LANDSCAPE RATIONALE

OVERVIEW

The overall design intent is to integrate this project into both its' immediate natural environment and the evolving context of Lions Gate Village in adjacent North Vancouver.

The powerful influences of the natural and man-made environments are explored and responded to in an integrated manner through the use of connections, character themes, and materials. The primary site influence is the Capilano River and its geomorphology with secondary influences of the iconic Cleveland Dam first nations imagery, and the adjacent industrial lands. The overall ground plane programming responds to the street presence, arrival sequence, common amenity zones at ground level, and adjacent public realm amenities. The design responds to the project's proximity to adjacent uses (Klahanie Park Family Housing, Marine Drive, and the Lions Gate Village redevelopments to the east), sustainability goals and to specific solar orientations.

Plant material throughout the site has been selected with a focus on native and drought tolerant plantings. Planting areas are also designed to assist in storm water management and the provision of shade in specific areas.

The overall feel of the landscape will be that of shared amenities and gracious open spaces for people of all ages and abilities. The public face of the project will be permeable and inviting.

STREET FRONTAGES

The eastern frontage is along the future roadway shared between North and West Vancouver. The streetscape along the west side of this new road will be coordinated with West Vancouver Parks and will include new sidewalk, bicycle pathway, street trees, and connections to the amenities in Lions Gate Village.

The 10-meter Marine Drive frontage setback area is under the control of Ministry of Transportation and Infrastructure (MOTI). Upgrades to their standards are proposed to provide an engaging urban frontage that is consistent with the District of North Vancouver Lions Gate Village properties to the east as well as providing articulated acoustic separation and visual screening. It is clearly recognized that this frontage is highly visible and requires a strong urban design response.

ARRIVAL PLAZA

Overall patterning of the plaza is intended to provide a unified ground plane that blurs the line between pedestrian and vehicle areas. The design narrative plays on themes derived from the geomorphology of Capilano River in an abstracted pattern. Granite plinths run through the area representing the canyon walls and boulders along the river edge. Paver patterning suggests gravel bars in the river. The plaza will accommodate emergency access, garbage pick-up, visitor drop off and temporary parking. Tree placement and planting areas provide a range of plaza seating opportunities for residents and the public. The arrival plaza provides a direct connection to Lions Gate Village and the bicycle and pedestrian pathway system leading to Klahanie Park, the Capilano River and Park Royal along Marine Drive.

COMMON OPEN SPACE

The tower ground floor is composed of a sequence of public spaces including social gathering spaces, spa rooms and fitness facilities. Adjacent to these facilities a sequence of open spaces and amenities are provided at the south and west sides of the tower for the use of all tower residents. At the sunny southwest corner is an open lawn area that leads to a spine connecting to the water feature. A direct tower connection is provided from the west side of the tower. A garden walkway connects this amenity along the south property line to the children's play area and a central common terrace. The primary access to the southern commons is provided by a walkway from the tower lobby.

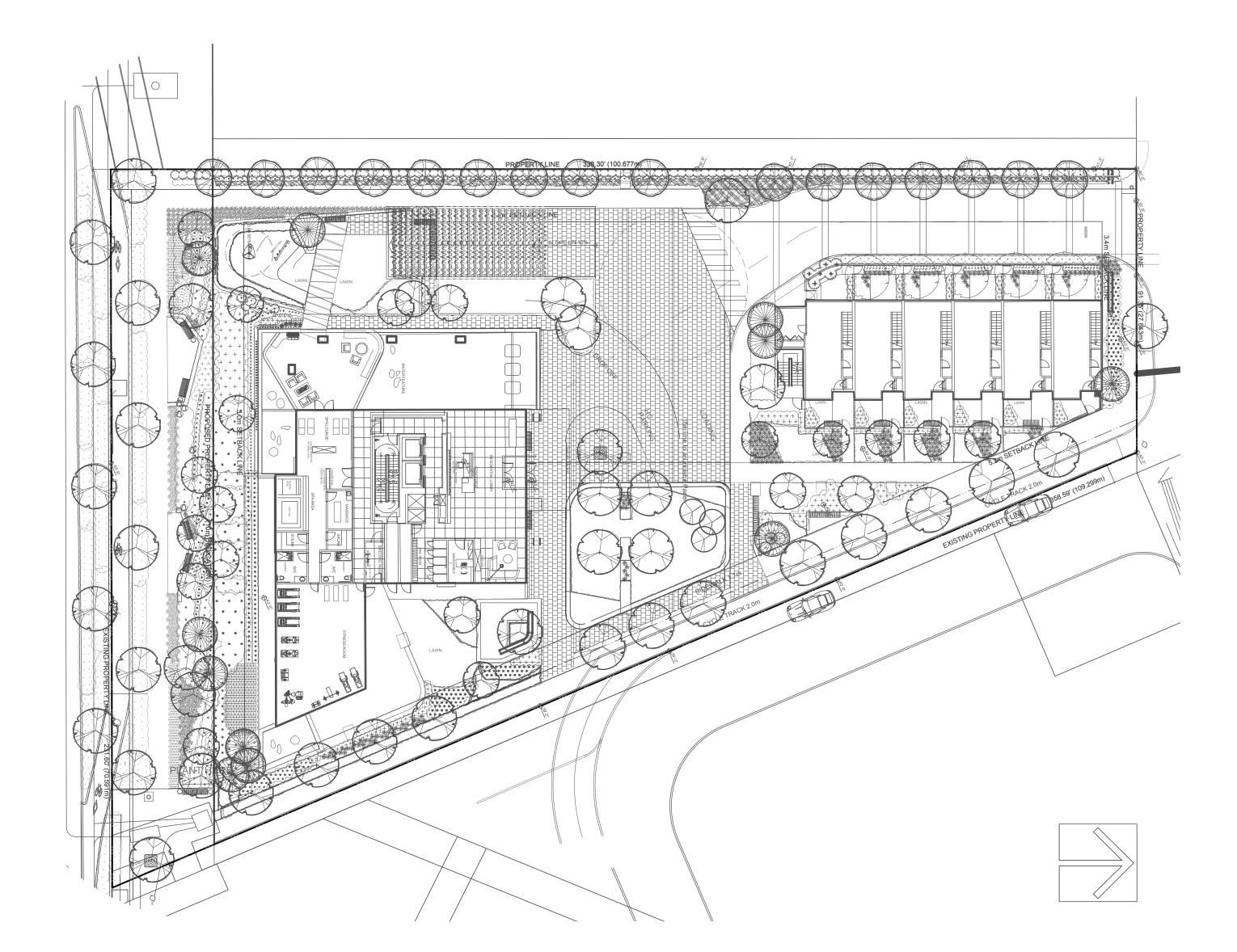
At level 25 of the tower, terraces are provided adjacent the two private residences. These garden rooms have been designed to respond to their solar and view orientation and to provide a range of garden characters - contemplative, social, and communal.

OFF SITE WORKS

Upgrades to Klahanie Park and the pathway along Capilano River are proposed as additional public benefit contributions. Appropriate upgrades to Klahanie Park will be discussed with the District of West Vancouver.

OLIOTAINIA BILITY

Sustainability goals will be achieved through use of drought tolerant native and adaptable plantings, significant landscape areas for rainwater capture, and provision for a highly efficient irrigation system.



SENTINEL for Darwin Properties

Civic Address: 303 Marine Drive, West Vancouver BC

Legal Description:



CONSULTANT TEAM

OWNER: Darwin Properties
ARCHITECT: Chris Dikeakos Architects
LANDSCAPE: eta Landscape Architecture

ISSUED FOR DP: June 4, 2018

DRAWING LIST

L0.1 Landscape Notes and Schedules

L1.0 Site Plan Overview
L2.0 Tree Management
L3.0 Public Realm

L4.0 Site Plan- Ground Floor

L4.1 Landscape Materials Plan - Ground

L4.2 Landscape Materials and Planting Plan - Level 3

L4.3 Landscape Materials and Planting Plan - Roof
L5.0 Landscape Planting Plan - Ground Floor

L5.0 Landscape Planting Plan L6.0 Landscape Lighting Plan

L7.0 Landscape irrigated Areas

L8.1 Landscape Sections
L8.2 Landscape Sections

L9.1 Landscape Details
L9.2 Landscape Details

ALL PLANTS TO BE NURSERY GROWN ALL PLANT MATERIALS AND LABOUR TO CONFORM TO THE CURRENT EDITION OF THE CSLA LANDSCAPE STANDARDS.

