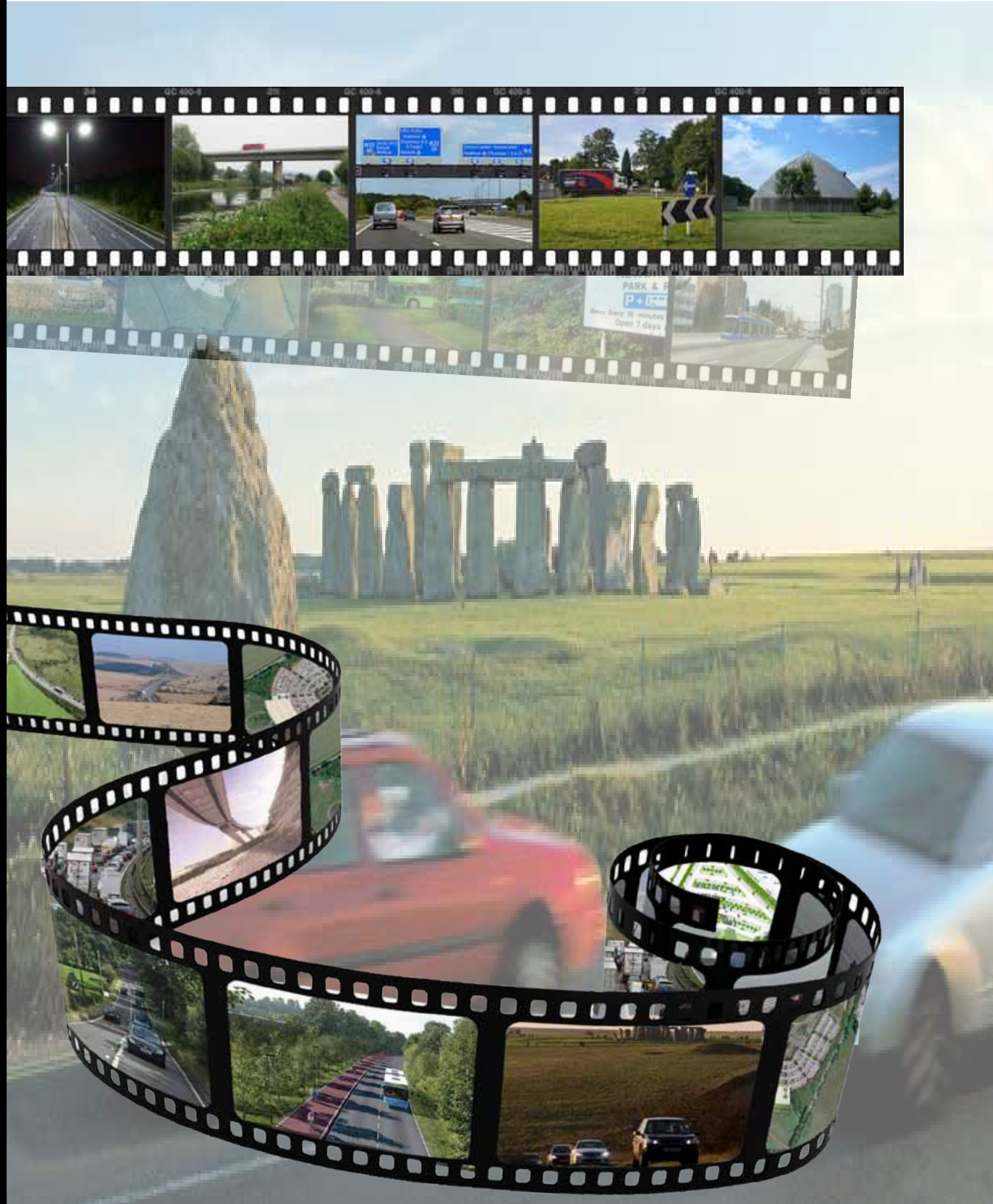
- Series of landscape Maintenance/Management Plans for the Highway Soft Estate on nationally designated land.

