

AGENDA ITEM NO:

7.11

MEETING DATE:

July 4, 2023

STAFF REPORT – COVER SHEET

SUBJECT: Provincial Rental Housing Corporation
Site Specific Exemption / 45466 Yale Road DATE: June 21, 2023

DEPARTMENT: Planning Department – RZ001611 PREPARED BY:  Erin Leary/tr

1. SUMMARY OF ISSUE:

BC Housing is currently utilizing the site for a supportive housing facility. The subject property is located within the protected floodplain area and subject to the Floodplain Regulation Bylaw 2018, No. 4519. The applicant wishes to apply for a "Site Specific Exemption" in accordance with Provincial Guidelines and Schedule "B" of the Floodplain Regulation Bylaw 2018, No. 4519. The granting of this exemption would allow for the ground floor of the existing building to be utilized to house residents of the facility.

Terran Geotechnical Consultants Ltd. has provided supporting documentation for this exemption (see letter attached) and indicates that the finished floor elevation of approximately 9.1m for the development does not meet the required Flood Construction Level (FCL) of 12.2m. Given the flooding risks of not meeting the FCL, the applicant suggests that consideration be given for an alarm warning system as well as an evacuation plan be in place for safe egress of occupants.

It is recommended that BC Housing enter into a covenant registered on title under Section 219 of the Land Title Act with the following provisions:

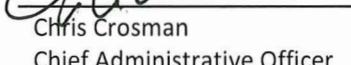
- a. details of what the structure is used for;
- b. acknowledgement that the structure is located on a floodplain and could be subject to damage caused by flooding;
- c. details of required measures that reduce or mitigate the risk of flood; and,
- d. an indemnity agreement by the owner to indemnify the City from any damages with regard to the flooding of the property or flood damage to land, structures and the contents thereof as a result of the housing being at the subject location.

BC Housing acknowledges the risk associated with the request and has agreed to enter into the above noted indemnity agreement (see letter attached). As a Provincial agency, they are self-insured to meet Provincial Guidelines.

2. RECOMMENDATION:

Recommendation that, subject to a Section 219 covenant being entered into as outlined in the staff report, Council grant a "Site Specific Exemption" for the supportive housing facility at 45466 Yale Road, in accordance with the relevant Provincial enactments and "Floodplain Regulation Bylaw 2018, No.4519" and Schedule "B" of the said Bylaw.

3. CHIEF ADMINISTRATIVE OFFICER'S RECOMMENDATION/COMMENTS:
Supports recommendation.


Gillian Villeneuve
Director of Planning

Chris Crosman
Chief Administrative Officer



1701 – 4555 Kingsway
Burnaby, BC V5H 4V8
T: 604 433 1711
F: 604 439 4722
www.bchousing.org

June 8th, 2023

The City of Chilliwack
8550 Young Road
Chilliwack, BC V2P 8A4

Attention: Planning Department

Dear Mayor and Council:

Re: Site Specific Exemption Request at 45466 Yale Road, Chilliwack, BC

BC Housing is requesting a Site-Specific Exemption from the City of Chilliwack Floodplain Regulation Bylaw 2018, No. 4519 to facilitate the development of a Supportive Housing Development to be operated by Ruth and Naomi's Mission at 45466 Yale Road. BC Housing acknowledges that there is a risk of flood to this development as noted in the May 15th, 2023 letter from Terran Geotechnical, the finished floor elevation at 9.1m will be 3.1m below the required Flood Construction Level of 12.2 m.

By way of this letter, BC Housing, as owner (through PRHC) and project funder and as a self-insured provincial agency, acknowledges the risk associated with the requested exemption and agrees to absolve the City of Chilliwack of any liability with respects to the flooding of the property, or flood damage to land, structures, and contents thereof, and will coordinate with the City to register a restrictive covenant under Section 219 of the Land Title Act, in accordance with the City of Chilliwack Floodplain Regulation Bylaw 2018, No. 4519.

Sincerely,
Yours Truly,

A handwritten signature in black ink, appearing to read "Stanley W. Yuen".