ALL PLANT MATERIAL TO BE INSPECTED PRIOR TO DELIVERY ON SITE. CONTRACTOR TO ARRANGE FOR INSPECTION AND MATERIAL TO ASSEMBLED IN ONE LOCATION FOR REVIEW.

IMPORTED GROWING MEDIA SHALL BE A SANDY LOAM OR LOAMY SAND TEXTURE (NO LESS THAN 50% SAND BY WEIGHT) CONTAINING 4 AND 15% ORGANIC MATTER (DRY WEIGHT BASIS).

GROWING MEDIA SHALL BE FREE FROM SUBSOIL, WOOD INCLUDING WOODY PLANT PARTS, INVASIVE AND NOXIOUS PLANT AND THEIR REPRODUCTIBLE PARTS, PLANT PATHOGENIC ORGANISMS, ORGANIC OR INORGANIC MATERIALS, TOXINS, STONES OVER 30mm (1.2"), ANY DEBRIS AND FOREIGN OBJECTS.

IMPORTED GROWING MEDIA SHALL CONFORM TO AND BE TREATED AS PER SECTION 6.2.3 TO 6.2.7 INCLUSIVE OF THE CURRENT EDITION CSLA LANDSCAPE STANDARDS.

GROWING MEDIUM SHALL CONFORM TO LEVEL 1 "WELL-GROOMED" AREAS: LOW TRAFFIC LAWN AREAS, TREES AND LARGE SHRUBS (1L IN TABLE T-6.3.5.1 OF THE CURRENT EDITION OF THE CSLA LANDSCAPE STANDARDS). IT SHALL POSSESS THE FOLLOWING QUALITIES:

TEXTURE-

*COARSE GRAVEL (LARGER THAN 19mm AND SMALLER THAN 40mm): 0-1% *ALL GRAVEL (LARGER THAN 2mm AND SMALER THAN 40mm): 0-5% *SAND (LARGER THAN 0.05mm AND SMALLER THAN 2mm): 50-70% *SILT (LARGER THAN 0.002mm AND SMALLER THAN 0.05mm): 10-25% *CLAY (SMALLER THAN 0.002mm): 0-20%

ORGANIC CONTENT: 3-10%

*CLAY AND SILT COMBINED: MAXIMUM 25%

Acidity (pH): 6.0-7.0

DRAINAGE: PERCOLATION SHALL BE SUCH THAT NO STANDING WATER IS VISIBLE 60 MINUTES AFTER AT LEAST 10 MINUTES OF MODERATE TO HEAVY RAIN OR IRRIGATION.

MINIMUM SOIL DEPTH TO BE AS PER TABLE T 6.3.5.5 OF THE CURRENT EDITION CSLA LANDSCAPE STANDARDS :

	Over prepared subgrade where the subsoil drains rapidly	Over structures or where the subsoil drains poorly
TREES (10m2 PER TREE)	24"	30"
LARGE SHRUBS	24"	24"
GROUNDCOVERS	12"	9"
LAWN-IRRIGATED	6"	6"
LAWN-NOT IRRIGATED	6"	9"

SOIL DEPTHS WILL BE CHECKED AT TIME OF SUBSTANTIAL COMPLETION REVIEW

SOIL FOR URBAN AGRICULTURE PLOTS IS TO BE URBAN GRO PROVIDED BY VERATEC, OR APPROVED ALTERNATIVE. SOIL FOR URBAN AGRICULTURE AREAS IS TO MEET OR EXCEED THE GUIDELINES FOR COMPOST QUALITY UNDER CANADIAN COUNCIL OF MINISTERS OF THE ENVIRONMENT (CCME).

COMPOST IS TO BE TESTED AND RESULTS SUBMITTED TO CONSULTANT PRIOR TO DELIVERY TO SITE.

BEDS TO HAVE 2" MULCH LAYER (after settling) CONSISTING OF ORGANIC COMPOSTED BARK APPLIED.

PLANTED AREAS TO HAVE PERMANENT HIGH EFFICIENCY IRRIGATION SYSTEM - SHOP DRAWINGS ARE TO BE PREPARED BY AN IABC CERTIFIED DESIGNER AND APPROVED BY LANDSCAPE ARCHITECT.

CONTRACTOR TO PROVIDE MAINTENANCE FOR 1 YEAR FOLLOWING SUBSTANTIAL COMPLETION.

CONTRACTOR TO PROVIDE WRITTEN 1 YEAR WARRANTY ON PLANT MATERIAL

CONTRACTOR TO PROVIDE COPY OF SOIL TEST TO LANDSCAPE CONSULTANT 3 WEEKS **PRIOR** TO DELIVERY ON-SITE. TEST TO BE PERFORMED BY AN INDEPENDENT LAB AND IS TO INCLUDE RECOMMENDATIONS FOR BOTH LAWN AND PLANTING BEDS.

CONSULTANT TO APPROVE SOIL BEFORE INSTALLATION. THIS DOES NOT PRECLUDE THE CONSULTANT FROM PERFORMING AN INDEPENDENT SOIL ANALYSIS AT TIME OF SUBSTANTIAL COMPLETION. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF SOIL THAT DOES NOT MEET SPECIFICATIONS AT NO EXTRA COST TO

CONTRACTOR TO PROVIDE WRITTEN 1 YEAR WARRANTY ON SOIL SPECIFICATIONS.

AN INDEPENDENT SOIL TEST TO BE PROVIDED 1 WEEK PRIOR TO END OF 1 YEAR WARRANTY PERIOD CONTRACTOR TO PROVIDE SOIL AMMENDMENTS TO BRING SOIL UP TO QUALITY RECOMMENDED IN SOILS REPORT.

SITE INSPECTION

EXAMINE EXISTING SUBGRADE CONDITIONS AND SIGNIFY ACCEPTANCE IN WRITING TO THE CONSULTANT.

ASCERTAIN THE SIZE AND LOCATION OF ALL EXISTING SERVICES AND SUBGRADES PRIOR TO THE WORK.

IMMEDIATELY REPAIR DAMAGE RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTIONS AT NO COST TO THE OWNER.

ALL PRUNING TO BE IN ACCORDANCE WITH THE CSLA LANDSCAPE STANDARDS CURRENT EDITION.

PLANT COUNTS

IN THE CASE OF ANY DISCREPANCY BETWEEN PLANT COUNTS ON PLANT LIST AND PLANT SYMBOLS ON DRAWING, THE DRAWINGS TAKES PRECEDENT. THE CONTRACTOR IS TO VERIFY ALL PLANT COUNTS AND NOTIFY CONSULTANT OF ANY DISCREPANCY.

landscape architecture

1690 West 2nd Avenue Vancouver . BC . Canada . V6J 1H3

All Rights Reserved by eta landscape architecture inc. Information contained on these documents is part of the Consultant's instruments of service, and the Consultant shall retain ownership thereof. Such information shall not be used for any purpose other than for the construction of the referenced project. Any other use, reuse or modification of the documents without the Consultant's prior written consent will be at the recipient's sole risk and without liability or legal

