



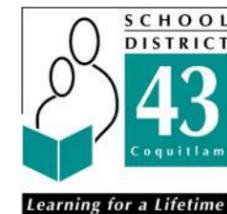
École Irvine Elementary School

REPLACEMENT PROJECT

W e l c o m e

*Public Open House, May 23, 2018*

*Hosted by: School District No. 43 (Coquitlam)*



# Purpose of Today's Open House

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- To provide an overview for the replacement of École Irvine Elementary School
- To present the schematic concept for the new replacement school
- To present the proposed school grounds improvements
- To receive your feedback



# Renewing École Irvine Elementary School

## Why Replacement?

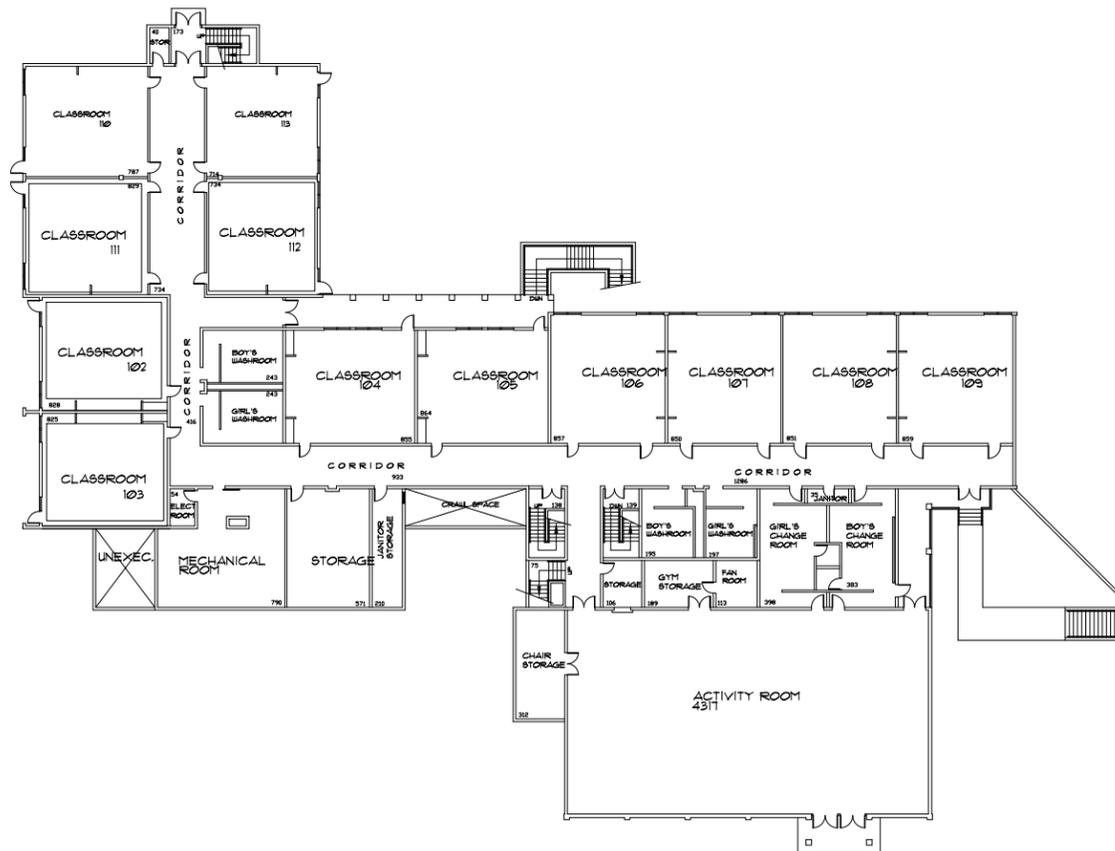
SD43 has undertaken numerous seismic projects in the city, resulting in schools being fully, partially upgraded, or completely replaced. Ensuring seismic safety and meeting the educational needs of each school are the key objectives of SD43.

École Irvine Elementary School has embarked on a school replacement process to create a seismically safe and upgraded school. The school has been rated as a high seismic risk. It also has aging mechanical and electrical systems, and does not meet current life safety requirements such as sprinklers and accessibility.

The critical need to create a safer facility has opened up an opportunity to renew the entire school to support contemporary curriculum needs, create a much more sustainable building, and envision the school as a community-serving Neighborhood Learning Centre (NLC).

This project received support from the Coquitlam School District and the Ministry of Education.