Stanley W. Yuen
Development Manager
BC Housing Management Commission



Terran Geotechnical Consultants Ltd.
Permit to Practice: 1002891
1597 E Kent Ave N
Vancouver, BC V5P 4Y7
Phone: (604) 421-3288
Email: info@terrangeo.com

May 15, 2023

Project #: 6443-01

Stanley W. Yuen

BC Housing
1701 - 4555 Kingsway,
Burnaby, BC V5H 4V8

E: syuen@bchousing.org
C: 236-982-8593

Regarding: **Flood Exemption Letter – Rev. 1**
Site Location: 45466 Yale Rd, Chilliwack, BC
Project Description: Proposed Development

As per your request, Terran Geotechnical Consultants Ltd. (TerranGeo) provides this letter to support the development at the project located at 45466 Yale Rd, Chilliwack, BC. The purpose of this letter is to address the Flood Construction Level (FCL) elevation for the subject site and the proposed development as it relates to habitable areas. Site plan from Chilliwack's GIS mapping is provided in **Appendix A** of this letter.

TerranGeo has been furnished with the following documents:

- Legal Survey by *Lyon, Flynn & Collins B.C. Land Surveyors* dated April 5, 2021.
- Partial Architectural Drawings by *DCYT Architecture* dated February 2022.
- Partial First Floor Plan by *Martin Pykalo Architect Inc.* dated March 3, 2023.

Referenced documents are provided in **Appendix B** of this letter. *Floodplain Regulation Bylaw 2018, No. 4519* was reviewed in the preparation of this letter.

Based on the provided documents as well as the City of Chilliwack GIS mapping, the following information, as it pertains to the Flood Construction Level (FCL), is noted:

- The property is located in a floodplain and is protected by Standard and Non-Standard Dykes to the north.
- Flood Construction Level at the subject site is ≈12.2m geodetic (including 0.6m Freeboard).
- The average existing site grade is ≈9.1m geodetic based on the Chilliwack's GIS mapping.
- The average elevation of the centerline (crown) of the road is ≈9.4m geodetic.
- The existing elevation of the Lower Floor is understood to be flush with the surrounding grade at about 9.1m geodetic.



In connection to the noted information, the following comments are provided:

Based on the Floodplain Regulation Bylaw, the Second Level floor likely marginally meets the minimum requirements for habitable areas which may be confirmed by the topographic survey. The use of the second floor is understood to mainly be for habitation with about 50 bedrooms. The floor also has two proposed/existing office rooms and a storage room.

Lower (first) Floor is below the FCL of 12.2m geodetic and may be eligible for an exemption as outlined in General Exemptions of the Bylaw and provided that the owner enters into a Covenant absolving the City of Chilliwack of any liability with respect to the flooding of the property or flood damage to land, structures, and contents thereof. The first floor is understood to also be used for habitation with multiple bedrooms. The current scope of the renovation focuses on the non-habitable areas of the west corner of the building with fitness, laundry, and service rooms.

In line with this, TerranGeo finds that lower floor is exposed to potential inundation by flood waters. In order to meet the requirements of flood hazard safety and the Floodplain Regulation Bylaw, the owner shall enter into a Covenant absolving the City of Chilliwack of any liability with respect to the flooding of the property or flood damage to land, structures and contents thereof. It is recommended that the lower floor and the upper floor, should it not meet the established FCL, allow for safe egress of the occupants with an alarm warning system as well as an evacuation plan in place. No other flood-related hazards are found to be applicable to the subject site.

We trust that this meets your current requirements. If you should have any concerns or questions, please do not hesitate to contact us.

Kind Regards,

Terran Geotechnical Consultants Ltd.,



Sergey
Makhov
2023-05-1
5 21:41:25

Sergey Makhov, EIT

Geotechnical Engineer



Thanh V. Le, P.Eng.

