

Site Environmental Consultants

Hugh Forsyth | Registered Landscape Architect





Landscape architecture for successful environments

Good landscape architecture balances the existing environment with practical commercial and social outcomes. Ecology and sustainable design principles, and a clear understanding of what is possible, influence our approach to design and assessment. This understanding includes those stakeholders who may affect legitimately affect regional or district approval. Projects may succeed or fail at this juncture and too often more is promised than can be delivered. Our track record includes successful project completion in Auckland, Coromandel, Waikato, Manawatu, and Otago.

New Zealand projects include:

- Commercial and urban development
- Coastal and rural residential subdivision
- Extractive industry and transmission infrastructure
- High country irriga
- Regional and District landscape assessments
- Regional and district consents
- District plan appeals and review
- Provision of expert evidence and support at H Appeal

What to expect:

- Resilient landscape for commercial and residential development
- Expert advice and knowledge network
- Excellent value for money, personal service, and timeliness
- Performance based fees
- No unexpected surprises

'I am impressed by the results of the survey and appreciate the effort and professionalism you applied to it.'

*Dominic McCarthy, Manager Coastal Planning
Auckland Council*

'Hugh quickly saw the potential of integrating the history and plantings at Janefield into our subdivision proposal. He came up with a design that was not only functional but also, we hope, will make it a place where people will want to live.'

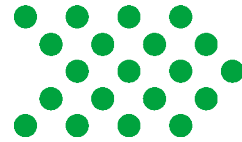
*Karen Trebilcock
Client Group*

Thanks for your work, above and beyond as always.'

*Russell Frew
Client*

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Land Development



Carey's Bay Lifestyle.

The removal of 5ha of mature pine forest and its replacement with 28,000 native shrubs (3.5ha) and an increase in pasture area is proposed as part of a 5 lot off-grid 14ha lifestyle development. The planning issues are a non-complying level of residential density in a rural area vs. mitigation that will bring about a broad scale landscape change to native forest that supports an operative district plan landscape overlay. The pine trees are prominent within Otago Harbour and their removal is also a potential factor in the maintenance of rural amenity sought by the recently notified Second Generation Dunedin District Plan.

Legend

- indigenous vegetation
- native infill planting - tree and shrub species
- eucalyptus blocks to be retained for 5 years
- shelter belts (pine) - retain and thin
- pine blocks to be retained for 5 years
- scrubland - remove gorse and douglas fir
- domestic trees and shrubs - retain
- pasture areas - retain and extend where rural open space is provided
- existing quarry - drain and maintain in pasture
- stone wall - protect and retain
- 5m access road - align between existing avenue trees - refer survey plan
- 3.5m house access roads - refer survey
- building platforms - 30m diameter
- overhead power



Hearing decision pending

Client: Private residential owner (10 years)

Project owner and landscape architect: Site Environmental Consultants

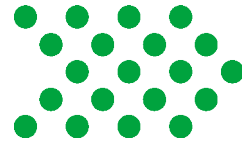
Planner: Sweep Consultants

Surveyor: Craig Horne Surveyors

Geotech: Geosolve

Land Development

Janefield



Legend

- A. 10m boundary set back
- B. 13m wide 'lane' - 1 way in two directions, two 2m paths, one 1.8m tree strip, 2.6m wide isle row parking on one side of street.
- C. Local Road - 16m boundary, 2m paths on both sides, one way 3.7m wide carriageways on both sides, 2.6m isle parking on one side, two metre tree strip
- D. Local Road - 18m boundary, 1.8m path + 800mm grass strip + 2.6m wide isle parking on east side, 6.5m carriageway, 2m grass swale ditch, 1.5m tree strip, 2.9m wide path and cycleway.
- E. One way 4.5m exit lane.



Trees @ 10m centres



Small Lots - 600m² upwards



Medium Lots - 750m²



Existing trees and hedgerow that meet protection conditions

Yield

Layout based on retaining existing house and large lot sites

Concept as shown - 1.397ha / 57.53%

Potential to increase to 75% yield if Access E deleted

At Appeal.