303 Marine Dr. West Vancouver, BC Landscape Notes

SENTINEL

and Schedules

	SITE FURNISHINGS						
ID	DESCRIPTION	SIZE	MODEL	MANUFACTURER	COMMENT	COLOUR	QTY
1	CUSTOM TIMBER BENCH			custom		natural	
2	BENCH -CONCRETE/WOOD			custom	concrete/wood	natural	
3	BIKE RACK		Summit	Forms and Surfaces		stainless	
4	BIKE REPAIR UNIT		94	Dero			
5	LITTER CONTAINER				as per Lions gate Guidelines	3	
6	CUT GRANITE BLOCKS	varies			Jane Por Ererre gene Canadamire		tbd
7	PLAY STRUCTURE	Variou	ELE400008	Kompan			100
8	TREE GRATE		Coho	Urban Accessories			
9	ARBOUR		333	custom			
	MATERIALS						
ID	DESCRIPTION	SIZE	MODEL	MANUFACTURER	COMMENT	COLOUR	QTY
10	PAVER A - Vehicular	300x300x108mm	VS5	Expocrete			
11	PAVER B - Pedestrian		Moduline	Expocrete			
12	PAVER C - Patios						
13	PAVER D - Plaza	150x300x108mm	VS5	Expocrete			
14	DECKING				IPE	natural	
15	RESILIENT PLAY SURFACE						
16	GREEN ROOF			Zinco	Extensive, bands		
17	PAVER E - Roof Patios	450 x 450mm	Running bond	Abbotsford Concrete			
	LIGHTING						
ID	DESCRIPTION	TYPE	MODEL	MANUFACTURER	COMMENT		
	BOLLARD LIGHT	LED	LOOK	SISTEMALUX			
	UNDERWATER LIGHT	LED	LEDIA LF	HESS			
	PATH LIGHT	LED	MINI LOOK	SISTEMALUX			
	IN GROUND LIGHT	LED	NANOLED SQUARE				
	STEP/WALL LIGHT	LED	SKIL MINI SQUARE	SISTEMALUX			
	UPLIGHT	LED	I PRO	I GUZZINI			
	POLE LIGHT	LED					

ID	QTY	LATIN NAME	COMMON NAME	SPACING	SCHEDULED SIZE	NOTES
TREES						
Aps	2	Acer palmatum 'Seiryu'	Japanese Maple	as shown	5cm cal. B&B	full/bushy plants
Bn	4	Betulus nigra	river birch	as shown		low branching/ vary heights
Bnh	9	Betulus nigra 'Heritage'	river birch	as shown	3m/ B&B	multi-branching/ vary heights
Lp	7	Lonicera pileata	box leaf honeysuckle	as shown	#2 cont.	full/ bushy plants
Pio	3	Picea omorika	Serbian Spruce	as shown	3.5m ht/B&B	full/ bushy plants
	0			as shown		, ,
SHRUBS						
Bs	105	Blechnum spicant	deer fern	0.305	#2 cont.	full bushy plants
Feg	26	Festuca glauca	blue fescue	0.833	#1 cont.	full/ bushy plants
Is	105	Iris sibirica 'Caesar's Brother'	Caesar's Brother Siberian Iris		#2 cont.	staked
Jue	105	Juncus effuses	common rush		#1 cont	.3m o.c.
Lm	248	Liriope muscari 'Majestic'	Majestic Lilyturf	0.457	#2 cont.	staked
Lp	16	Lonicera pileata	box leaf honeysuckle	1.219	#2 cont.	full/ bushy plants
Mis	28	Miscanthus sinensis 'Morning Light"	morning light maiden grass	0.61	#3 cont.	full/ bushy plants
Mn	67	Mahonia nervosa	longleaf mahonia		#1 cont	full/ bushy plants
Mr	369	Mahonia repens	Creeping Oregon grape	0.61	#3 cont.	full/ bushy plants
Pah	9	Pennisetum alopecuroides 'Hameln'	dwarf fountain Grass	0.457	#1 contheavy	full/ bushy plants
Plo	5	Prunus laurocerasus 'Otto Luyken'	'Otto Luyken' English laurel	0.762	#5 cont.	full/ bushy plants
Pm	12	Polystichum munitum	Sword Fern		#3 cont.	full bushy plants
RhG	232	Rubeckia "Goldstrum"	Golden Coneflower	0.305	#2 cont	full/ bushy plants
RhG	26	Rubeckia "Goldstrum"	Golden Coneflower		#2 cont	full/ bushy plants
Sc	26	Santolina chamaecyparissus	lavendar cotton	2.5	#2 cont	full/ bushy plants
Sh	37	Sarcococca hookeriana	sweet box	0.457	#2 cont.	Full, bushy plants
Sob	26	Salvia officinalis 'Bergarten'	sage		#1 cont.	full bushy plants
Stt	26	Stipa tenuissima	Mexican feather grass		#2 cont.	full/ bushy plants
Vo	290	Vaccinium ovatum	evergreen huckleberry	0.762	#3 cont.	full/ bushy plants
	0			0		
LAWN						
LAWN		Non-Netted, grown on sand				
		TO CONFORM TO THE CURRENT				
LANDSCAP	<u>E TREATME</u>	NT IN THE EVENT OF A DISCREPAN	CY BETWEEN THE PLANT LIST	TAND THE PLANT	ING PLAN, THE PLAN	<u>ITING PLAN TAKES PRECEDENC</u>

21429 1:200 NT/TC GE 06/03/2015

File name: 21429 303 Marine Master_Layout DP.vwx

Date: Mon, 2018 Jun 4

2018.06.04 Issue for DP 2018.04.30 Issue for 50% BP 2018.04.30 Reissued for First Reading

Revision Notes

Zone Approvals

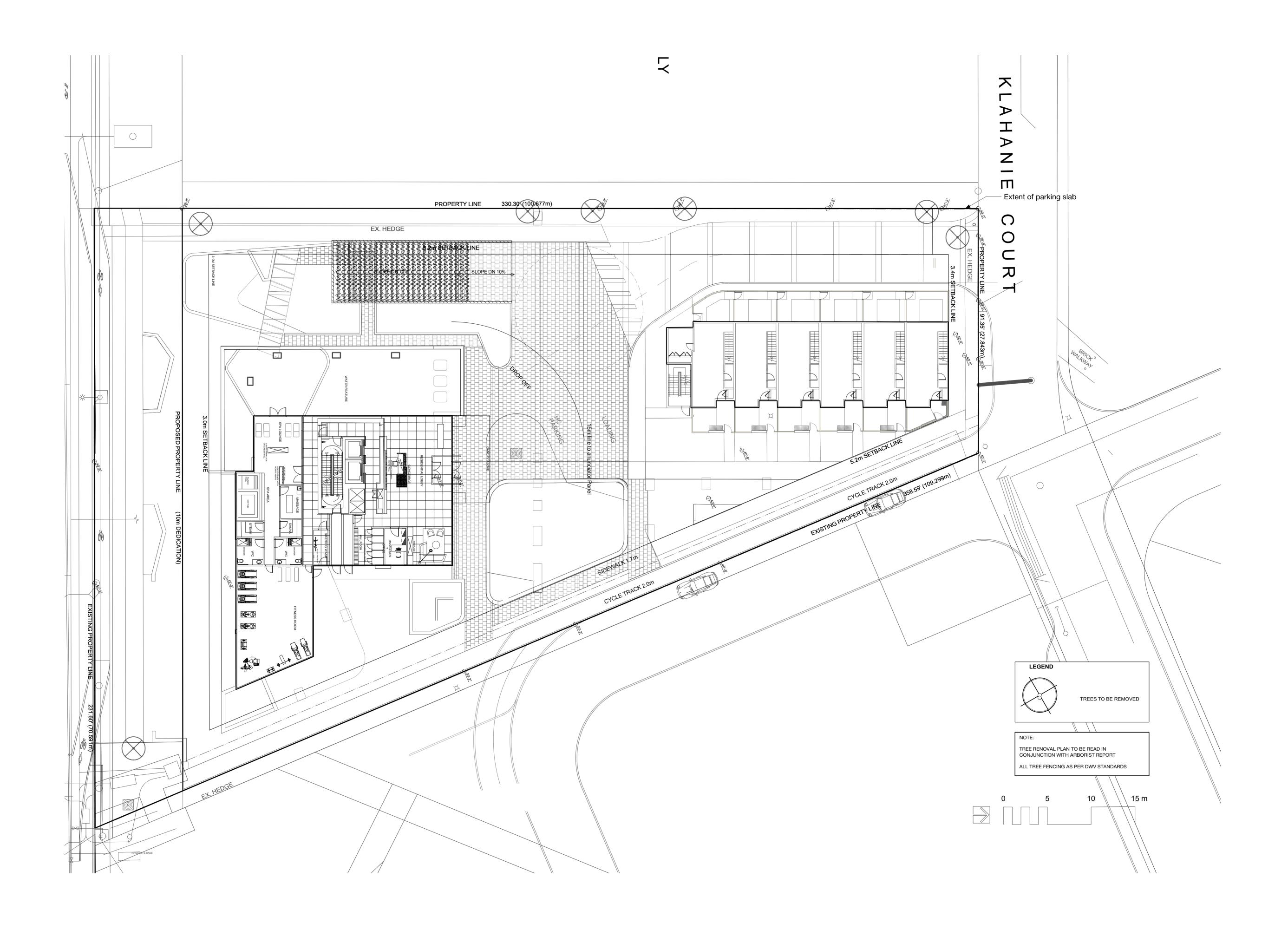
t | 604.683.1456 f | 604.683.1459 w | www.etala.com



t | 604.683.1456 f | 604.683.1459 w | www.etala.com All Rights Reserved by eta landscape architecture inc. Information contained on these documents is part of the Consultant's instruments of service, and the Consultant shall retain ownership thereof. Such information shall not be used for any purpose other than for the construction of the referenced project. Any other use, reuse or modification of the documents without the Consultant's prior written consent will be at the recipient's sole risk and without liability or legal exposure to the Consultant.

