

INSPIRATION IMAGES



LANDSCAPE DESIGN RATIONALE

The landscape design responds to the residential and research components of the architecture. While each has a different expression, similar materiality and form give the design a cohesive character.

The ground floor research component is meant to clearly express the sustainable features of the project and have a strong, direct connection to the public realm. The building is set in the rainwater collection pond. The collected rainwater is stored in a cistern and re-circulated through the pond. The water is used for highly efficient landscape irrigation in the summer and toilet flushing during the winter in the research component of the building.

The units are access directly via ground floor patios and through the residential entry lobby. Ground floor patios adjacent the residential units are buffered from the public realm through planting, tree canopy, and change in grade. Each patio entry is punctuated by an address column, lighting, and gate. The residential main entry to the building acts as the transition point between the residential and research uses. The lobby is accessed via a bridge over the rainwater collection pond. The transparent lobby creates a visual connection from the public realm through to the internal courtyard of the project. Here there is a planted rainwater filtration pond that is connected to the pond surrounding the research building.

A non-accessible green roof over the amenity portion of the building is planted with trees to provide summer shade to the south facing units, mitigate storm water runoff, attenuate sound, and create a delightful entry experience to the upper floor unit entries.

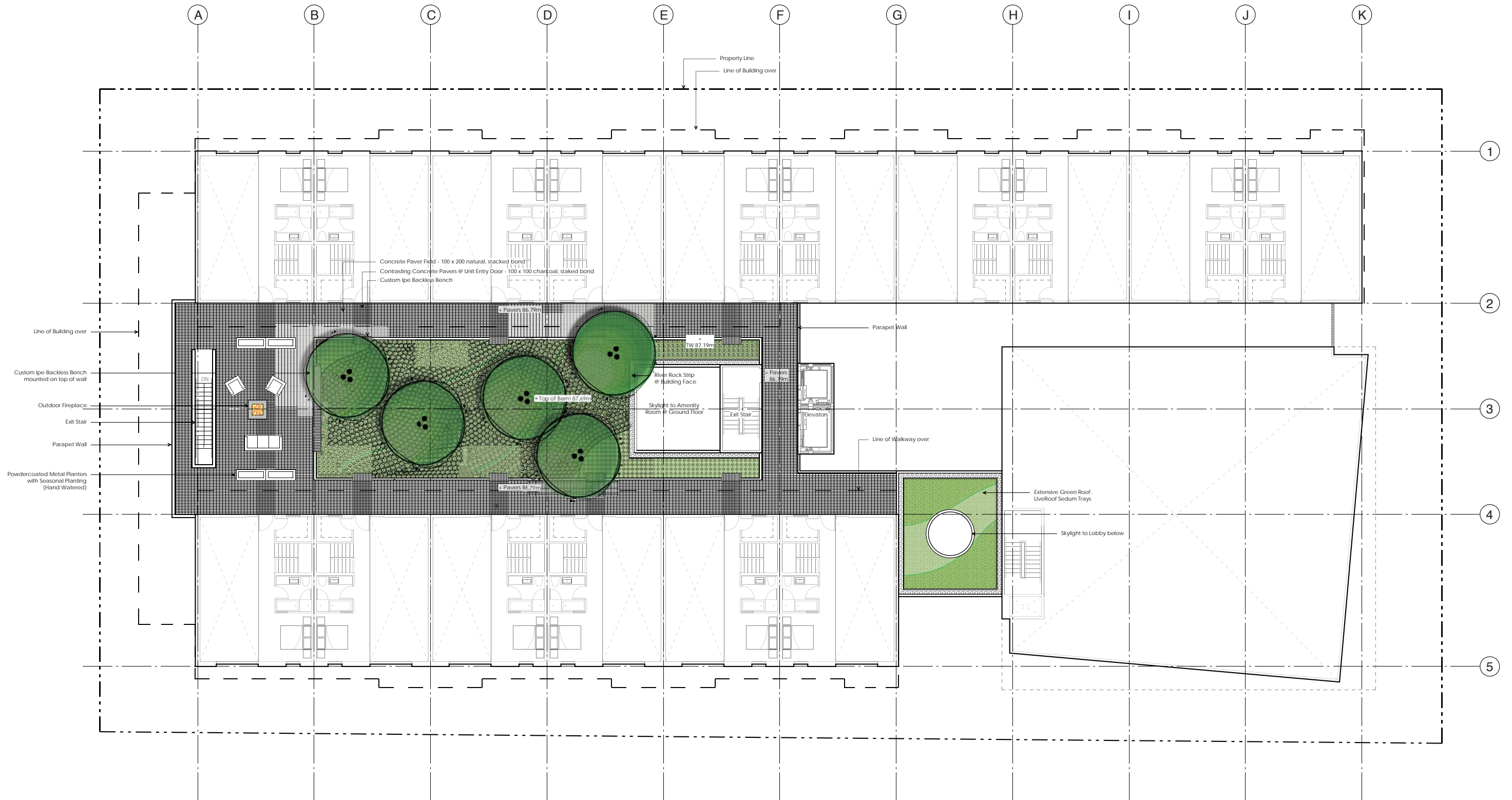
The landscape design supports the sustainability principles/ functions of the building. Water conservation, rainwater reuse, heat island, indigenous plants, green roofs and permeable surfacing will be pursued to achieve LEED Gold.

