CITY OF KELOWNA

MEMORANDUM

ATTACHMENT

DP18-0209

AC

Planner

Initials

This forms part of application

City of

Date: October 22, 2018

File No.: DP18-0209

To: Community Planning (AC)

From: Development Engineering Manager(JK)

Subject: 2175-85 Optic Ct. Form & Character

The Development Engineering Branch has the following comments and requirements associated with this Development Permit application. The road and utility upgrading requirements outlined in this report will be a requirement of this development. The Development Engineering Technologist for this project is Aaron Sangster.

1. Domestic Water and Fire Protection

- a) This development is within the service area of the Glenmore-Ellison Irrigation District (GEID). The developer is required to make satisfactory arrangements with GEID for these items. All charges for service connection and upgrading costs, as well as any costs to decommission existing services are to be paid directly to GEID.
- b) Design drawings must be reviewed by GEID prior to the City issuing the drawings for construction. Confirmation of their review must be provided to the City.

2. Sanitary Sewer

Our records indicate that this property is currently serviced with a 150mm-diameter sanitary sewer service but is missing an inspection chamber at property line. The developer's consulting mechanical engineer will determine the development requirements of this proposed development and establish the service needs. Only one service will be permitted for this development.

3. Storm Drainage

- a) The developer must engage a consulting civil engineer to provide a storm water management plan for this site which meets the requirements of the City Subdivision Development and Servicing Bylaw 7900. The storm water management plan must also include provision of lot grading plans, minimum basement elevations (MBE), if applicable, and provision of a storm drainage service and recommendations for onsite drainage containment and disposal systems
- b) Provide the following drawings:
 - i. A detailed Stormwater Management Plan for this development; and,
 - ii. An Erosion and Sediment Control Plan.

DP18-0209 2 -

4. Road Improvements

- a) Optic Ct. fronting this development has already been upgraded. No further upgrades are needed at this time.
- b) Landscaping drawings (offsite) are required to be submitted and reviewed.

5. <u>Development Permit and Site Related Issues</u>

- a) Direct the roof drains into onsite rock pits or splash pads
- b) Access is permitted from the lane only.
- c) Driveway must be reduced to onsite lane entrance width. Remove and replace existing letdown excess with curb/gutter, sidewalk, and landscaped boulevard.
- d) A MSU standard size vehicle must be able to manoeuvre onto and off the site without requiring a reverse movement onto public roadways. If the development plan intends to accommodate larger vehicles movements should also be illustrated on the site plan. Autoturn drawings are required in civil drawing submission.
- e) Developer must consolidate 2175 and 2185 Optic Ct. into one property.
- f) Retaining walls must confirm to City of Kelowna requirements.

6. <u>Electric Power and Telecommunication Services</u>

The electrical and telecommunication services to this building must be installed in an underground duct system, and the building must be connected by an underground service. It is the developer's responsibility to make a servicing application with the respective electric power, telephone and cable transmission companies to arrange for these services, which would be at the applicant's cost.

7. Geotechnical Report

Provide a comprehensive geotechnical report, prepared by a Professional Engineer competent in the field of geotechnical engineering to address the items below: NOTE: The City is relying on the Geotechnical Engineer's report to prevent any damage to property and/or injury to persons from occurring as a result of problems with soil slippage or soil instability related to this proposed subdivision.

The Geotechnical report must be submitted prior to submission of Engineering drawings or application for subdivision approval.

- (i) Area ground water characteristics, including any springs and overland surface drainage courses traversing the property. Identify any monitoring required.
- (ii) Site suitability for development.
- (iii) Site soil characteristics (i.e. fill areas, sulphate content, unsuitable soils such as organic material, etc.).
- (iv) Any special requirements for construction of roads, utilities and building structures.
- (v) Suitability of on-site disposal of storm water and sanitary waste, including effects upon adjoining lands.



- (vi) Slope stability, rock fall hazard and slippage including the effects of drainage and septic tank effluent on the site.
- (vii) Identify slopes greater than 30%.
- (viii) Top of bank assessment and location including recommendations for property line locations, septic field locations, building setbacks, and ground water disposal locations.
- viii) Recommendations for items that should be included in a Restrictive Covenant.
- ix) Any special requirements that the proposed subdivision should undertake so that it will not impact the bank(s). The report must consider erosion and structural requirements.
- x) Any items required in other sections of this document.
- xi) Recommendations for erosion and sedimentation controls for water and wind.
- xii) Recommendations for roof drains and perimeter drains.
- xiii) Recommendations for construction of detention or infiltration ponds if applicable.

8. Charges and Fees

- a) Development Cost Charges (DCC's) are payable.
- b) Fees per the "Development Application Fees Bylaw" include:
 - i) Survey Monument Fee: \$50.00 per newly created lot (HST exempt).
 - ii) Survey Monument, Replacement Fee: \$1,200.00 (GST exempt) only if disturbed.
 - iii) Engineering and Inspection Fee: 3.5% of construction value (plus GST) for all Offsite works only.