Site Plan

06/03/2015 Date: Mon, 2018 Jun 4 File name: 21429 303 Marine Master_Layout DP.vwx



eto landscape architecture 1690 West 2nd Avenue Vancouver . BC . Canada . V6J 1H3 t | 604.683.1456 f | 604.683.1459

w | www.etala.com

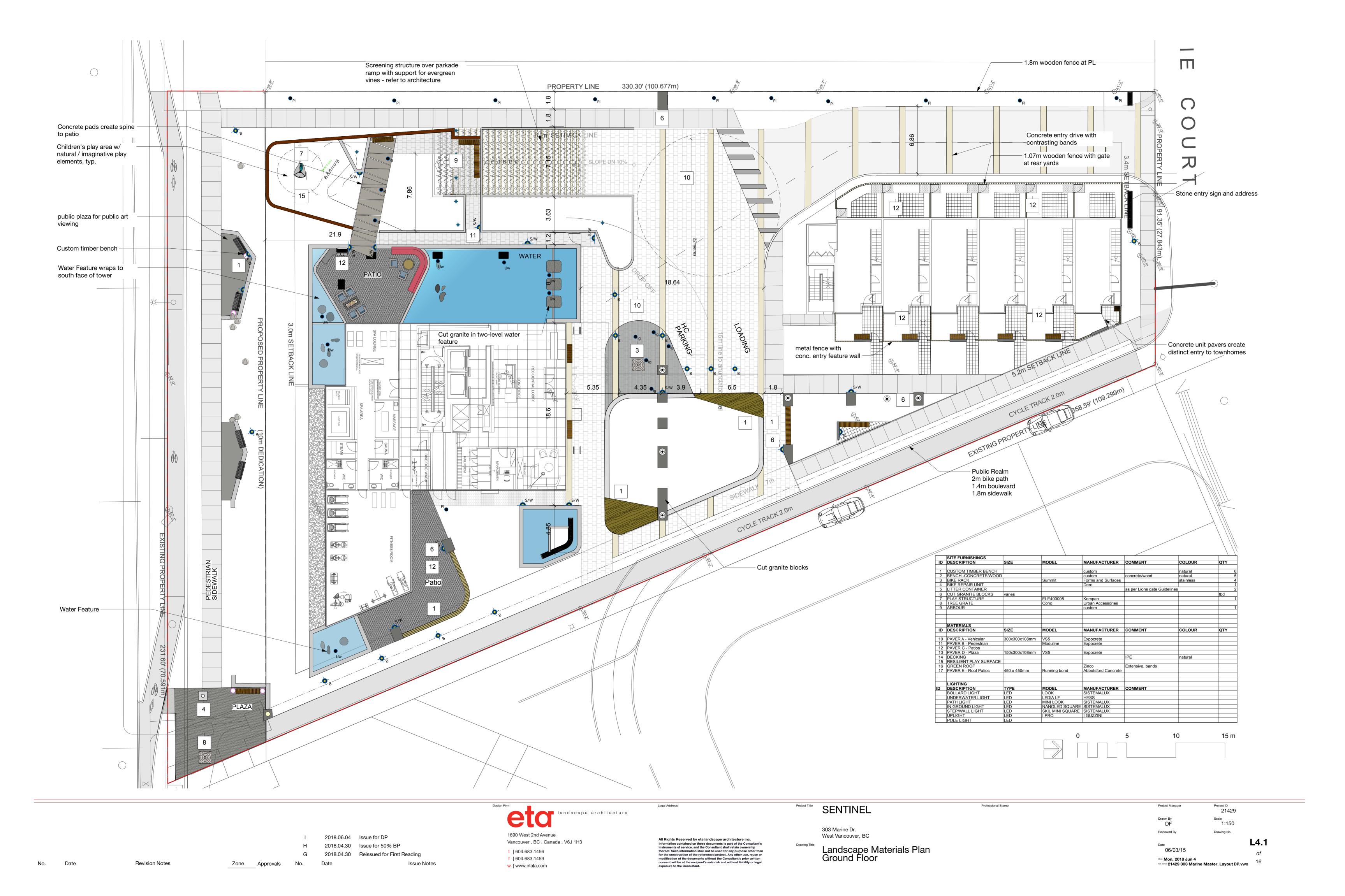
All Rights Reserved by eta landscape architecture inc. Information contained on these documents is part of the Consultant's instruments of service, and the Consultant shall retain ownership thereof. Such information shall not be used for any purpose other than for the construction of the referenced project. Any other use, reuse or modification of the documents without the Consultant's prior written consent will be at the recipient's sole risk and without liability or legal exposure to the Consultant.

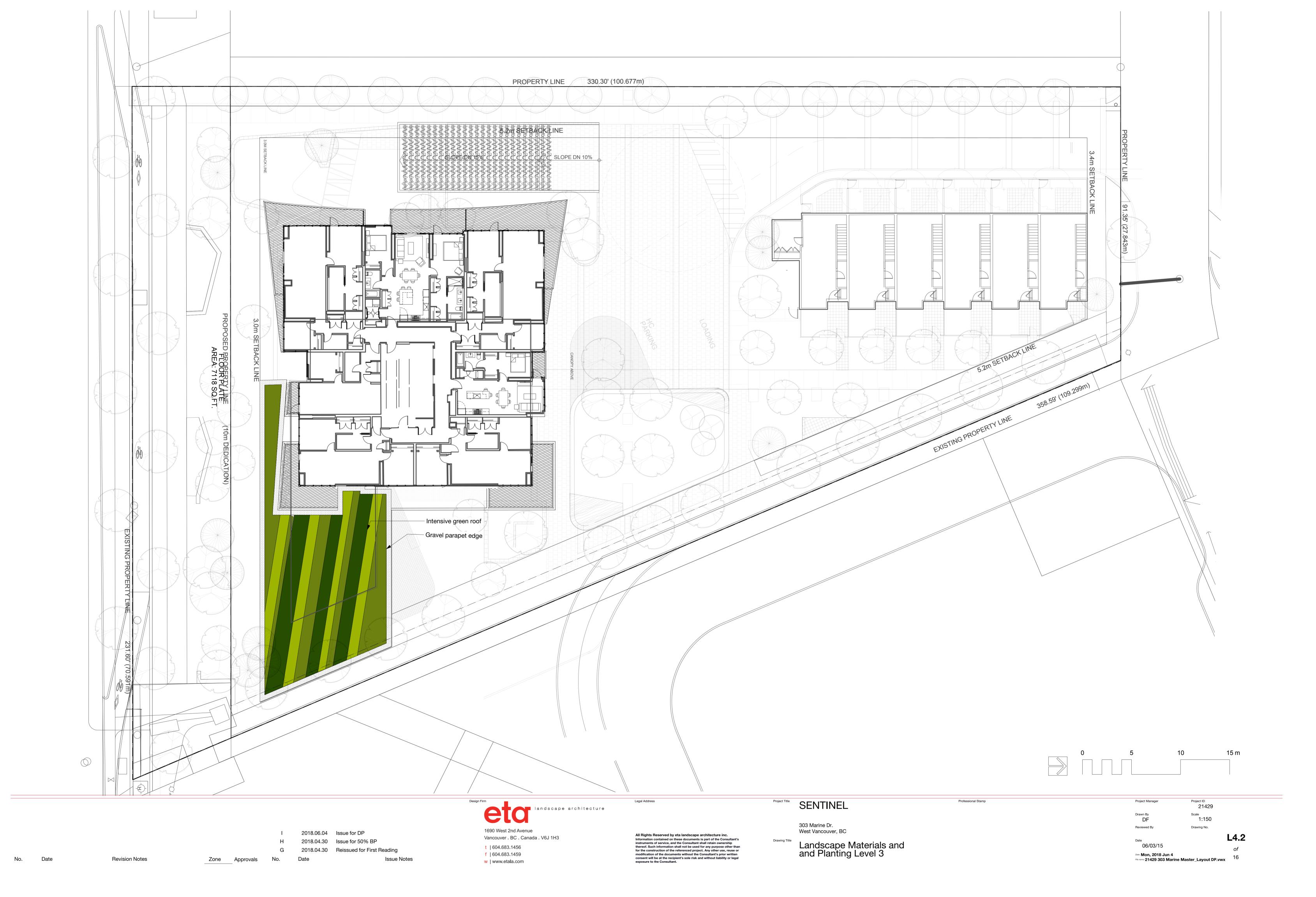
Project Title SENTINEL 303 Marine Dr. West Vancouver, BC Tree Management