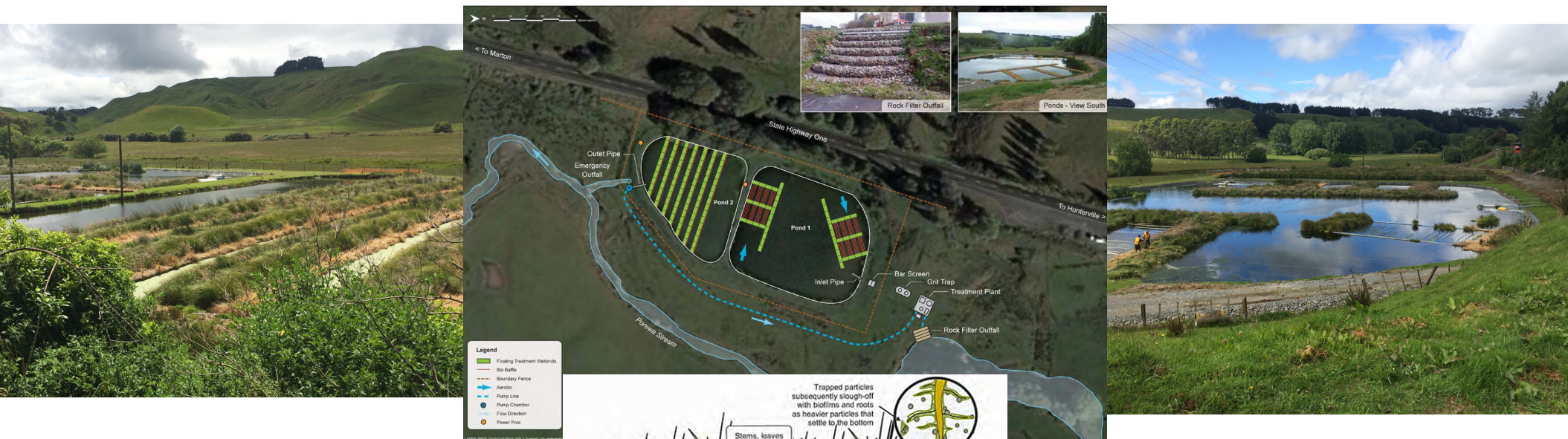
Client:
Janefield Redevelopment Group
Planner: Sweep Consultants
Landscape architect:
Site Environmental Consultants

Created for working families in 1890 Janefield is a 39ha land area that is divided into 2 to 3.5ha blocks on the east Mosgiel boundary. A structure plan was proposed that referenced the historic pattern and the rural character of site and provided for development as demand permitted. The grid character of existing field boundaries, and legacy trees and hedgerows, are retained and public access is provided to Silver Stream and boundary walkways. The ability to develop each block conforms to 3 road types and a set site block and road alignment. A tree planted 10m wide boundary set back is proposed for the western and southern boundary and will extend for 2.6km in length.

Land Development

Hunterville Waste Treatment.

The installation of floating wetlands and a secondary water polishing system was a groundbreaking project that provided a solution for a failing two stage settlement pond solution for the small country township of Hunterville. This solution has been subsequently assessed by Horizons as achieving the cleanest treated water discharge in Manawatu Region and is referenced as a bench mark. An unusual project step was the installation the floating wetlands and supporting infrastructure as proof of concept prior to consent

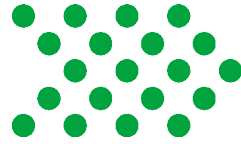


Consented and operational

Client: Rangitikei District Council
 Project owner: Waterclean Services
 Project managment, planner, landscape architect:
 Site Environmental Consultants
 Engineer: Rangitikei District Council

Urban Development

Railway St West



26 Railway St West established 12 terrace apartments on a 1004m² area of brown field land between the Papakura railway line and street edge, and facing 19th C residential villa and parkland. The building layout steps back from the street frontage to the west to provide garden areas in a repeating offset pattern that provides a separate entrance to each unit within a tight street frontage and reflects the existing residential pattern.