James Kay, P. Eng.
Development Engineering Manager

Planner Initials AC

DP18-0209

ATTACHMENT

This forms part of application

City of Kelowna

AS

Draft Development Permit DP18-0209



This permit relates to land in the City of Kelowna municipally known as

- Lot 11, District Lot 32 and Section 14, Township 23, ODYD, Plan EPP64961 located at 2175 Optic Ct, Kelowna, BC; and
- Lot 12, District Lot 32 and Section 14, Township 23, ODYD, Plan EPP64961 located at 2185 Optic Ct, Kelowna, BC;

The development has been approved subject to any attached terms and conditions, and to full compliance with the approved plans bearing the stamp of approval and the above described development permit number.

The present owner and any subsequent owner of the above described land must comply with any attached terms and conditions.

Date of Decision: _____, 2018

Decision By: CITY COUNCIL

<u>Issued Date:</u> DATE

<u>Development Permit Area:</u> Comprehensive Development Permit Area

File Manager: AC

This permit will not be valid if development has not commenced within 2 years of the council approved Date of Decision.

Existing Zone: CD15 – Airport Business Park (IND) Future Land Use Designation: IND – Industrial

This is NOT a Building Permit.

In addition to your Development Permit, a Building Permit may be required prior to any work commencing. For further information, contact the City of Kelowna, Development Services Branch.

NOTICE

This permit does not relieve the owner or the owner's authorized agent from full compliance with the requirements of any federal, provincial or other municipal legislation, or the terms and conditions of any easement, covenant, building scheme or agreement affecting the building or land.

Owner: Birchwood Heights Holding Corp

Address:

City:

Phone: n/a

Rvan Smith, Community Planning Department Manager Date

Ryan Smith, Community Planning Department Manager Community Planning & Strategic Investments

Date

1. SCOPE OF APPROVAL

This Development Permit applies to and only to those lands within the Municipality as described above, and any and all buildings, structures and other development thereon.

This Development Permit is issued subject to compliance with all of the Bylaws of the Municipality applicable thereto, except as specifically varied or supplemented by this permit, noted in the Terms and Conditions below.

The issuance of a permit limits the permit holder to be in strict compliance with regulations of the Zoning Bylaw and all other Bylaws unless specific variances have been authorized by the Development Permit. No implied variances from bylaw provisions shall be granted by virtue of drawing notations that are inconsistent with bylaw provisions and that may not have been identified as required Variances by the applicant or Municipal staff.

2. CONDITIONS OF APPROVAL

- a) The dimensions and siting of the building to be constructed on the land be in accordance with Schedule "A";
- b) The exterior design and finish of the building to be constructed on the land be in accordance with Schedule "B";
- c) Landscaping to be provided on the land be in accordance with Schedule "C"; and
- d) The applicant be required to post with the City a Landscape Performance Security deposit in the form of a "Letter of Credit" in the amount of 125% of the estimated value of the landscaping, as determined by a Registered Landscape Architect.

This Development Permit is valid for two (2) years from the Council Date of Decision if applicable, or Community Planning Department Manager approval, with no opportunity to extend.

3. PERFORMANCE SECURITY

As a condition of the issuance of this Permit, Council is holding the security set out below to ensure that development is carried out in accordance with the terms and conditions of this Permit. Should any interest be earned upon the security, it shall accrue to the Developer and be paid to the Developer or his or her designate if the security is returned. The condition of the posting of the security is that should the Developer fail to carry out the development hereby authorized, according to the terms and conditions of this Permit within the time provided, the Municipality may use enter into an agreement with the property owner of the day to have the work carried out, and any surplus shall be paid over to the property own of the day. Should the Developer carry out the development permitted by this Permit within the time set out above, the security shall be returned to the Developer or his or her designate. There is filed accordingly:

- a) A Certified Cheque in the amount of \$131,151.25 OR
- b) An Irrevocable Letter of Credit in the amount of \$131,151.25

Before any bond or security required under this Permit is reduced or released, the Developer will provide the City with a statutory declaration certifying that all labour, material, workers' compensation and other taxes and costs have been paid.

4. Indemnification

Upon commencement of the works authorized by this Permit the Developer covenants and agrees to save harmless and effectually indemnify the Municipality against:

a) All actions and proceedings, costs, damages, expenses, claims, and demands whatsoever and by whomsoever brought, by reason of the Municipality said Permit.

All costs, expenses, claims that may be incurred by the Municipality where the construction, engineering or other types of works as called for by the Permit results in damages to any property owned in whole or in part by the Municipality or which the Municipality by duty or custom is obliged, directly or indirectly in any way or to any degree, to construct, repair, or maintain.

The PERMIT HOLDER is the <u>CURRENT LAND OWNER</u>. Security shall <u>ONLY</u> be returned to the signatory of the Landscape Agreement or their designates.