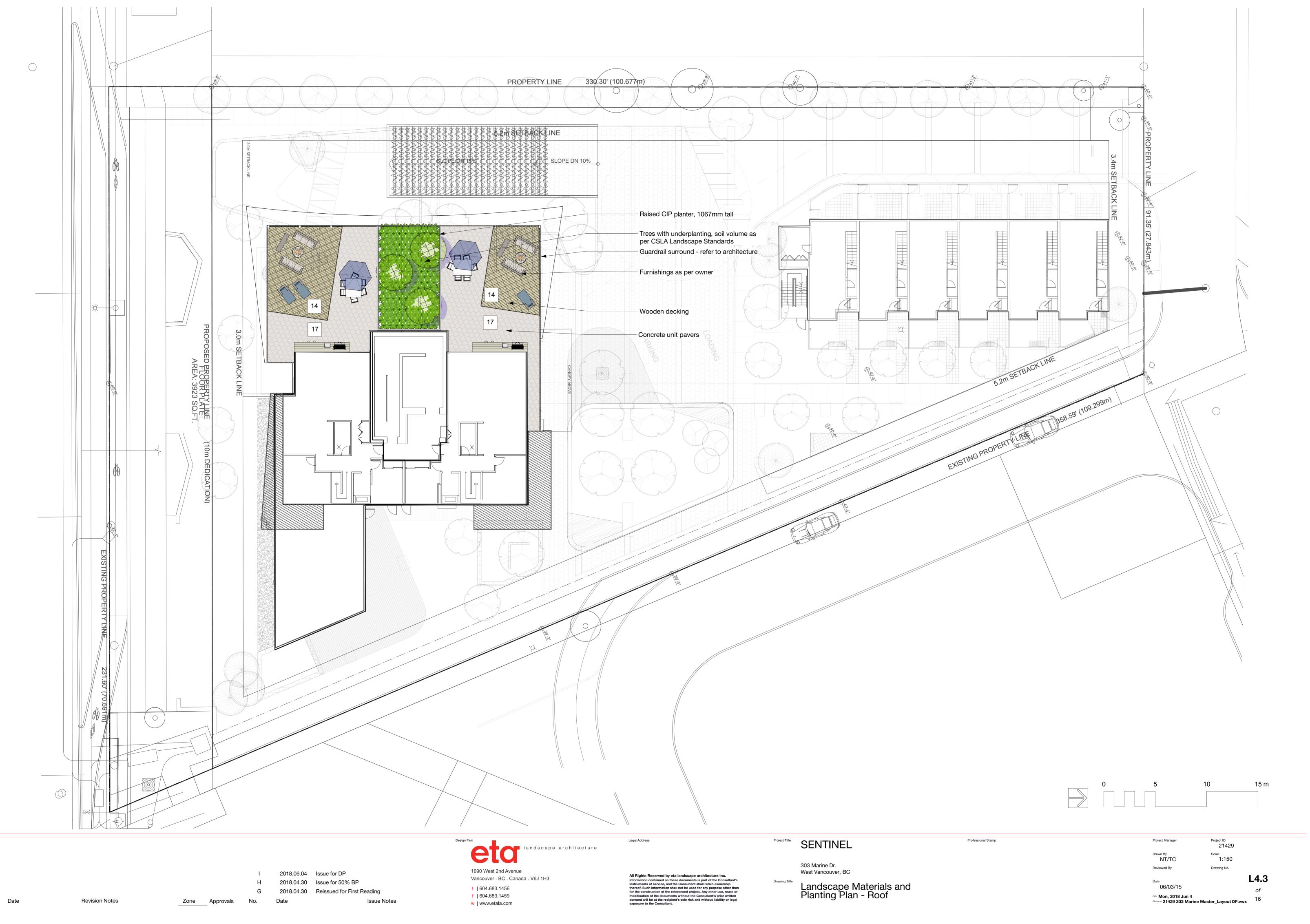
21429 Scale 1:150 Drawn By NT/TC 06/03/15 Date: Mon, 2018 Jun 4
File name: 21429 303 Marine Master_Layout DP.vwx



