

Argyle Secondary



PROJECT SCHEDULE

Phase 1 - New School

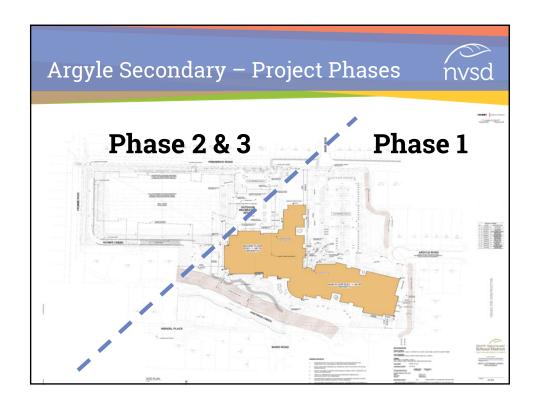
- ☐ Interior fit out & commissions September/October 2020
- □ Occupancy, furnishings & equipment November/December 2020
- ☐ Gym completion & Phase 1 closeout November/December 2020

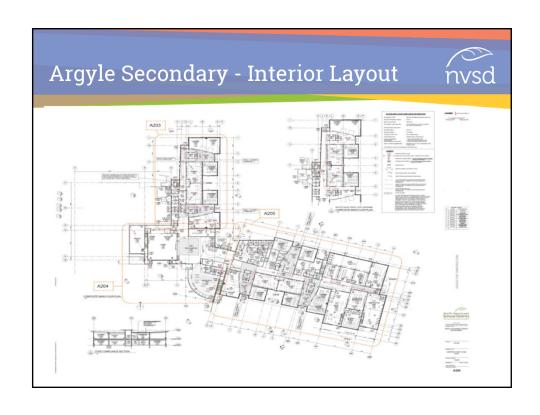
Phase 2 - Demolition

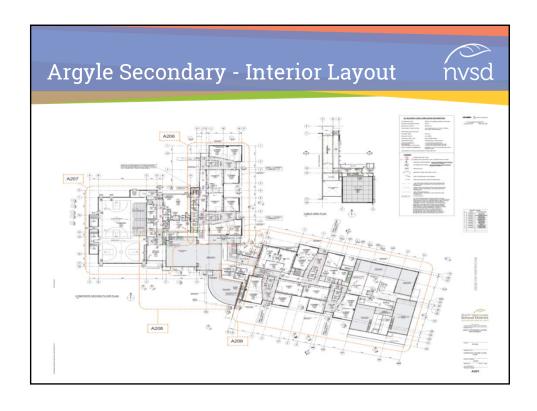
- ☐ Site property (tree barriers/sediment control) December 2020
- □ Hazardous materials abatement of existing school January 2021
- □ Demolition of existing school March 2021

