

PROJECT TEAM

Авсलाіет





| Logal Descripition： | Zoning： |  |
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| Lots 12， 13 \＆ 14 <br> All of Block 9 District Lot 265，Plan 1406 | ${ }_{\text {Curent }}$ | ${ }_{\text {M }}^{\text {M }}$ |
| Civic Adresses： | Site Dimension |  |
| Lot 12：717 W 15th St． Lot 13：709 W 15th St． <br> Lot 14：705 W 15th St． | $\begin{aligned} & \text { North: } \\ & \text { East \& West: } \\ & \text { South: } \end{aligned}$ |  |

DESIGN RATIONALE


PROJECT STATISTICS


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## DESIGN RATIONALE



## Project Description

The site consists of a parcel of three lots situated at the corner of W 15 th Street and Bewicke Avenue. The bustling activity of Marine Drive lies three blocks to the South while lush greenways nearby frame the site area to the east and west. A steep slope along Bewicke Avenue cascades down towards Marine Drive and diagonally across the site, leveling out towards Mosquito Creek to the west.
The 2014 Official Community Plan allows for up to six storeys and 2.5 FSR on the site. The proposed development is a four-storey wood-frame mixed-use commercial podium. The proposed development fronts both W 15 th Street and Bewicke Avenue in a U-shape, framing a courtyard to the South. Two levels of underground parking containing residential, commercial and visitor parking are accessed from the laneway

## Target Marke

A mix of unit types containing 1-3 bedrooms offers an array of size and affordability options to homebuyers. The site's proximity to Westview Elementary School as well as a variety of multi-bedroom units appeals to growing families, while a large proportion of 1 -bedroom units will attract single residents and empty-nesters looking to downsize. It is expected that this
diversity of housing options will draw a complete community within the building.

## Relationship to Context

The site's location marks a subtle transition between two distinct areas, bridging between a commercial zone along Marine Drive and a reside the slope to the North. Direct frontage along Bewicke Avenue as it merges with Marine Drive fosters opportunities for commercial activity, yet the immediate residential context dictates a quieter, more sedentary occupancy. The commercial portion is designed to maximize flexibility in the division of units, and although it is unlikely a purely retail use would gather enough economic support in the area, ofice uses with small pockets of specific community-based

Akin to nearby developments, the building embraces North Vancouver's natura setting through access to a common courtyard and amenity patio space. Additionally, each of the residential units have incomparable outdoor views and spaces on large private balconies. Ground level units have front yards and entries that directly access the street, echoing the pedestrian-friendly openness of the surrounding townhomes and single-family homes.

## Building Massing

Massing of the building has been carefully considered to respond to the divers residential context and large grade changes across the site. The building is composed of two distinct elements: a strong commercial base facing Bewicke and a four-storey residential component which wraps around the site. The first level facing Bewicke is buried due to a storey of grade change across the site, sitting high on the slope across Bewicke are met with a single storey of commercial and two storeys of residential. Towards the south and west, the grade falls away revealing four storeys to match the neighbouring three- to four storey developments.

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A residential amenity room including a communal kitchen and seating area is located on the ground floor of the building, opening up onto a shared patio space and amenity garden in the courtyard. Commercial amenities will provid ervices and local employment opportunities, benefitting not only the building residents but also reaching out to the community as a whole.

## Materials

The materiality of the building reflects the natural character of North Vancouver. The commercial facade is framed by a strong masonry element supported by heavy timber columns. The prominence of the commercial mass is countered by the calmer residential mass clad in cementitious panels. Accent and of horizontal siding create texture and colour variation to the façade. Wood-like soffits at balconies and roof overhangs bring warmth to the building.

## Crime Prevention Through Environmental Design

The mixed-use function of the building inherently facilitates crime prevention, putting eyes on the street at all times of the day. Light fixtures throughout the andscaping, particularly at the lane, create a safer environment at night. The aised courtyard activates the laneway while still maintaining privacy and security for the residents. The secure underground parkade meets CPTED requirements by maximizing openness and visibility throughout the floor are

## Open Space Uses and Landscape Treatment

esiting and form of the building create a variety of open exterior spaces. Private patios with gates accessing an internal pathway in the courtyard create neighbourhood' feel, while a shared amenity garden and children's play area ake advantage of the terracing landscape.