The eastern facade provides small alcove patio at ground, and balconies that look across the railway line. Site recommended a Victorian tenement character in the street elevation and unit details. This was carried into the design, urban design assessment, and consent.

Client: Railway St Developments.

Project owner: Distill Architects

Urban design: Site Environmental Consultants



Urban Development

Clifton Court.

Clifton Court development establishes 36 residential apartments and office space for 30 staff in as a non-complying \$10m+ proposal in Panmure commercial zone. The end users will include 72 retired residents of Chinese ethnicity, leading to concerns of their safety and vulnerability. Night visits and a CCTV 'look back' survey were undertaken to provide an in-formed response to the CPTED report and urban design assessment . Consultation was also undertaken by Site with surrounding businesses and other stakeholders and the responses were incorporated into the final assessment and design.

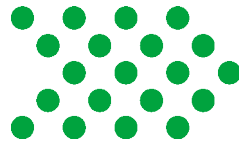


Under construction.

Client: Chinese New Settlers Trust
 Project owner: Gel Architecture
 Planning: Barry Kaye
 Urban Design and CPTED assessment:
 Site Environmental Consultants

Urban Development

Imperial Wharf.

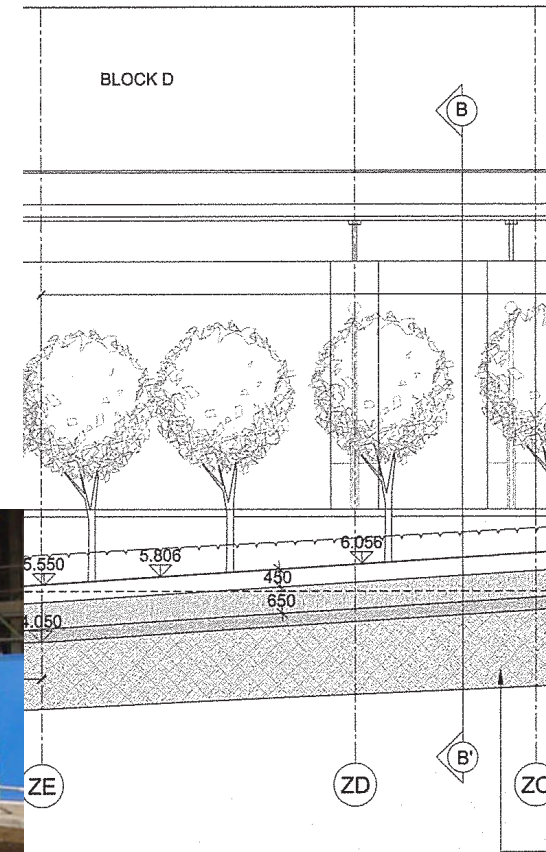


Imperial Wharf is 35ha inner London mixed retail/social housing and apartment complex built on the site of the Thames River Chelsea gas processing plant. The main structure is located on a concrete podium deck set over a naturally ventilated half sunk car park. Social housing is located on the road boundary with Chelsea borough and a new rail connection, a riverside walkway and park, and a marina are included. Hugh led the external works, design detailing, construction documentation, and site observation for stage 1 of the project.

Construction completed

Client: St. George Properties
Project owner: Broadway Malyan
Landscape architect (Site works): Hugh Forsyth