Principal | Geotechnical Engineer



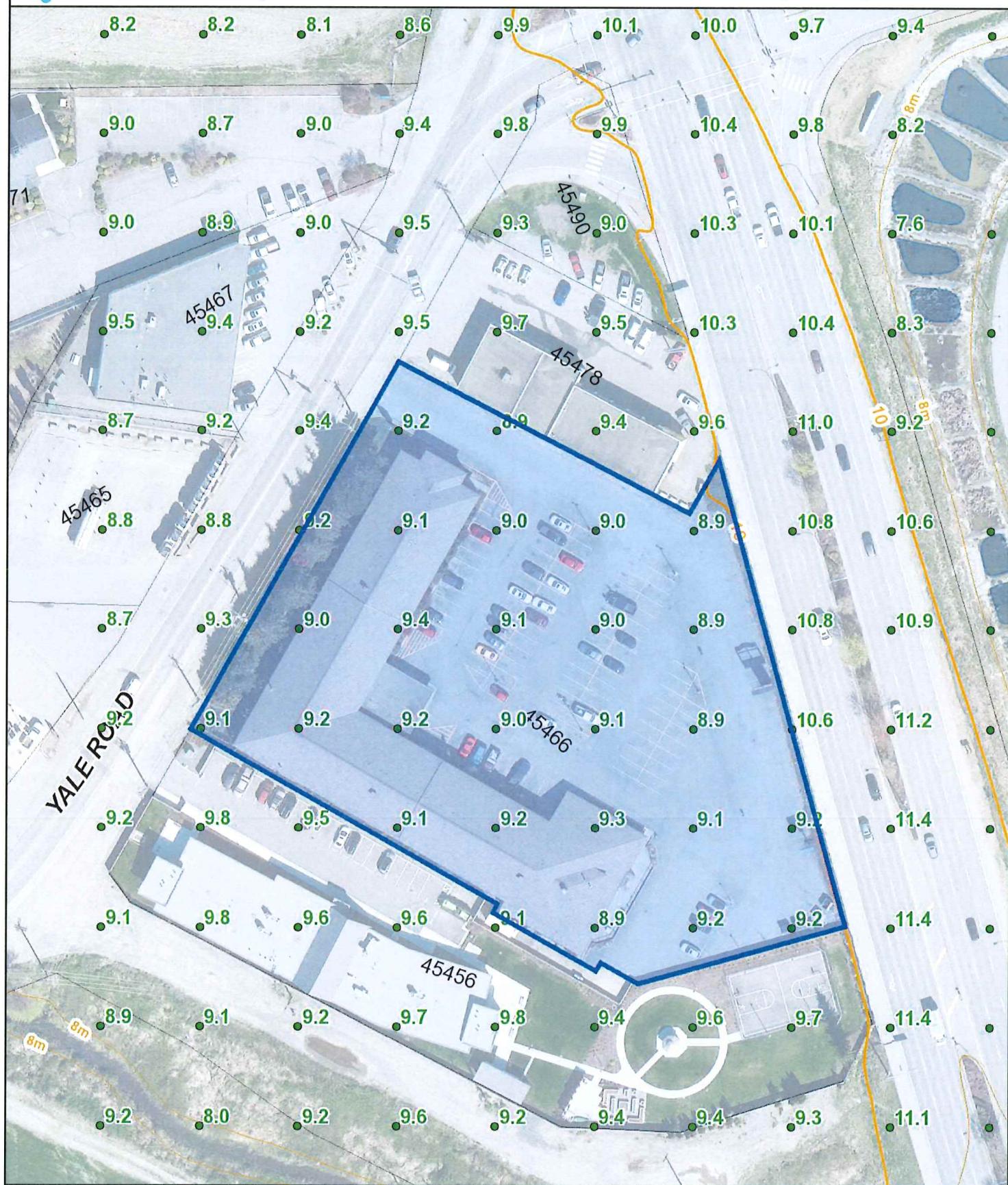
Appendix A





CITY OF CHILLIWACK Map of Chilliwack

Exported: September 20, 2022



Scale: 1:1,000

0 10 20 40 m



Data accuracy not guaranteed

Appendix B



B.C. LAND SURVEYOR'S CERTIFICATE OF LOCATION
FOR BUILDINGS ON LOT 1 DISTRICT LOT 265 GROUP 2
NEW WESTMINSTER DISTRICT PLAN EPP40425

SCALE 1:30 ALL DIMENSIONS IN FEET
0 40 80

ADDRESS:
45466 YALE ROAD
CHILLIWACK, B.C.
PID: 029-571-987

Based on Land Title & Survey Authority Records and Field Survey.
Unregistered interests have not been included or considered.

This document shows the relative location of the surveyed structures and features with respect to the boundaries of the parcel described above. This document shall not be used to define property lines or property corners.

Lyon, Flynn & Collins accept no responsibility for and hereby disclaim all obligations and liabilities for damages including, but not limited to, direct, indirect, special, and consequential damages arising out of or in connection with any direct or indirect use or reliance upon the Plan beyond its intended use.

This plan was prepared for mortgage purposes and is for the exclusive use of the client.

