CITY OF KELOWNA

MEMORANDUM

Date: March 29, 2018

File No.: DP17-0255 revised

To: RESB (AW)

From: Development Engineering Manager (JK)

Subject: 1642 Commerce Avenue ZONE: C10

Development Engineering Department have the following comments and requirements associated with this 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 Ryan O'Sullivan

1. Domestic Water and Fire Protection

- a) The property is located within the Rutland Waterworks District (RWD)
- b) Provide an adequately sized domestic water and fire protection system complete with individual lot connections. The water system must be capable of supplying domestic and fire flow demands of the project in accordance with the Subdivision, Development & Servicing Bylaw. Provide water calculations for this subdivision to confirm this. Ensure every building site is located at an elevation that ensures water pressure is within the bylaw pressure limits.
- a) The developer is required to make satisfactory arrangements with the RWD 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 RWD.
- c) Design drawings must be reviewed by the Rutland Waterworks District prior to the City issuing the drawings for construction. Confirmation of their review must be provided to the City.

2. <u>Sanitary Sewer</u>

(a) Our records indicate that this proposed development site is connected with a 150mm diameter sewer service. 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. The applicant, at his cost, will arrange for the removal and disconnection of the existing service and the installation of one new larger service if necessary.

3. Storm Drainage

(a) The developer must engage a consulting civil engineer to provide a storm water management plan for these sites 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) Only one service will be permitted for this development. The applicant, at his cost, will arrange for the installation of one new overflow service if required.

4. Road Improvements

- (a) Frontage on Commerce is at a urban standered with exception of landscaping. Landscaped fronting this development will be included in the onsite landscape plans. Irragation will be tied into 1642 Commerce Avenue water service.
- (b) Only one driveway access per lot, please ajust parking lot.

5. <u>Transportation</u>

a) These Development Engineering comments/requirements are subject to the review and requirements from the Ministry of Transportation (MOT) Infrastructure Branch.

6. Subdivision

- (a) Grant Statutory Rights of Way if required for utility services.
- (b) Dedication for the Harvey Ave right turn lane may be required. Confirmation by design drawing is necessary.
- (c) If any road dedication or closure affects lands encumbered by a Utility right-of-way (such as Hydro, Telus, Gas, etc.) please obtain the approval of the utility. Any works required by the utility as a consequence of the road dedication or closure must be incorporated in the construction drawings submitted to the City's Development Manager.

7. Electric Power and Telecommunication Services

- a) All proposed distribution and service connections are to be installed underground.
- b) Make servicing applications to the respective Power and Telecommunication utility companies. The utility companies are required to obtain the City's approval before commencing construction.

8. <u>Engineering</u>

Road and utility construction design, construction supervision, and quality control supervision of all off-site and site services including on-site ground recharge drainage collection and disposal systems, must be performed by an approved consulting civil engineer. Designs must be submitted to the city engineering department for review and marked "issued for construction" by the city engineer before construction may begin.

9. Design and Construction

- (a) Design, construction supervision and inspection of all off-site civil works and site servicing must be performed by a Consulting Civil Engineer and all such work is subject to the approval of the City Engineer. Drawings must conform to City standards and requirements.
- (b) Engineering drawing submissions are to be in accordance with the City's "Engineering Drawing Submission Requirements" Policy. Please note the number of sets and drawings required for submissions.
- (c) Quality Control and Assurance Plans must be provided in accordance with the Subdivision, Development & Servicing Bylaw No. 7900 (refer to Part 5 and Schedule 3).
- (d) A "Consulting Engineering Confirmation Letter" (City document 'C') must be completed prior to submission of any designs.
- (e) Before any construction related to the requirements of this subdivision application commences, design drawings prepared by a professional engineer must be submitted to the City's Works & Utilities Department. The design drawings must first be "Issued for Construction" by the City Engineer. On examination of design drawings, it may be determined that rights-of-way are required for current or future needs.

10. Servicing Agreements for Works and Services

- (a) A Servicing Agreement is required for all works and services on City lands in accordance with the Subdivision, Development & Servicing Bylaw No. 7900. The applicant's Engineer, prior to preparation of Servicing Agreements, must provide adequate drawings and estimates for the required works. The Servicing Agreement must be in the form as described in Schedule 2 of the bylaw.
- (b) Part 3, "Security for Works and Services", of the Bylaw, describes the Bonding and Insurance requirements of the Owner. The liability limit is not to be less than \$5,000,000 and the City is to be named on the insurance policy as an additional insured.