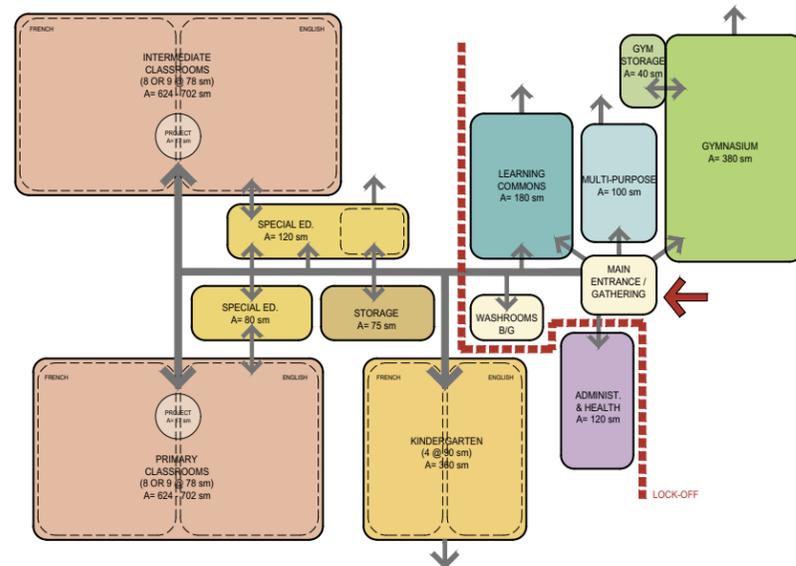
The project is now going through detailed design. A Building Permit submission is scheduled for late 2018 and construction of the new building will start in Spring 2019.



# Key Planning Objectives

## New Learning Environments

- 21<sup>st</sup> Century Learning principles address how elementary schools are designed to match the way education is delivered in a modern context. There are many varieties of these models, ranging from a traditional classroom layout to a more integrated series of rooms for flexible and specialized teaching.



Classrooms are typically connected to a welcoming central entry which connects to the outdoors. Ability to lock-off some rooms is provided to ensure secure community use after hours.

## Implementation + Phasing

- Replacement of an existing school requires carefully considered construction and phasing procedures
- Implementation considerations include: minimizing disruption to the school, site safety, total project length, and temporary accommodation of school functions.
- All school functions are accommodated on site.
- The sequence of the implementation process is contained in the proposed phasing plan.



## Sustainability Objectives

- The replacement school will undertake LEED® Gold program
- A number of sustainable strategies have been identified



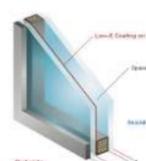
### SITE AND WATER

- Management of stormwater on the site
- Maximize outdoor open space
- Water-efficient plumbing



### ENERGY

- Low energy consuming lighting and high efficiency glazing
- High quality mechanical and HVAC systems
- Sun shading
- Highly insulated walls and roofs



### OTHER CONSIDERATIONS

- #### OPERATIONS
- Proper equipment commissioning

- #### EDUCATION
- School recycling & material sorting programs
  - Using the building & grounds to teach sustainability and environmental stewardship



### RESOURCES

- Building materials with high recycled content and available locally
- Re-use of existing building elements



### HEALTH & WELLBEING

- Natural light and ventilation
- Reduced light pollution



## Neighborhood Fit

- The existing school building conveys a strong presence in the neighborhood and is a community focal point.
- The new school building while expressive of current educational programming will maintain a strong physical presence in the community, support community use, and relate to the neighborhood and the Irvine legacy.



# École Irvine Elementary School REPLACEMENT PROJECT

May 23, 2018





# EXISTING SITE PLAN



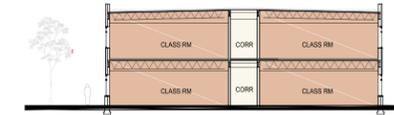
## École Irvine Elementary School REPLACEMENT PROJECT

May 23, 2018

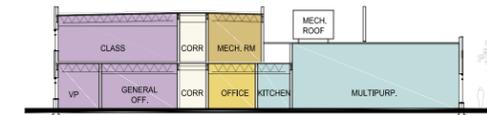


# Preliminary Design

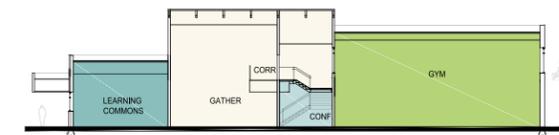
## Second Level 1:200



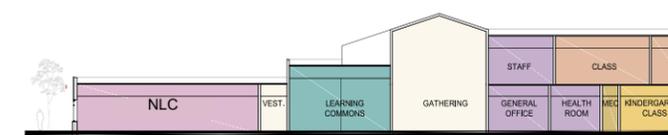
Section A  
1:200



Section B  
1:200



Section C  
1:200



Section D  
1:200

## Ground Level 1:200



# FLOOR PLANS

May 23, 2018



## École Irvine Elementary School REPLACEMENT PROJECT





North-west Perspective



North Perspective



South Perspective

*This is a preliminary architectural concept. The actual school design will be subject to a variety of factors, including input from the School District and funding availability.*



## École Irvine Elementary School REPLACEMENT PROJECT

# ELEVATIONS



- This Landscape Plan illustrates the site features that may be provided in the Irvine Elementary School Project.
- This Plan is subject to budget constraints and may require modifications to conform to funding availability.