WEST ELEVATION

Building 1 ELEVATIONS

SHEET A5

HUCULIAK

MQN





SHEET A6





WEST ELEVATION

Building 3 ELEVATIONS

SHEET A7







Existing Heights are Approximated



East Elevation of Site - View From Hwy 97







View from Optic Court





View from Optic Court









View from Hwy 97



View from Parking Lot









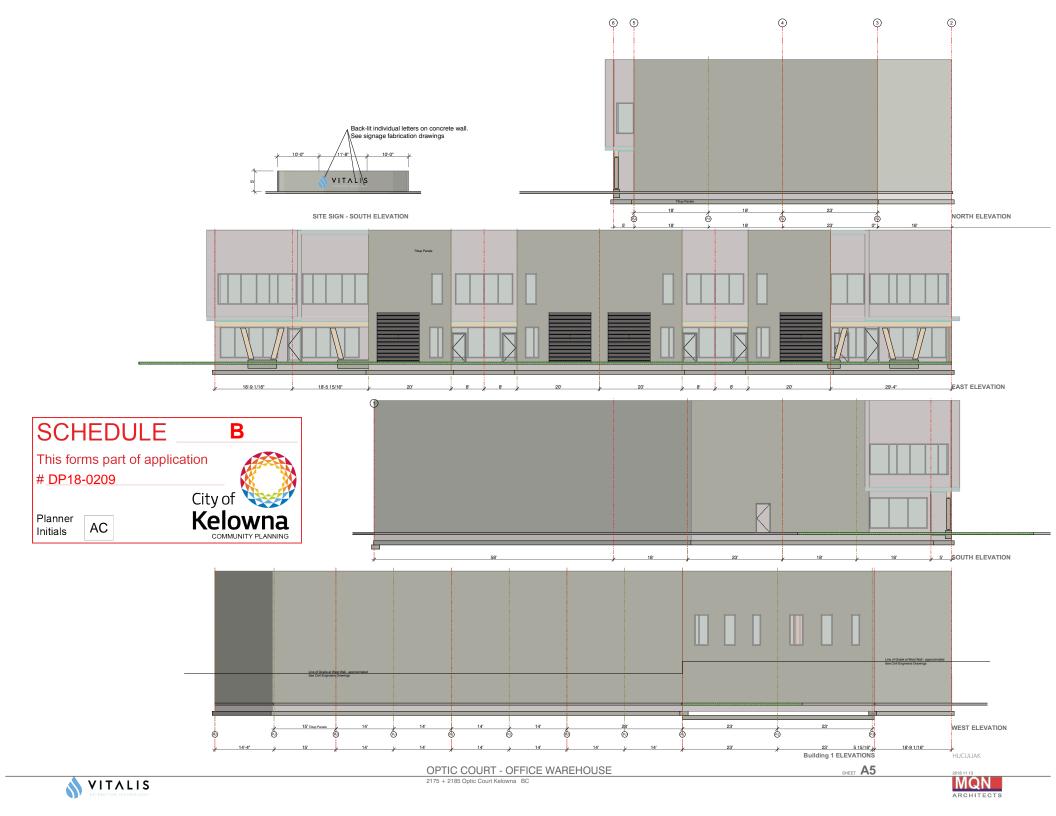
View from Optic Court



View from Parking Lot

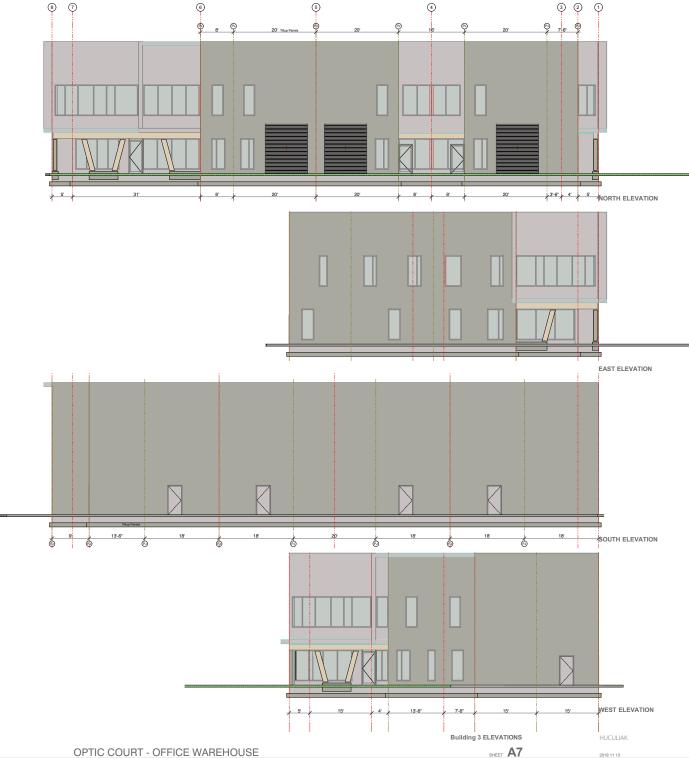


MQN





VITALIS











2185 + 2175 Optic Court Kelowna BC

2185 + 2175	Optic Court Kelowna	ВС
Zoning Summ	nary	

Current Zoning	CD15IN		
Description Site	Permitted/Required/Allowable	Provided	
Lot address 2185			
Lot address 2185 Lot address 2175			43,064.56 sf 44.381.74 sf
Total		4,123.1 m2 8,123.8 m2	
Building 1 Lot addre	ss 2185		
Main Floor		1.588.0 m ₂	17.095 sf
Second Floor Mezza	nine	34 m2	369 sf