Landscape Architects:

InterRoute & Nicholas Pearson Associates (Employee 2005-2009), Soltysbrewster Consulting (Employee 2002-2004)

Client:

Typically Highways Agency & InterRoute



A303 Stonehenge-Countess Roundabout,
Near Amesbury-England
Management plan for the Highways softestate.

Penarth Headland Link
Penarth/Cardiff-Wales
Assisted on an Environmental statement for a raised ROW/bridge around a coastal headland

A30 Temple tor-Higher Carblake
Cornwall-England
DMRB road assessment for new road widening within an AONB

Bath Rapid Transit Route & Bath Park and Ride Expansions (4)
Bath-England
Planning application, design & environmental Statement for new transit corridor in Bath World Heritage site

M4 + M5 Assessments (20+),
England
Highway Agency CAR assessments for bridges and structures along corridor.

Batheastern Park and Ride,
Bath-England
Environmental statement, planning application & design.

Salisbury Park and Ride (opposite),
Salisbury-England
Environmental statement, planning application & design.

A36/Whinwhistle Roundabout,
New Forest-England
DMRB road assessment for a new roundabout within New Forest National Park
Slimbridge Salt barn,
Slimbridge-England
Landscape masterplan & CA for Highways Agency depot.

Century Village

1670 56TH STREET, TSAWWASSEN BC .

Restoration/Installation of 5 waterfeatures & planters within an existing residential complex. All the amenities were built in 1990's and in rapid deterioration by either leaking to the parkade below, non operational, or too expensive to maintain.

Work involved installing a range of basalt water falls, stone column gurglers, and planting design within the original footprint of the derelict waterfeatures. Work was completed in October 2011 at a cost of \$120,000.



Similar projects:

Plymouth Attenuation Pond Plymouth-England

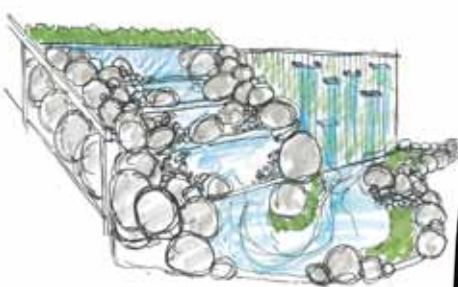
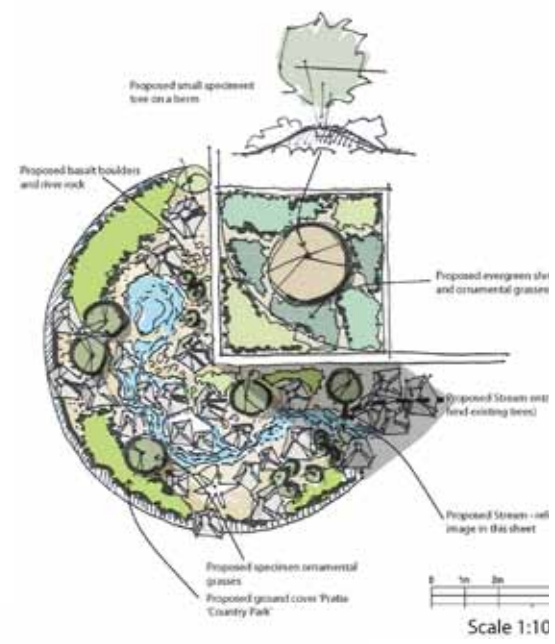
Design & Contract Administration for Attenuation pond restoration, bioengineering, stone wall restoration, and landscaping completed in 2007.



Before
Pre- restoration

Before
Pre- restoration

After
Post restoration to the pond, embankment and general landscaping



Landscape Architects:
van der Zalm Associates (Employee 2010-Present)

Client:
Century Group

Salisbury Park & Ride

A30, SALISBURY, ENGLAND.

Salisbury Park and ride (known locally as Petersfinger P&R) was the 4th and final P&R completed as part of the Salisbury District Transport Strategy, at a value of £2,700,000.

The site was situated within locally protected land & close to the River Avon SAC, which prompted the requirement for an Environmental Impact Assessment & a sensitive parking design and landscaping.