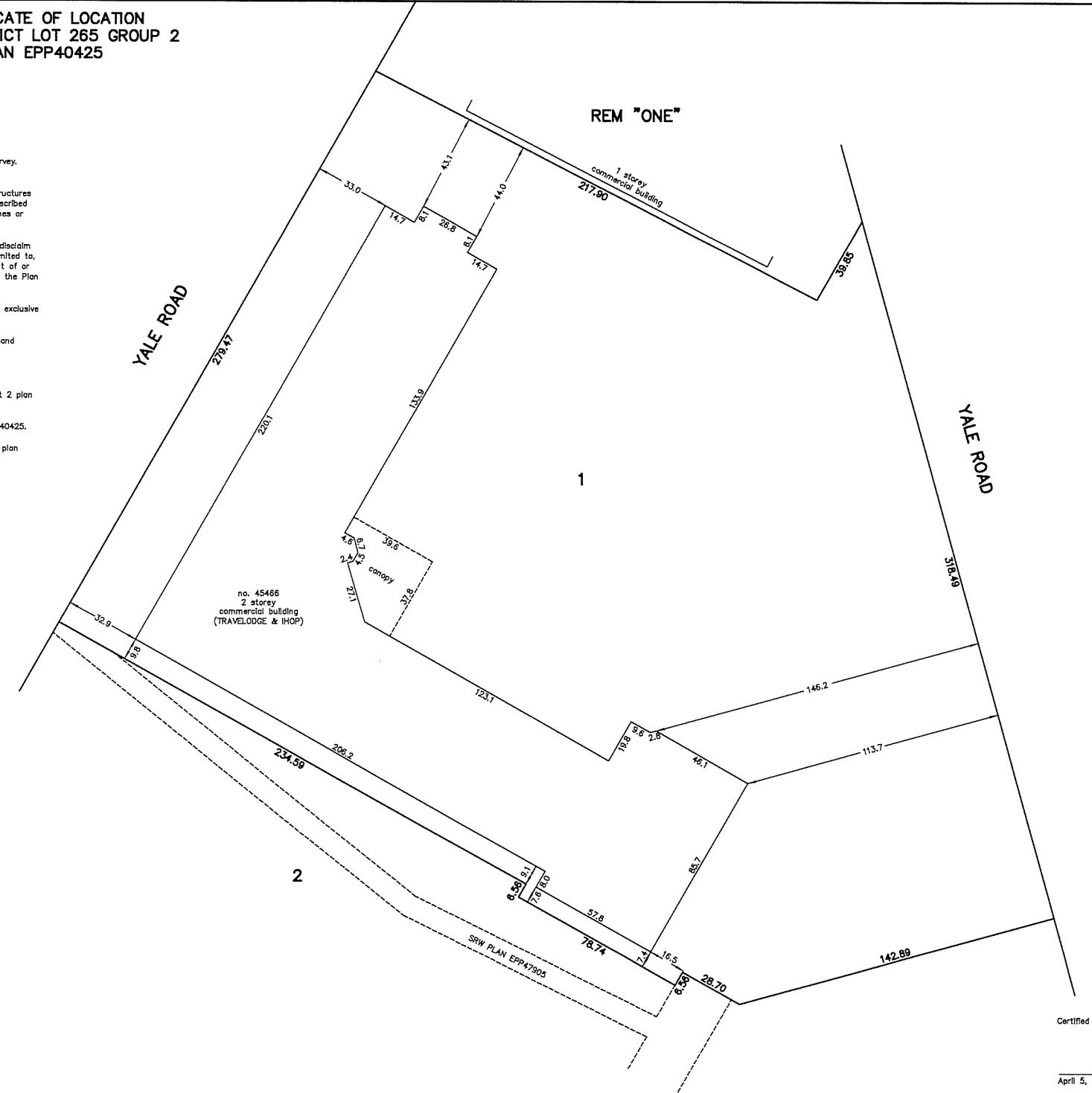
Lot is subject to covenants Z3053, CA4323403, CA4323404, and CA4407084.

LEGAL NOTATIONS:

Hereto is annexed easement ca4407085 over that part of Lot 2 plan EPP40425 as shown on plan EPP47905.