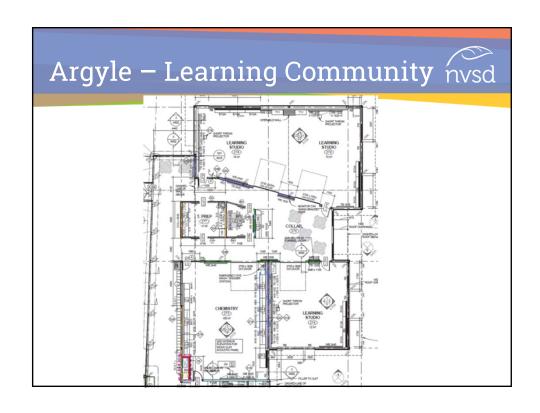
Phase 3 - Site Improvements

- □ Commence construction of new field
- □ Commence daylighting of Kilmer Creek









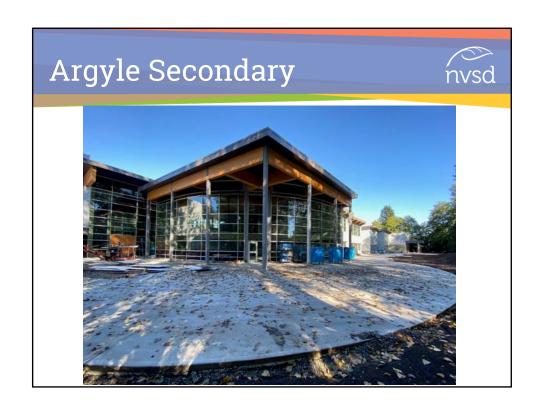
Argyle Secondary – Features & Benefits

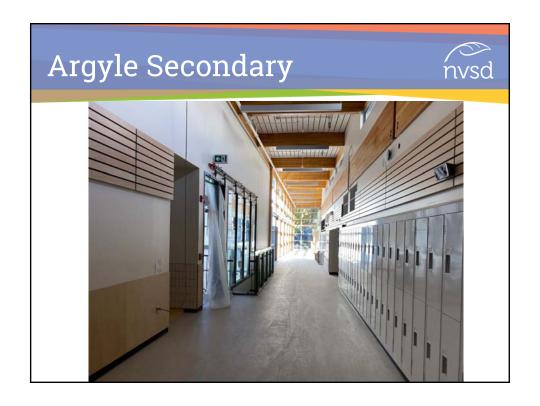


HIGHLIGHTS

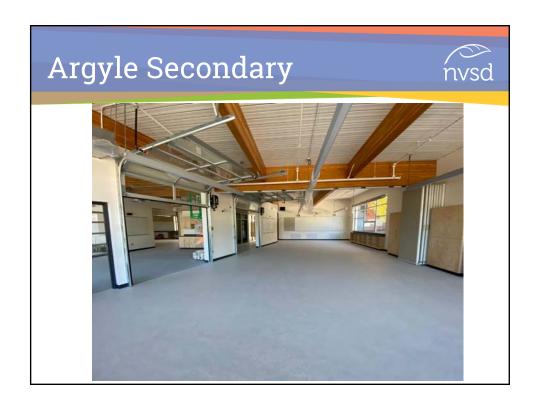
- □ 1,300 student capacity
- □ 21st Century learning environment
- □ LEED® Gold equivalent
- □ Natural daylighting lines of site to the natural environment
- □ LED dimmable lighting systems
- COVID Considerations
 - ✓ Merv 13 filtration
 - ✓ Displacement ventilation systems
 - ✓ Touchless faucets
 - ✓ S-Turn washroom entry's
 - ✓ Outdoor learning spaces
 - ✓ Learning communities have easy access to exterior & natural environments
 - ✓ Rooftop patio

Argyle Secondary Note of the secondary investigation of the s









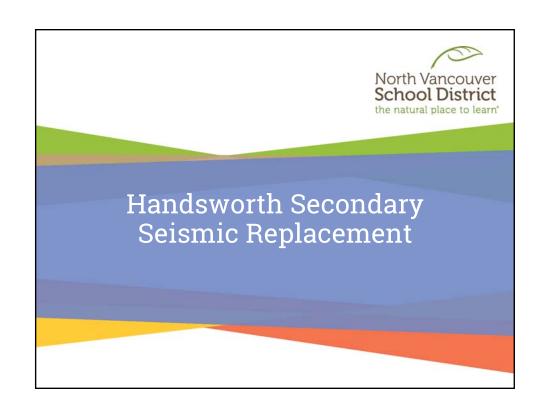












Handsworth Secondary



PROJECT SCHEDULE

Phase 1 - New School

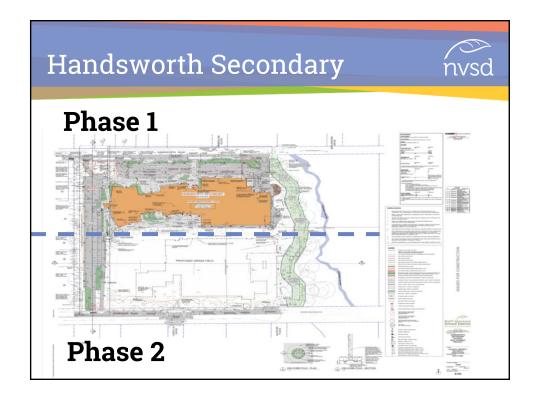
- □ Commence construction of new school February 2020
- □ Substantial completion of new school July 2022
- □ Occupancy and move-in to new school August 2022