11. Geotechnical Report

As a requirement of this application the owner must provide a geotechnical report prepared by a Professional Engineer qualified in the field of hydro-geotechnical survey to address the following:

- (a) Area ground water characteristics.
- (b) Site suitability for development, unstable soils, etc.
- (c) Drill and / or excavate test holes on the site and install pisometers if necessary. Log test hole data to identify soil characteristics, identify areas of fill if any. Identify unacceptable fill material, analyse soil sulphate content, identify unsuitable underlying soils such as peat, etc. and make recommendations for remediation if necessary.
- (d) List extraordinary requirements that may be required to accommodate construction of roads and underground utilities as well as building foundation designs.

DP17-0255 4 -

> (e) Additional geotechnical survey may be necessary for building foundations, etc.

12. **Development Permit and Site Related Issues**

Access and Manoeuvrability

- An MSU size vehicle must be able to manoeuvre onto and off the site (i)
- without requiring a reverse movement onto public roadways.
 Indicate on the site, the locations of loading bays as well as the garbage and recycle bins. (ii)

James Kay, P. Eng. Development Engineering Manager

RO



March 28, 2018

City of Kelowna 1435 Water St Kelowna, BC V1Y 1J4

Re: Rationale for Project

Modular Housing Facility – 46 Dorm Modular Building with Kitchen at 1642 Commerce Avenue

Overview

The building at 1642 Commerce Ave is a 23,212 sq ft (2,156 square meter), 46 bed supportive housing center complete with dining area, and support service offices on 63,776 sq ft (5,925 square meters) of land, and located between Enterprise Way and Highway 97. The C-10 zoning supports this type of use.

The Site

The location is close to transit routes along Enterprise Way, Highway 97, and highway 33, and is a short distance from the Rail to Trail corridor allowing for relatively easy access to and from the site, especially from both the Downtown and Rutland Town Centres while not bringing people directly to those areas.

The property is level and suitable for outdoor use.

The Building

The building itself comprised of modular building units on a temporary wood frame foundation to meet BC Housings needs for rapid response supportive housing and is intended to be relocated to another town or neighbourhood as their needs shift.

The dwelling units are approximately 250 square foot studio-style rooms in a three storey building, complete with their own private bathrooms. Shared laundry is available within the public space.

The amenity space, or core of the building, is on the first floor with a 44 seat dining facility, commercial kitchen, lounge, washrooms and offices. This space is to act as reception hall, and support service facility in addition to being a gathering space for residents.

The Grounds

Outside of the amenity building a gathering area behind the amenity core to provides some privacy to the occupants of the facility and allows them room to safely move about. Storage lockers will be provided to secure bicycles and extra belongings as well. The property will be surrounded by a fence to control where people access the building, and the grounds will be monitored by CCTV for the safety of the occupants.

A fenced dog run is provided for those occupants that have them. The area will be large enough to hold several animals while

Parking is provided for the staff as well as for people staying at the facility along with ample bicycle parking and shower facilities.

Safety

Safety of the tenants is paramount as many of them are at risk people. Between CCTV system, staged fencing, controlled access, and continuous monitoring issues can be spotted and de-escalated. The facility will be continuously staffed, and a medical services room is being provided.

Development Permit DP17-0255



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

1642 Commerce Avenue

and legally known as

Lot 5 District Lot 125 ODYD Plan KAP73825

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:April 23rd, 2018Decision By:CITY COUNCIL

<u>Issued Date:</u> Tbd

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

<u>File Manager:</u> Alec Warrender

This permit will not be valid if development has not commenced by April 23, 2020.

Existing Zone: C10 – Service Commercial Future Land Use Designation: Service Commercial

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's Agent: Horizon North on behalf of BC Housing

Address: 540 Athabasca Street

City: Kamloops, BC Phone: 250-371-1300

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 date of Council 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 tbd.

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.

BC HOUSING TRANSITIONAL HOUSING

1642 COMMERCE AVENUE KELOWNA, BC

MARCH 28, 2018



SCHEDUL	EA
This forms part of a	oplication
# DP17-0255	
	City of
Planner Initials AW	Kelowna COMMUNITY PLANNING

THESE DOAMINGS AND	
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PROPERTY OF HORIZON	
NORTH AND MAY NOT BE	
REPRODUCED OR SUBMITTED TO OUTSIDE PARTIES WITHOUT	
THE EXPRESSED WRITTEN	
CONSENT OF HORIZON NORTH	