Nicholas Pearson Associate(Landscape) & Mouchel Parkman (Civil) were appointed to masterplan the park and ride and undertake the appropriate environmental assessments (Ecological/Landscape Character & Visual/Archeological/Hydrological assessments).

The masterplan was based around reflecting natural land contours, parking & pedestrian safety with separate paths, CCTV, and bus shelter/security building carefully positioned to allow views to anywhere within the car park. Over 50% of the surfacing was permeable (geogrids) & bioswales incorporated to reduce surface water. Other features included locally sourced purbeck stone walls, stone sett rumble strips, extensive greenroofs, coloured tarmac, & predominantly native trees/plants.



Extensive roof

Selection of sedums



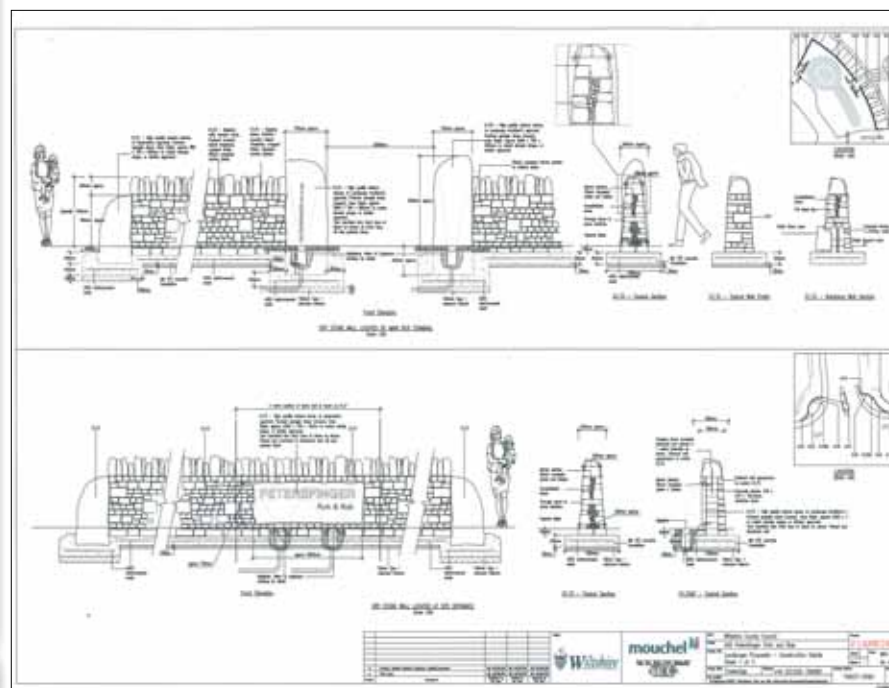
Permeable paving & landscaping

2008



40 design solutions
the proposed scheme

- Proposed trees
- Proposed amenity grass
- Proposed shrub mix
- Proposed hedging/existing hedging strengthened
- Existing grassland retained
- Existing trees retained
- Proposed amenity building with greenroof and bus shelter
- Proposed attenuation pond, swale & reed planting
- Boundaries - walls, gates, fences
- Car Parking Bays - proprietary plastic grate system infilled with gravel
- Footpaths - resin bound corn flint gravel 2-5mm
- Road Surface - tarmac surface
- Paving around amenity building - Reconstituted granite setts



PETERSFINGER PARK & RIDE

Design Statement

Northgate

56TH STREET, TSAWWASSEN BC.

Northgate is a mixed use development consisting of a commercial office building, 4 storey seniors residence, 24 townhomes, external courtyards & outdoor amenities, and landscaped gardens.