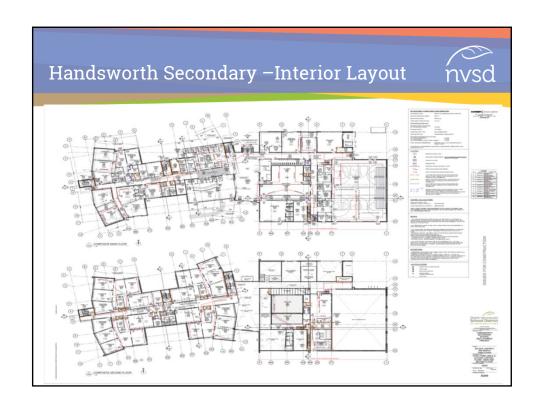
Phase 2 - Demolition

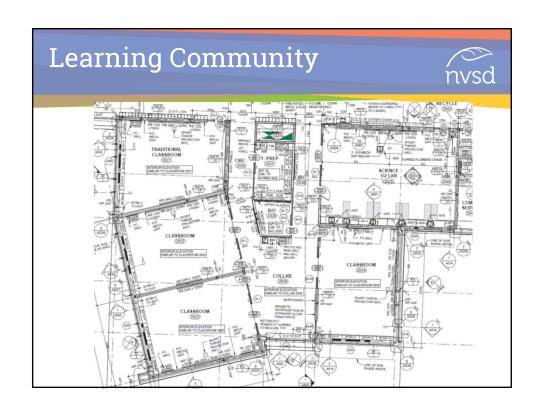
- □ Commence demolition of existing school September 2022
- □ Completion of demolition of existing school March 2023

Phase 3 – Site Improvements

- □ Commence construction of new field April 2023
- □ Riparian improvements at ravine May 2023
- □ Project final completion July 2023







Handsworth Secondary – Features & Benefits



HIGHLIGHTS

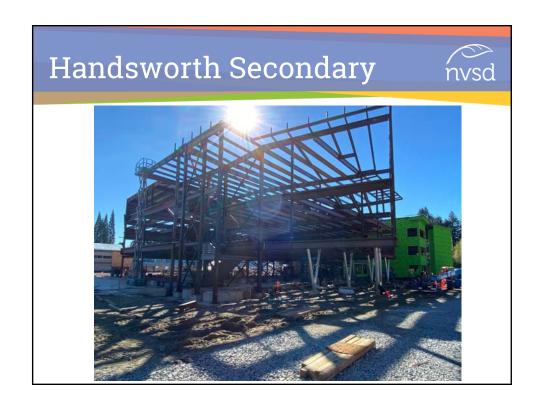
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Handsworth Secondary

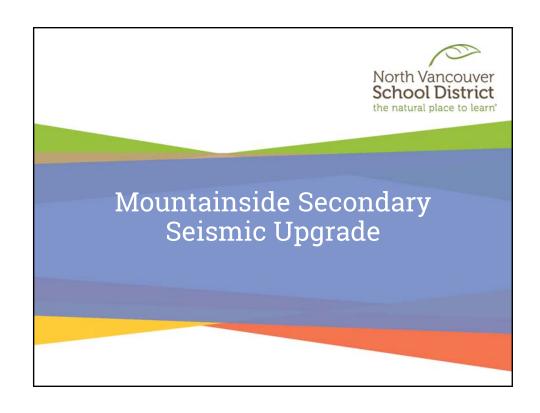












Project Funding Sources



Project is funded by the Ministry of Education Major & Minor Capital Funding Programs

- □ Seismic Mitigation Program
 - ✓ Seismic Upgrade
- □ School Enhancement Program
 - ✓ Windows and Building Envelope Replacement
- □ Annual Facility Grant
 - ✓ Domestic Water Piping Renewal

Project Objective & Design Principles



PROJECT OBJECTIVE

- $\ensuremath{\square}$ Project objective is to seismically upgrade and strengthen the building.
- ☐ Seismic upgrade design is to the general intent of the Seismic Retrofit Guidelines 3rd Edition endorsed by the Engineers and Geoscientists BC and the Ministry of Education.

Project Execution & Phasing Plan



Key Factors

- ☐ Safety of the occupants during construction
- ☐ Constructing within and around occupied building
- ☐ Swing space phased construction / partial occupancies
- ☐ Construction planning, material, staging, parking and access
- ☐ Project location and access to vendors
- ☐ Covid-19 measures to ensure safety within construction areas and compliance within occupied school spaces
- ☐ Day Care

Mountainside Secondary



PROJECT SCHEDULE

Block 1A - November 2020

- ☐ Phase 1 (East End of the Block) Occupied
- □ Phase 2 (West End of the Block) 60 % Complete

Block 1B - March 2021

- □ Exterior Demolition 100% complete
- Exterior Seismic Upgrade 100% Complete
 Overall Completion to Date 10% Complete