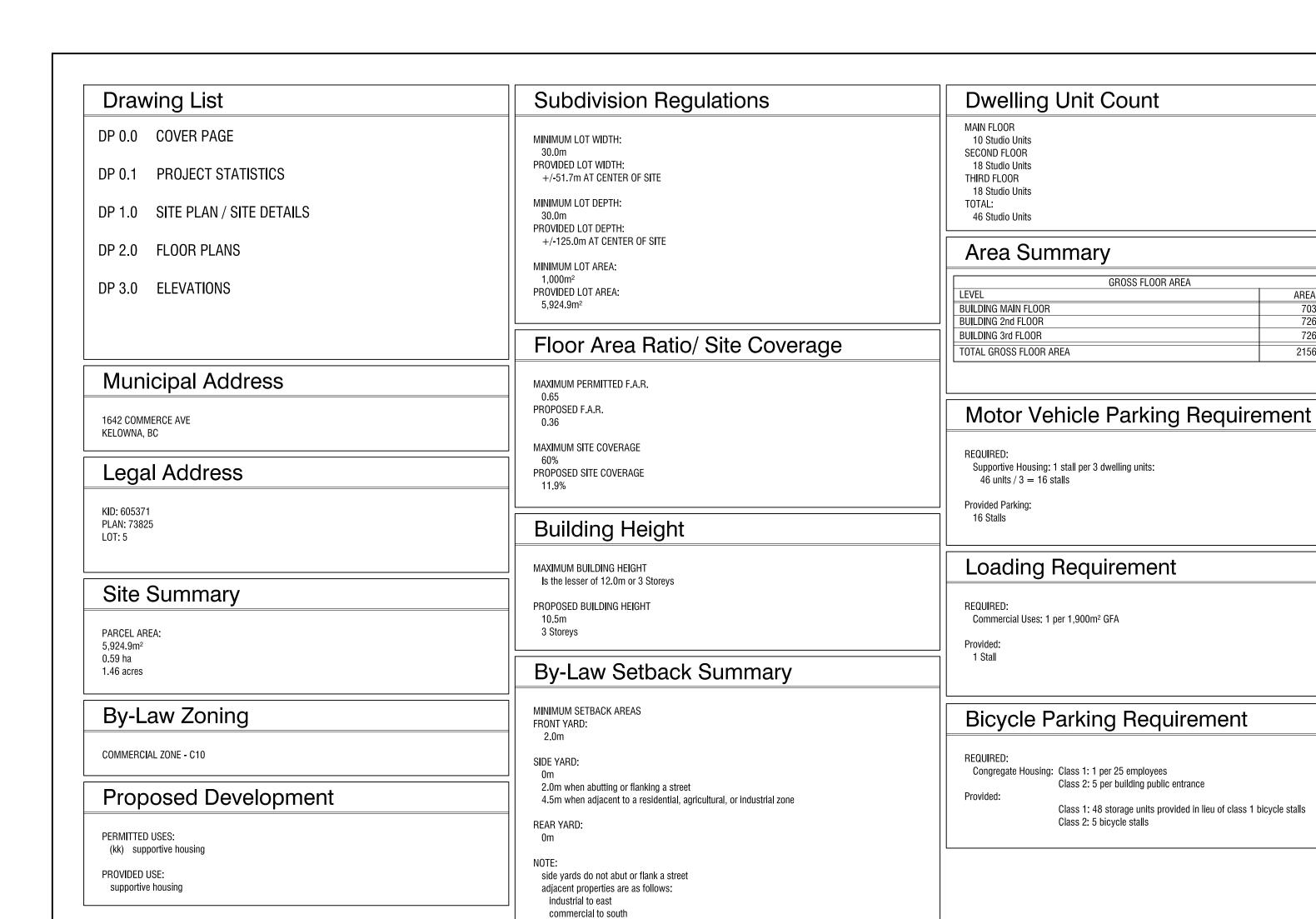




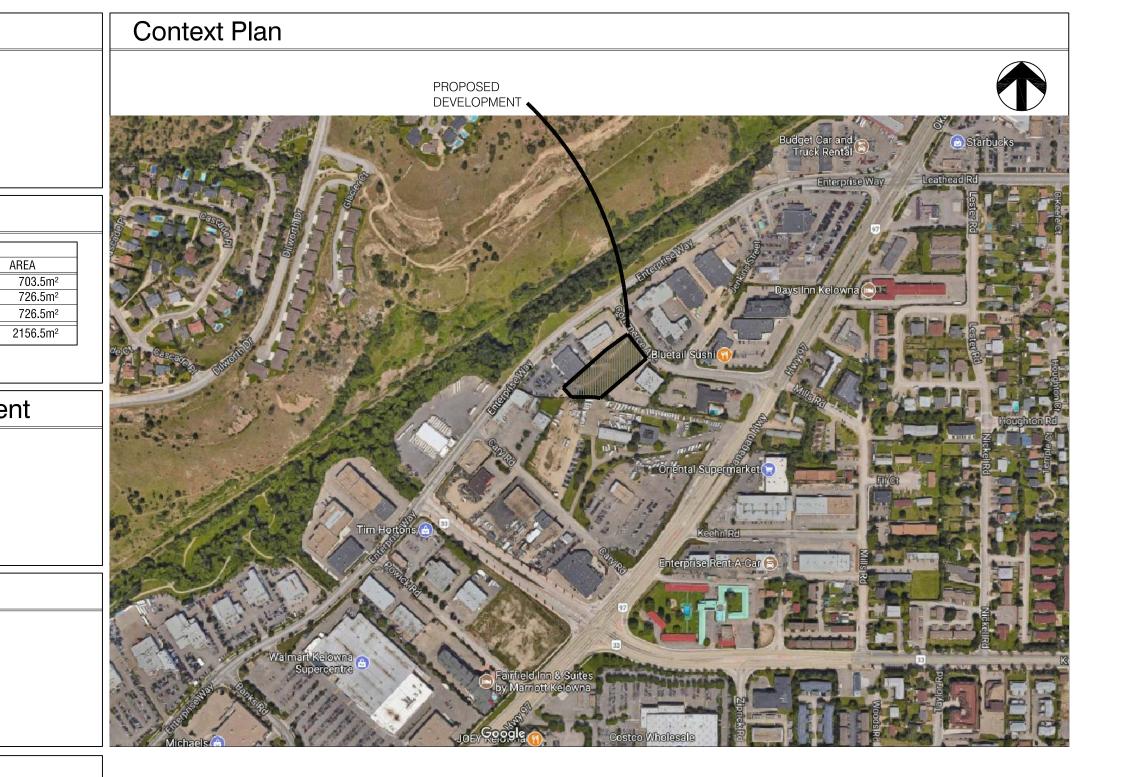


47	BC HOUSING
N# DICATED	TRANSITIONAL HOUSING
ΞH	KELOWNA, BC
<u>Z</u>	COVER SHEET

G DP0.0



commercial to west











Frontage Looking South



3 Property Line on Left Side of Site



4 Property Line on Right Side of Site



5 Rear Lot Looking North



Rear Lot Looking South

THESE DRAWINGS AND DESIGNS ARE THE SOLE PROPERTY OF HORIZON NORTH AND MAY NOT BE REPRODUCED OR SUBMITTED TO OUTSIDE PARTIES WITHOUT THE EXPRESSED WRITTEN CONSENT OF HORIZON NORTH REVISION