Summary of the key landscape features:

- Seniors building rooftop allotment gardens
- Commercial building landscaping, including custom curved benches and granite cobbled surfacing.
- Courtyard design
 - Childrens Playarea
 - Central Basalt Column water feature.
 - Senior garden and walking loop
 - Extensive landscaping, including granite stepping stones

Project Milestones:

- Project Inception: 2011
- Rezoning/DP/BP Application: 2011-2013
- Tender: 2014
- Construction: 2014-Present

Project Role

- Project Lead Landscape Architect (2011-2015)
- Detailed Design and drawing prep.
- Planning submissions, ADP presentations (2 in total)
- Lead Landscape Architect during Tender & Construction

Northgate Tsawwassen Delta, British Columbia



- OFFICE PARKING + BIOWALES
- BUFFER PLANTING AND LOW WALL
Seed mature trees and shrub planting proposed to reduce visibility moving traffic along 56th street and "soften" street front.
- GREENROOF + WATER FEATURE
Small stream using basalt boulders, slate, and ornamental grasses.
- BIOWALEN
Onsite greywater from buildings/roads discharged and recycled.
- COMMERCIAL AREA
Outdoor seating area and entrance to commercial building.
- URBAN AGRICULTURE AREA
Opportunities for onsite residents to grow produce and become actively involved with the environment. Plots are also to be located on the Senior residence roof.
- PLAYAREA (2-5 YEARS) AND SEATING AREA
- CENTRAL COURTYARD
BIC area, seating, gathering space.
- EXISTING TREES RETAINED
- PRIVATE FRONT GARDENS
- SEMI-PRIVATE LAWN AND PROPOSED MATURE TREES
Area for informal recreation.

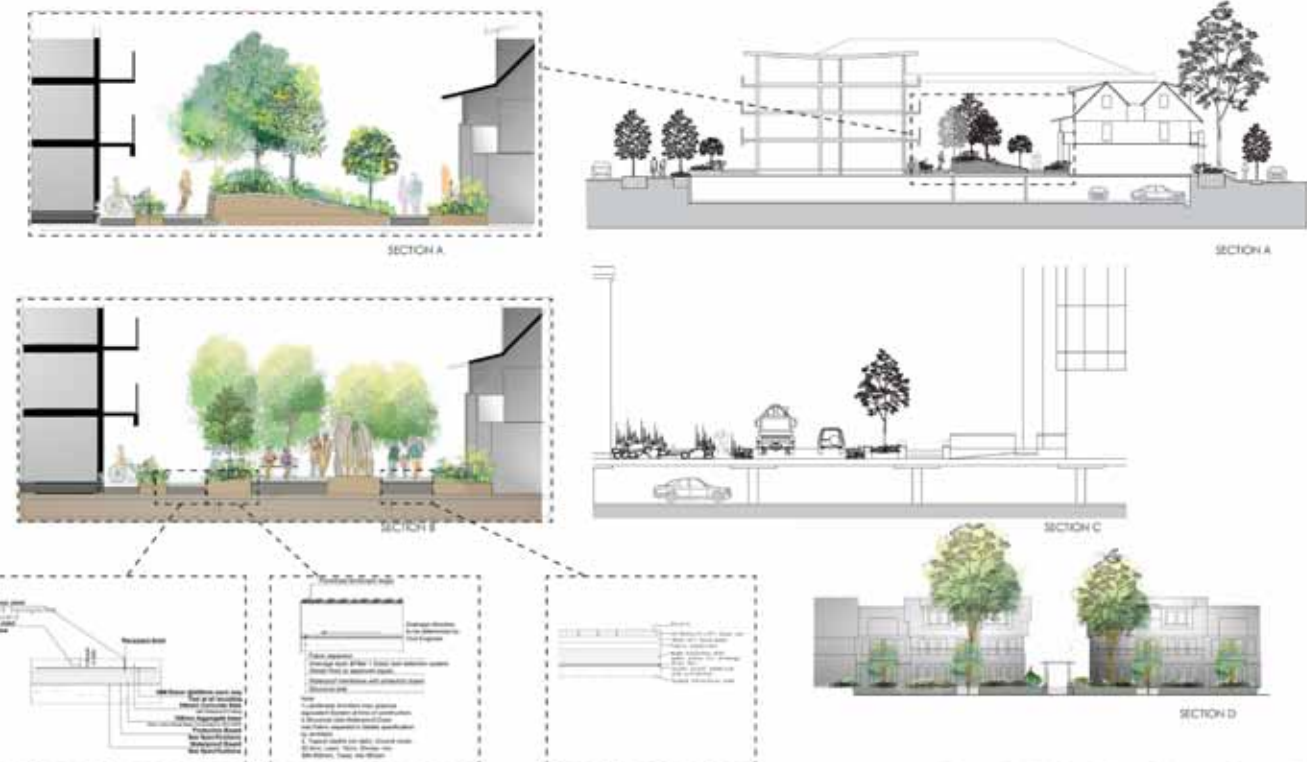


LANDSCAPE MASTERPLAN

ADP - JANUARY 25TH 2012



PETER J DANDYK ARCHITECT INC.