Block 1B - Completion September 2021

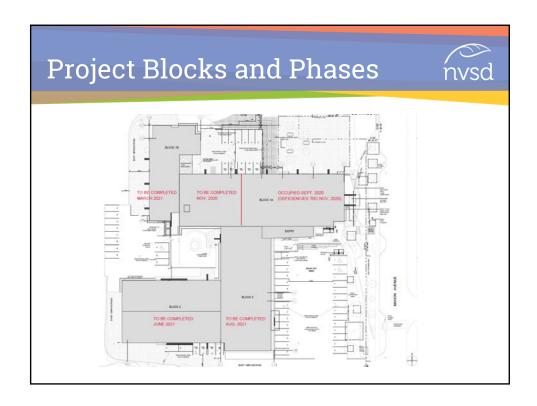
Block 2 Gymnasium - June 2021

- ☐ Crawlspace 100% Complete ☐ Cladding Renewal 80% Complete
- $\hfill \Box$ Overall Completion to Date 40% Complete

Block 3 Admin - August 2021

- ☐ Lower Floor Demolition 70% Complete
- ☐ Overall Completion to Date 10% Complete

Project Substantial Completion - September 2021





HIGHLIGHTS

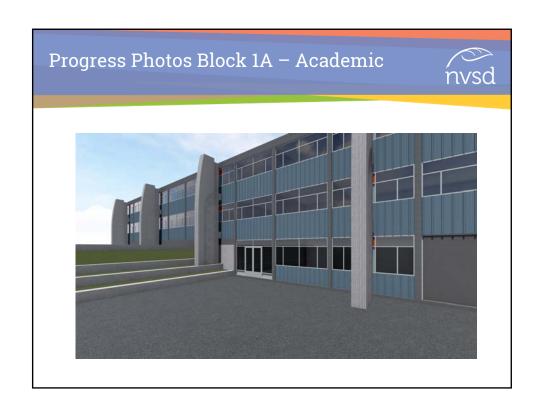
- ☐ New envelope (insulation, cladding, operable windows)
- ☐ New dimmable LED lighting system
- □ New audio visual & PA system
- $\hfill \square$ New domestic plumbing with increased handwashing capacity & touch less faucets
- □ New electrical wiring and distribution panels
- lue Renewed architectural finishes
- □ Integrated classrooms & breakout spaces
- □ Outdoor terraced seating area
- ☐ New gym washroom & change rooms
- ☐ Improved washroom layouts (gender neutral / accessible spaces)
- Improved site drainage
- ☐ Improved ventilation distribution and perimeter heating
- □ Touchless door openers at wheelchair accessible entry's