1 Section B-B' (on Grid Line ZC) Scale 1:100



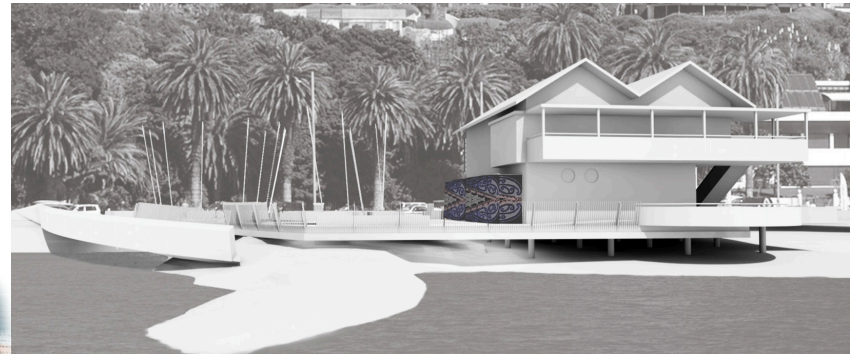
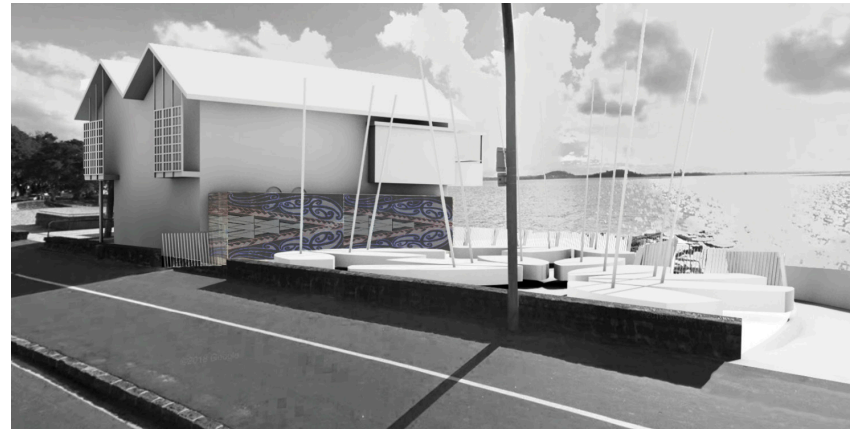
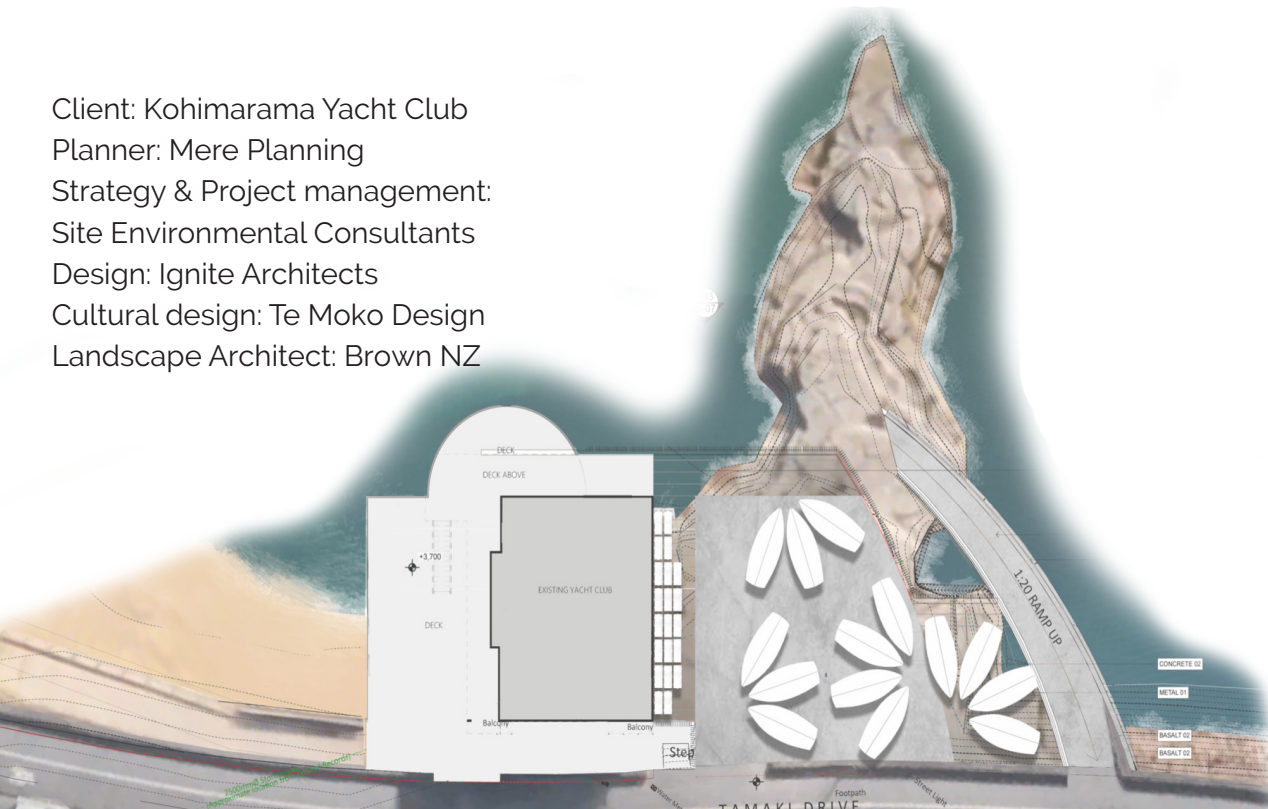
Landscape Planning