*This is a preliminary landscape concept. The actual landscape design will be subject to a variety of factors, including input from the School District and budget constraints.*



## École Irvine Elementary School REPLACEMENT PROJECT

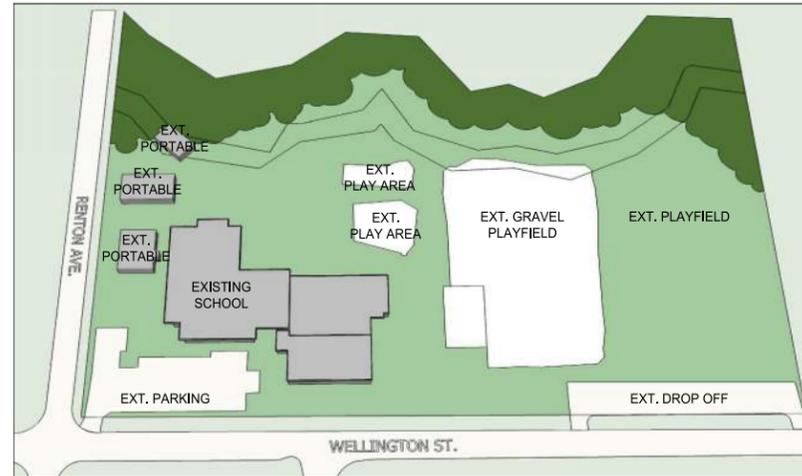
# LANDSCAPE PLAN



## EXISTING

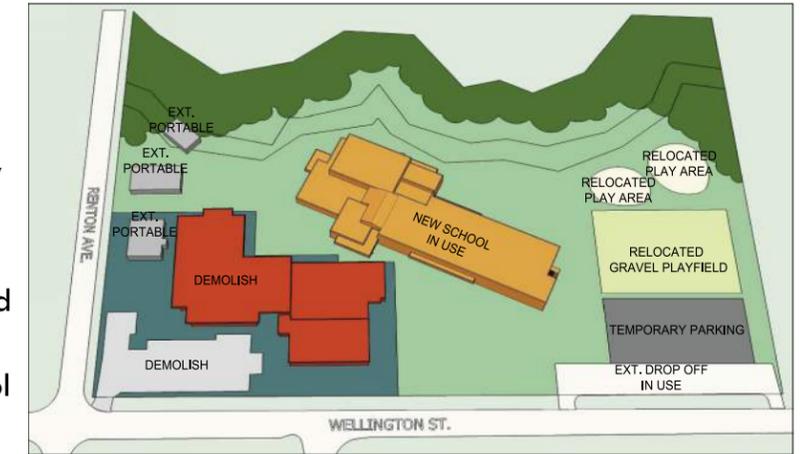
- The existing school building will be demolished after the new school is constructed.

- During the construction of the new school, all school programs will be accommodated in the existing building. No additional portables will be required.



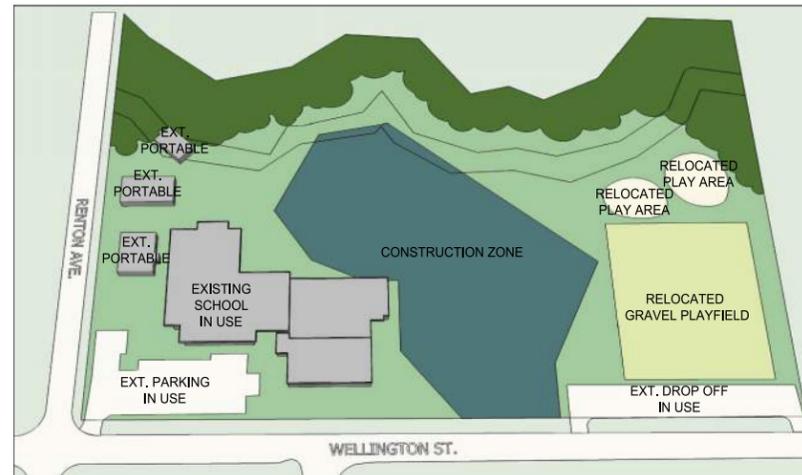
## PHASE 3

- Move into new school
- Provide temporary parking area on gravel playfield
- Install fence around old school
- Demolish old school and parking area