CROSS SECTIONS

RESPONSE TO ADP COMMENTS ON JANUARY 25TH 2012.



PETER J DANDYK ARCHITECT INC.



Landscape Architects:

van der Zalm Associates (Employee 2010-Present)

Client:

Century Group/Peter Dandyk Architects

Appendices

A RANGE OF LANDSCAPE PROJECTS OF WORTHY MENTION:

West of Bath Housing Strategy, Bath-England

Housing strategy and assessment.

Nicklaus Coastal Village Llanelli-Wales

Seafront residential development + golf course

Llanelli Visitor Centre Llanelli-Wales

Visitor centre + seafront national trail.

Todd Jacobs Residence, Surrey, Canada

Residential garden

Electricity Club, Cardiff-Wales.

Carpark, social club, Housing development

Cardiff City Football Stadium, Cardiff-Wales.

Football stadium + landscape plaza

Hillside, Vancouver-Canada

Low income housing courtyard restoration.

Frome Hospital, Frome-England

Hospital grounds, car parking.

Cranes Farm LVIA, Berkshire-England

Landscape Assessment + expert witness for a barn conversion planning refusal.

Bath Rapid Transit Route EIA Bath-England

Transit bus route

Bath Park and Rides EIA, Bath-England

Expansion of 4 park and rides + new park and ride within an AONB & World Heritage site

Brockworth, Gloucester-England

Large multi-use masterplan

New Westminster Artificial Sports field, New Westminster-Canada

Artificial football/baseball field

Harrison Hot Springs Hotel, Harrison Lake, Canada

Hotel + intensive greenroof landscaping.

Rush Hill Bath-England

Housing estate + amenity space/playarea

Francis Road, Richmond- Canada

Apartment buildings + intensive greenroof/podium

The Cottages, Cultus Lake- Canada

Lakeside wooded cottages + landscaping

Alexandra Road, Richmond- Canada

Apartment buildings + greenway

Kinsmen Care Facility, Surrey- Canada

Elderly care facility + gardens

Haisla, Kitimat- Canada

Mixed use development (restaurants, apartments, offices) on native indian reserve

Freshford Mill, Bath-England

Restoration of a 18th century mill to apartments

Hanham Housing, Bristol-England.

Residential project + landscape assessment.





*Quattro Phase 4, Surrey-Canada
Apartments + greenroof development*



*McConnell Street Terrace-BC
Townhome development*



*Todd Simmons Residence, White Rock-Canada
Residential garden*

*Riverbrook, Kitimat- Canada
Apartment buildings + greenway within
northern BC*

*Central Park, Abbotsford-Canada
Housing estate + landscaping*

*Weaving Shed Restaurant, Bradford
upon Avon, England
Outdoor waterfront restaurant*

*Michaud Crescent, Langley-Canada
Apartment buildings + greenroof*

*Gyfartha Retail Park Merthyr-Wales
Retail park masterplan*

*Millbay, Plymouth-England
Mixed use residential development*

*Fortescue fields, Norton St Phillip-England
Mixed use Housing estate + streetscape*

*Gateway, Surrey-Canada
Mixed use Office/commercial development*

*Parallel Road (Phase A-C) Abbotsford-BC
Apartments + amenity space*

*Basseleg Housing, Newport, Wales
Small housing scheme + planting design*

*Dorchester Recycling Centres
Dorchester-England
5 Recycling centres*

*Fisher Residence, Surrey-Canada
Residential garden*

*Alfred and Defra Funk Residence,
Eagle Mountain-Canada
Residential garden*

Kush Panatch Residence
Richmond-Canada.
Residential garden*

Gyfartha Retail Park



Millbay



Gateway



Fortescue