Building 2 Lot addre	ss 2175		
Main Floor		1.335.0 m ₂	14.367 sf
Second Floor		537 m2	5.780 sf
Building 3 Lot addre	ss 2175		
Main Floor		855.9 m ₂	9,213 sf
Second Floor		0 m2	0 sf
Main Floor Total		3,778.0 m ₂	40,675 sf
Total Net Main	and Second Floors (approx.)	4,092.0 m ₂	44,048 sf
Total Gross		4,350.0 m ₂	46,824 sf
F.A.R.	1:1.5	1:0.54	
Height	18.0m or 4 storeys	8m	27" / 2 storeys
Front Yard	6.0m	6.0m	20"
Side Yard	0.0m 6.0 adjacent zone 4.5m fanking street	0.0m 6.0 aque	estable 4.5m failing over
Rear Yard	0.0m 6.0 adjacent zone 4.5m fanking street	0.0m 6.0 aque	estable 4.5m failing over
Side Yard @ HWY 97	7.0m 23'	7.0m	23'
	Stalls	Stalls	
Parking 2.0 state per 100no		87	
Bicycle	Class I 8	8	
	Class II 23		



VITALIS

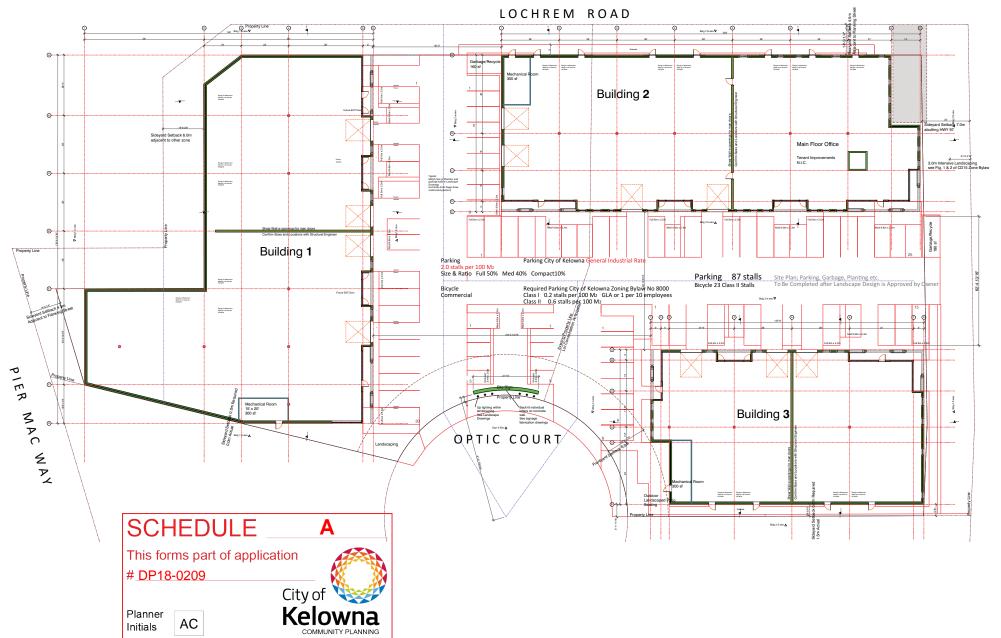
Google Satelite Image of Subject Property

Phildres, some two-wave special adjacents and adjacentice.

adjacentice.