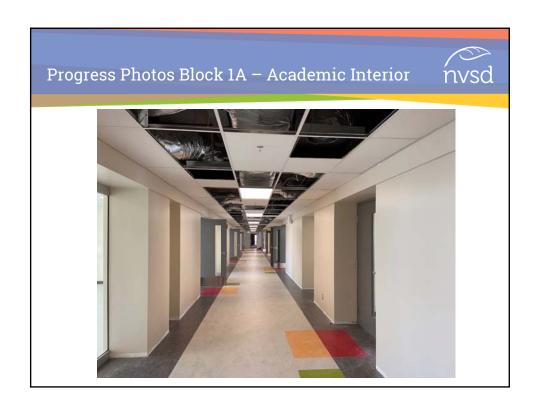










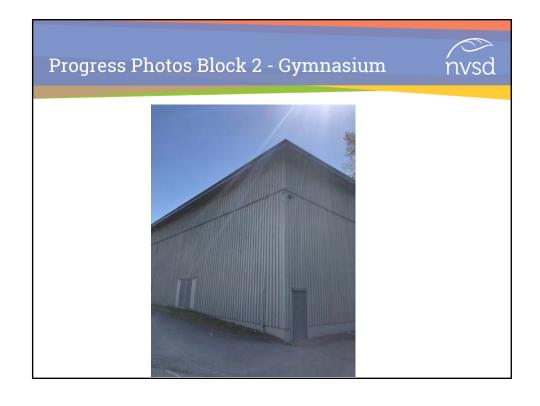
















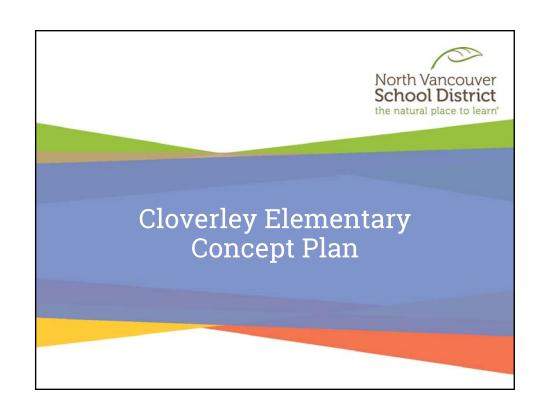












Cloverley Elementary



History of Cloverley Elementary School

- ☐ 1961 to 1982 Cloverley Elementary School was a public school
- ☐ 1982 to 2010 building was leased to a series of different organizations
- □ 2010 to 2014 building was temporarily returned to service during seismic upgrade and renovation of Ridgeway Elementary School and Queen Mary Elementary School
- ☐ After 2014 the school is vacant and based on facility condition assessment done in 2017 considered beyond useful life
- $\hfill \hfill \hfill$
- ☐ Ministry of Education requested that the NVSD proceed with preparation of Concept Plan by December 1, 2020

Approval Process and Potential Schedule



Approval Process and Potential Schedule

- ☐ Long Range Facility Plan Complete
- ☐ Concept Plan December 1, 2020
- ☐ Project Definition Report* Summer 2021
- ☐ Capital Project Funding Agreement*
- ☐ Certificate of Approval*
- ☐ Retain Consulting Team
- ☐ Project Design and Permitting
- Project Tendering
- □ Construction
- * Requires Ministry of Education approvals prior to proceeding to the next phase.

Cloverley Elementary

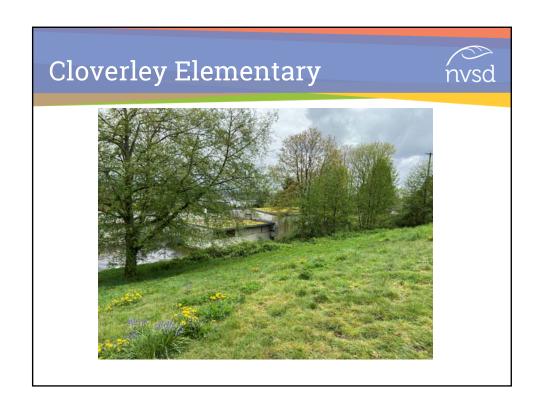


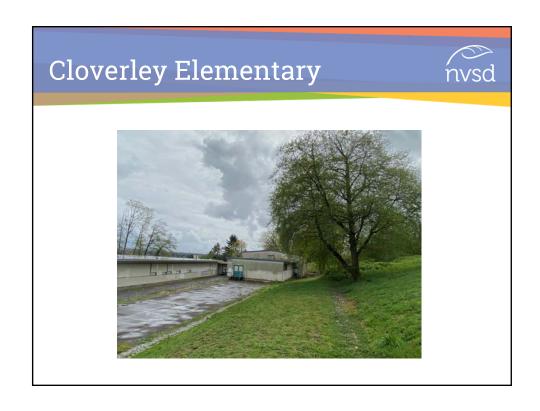
Concept Plan Due December 2020

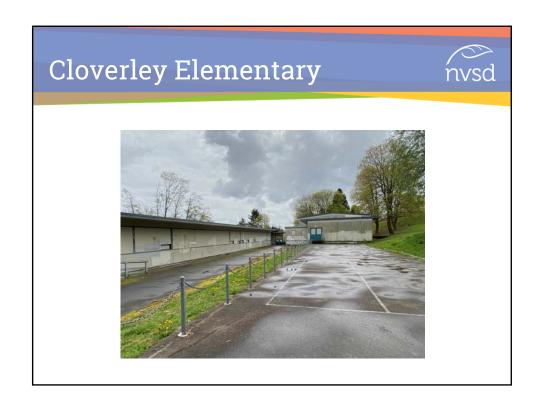
Consultants

- ☐ Consultant DA Architecture
- ☐ Geotechnical and Environmental Thurber Engineering Ltd.
- ☐ HazMat Survey Kinetic OHS Services Ltd.
- ☐ Quantity Surveyor James Bush & Associates Ltd.