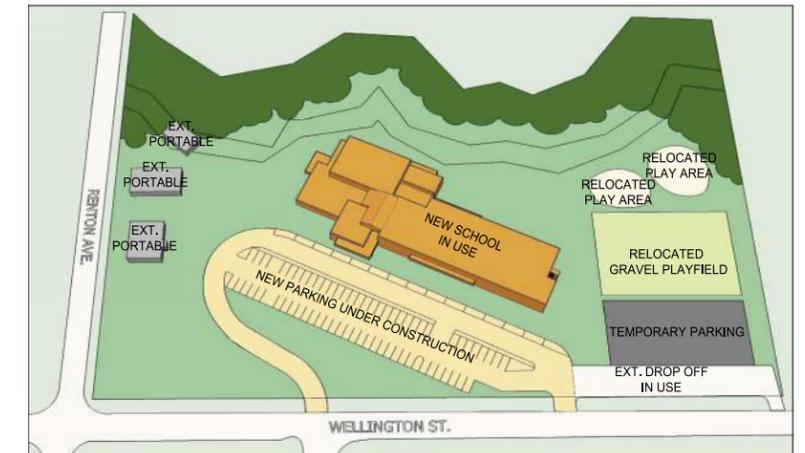
## PHASE 1

- Relocate two play areas to permanent location
- Relocate gravel playfield to permanent location
- Install fence around construction zone



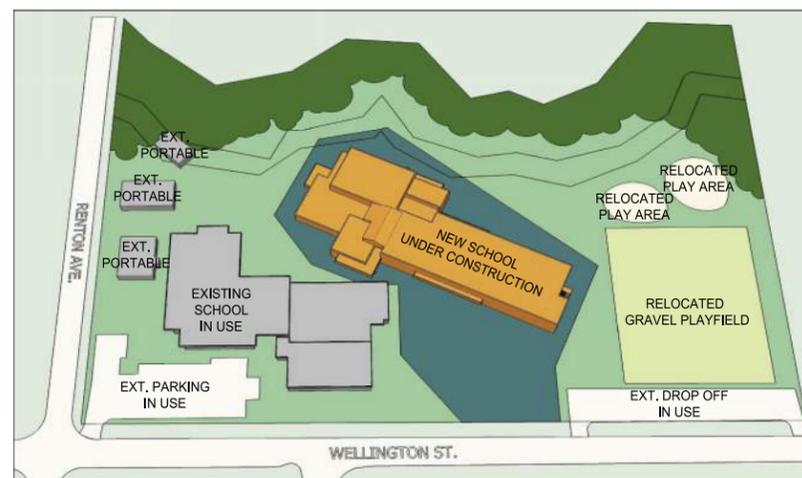
## PHASE 4

- Construct new parking and drop-off area



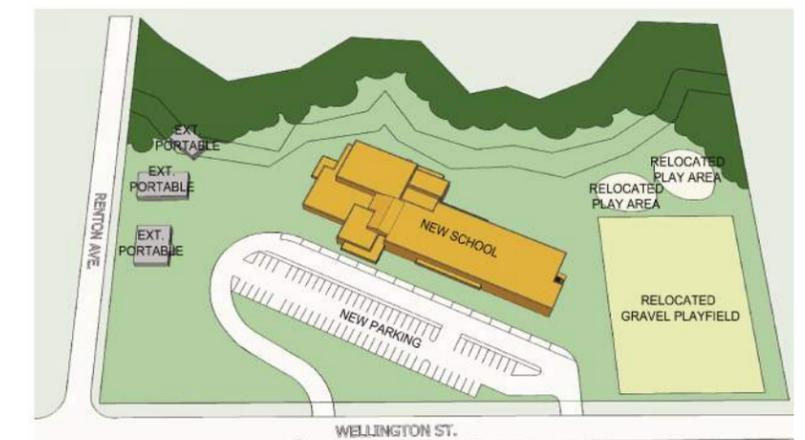
## PHASE 2

- Construction of new school



## PHASE 5

- Remove old drop-off area and extend gravel playfield



# École Irvine Elementary School REPLACEMENT PROJECT

# PHASING PLAN

# Irvine Elementary Outline Schedule\*

## Next Steps

- Design Development to be completed by the Summer of 2018.
- Construction of the new school will start in the Spring of 2019.

*\*This is a preliminary outline schedule. Actual timing will be subject to a variety of factors, including governing authority approvals.*