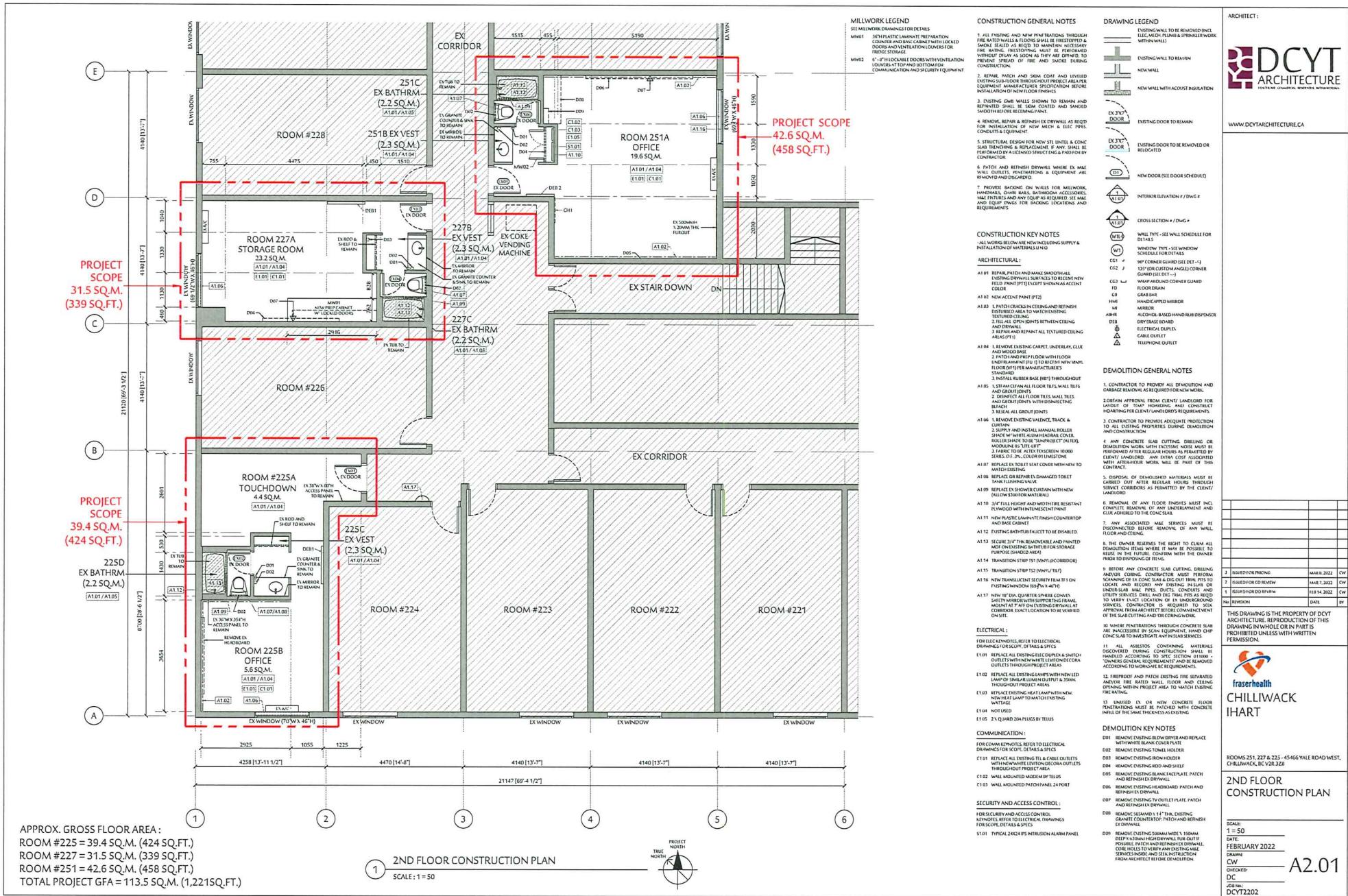
Hereto is annexed easement CA522563 over Lot 2 plan EPP40425.