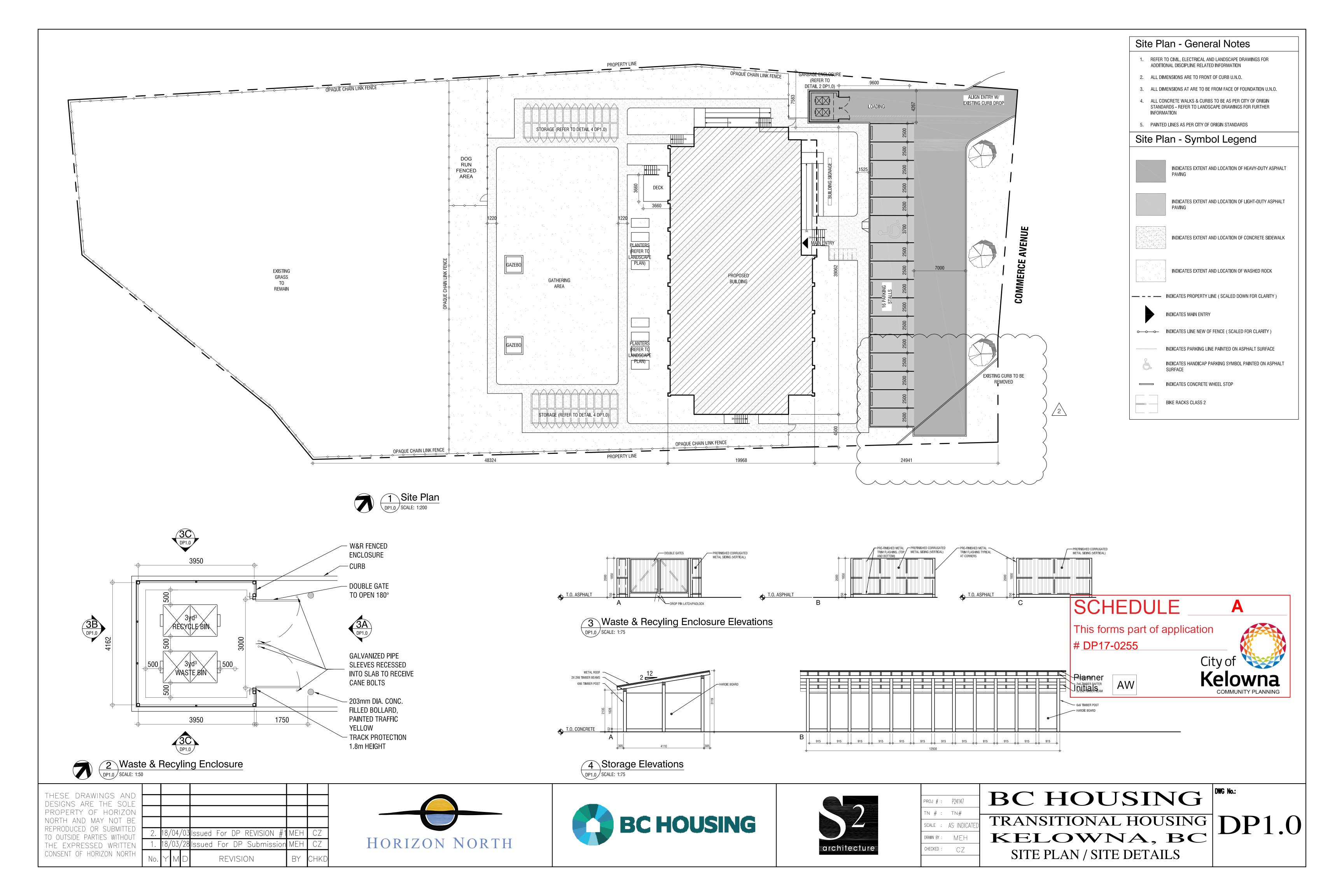


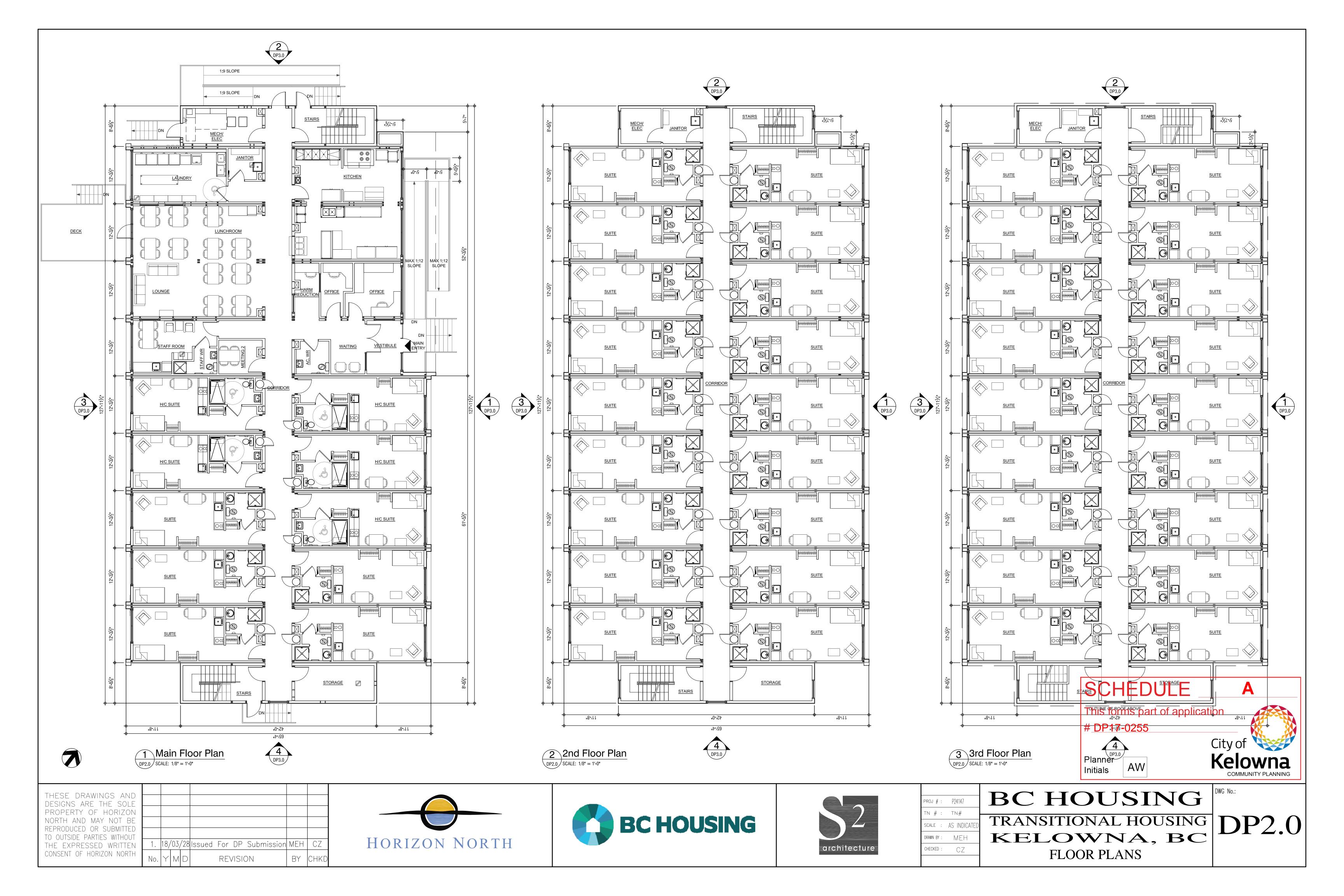


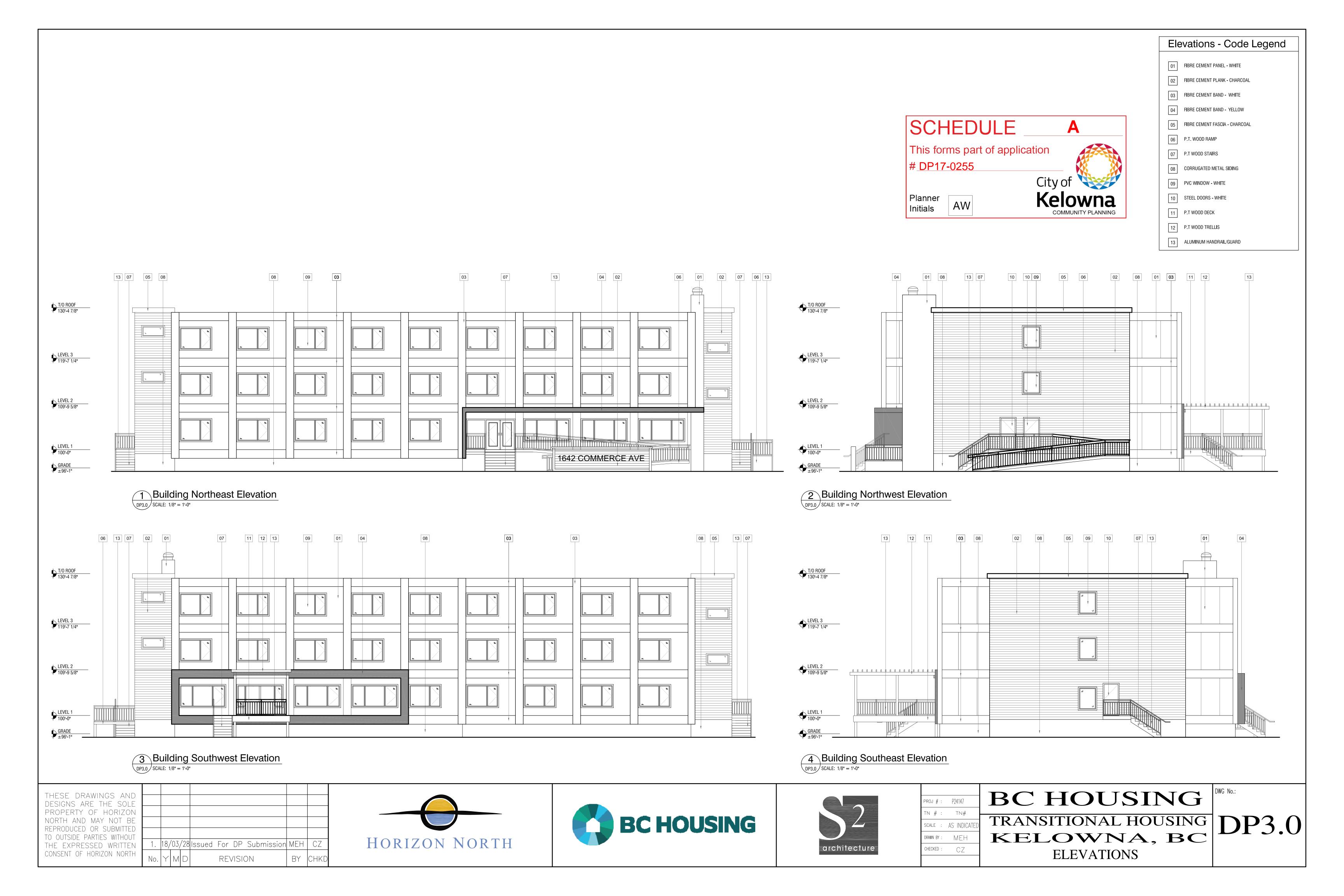
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3C HOUSING RANSITIONAL HOUSING DP0.1 SELOWNA, BC PROJECT STATISTICS

