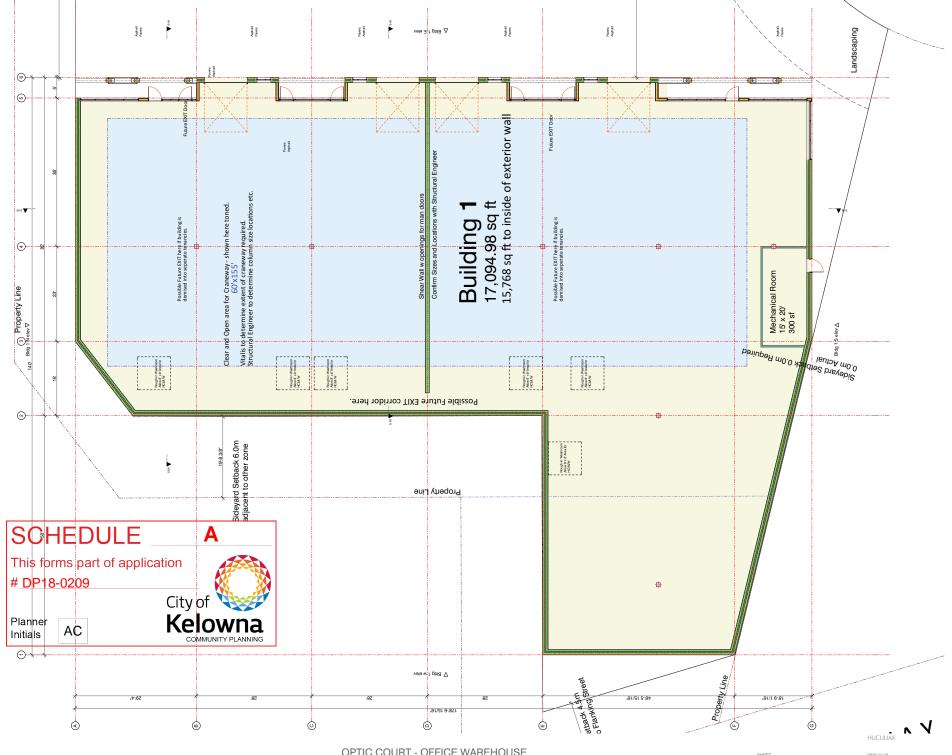
provides adjacents outdoor landscaped patis seating areas for tenants and visitors while newly access to the site will be entensively landscaped, with freestanding site signage, designed to create a visually pleasing forminists to Optic Count.

Site Access - Two drive aisle entries ease flow to and from the property.

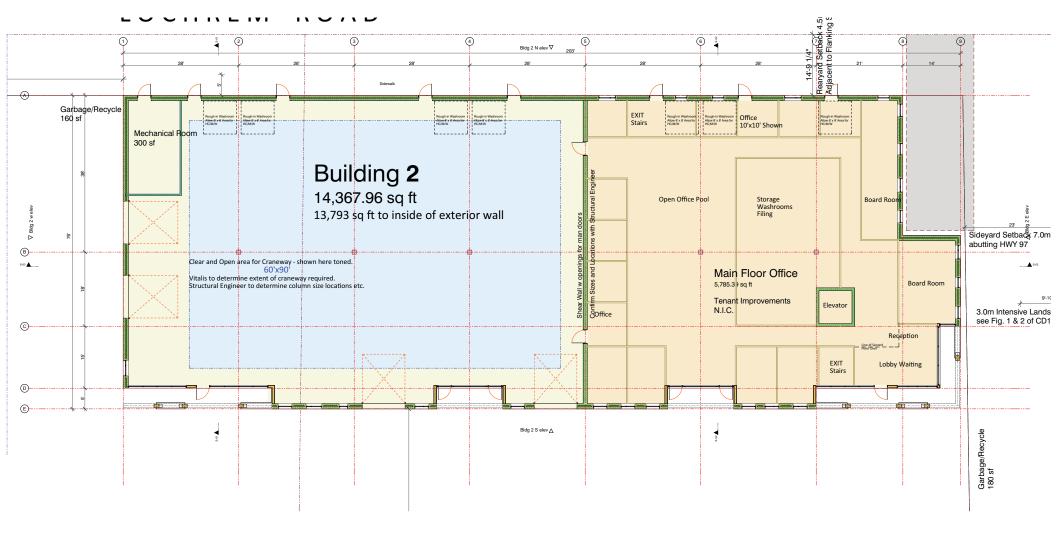


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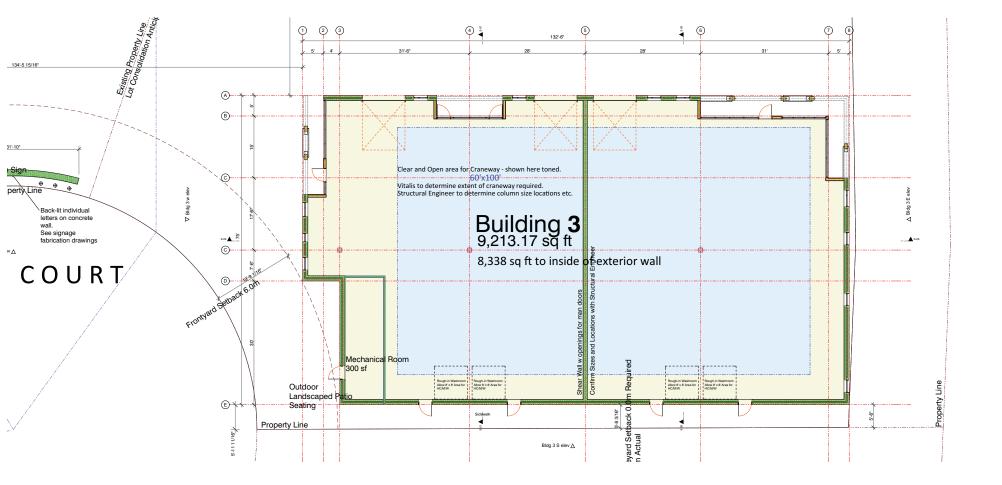


