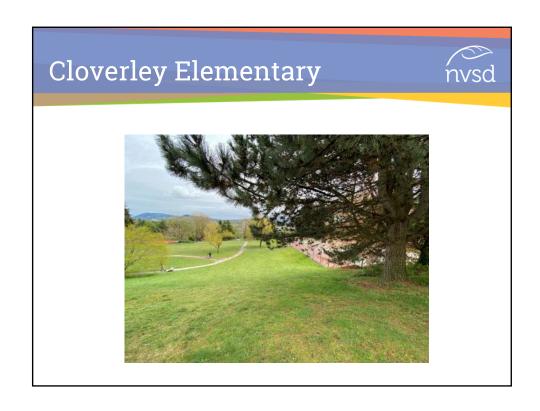
Cloverley Elementary Note of the content of the co

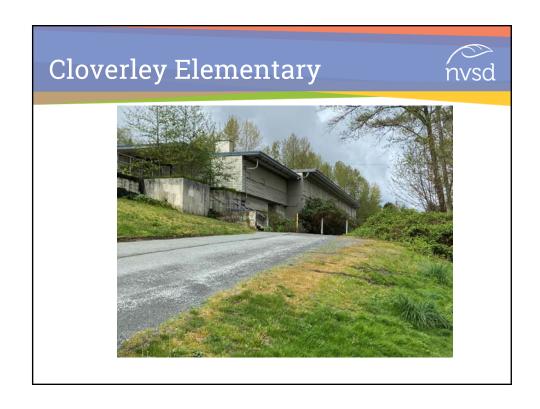


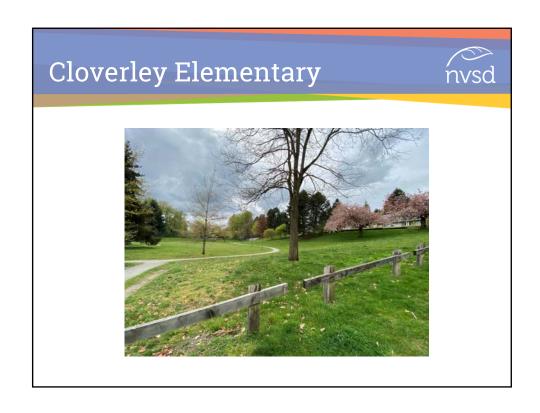


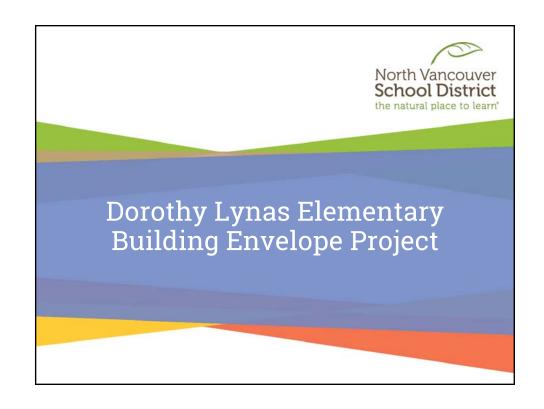












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Dorothy Lynas Elementary

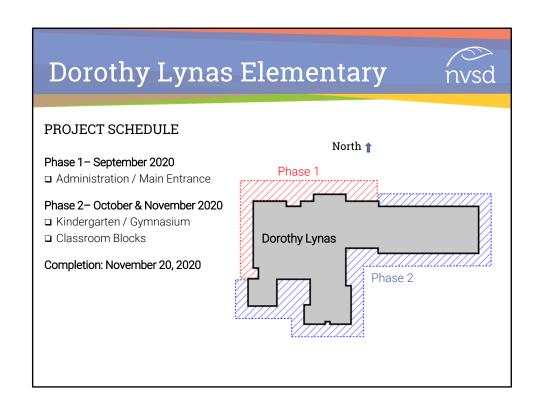


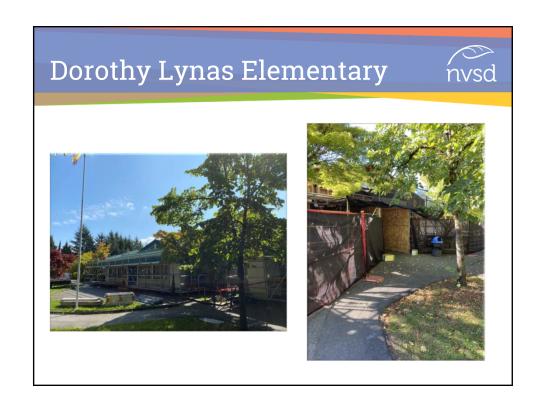
Project Scope

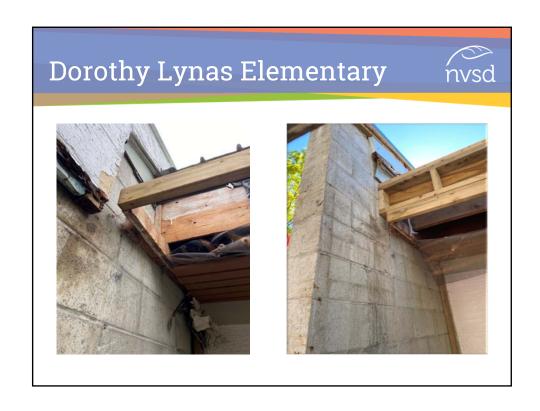
Proactive renewal of aging building envelope details. The project largely focuses on the exterior perimeter face of the building and select fire walls exposed to weather elements.

Highlights at Completion:

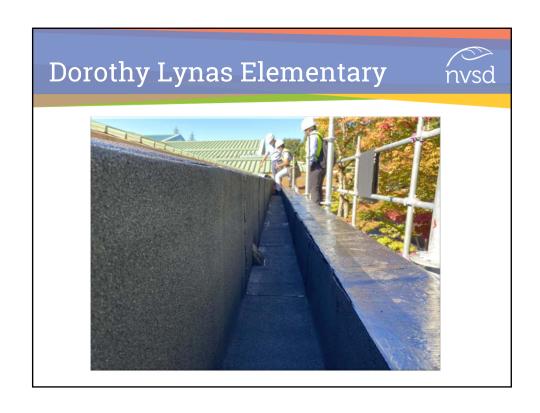
- □ New concealed gutters & associated wood framing
- New metal panel fascia
- □ New windows (gym, multipurpose room)
- ☐ New "rain-screen" envelope on exposed stucco clad walls
- □ Improved building envelope lifecycle
- □ Reduced maintenance costs













AFG Projects Overview



Purpose of the Annual Facilities Grant

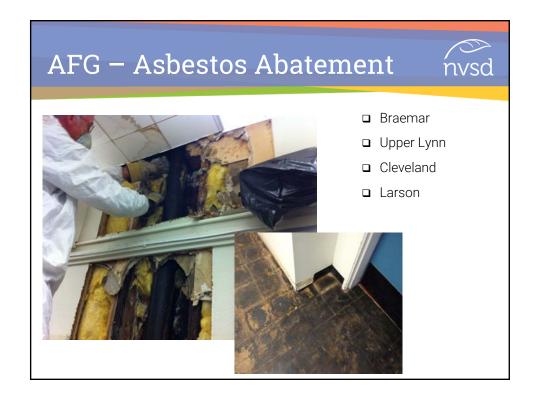
- Increase the economic life of facility assets through proactive lifecycle replacement of base building components.
- □ Prevent premature deterioration of school assets.