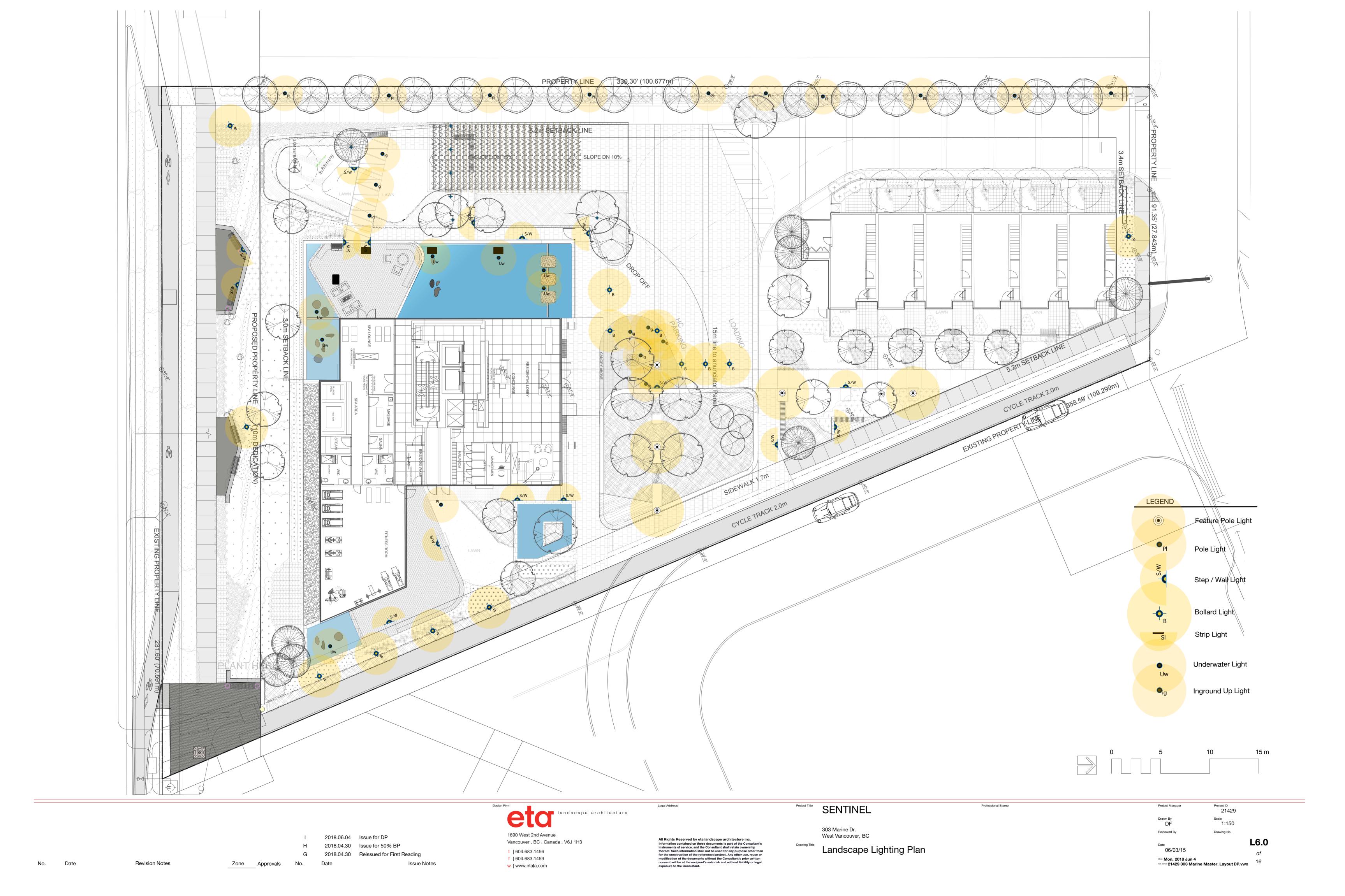


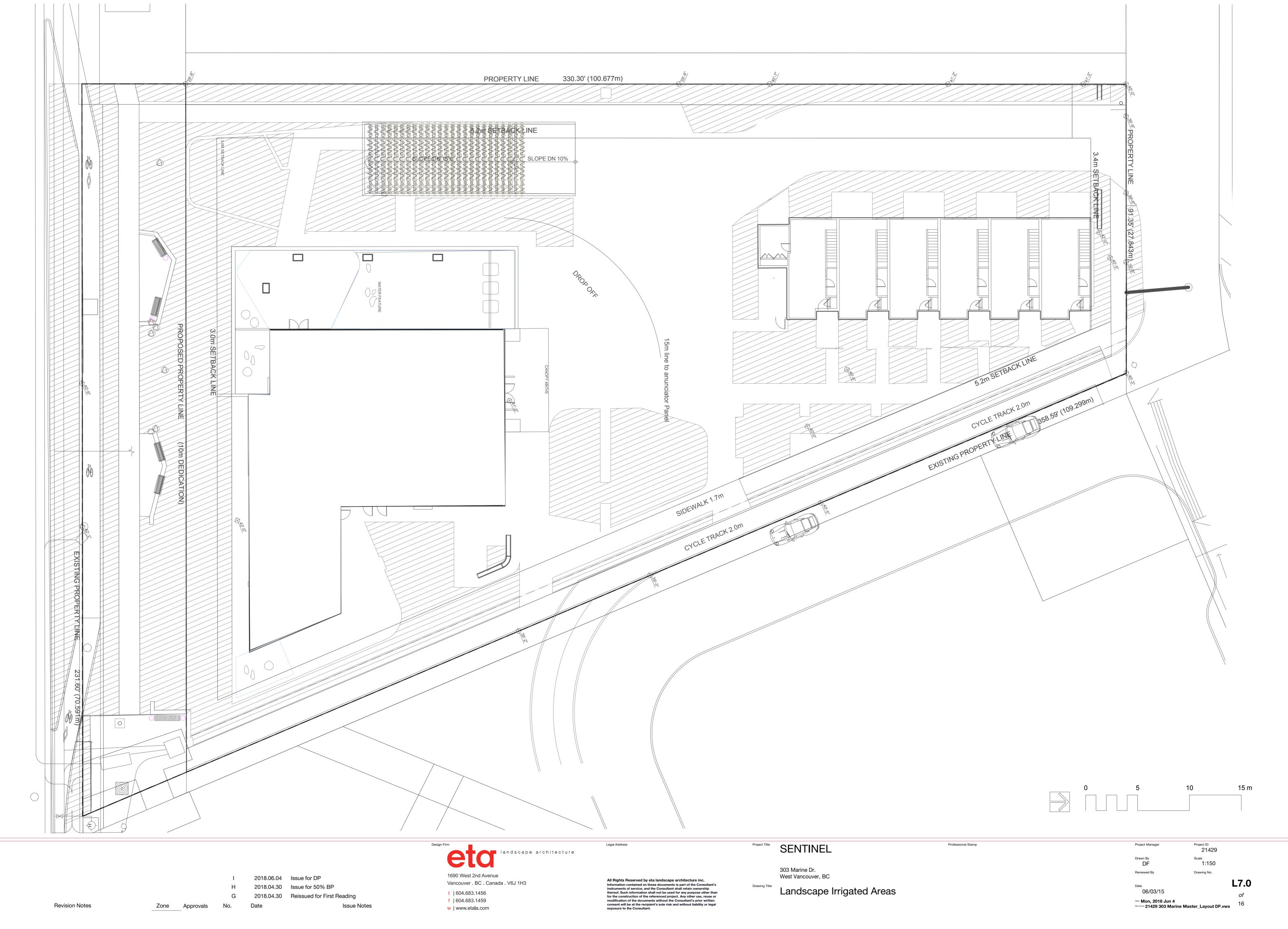


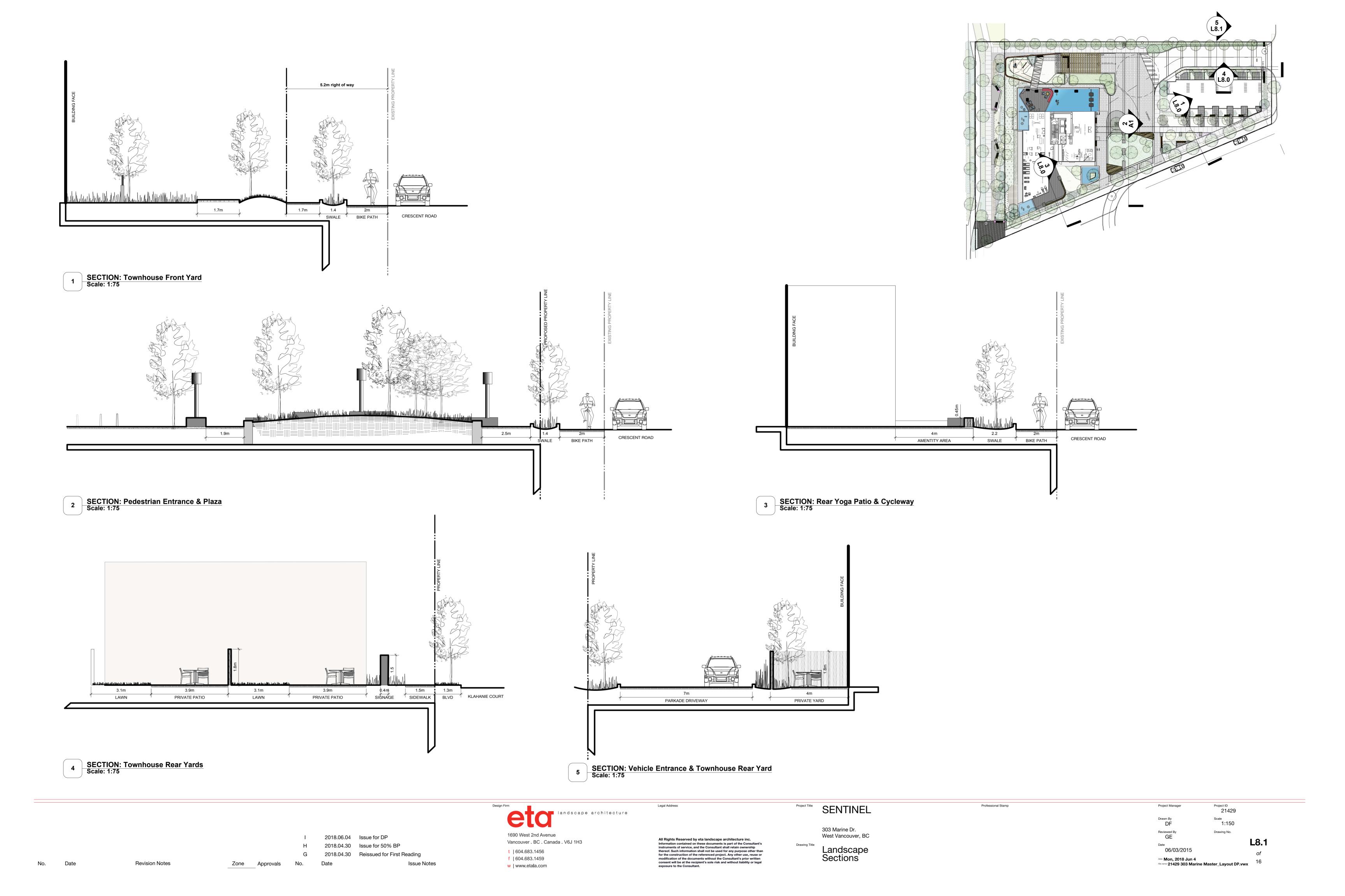


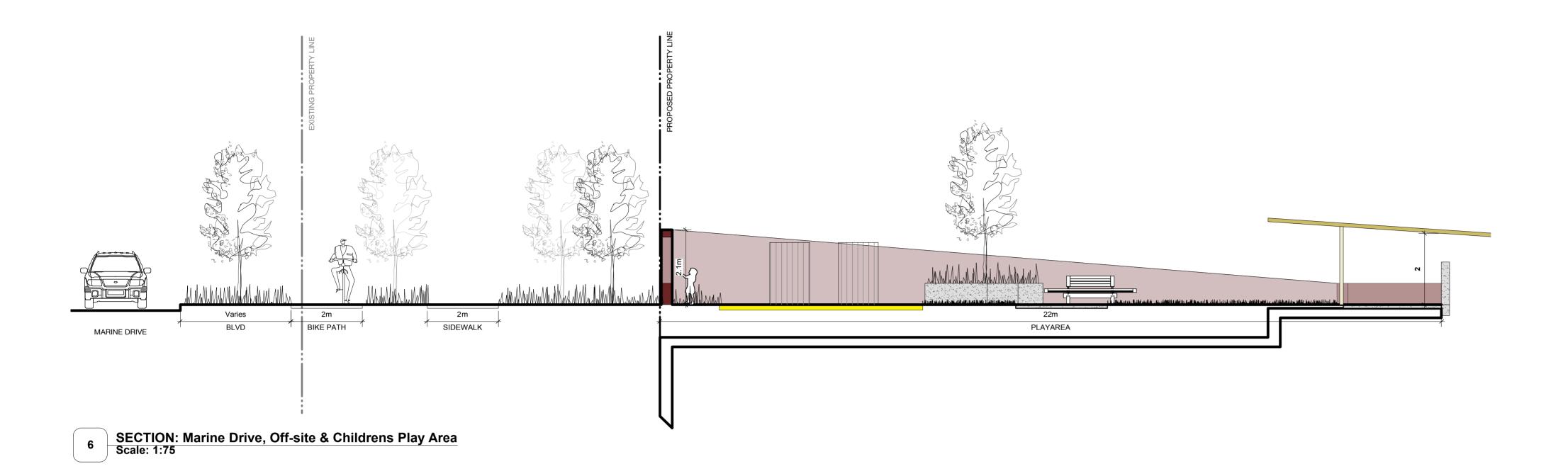


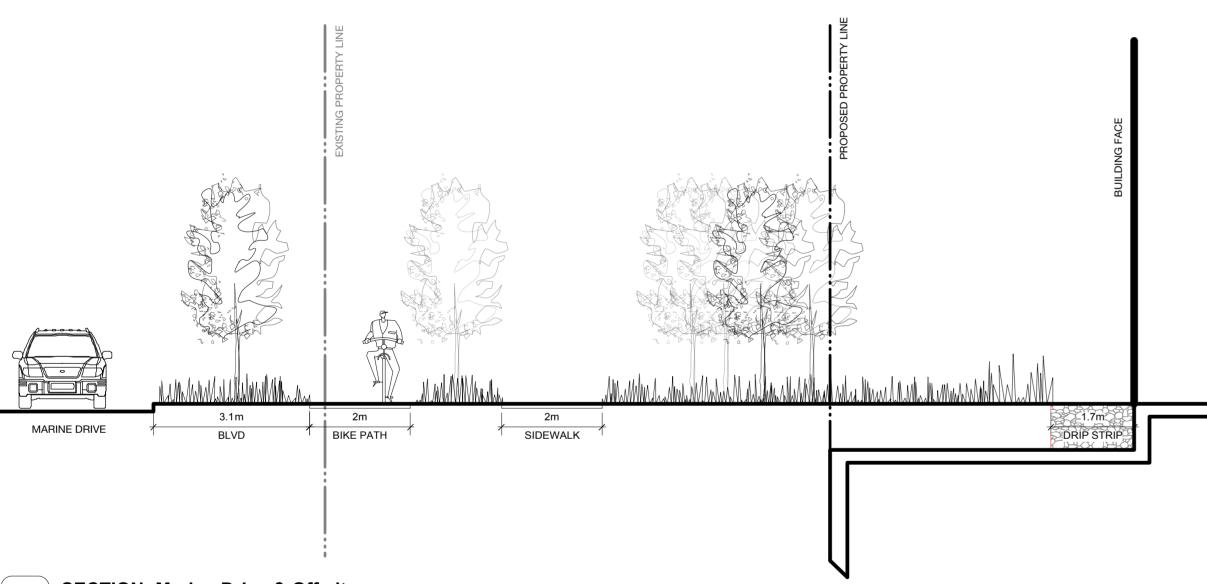


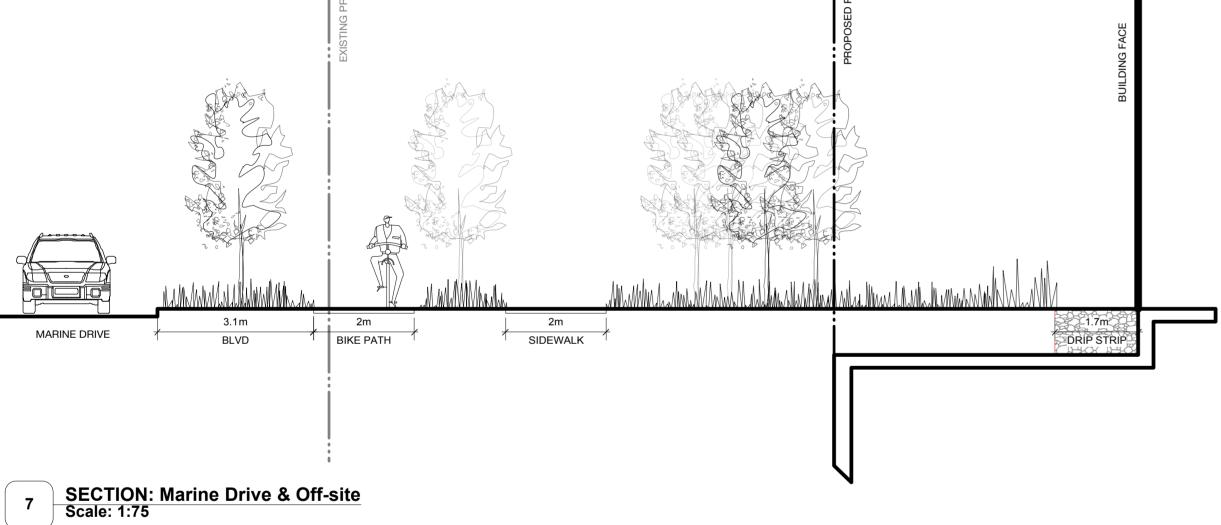












eta landscape architecture 1690 West 2nd Avenue Vancouver . BC . Canada . V6J 1H3

t | 604.683.1456

f | 604.683.1459

w | www.etala.com

All Rights Reserved by eta landscape architecture inc. Information contained on these documents is part of the Consultant's instruments of service, and the Consultant shall retain ownership thereof. Such information shall not be used for any purpose other than for the construction of the referenced project. Any other use, reuse or modification of the documents without the Consultant's prior written consent will be at the recipient's sole risk and without liability or legal exposure to the Consultant.