Pennisetum alopecuroides 'Little Bunny'

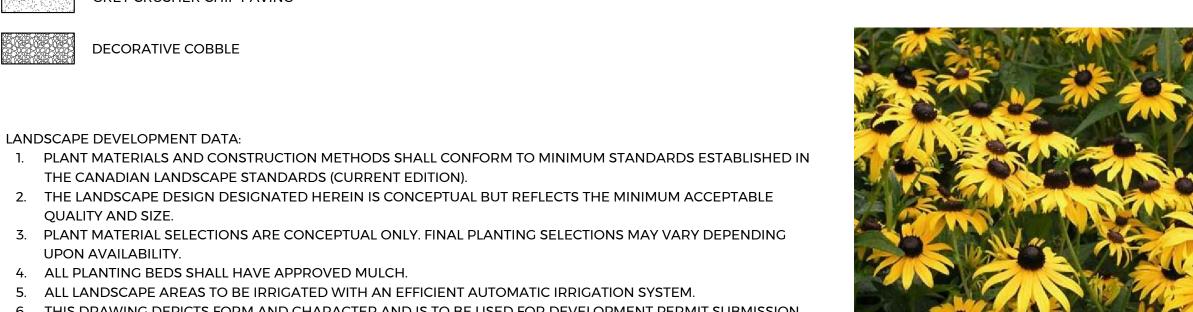




LANDSCAPE PLAN LEGEND: BARK MULCH LIMIT OF WORK ----PROPERTY LINE ROSE HEDGE ORNAMENTAL GRASS / PERRENIAL SET BACK 1.8m HGT. OPAQUE CHAIN LINK **EVERGREEN FOUNDATION** FENCE w/ GATE PLANTING BIKE RACKS C.I.P. CONCRETE PAVING SOD AREA ADIRONDACK CHAIR (OPTIONAL) GREY CRUSHER CHIP PAVING DECORATIVE COBBLE

LANDSCAPE DEVELOPMENT DATA:

- 2. THE LANDSCAPE DESIGN DESIGNATED HEREIN IS CONCEPTUAL BUT REFLECTS THE MINIMUM ACCEPTABLE
- UPON AVAILABILITY.
- 4. ALL PLANTING BEDS SHALL HAVE APPROVED MULCH.
- 5. ALL LANDSCAPE AREAS TO BE IRRIGATED WITH AN EFFICIENT AUTOMATIC IRRIGATION SYSTEM.
- 6. THIS DRAWING DEPICTS FORM AND CHARACTER AND IS TO BE USED FOR DEVELOPMENT PERMIT SUBMISSION ONLY. IT IS NOT INTENDED FOR USE AS A CONSTRUCTION DOCUMENT.





REPRESENTATIVE PLANT LIST

Northwest Poplar

Sea Green juniper

Goldsturm Coneflower

Walkers Low Catmint

Fountain Grass

Scotch Pine

Hansa Rose

BOTANICAL NAME

Pinus sylvestris

Populus x jackii `Northwest`

Juniperus chinensis 'Seagreen'

Miscanthus sinensis 'Gracillimus'

Rudbeckia fulgida 'Goldsturm'

Nepeta x faassenii 'Walkers Low'

Pennisetum alopecuroides 'Little Bunny'

Rosa rugosa `Hansa`

PERENNIALS GRASSES

TREES



Potted

MATURE PLANT SIZE (H X W)

15.00m x 6.00m

15.00m x 11.00m

1.80m x 2.40m

0.30 x 1.50m

1.80m x 2.10m

0.75m x 0.60m

0.45m x 0.60m

0.75m x 0.90m

Nepeta racemosa 'Walkers Low'

60mm Cal.

2.5m HGT.