The proposed materials palette will tie into that of the public realm on campus. Durability of materials is important when designing for low lifecycle and maintenance costs.

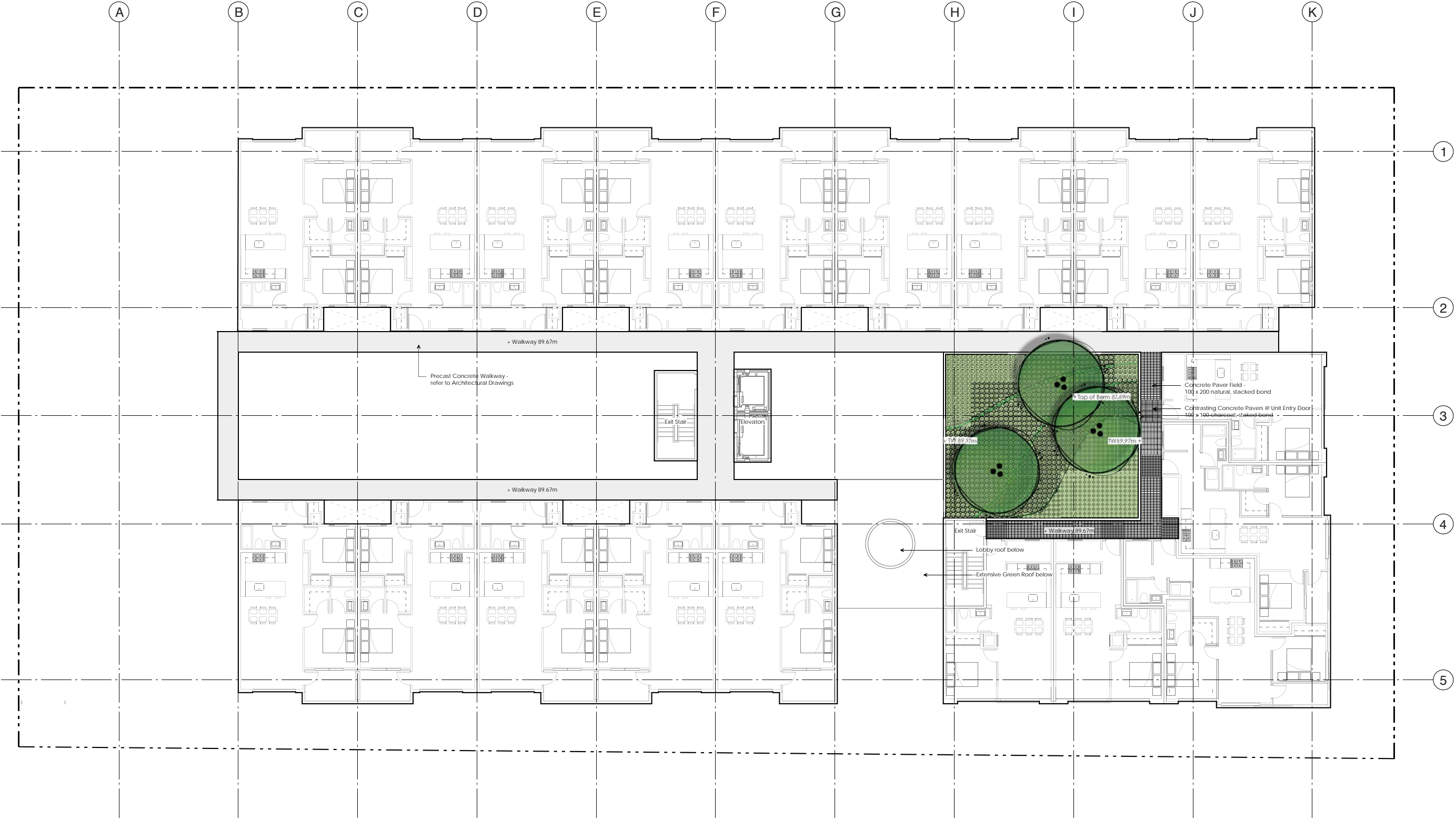
SHRUM LANE



SECOND FLOOR COURTYARD PLAN

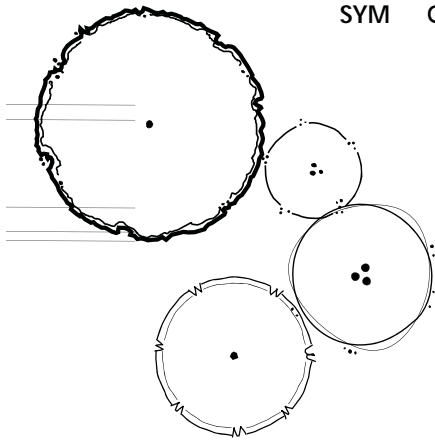


THIRD FLOOR COURTYARD PLAN



PLANT LIST

PLANTING NOTES



SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
TREES					
	1	Acer Davidii	David Maple	7cm Cal. B&B	
	3	Acer circinatum	Vine Maple	6cm Cal. B&B	
	5	Acer palmatum	Japanese Maple	5cm Cal. B&B	
	8	Styrax japonicus	Japanese Snowbell	6cm Cal. B&B	
SHRUBS					
CS	365	Cornus sericea ‘Kelseyii’	Kelsey Dogwood	#2 pot	600mm o.c.
G	1084	Gaultheria shallon	Salal	#1 pot	450mm o.c.
HE	125	Hebe evenosa	Hebe	#2 pot	450mm o.c.
HP	108	Hebe pingui. Sutherlandii	Hebe	#2 pot	450mm o.c.
+	189	Taxus media hicksii	Yew	5’ ht.	B&B 450mm o.c.
PERENNIALS/ GROUNDCOVER/ GRASSES					
a	662	Arrhenatherum bulbosum	Tuber Oat Grass	#1 pot	300mm o.c.
c	1130	Carex oshimensis Evergold	Japanese Sedge	#1 pot	300mm o.c.
co	81	Cotoneaster dammeri	Bearberry Cotoneaster	#1 pot	300mm o.c.
hs	292	Helictotrichon sempervirens	Blue Oat Grass	#2 pot	450mm o.c.
la	338	Lavendula angustifolia ‘Hicdote Blue’	English Lavender	#1 pot	300mm o.c.