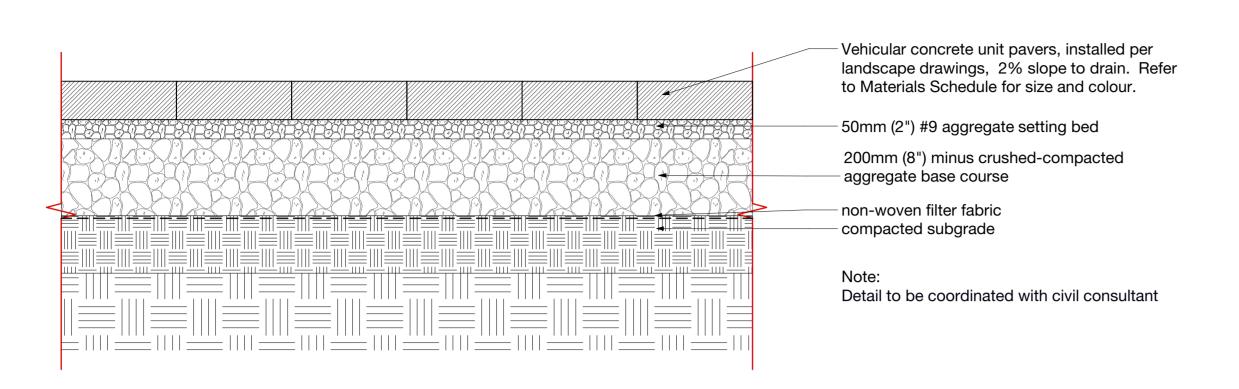
Legal Address

303 Marine Dr. West Vancouver, BC

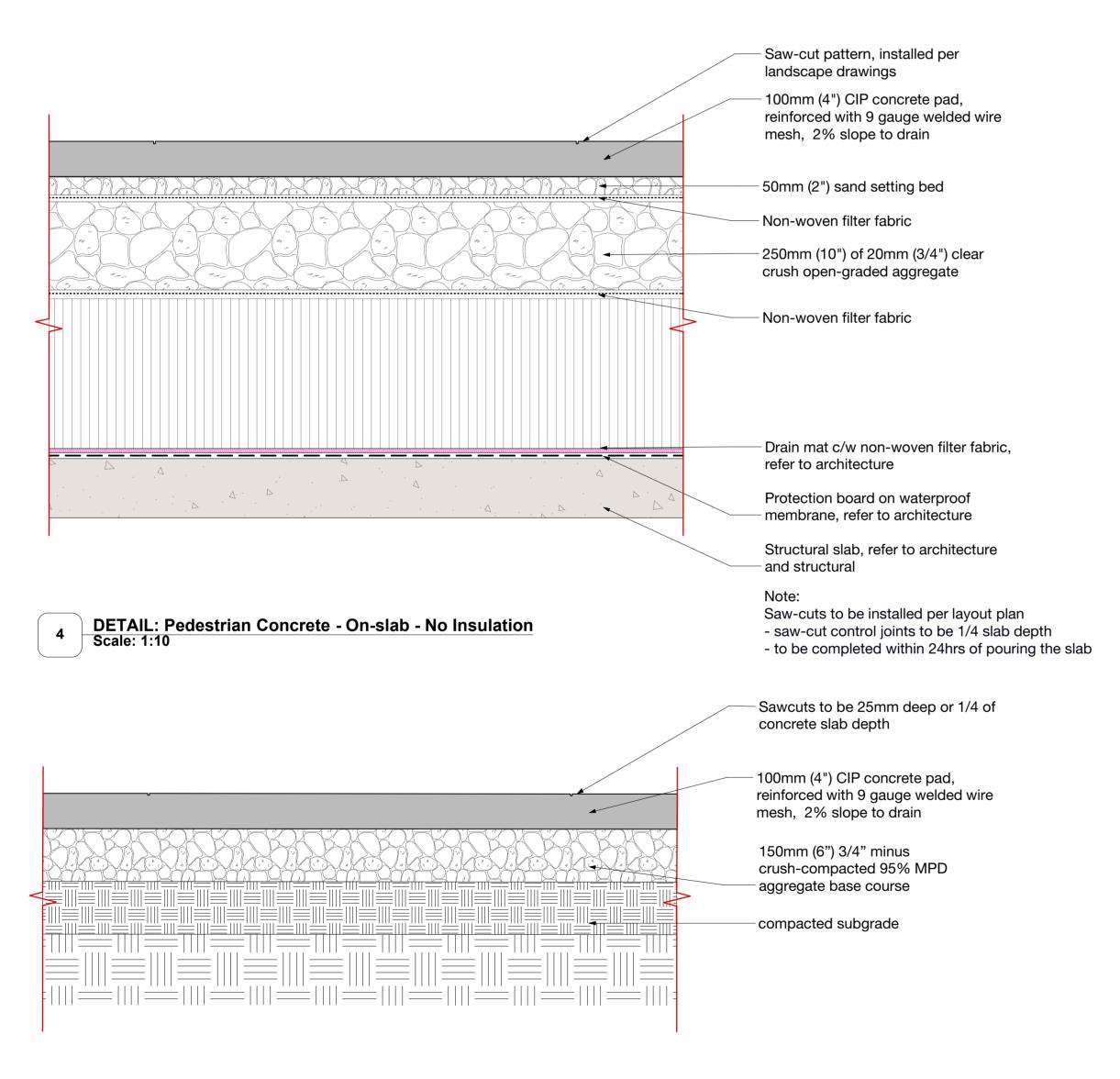
Project ID 21429 Scale 1:150 Drawn By Reviewed By **GE** Drawing No. Date 06/03/2015 Date: Mon, 2018 Jun 4
File name: 21429 303 Marine Master_Layout DP.vwx

Project Title SENTINEL

Professional Stamp



DETAIL: Vehicular Concrete Unit Paver - At Grade Scale: 1:10



DETAIL: Pedestrian Concrete - At Grade

2018.06.04 Issue for DP 2018.04.30 Issue for 50% BP 2018.04.30 Reissued for First Reading

landscape architecture 1690 West 2nd Avenue Vancouver . BC . Canada . V6J 1H3

All Rights Reserved by eta landscape architecture inc.

303 Marine Dr. West Vancouver, BC Landscape Details

- Concrete unit pavers, installed per landscape drawings, 2%

-250mm (10") of 20mm (3/4") clear crush open-graded

Void form material or approved

- Drain mat c/w filter fabric, refer

Protection board on waterproof _ membrane, refer to architecture

Structural slab, refer to _architecture and structural

architecture for specification

equivalent - depth varies, refer to

slope to drain

Filter fabric

aggregate

- Filter fabric

to architecture

decorative saw cut pattern at 1.5m c (5'0) installed as per landscape drawing 150mm min (6")concrete slab - reinforced as required with 9 gauge welded wire mesh, slope as per grading plan 150 mm min (6")of crushed granular base compacted to 95% modified proctor density 300mm min (12") select granular subbase compacted to 95% modified proctor density Concrete joints as per MMCD Standards: - Expansion joints c/w expansion joint material to be provided 9m MAX. o.c. and where structures such as wall, stairs and curbs meet concrete paving. - Control joints to be 1/4 thickness of slab provided at 3m MAX o.c. - Decorative saw-cut pattern to be installed per layout plan. - Saw-cuts to be completed within 24hrs of pouring the slab.

DETAIL: Vehicular Concrete - At Grade Scale: 1:10



DETAIL: Pedestrian Concrete Unit Pavers - On-slab - No Insulation Scale: 1:10

SENTINEL 21429 Scale 1:150 Drawn By NT/TC Drawing No. 06/03/15 Date: Mon, 2018 Jun 4 File name: 21429 303 Marine Master_Layout DP.vwx

Revision Notes Issue Notes Zone Approvals

t | 604.683.1456 f | 604.683.1459

w | www.etala.com

Information contained on these documents is part of the Consultant's thereof. Such information shall not be used for any purpose other than for the construction of the referenced project. Any other use, reuse or modification of the documents without the Consultant's prior written consent will be at the recipient's sole risk and without liability or legal