IRRIGATION APPLICATION

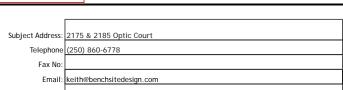
APPLICATION IDENTIFICATION

Owner

Agent if applicable: Brian Quiring

Planner	
Initials	AC

kelowna.ca



LAN Note:

Title: Coordinating Professional

Company: BENCH Site Design Inc.		Email:	esign.com					
City: Kelowna		Mailing Address:	4 -1562 Water Str	eet, Kelowna BC				
Province BC Postal Code: V1Y 1J7								
LANDSCAPE WA	ATER CONSERVATION CHECKLIST							
Note: all boxes are to b	e checked - see instruction page							
\boxtimes	Install Backflow prevention devices to meet City of Kelowna standards to isolate the outdoor irrigation system from the potable water system.							
\boxtimes	Group planting into 'hydrozones' of high, medium and low water-use plants or unirrigated/unwatered areas.							
\boxtimes	Minimize mown turf areas that are high water use areas - ideally to 50% of the meadow, mulch, spaced wood deck, pervious paving.	landscape area or less - subs	titute with areas o	f lower water use treatments like unwatered native woods or				
	Povide adequate topsoil or growing medium of depth and quality to meet the B Association. General minimum depths over poor subsoils are 150mm for lawn as			ciety of Landscape Architects and the BC Landscape and Nursery				
	Group irrigation circuits/zones into 'hydrozones' of high, medium, and low or using ated hydrozone.	unirrigated areas consistent v	vith the landscape	planting plan. Provide a separate irrigation valve for each				
\boxtimes	Minimize use of high-volume spray heads, and employ drip or low volume irriga	tion where practical.						
\boxtimes	When spray or rotor irrigation is used, design and install head to head coverage in accordance with manufacturer's specifications, and avoid overspray outside landscape areas.							
\boxtimes	Ensure matched precipitation rates within all irrigation circuits.							
\boxtimes	Design and install pipe and head layout so flow velocity does not exceed 1.5 m, drainage.	/s, and to minimize elevation	ı change or pressul	re variation in circuits. Provide check valves to stop low head				
\boxtimes	Ensure irrigation mainlines are proved leak-free with hydrostatic tests.							
\boxtimes	Provide pressure regulating devices to ensure irrigation outlets are operating a	t the manufacturer's optimur	n pressure range.					
	Install - and program to minimize water use - 'Smart Controllers' to meet stand	dards of the City of Kelowna	Nater Regulation B	iylaw.				
\boxtimes	Install an irrigation master shut-off valve (isolation valve) located outside the towater supply to the outdoor irrigation system and shall be capable of being closest control to the capable of being closes			when closed shall stop the supply of water from the potable				
Applicant Notes on the	Landscape Water Conservation Checklist:							



This forms part of application



IRRIGATION APPLICATION

LANDSCAPE WATER CONSERVATION TABLE

AC

kelowna.ca

Address: 4-1562 Water Street, Kelowna BC V1Y 1J7

Step 1: Measure Total Landscape Area (LA)

Area of site that will absorb water:

Applicant: BENCH Site Design Inc.

2106

Note: INCLUDE BOULEVARD, and proposed lawn, plants, mulch, PERVIOUS decks or paving. Do not include building areas, driveways, patios, decks or walks unless pervious

Step 2: Divide Into Landscape Treatments*		Plant Factor	Irrig Efficiency	Hydrozone Area (Sq.m.)	% of Total LA	Estimated Water Use (cu.m.)
Note: each of the areas below are a 'HYDROZONE'		(PF)	(IE)	(HA)		(WU)
Unwatered Pervious Areas (not impervious	paving)					
Mulch (Stone, bark or sand)		N/A	N/A	97	5%	N/A
Pervious deck (Spaced wood deck)		N/A	N/A	0	0%	N/A
Pervious paving (Permeable Pavers)		N/A	N/A	621	29%	N/A
Naturalized meadow (wildflowers)		N/A	N/A	0	0%	N/A
Naturalized area (Existing natural area)		N/A	N/A	0	0%	N/A
Other: Restoration Area		N/A	N/A	808	38%	N/A
Swimming or ornamental pool		1	1	0	0%	0
Watered Planting Beds (shrubs or groundco	/er)					
Planting Type	Irrig Efficiency					
Low water use plants	High (Drip or Bubbler)	0.3	0.9	0	0%	0
Low water use plants	Low (Spray orRotor)	0.3	0.7	0	0%	0
Moderate water use plants	High (Drip or Bubbler)	0.5	0.9	580	28%	322
Moderate water use plants	Low (Spray orRotor)	0.5	0.7	0	0%	0
High water use plants	High (Drip or Bubbler)	0.7	0.9	0	0%	0
High water use plants	Low (Spray orRotor)	0.7	0.7	0	0%	0
Watered Mown Lawn Areas	Low	1	0.7	0	0%	0
Special Landscape Areas (SLA)						
Vegetable Garden	High (Drip or Bubbler)	1	0.9	0	0%	0
Vegetable Garden	Low (Spray orRotor)	1	0.7	0	0%	0
Sports Lawn	Low (Spray orRotor)	1	0.7	0	0%	0
Rainwater or Recycled Water Use		0.3	1	0	0%	0
Table				2404	1000	222
Totals Special Landscape Area (SLA) Sub total				2106	100%	322