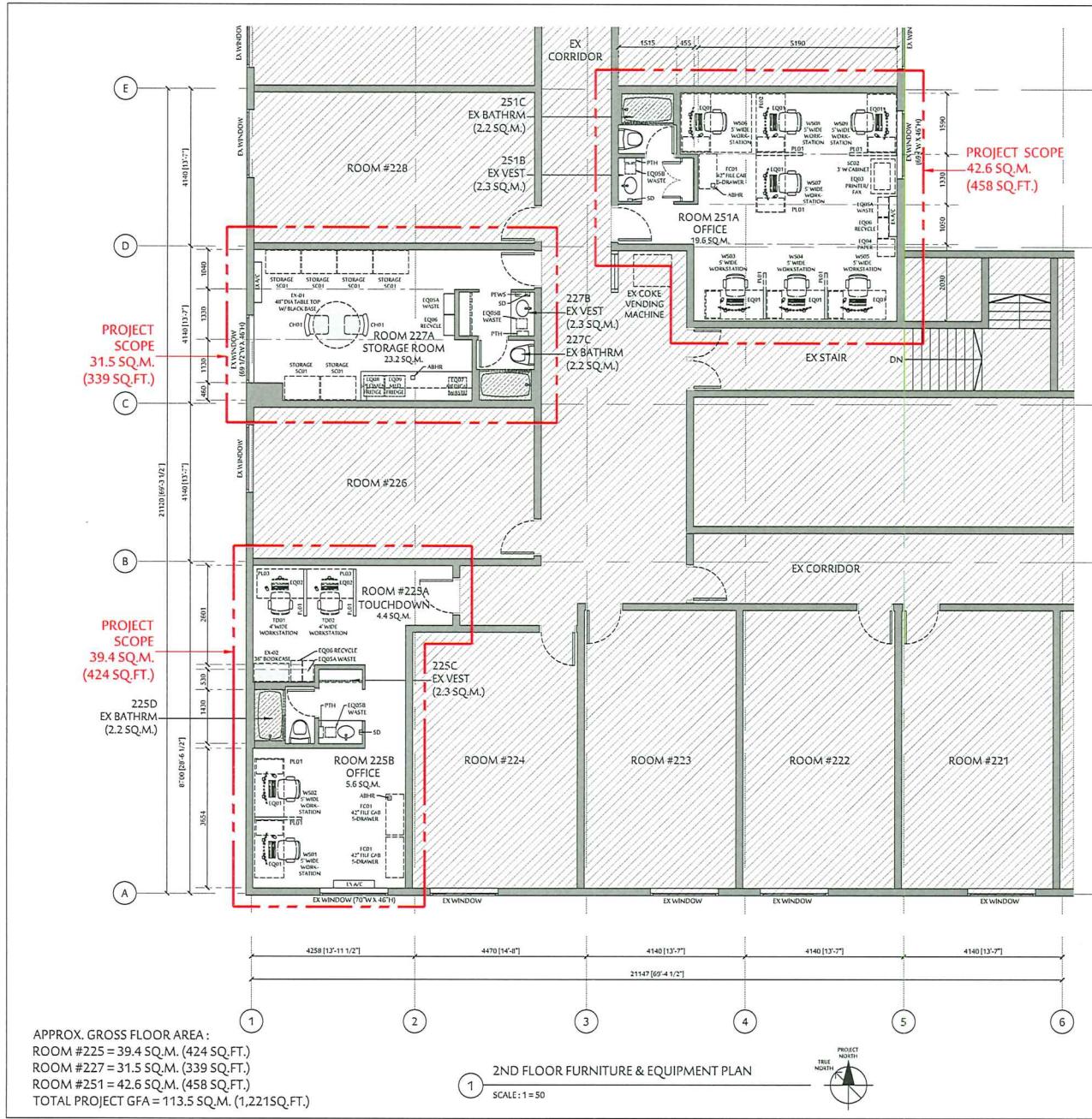
Hereto is annexed restrictive covenant CA522564 over lot 2 plan EPP40425.



LYON, FLYNN AND COLLINS 2021

©LYON, FLYNN AND COLLINS 2021





CONSTRUCTION GENERAL NOTES

- ALL EXISTING AND NEW PENNITRATIONS THROUGH FIRE RATED WALLS & FLOORS SHALL BE FIRESTOPPED AS SHOWN. ALL PENNITRATIONS MUST BE FIRESTOPPED. FIRE RATING (FIRESTOPPING) MUST BE PERFORMED VERITABLY IN ACCORDANCE WITH CAN/ULC-S105 TO PREVENT SPREAD OF FIRE AND SMOKE DURING CONSTRUCTION.
- REPAIR, PATCH AND SMA COAT AND LEVELLED EXISTING SUBSTRATE THROUGHOUT PROJECT AREA PER EQUIPMENT PLACEMENT. REPAIR AND PAINT BEFORE INSTALLATION OF NEW FINISHES.
- EXISTING CMW WALLS SHOWN TO REMAIN AND REFINISH SHM COAT AND SMOOTH FINISH RECOMMENDED.
- REMOVE, REPAIR & REFINISH EXWMW AS RECD FOR INSTALLATION OF NEW MEC & ELEC PLS.
- STRUCTURAL DESIGN FOR NEW STL UNITS & CONCRETE TRENCHING & RETAINMENT IF ANY, SHALL BE PROVIDED BY ARCHITECT AND CONSTRUCTED & TESTED BY CONTRACTOR.
- PATCH AND REFINISH DWYW WHERE EX MEC WALLS ARE REMOVED. MEC EQUIPMENT AND EQUIPMENT ARE REMOVED AND DISCARDED.
- PROVIDE BACKING ON WALLS FOR MELINOR, HANSON, WORKSTATION, BATHROOM, ACCESSIBLE VALE FEATURES AND ANY OTHER FEATURES AS REQUIRED SEE MEC AND EQUIPMENT PLANS FOR BACKING LOCATIONS AND REQUIREMENTS.