li	945	Lirope muscari variegata	Lily-turf	#1 pot	450mm o.c.
o	870	Ophiopogon japonicus	Mondo Grass	#1 pot	300mm o.c.
pm	154	Polystichum tsu-tsimense	Western Sword Fern	#1 pot	450mm o.c.
s	621	Stipa tenuissima	Mexican Feather Grass	#1 pot	300mm o.c.

1.

All work shall meet or exceed the requirements as outlined in the current Edition of the B.C. Landscape Standard.
2.

Plant sizes and related container classes are specified according to the B.C. Landscape Standard current Edition. For container classes #3 and smaller, plant sizes shall be as shown in the plant list and the Standard; for all other plants, bothplant size and container class shall be as shown in the plant list. Specifically, when the plant list call for #5 class containers, these shall be as defined in the BCNTA (ANSI) Standard.
3.

All 'Soft Landscape Areas' are to be irrigated. All irrigation to be to IIABC Standards. Provide irrigation to front boulevard (heads and pipes inside Property Line)
4.

All trees to be staked in accordance with BCNTA Standards.
5.

All plants are to be sourced from nurseries certified free of P. ramorum.
6.

Soil depths are to be 300mm for lawn and 450mm for shrub beds.
7.

Extensive Green Roof: LiveRoof sedum trays as grown and supplied by Nats Nursery.