^{*}If proposed design conditions are not shown on the form please contact Water Smart at 250-868-3339



1435 Water Street Kelowna, BC V1Y 1J4 250 469-8500 kelowna.ca

IRRIGATION APPLICATION

Page 3 of 3

CALCULATE & COMPARE WATER BUDGET TO ESTIMATED WATER USE

NOTE: Post Signed and approved application at Smart Controller for future reference

Note: For Evapotranspiration (ETo) in Kelowna use 10	00mm/yr	Amount	Units	
Total Landscape Area		2106	sq.m.	
Landscape Maximum Water Budget (WB) Estimated Landscape Water Use (WU) Under (-OVER) Budget (Must be under Water Budget WB)		2106 322 1,784 OK	cu.m./yr. cu.m./yr. cu.m./yr.	
	d 'Landscape Water Conservation Checklist' above, that the e landscape treatments of the project will conform to the H			
Signature of Applicant				
FOR CITY OF KELOWNA OFFICE USE ONLY				
The Irrigation Application and calculations above satisfy the designate.	e requirements of the Water Regulation Bylaw 10480 Section	4.4.2 and 4.4.3.	and is hereby APPROVE	ED with the signature of the Water Manager or
Signature of Kelowna Water Smart designate For Water Manager			Date:	
Print Name				

SCHEDULE	С
This forms part of applic	ation
# DP18-0209	🐼 💥
	City of
Planner Initials AC	Kelowna COMMUNITY PLANNING



October 17, 2018

City of Kelowna 1435 Water Street Kelowna, B.C. V1J 1J4



Attention: Community Planning & Real Estate Division

Project: Optic Court Office Warehouse

Please be advised that a landscape security bond of \$131,151.25 will be required for the Optic Court Office Warehouse project. This sum is equal to 125% of the estimated installed cost for all soft landscape. As per City of Kelowna requirements, the estimate includes trees, shrubs, grasses, perennials, restoration planting, topsoil, mulch, irrigation and bike racks. Please see the attached Estimate of Probable Costs for a detailed breakdown of these costs.

Should you require any additional information, please do not hesitate to contact me.

Sincerely,

Keith Nyhof, BCSLA, CSLA

Registered Landscape Architect

СС

Brian Quiring - MQN Architects

Steve Huculiak - Huculiak Artist Designer



SCHEDULE C This forms part of application # DP18-0209 City of Planner Initials AC Kelowna COMMUNITY PLANNING