CONSTRUCTION KEY NOTES

- ALL VIEWS BELOW ARE NEW INCLUDING SUPPLY & INSTALLATION OF MATERIALS LISTED.
- ARCHITECTURAL:**

 - REFINISH, PATCH AND MAKE SMOOTH ALL EXISTING DWYW SURFACES TO RECEIVE NEW PAINT (PT2).
 - NEW ACCENT PAINT (PT2)
 - PATCH CRACKS IN CEILING AND REFINISH PAINTED CEILING. PAINT EXISTING TEXTURED CEILING AND PAINT ALL OPEN JOINTS BETWEEN CEILING AND DWYW.
 - REFINISH AND REPAIR ALL TEXTURED CEILING AND PAINT ALL OPEN JOINTS.
 - REMOVE EXISTING CARPET, UNDERLAY, GLUE & PATCH AND PREP FLOOR WITH FLOOR UNDERLAYMENT (TU) TO RECEIVE NEW VINYL FLOORING. REMOVE OLD VINYL FLOORING, STANDARD.
 - STEAM CLEAN ALL FLOOR TILES/WALL TILES AND GROUT JOINS.
 - REPLACE EXISTING TILES WALL TILES, AND GROUT JOINS WITH (SIGHTGROUT) BLACK.
 - RESEAL ALL GROUT JOINTS.
 - REPLACE EXISTING VINYL CURTAIN.
 - SUPPLY AND INSTALL VINYL CURTILESS DRAPES AND VINYL HORIZONTAL COVER.
 - DRAPES SHALL BE 100% PROJECT CENTER MAXIMUM LENGTH.
 - CABINET TOP TO ALTEX TESCREEN (10000 X 1200 X 15MM) AND CLOTH (10000 X 1200 X 15MM).
 - REPLACES TOILET SEAT COVER WITH NEW TOILET CLOSING.
 - REPLACE OR REPAIR DAMAGED TOILET TANK VALVE.
 - REPLACE EX SHOWER CURTAIN WITH NEW EX SHOWER CURTAIN.
 - TOOL BOX HEIGHT AND MOISTURE RESISTANT PLWOOD WITH INTERNEUTRAL PAINT.
 - NEW PLASTIC LAMINATE FINISH COUNTERTOP AND SINK.
 - EXISTING BATHURE FAUCETS TO BE DISCARDED.
 - SECURE 3/4" PVC REVERSABLE AND PAINTED MDF ON EXISTING BATHURE FOR STORAGE PURPOSES.
 - TRANSITION STRIP TS1 (10MM THICKNESS).
 - TRANSITION STRIP TS2 (10MM THICKNESS).
 - NEW TRANSLUCENT SECURITY FILM TO BE MOUNTED AT A 45° ON EXISTING DWYW ALONG CORRIDOR. EXACT LOCATION TO BE VERIFIED ON-SITE.
 - NEW 18" DIAM QUADRATIC SPHERE CONCRETE BOLLARD TO BE MOUNTED ON EXISTING DWYW. MOUNT AT A 45° ON EXISTING DWYW ALONG CORRIDOR. EXACT LOCATION TO BE VERIFIED ON-SITE.
 - DUAL MONITOR DESKTOP COMPUTER.
 - SINGLE MONITOR DESKTOP COMPUTER.
 - PRINTER/FAX.
 - FILE CABINET (42" W X 18" D X 30" H).
 - FILE CABINET (42" W X 18" D X 30" H).
 - STORAGE CABINET (34" W X 25" D X 30" H).
 - CHAM (SIZE TBD).