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| 30 | 78 |  | 100 |
| 34 | 72.4 | 87.22 | 98.4 |
| 40 | 64 |  | 96 |




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## Sustainability Statement

| Environmental Consideration | Consideration Approach | Environmental Consideration | Consideration Approach |
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| Site Planning | Project is located a moderately environmentally sensitive area- Not applicable for consideration. | Energy Efficiency Design | The building will have efficient HVAC and Lighting systems. Energy star appliances will be used. A priority will be put on building envelope efficiency. |
| Sediment Erosion Control | Contractor will develop an Erosion Sedimentation Control plan in accordance with City of North Vancouver by-law No. 7541, 2003. | Connection to DES | Building to have hydronic heating designed to meet LEC connectivity requirements |
| Soil Stability | Design Project to have no slope greater than 3:1. | Renewable Energy | Renewable Energy approaches have been reviewed and are not specifically being addressed as part of this submission. |
| Transportation | Provide secure bicycle storage for occupants to support not using single occupancy vehicles. | $\overline{\text { CFC reduction }}$ | Project will utilize hydronic based HVAC (non VRF) systems to eliminate the need for refrigerant of any sort in the building |
| Reduce Site Disturbance | Landscape will be selected to be native and adaptive mimic natural or existing ecology. | Construction Waste Management | Project will use a construction waste hauler capable of sorting construction waste materials and recycling those materials accordingly. |
| Stormwater Management | Hardscapes will be sloped towards landscaping to allow for natural stormwater infiltration Stormwater rate and volume will be controlled by capture, storage and slow release | Building Reuse | During the demolition of the existing building local re-use centers will be contacted to review and identify opportunities for materials reuse. Prior to demolition, contractor will remove those items to preserve their quality and maximize their reusability. |
| Light Pollution | Project will not use any exterior lighting which directs lighting above 90 degrees (no up lighting). | Recycled content | Recycled content has been reviewed and are not specifically being addressed as part of this submission. |
| Composting Facilities | Building will participate in City of North Vancouver's organics collection program. | Environmentally friendly materials | Interior finishes will be selected to be low VOC as defined under SCAQMD VOC limit criteria Flooring elements, carpets, and resilient flooring will either be green label or floorscore certified as available. Selected composite wood products will be free from urea formaldehyde content. |
| Recycling Facilitates | Building will participate in City of North Vancouver's organics collection program. | Durability | Building and equipment lifecycles will be identified by the design team to produce an ongoing dialog about the buildings ongoing maintainability and durability |
| Water Efficient Landscaping | Building will use water efficient irrigation controller to irrigation to be only when necessary | Air Quality | Building entrances will have entryway mats to limit to tracking of dust into the building. Outdoor air in corridors and amenity spaces will be filtered using the best available filtration. |
| Water Use Reduction | Utilization of Low-Flow Fixtures, Dual-Flush or High Efficiency Toilets. | Daylight and Views | Suites will have windows located to support visual access to the outdoors as well as support the penetration of natural daylight into the suite |

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| Social Consideration | Consideration Approach |
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| Livability | Ensuring the development caters to a wide demographic range from young families, empty nesters and single occupant households. |
| Child care and/or children play space | A children's play space will be integrated into the common courtyard facility. The building is also one block away from Apple Blossom childcare centre |
| Location (Proximity to social services) | One block away from Westview Elementary school and Apple Blossom Childcare centre. In close proximity to Chris Zuehlke Memorial Park |
| $\overline{\text { Amenities }}$ | A residential amenity room including a communal kitchen and seating area centrally located on the ground floor, opening up onto a shared patio space and amenity garden in the courtyard. |
| Statement of Affordability | The development provides a complete range of strata units for purchase from 1 Bedrooms, 2 Bedrooms and 3 Bedroom units. Providing a range of housing types to ensure a continuum from 600 Sqft to $1,500 \mathrm{Sqft}$. |
|  | This style of residential project benefit local neighbourhoods as they attract residents of diverse socio-economic backgrounds and are often multi generational. This includes professionals, couples with small children and retirees. |
| Transit | This urban development is located in a neighbourhood with a high level of walkability and proximity to frequent transit. The development is located within 150 m of a bus stope served by the 246 bus and 350 m of a bus stop served by the $236,239,240,241,242,255$, 881, and N24 busses. |
| Economic consideration | Consideration Approach |
| Direct Employment: | 4000 Square Foot of Commercial Space on the main level integrated into the project. Local employment through generating construction job opportunities. |
| Indirect Economic Benefits | The intensification of residents in this area will increase the city of North Vancouver's tax base, stimulate economic development and increase the utilization of public transit and road infrastructure. An influx of permanent residences will increase existing business activity, encourage new business development and generate permanent building maintenance jobs. |



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