Optic Court Office Warehouse

Estimate of Probable Costs of Construction for Bonding

Prepared on: October 17, 2018

tems Description	Units	Qty.	Price	Item Total
1.0 Plant Material				
1.1 Trees				
1.1.1 6cm Cal.: Deciduous Shade Tree	ea.	23	\$550.00	\$12,650.00
1.1.2 1.8m Ht.: Coniferous Ornamental Tree	ea.	2	\$450.00	\$900.00
1.1.3 1.2m Ht.: Deciduous Ornamental Tree	ea.	8	\$400.00	\$3,200.00
1.1.4 1.2m Ht.: Coniferous Restoration Tree	ea.	11	\$250.00	\$2,750.00
			Sub-Total	\$19,500.00
1.2 Shrubs, Perennials, Ground Covers				
1.2.1 #2 Pot: Shrubs (1.2m O.C.)	ea.	232	\$35.00	\$8,120.00
1.2.2 #1 Pot: Grasses (0.6m O.C.)	ea.	484	\$20.00	\$9,680.00
1.2.3 #1 Pot: Perennials (0.75m O.C.)	ea.	297	\$15.00	\$4,455.00
			Sub-Total	\$22,255.00
1.3 Restoration Shrubs, Perennials, Grasses				
1.3.1 Plugs: Shrubs, Perennials & Grasses (1 Plug/3m ²)	ea.	269	\$5.00	\$1,345.00
			Sub-Total	\$1,345.00
1.4 Hydroseed				
1.4.1 Hydroseed	m²	808	\$2.00	\$1,616.00
			Sub-Total	\$1,616.00
			1.0 Total	\$44,716.00
2.0 Topsoil & Mulch				
2.1 Topsoil				
2.1.1 Shrub Bed + Planter Topsoil (450mm Depth)	m ³	261	\$55.00	\$14,355.00
2.1.2 Tree Topsoil (1m³/Tree)	m ³	33	\$55.00	\$1,815.00
2.1.3 Restoration Planting Area Topsoil (50mm Depth)	m ³	40	\$45.00	\$1,800.00
2.1.4 Restoration Area Tree Topsoil (1m³/Tree)	m ³	11	\$45.00	\$495.00
			Sub-Total	\$18,465.00
2.2 Mulch & Rock				
2.2.1 Ogogrow Mulch (75mm Depth)	m ³	43	\$65.00	\$2,795.00
2.2.2 Cobble Mulch Maintenance Strip (100mm Depth)	m ³	10	\$75.00	\$750.00
			Sub-Total	\$3,545.00
			2.0 Total	\$22,010.00
3.0 Servicing				
3.1 Irrigation				
3.1.1 Sleeving	l.s.	1	\$2,500.00	\$2,500.00
3.1.2 Point of Connection (Water + Electrical)	l.s.	1	\$2,000.00	\$2,000.00
3.1.3 Control System	l.s.	1	\$1,500.00	\$1,500.00
3.1.4 Irrigation system (heads, pipes, valves)	m ²	613	\$15.00	\$9,195.00
3.1.5 Establishment irrigation (heads, pipes, valves)	l.s.	1	\$5,000.00	\$5,000.00
			Sub-Total	\$20,195.00
			3.0 Total	\$20,195.00

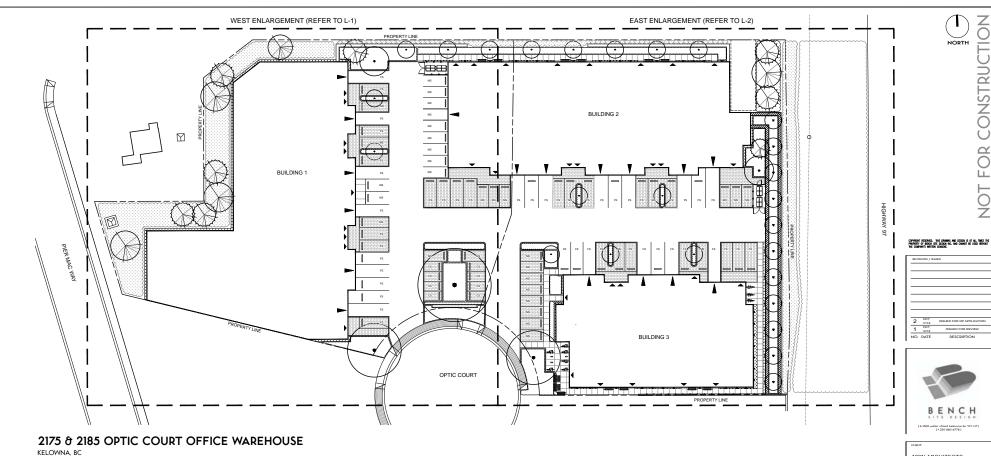


4.0 Site Construction

4.1 Site Furniture

4.1.1 Bike Racks	ea.	12	\$1,500.00	\$18,000.00
			Sub-Total	\$18,000.00
			4.0 Total	\$18,000.00
			Subtotal	\$104,921.00
		Securit	y Total (125%)	\$131,151.25





LANDSCAPE DRAWING LIST:

- L=0 CONTEXT PLAN

DEVELOPMENT PERMIT NOTES:

- THE CARADIAN CANUSCAVE STANDARDS, PUBLISHED BY CLENA, AND CSCA, AS WELL AS THE CITY OF RELOWING LANDSCAVE STANDARDS. IN BYLAW 7900.

 B THE LANDSCAPE DESIGN DESIGNATED HEREIN IS CONCEPTUAL BUT REFLECTS THE MINIMUM CITY OF KELOWING FORM AND CHARACTER.

NI SYLAM 700.

IN THE LANSCORDE ESCAN DESIGNATED HEBEIN IS CONCEPTUAL BUT BELECTS THE MINIMUM CITY OF RECORDS FOR ADMANDED BECUIDEMENTS

EXAMINATION OF THE PROPERTY OF THE PR

DP18-0209



CHARACTER IMAGES





PERMEABLE PAVERS WITH FLUSH CURB





CONCRETE BASE WITH WOOD BENCH



MON ARCHITECTS

OPTIC COURT OFFICE WAREHOUSE KELOWNA, B.C. CONTEXT PLAN

PROJECT:

L-0

Planner Initials