FURNITURE & EQUIPMENT LEGEND

- | | |
|---|---|
| EXISTING FURNITURE & EQUIPMENT | NEW FURNITURE & EQUIPMENT (DASH LINE WITH NO SHADING) |
| DISCONTINUED FURNITURE AND EQUIPMENT (DASH LINE WITH SHADING) | ITEMS TO BE RELOCATED (DASH LINE WITH SHADING) |

- EXISTING FURNITURE & EQUIPMENT
- OPEN BOOKCASE (NEW 4'7" X 4'7")
- NEW FURNITURE & EQUIPMENT
- FURNITURE & EQUIPMENT TO BE SUPPLIED, DISCLOSED & AGREED BY OWNER, CONTRACTOR, ENGINEER, ARCHITECT AND PROVIDER.
- INSTALLATION OF INDICATED IN DRAWINGS.
- NEW FURNITURE LIST
- WORKSTATION
- TOUCHDOWN WORKSTATION
- DUAL MONITOR DESKTOP COMPUTER
- PRINTER/FAX
- FILE CABINET (42" W X 18" D X 30" H)
- FILE CABINET (42" W X 18" D X 30" H)
- STORAGE CABINET (34" W X 25" D X 30" H)
- CHAM (SIZE TBD)
- NEW EQUIPMENT LIST
- DUAL MONITOR DESKTOP COMPUTER
- SINGLE MONITOR DESKTOP COMPUTER
- PRINTER/FAX
- FILE CABINET (42" W X 18" D X 30" H)
- FILE CABINET (42" W X 18" D X 30" H)
- STORAGE CABINET (34" W X 25" D X 30" H)
- CHAM (SIZE TBD)
- ELECTRICAL:
- FOR ELECTRICAL REFER TO ELECTRICAL DRAWINGS FOR SCOPE, DETAILS & SPECS
- REPLACE ALL EXISTING E&L CABLE OUTLETS, MOUNT NEW OUTLETS AND CABLE OUTLETS THROUGHOUT PROJECT AREA
- REPLACE ALL EXISTING LAMPS WITH NEW LAMPS OF SIMILAR LUMEN OUTPUT & STERIC THICKNESS AS EXISTING LAMPS
- REPLACE EXISTING LIGHT LAMP WITH NEW HALOGEN LAMP TO MATCH EXISTING LIGHTING
- NOT USED
- 3 X QUAD 20A PLUGS BY TELUS
- COMMUNICATION:
- FOR COMM KEYNOTES REFER TO ELECTRICAL DRAWINGS FOR SCOPE, DETAILS & SPECS
- REPLACE ALL EXISTING E&L CABLE OUTLETS, MOUNT NEW OUTLETS AND CABLE OUTLETS THROUGHOUT PROJECT AREA
- WALL MOUNTED MOBILE IP TELUS
- WALL MOUNTED PATRIMONY 12 PORT
- SECURITY AND ACCESS CONTROL:
- FOR SECURITY AND ACCESS CONTROL KEYNOTES REFER TO ELECTRICAL DRAWINGS FOR SCOPE, DETAILS & SPECS
- TYPICAL 24X24 IPS INTRUSION ALARM PANEL

ARCHITECT:



www.DCYTarchitecture.ca

CROSS SECTION # / DWG

- WALL TYPE - SEE WALL SCHEDULE FOR DETAILS
- WINDOW TYPE - SEE WINDOW SCHEDULE FOR DETAILS
- SOFT CORNER (CURVED WALL) DET -1
- 120MM CONCRETE ANGLE CORNER GUARD (DET-DIT-)
- WAPM AROUND CORNER GUARD
- GRAB BAR
- HMI
- HANDICAPPED MIRROR
- ABHR
- ALCOHOL-BASED HAND BLM DISINFECTANT
- DEB
- DRY ERASE BOARD
- ELECTRICAL OUTLET
- PHONE OUTLET

J	READY FOR PHOTOCOPY	MAR 8, 2022	Cdr
K	READY FOR CD REVIEW	MAR 8, 2022	Cdr
L	READY FOR DO REVIEW	MAR 14, 2022	Cdr

THIS DRAWING IS THE PROPERTY OF DCYT ARCHITECTURE. REPRODUCTION OF THIS DRAWING IN WHOLE OR IN PART IS PROHIBITED UNLESS WITH WRITTEN PERMISSION.

fraserhealth
CHILLIWACK
IHART

ROOMS 251, 227 & 222 - 45466 YALE ROAD WEST,
CHILLIWACK, BC V2Z 2ZB

2ND FLOOR FURNITURE & EQUIPMENT PLAN

SCALE:
1 : 50
DATE:
FEBRUARY 2022
DRAWN:
CW
CHECKED:
DC
JUN 2022
DCYT2202

A2.02