Kohimarama Yacht Club.

Kohimarama Yacht Club is seeking to allow for continued development of youth sailing on this popular inner-city foreshore by constructing a deck and public walkway over an artificial reef next to the Club building. This will also address increasing conflict between cars, trailers, boats, cyclists, motorists, runners and pedestrians that all use the shoreline road boundary and Tamaki Drive.

The design seeks to add amenity to the beach front and reflect cultural relevance. A sweeping ramp will descend to provide safe and strategic access to beach for walkers and seeks to reflect ongoing sailing from this headland, as well as the past great migrations of Maori to Aotearoa and the Waitimata that visited Kohimarama. Awaiting consent status

Client: Kohimarama Yacht Club
Planner: Mere Planning
Strategy & Project management:
Site Environmental Consultants
Design: Ignite Architects
Cultural design: Te Moko Design
Landscape Architect: Brown NZ



Landscape Planning

Clearwater Appeal.

Peninsula Holdings Trust seek to complete an existing quarry and establish 5 lots in the coastal environment of Papanui Inlet, Otago Peninsula. Professional support was provided at Appeal to maintain a resource consent that enabled this coastal subdivision. Support was based on amendments that included re siting of proposed new housing, additional and relocated mitigation planting.



Client: Dunedin City Council
Planner: WSP Opus (Dunedin)
Landscape architect: Site Environmental Consultants



Landscape Planning

Auckland Coastal Photosurvey.

A photographic survey of the east Auckland coastline and Hauraki Gulf was undertaken for Auckland Council to provide a consistent desktop view of the coastal boundaries and for planning review and environmental monitoring. 4500 prime 50mm digital images were provided in overlapping form that can be accessed internally by Council staff at hi resolution and publicly on the Council GIS site at a lower A4 resolution.



Client: Auckland Council
Project owner and proposer:
Project management, Coastal
photography, editing, collation:
Site Environmental Consultants
GIS: Seagull Consultants



About Hugh

Hugh Forsyth is a registered landscape architect with a project background in commercial and public sector projects within New Zealand, the United Kingdom, Cameroon and Australia. He has been responsible for several landscape teams as well as working within his own business for 10 years. Hugh has an outgoing personality and enjoys meeting and developing ideas with others and is comfortable presenting on behalf of Clients on an RMA review environment.

The scope of Hugh's work includes rural and coastal land and urban development, infrastructure, transportation, and extractive industries. He takes a careful approach to initial research and Client objectives and seeks to provide professional advice that is realistic, robust and flexible.

Site Environmental Consultants was established in 2008 to provide an opportunity to work with other consultants in the public environment and on Hugh's own behalf. Projects have been completed in Auckland, Coromandel, Otago and frequently including other team projects.

Hugh's present work has a focus on land development and landscape planning with an emphasis on managing the whole project scope on behalf of Clients.

Services areas include:

Land development:

- Site design and development
- Support for resource consent
- Project management

Urban development:

- Design for external works
- Urban design assessment
- CPTED assessment

Landscape Planning:

- Landscape and visual assessment
- Peer review
- Provision of expert evidence and support at Hearing and Appeal
- Statutory landscape assessment and reporting



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