Miscanthus sinensis 'Gracillimus'





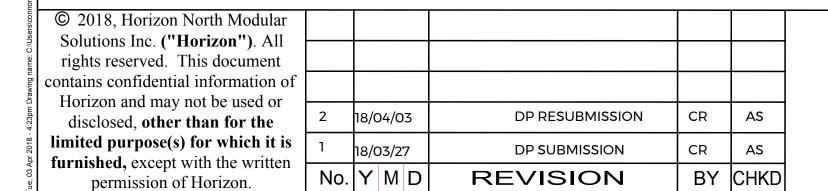
Juniperus chinensis 'Seagreen'



WOOD SCREENING



LARGE AND SMALL CRUSHED STONE





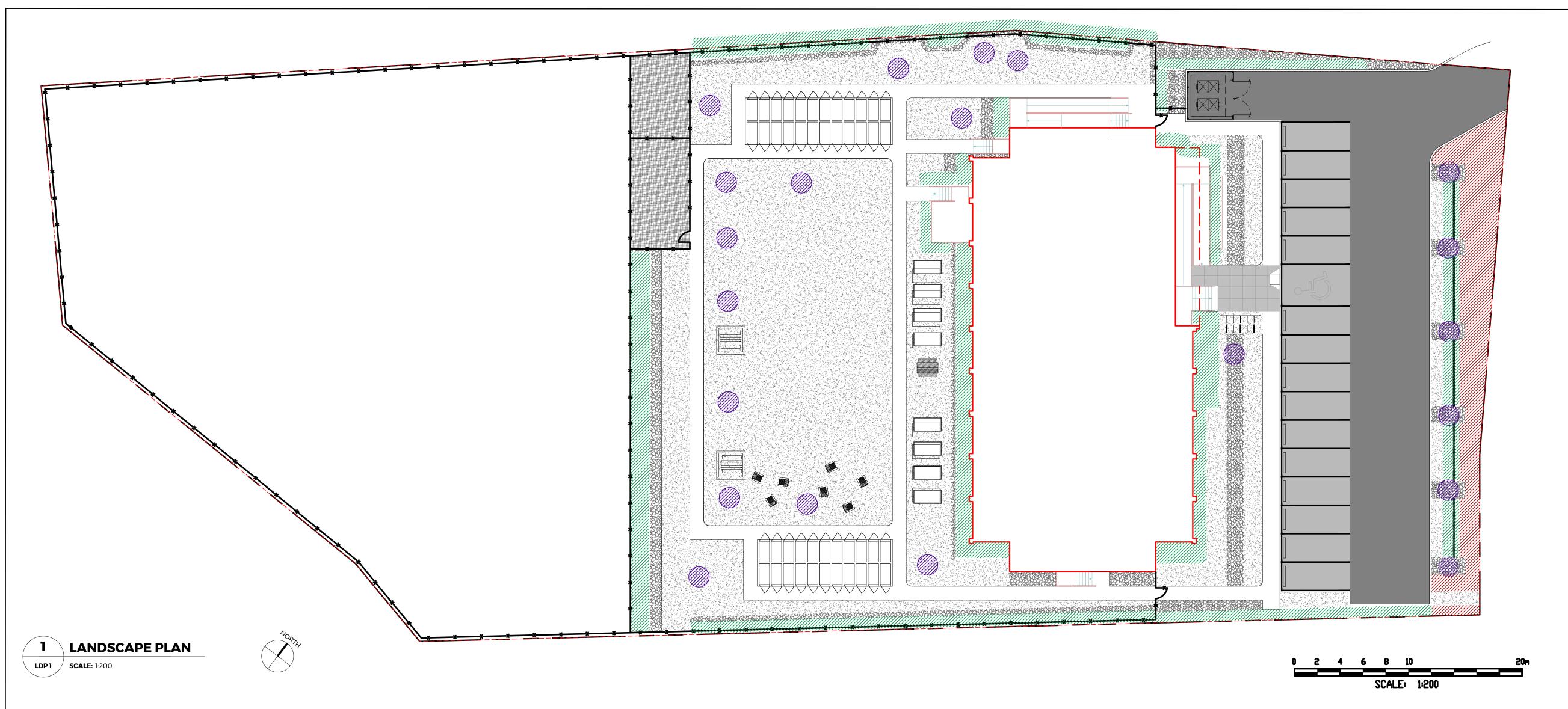




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BC HOUSING - TRANSITIONAL HOUSING
1642 COMMERCE AVE, KELOWNA
LANDSCAPE PLAN

LDP1



HYDROZONE LEGEND:

LOW WATER REQUIREMENTS (313.0m. sq.)



MEDIUM WATER REQUIREMENTS (53.0m. sq.)



HIGH WATER REQUIREMENTS (113.0m. sq.)

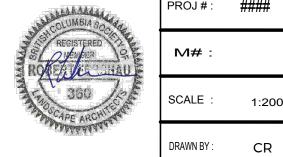
SCHEDULE This forms part of application #_DP17-0255 Planner

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CR **DP RESUBMISSION** 18/04/03 CR AS 18/03/27 DP SUBMISSION BY CHKD **REVISION** No. Y M D







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BC HOUSING - TRANSITIONAL HOUSING DWG No.: 1642 COMMERCE AVE, KELOWNA LDP2

HYDROZONE PLAN