AFG Project Categories



- Roof Replacements
- □ Site Servicing
- Site Upgrades
- Loss Prevention Projects
- Asbestos Abatement
- Disabled Access
- Electrical System
- □ Facility Upgrades
- Functional Improvements
- □ Health and Safety Upgrades
- Mechanical System Upgrades

AFG 2020/21 Budget **Budget Allocations** \$18K Asbestos Abatement **Disabled Access** \$44K Electrical Upgrade \$6K \$812K Facility Upgrade **Functional Improvement** \$89K Health & Safety Upgrade \$202K Mechanical System Upgrade \$839K **Roof Replacement** \$427K Site Servicing \$120K Site Upgrades \$274K \$2.831M







AFG – Facility Upgrades - Exterior Envelope Renewal - Floor Renewals/Interior Finishing



AFG – Functional Improvements



□ Classroom & administration office renovations









AFG – Health & Safety Upgrades



- ☐ Fire alarm upgrades (Boundary, Larson, Lynnmour, Lucas)
- Site tree inventories
- Corridor handwashing sinks
- Sutherland bleacher guardrails







AFG – Mechanical Systems



- □ Plumbing system renewals
- □ HVAC system upgrades and renewals
 - ✓ Norgate boiler and heat pumps
 - ✓ Larson portable furnaces and classroom zone valves
 - ✓ Windsor and Sutherland server room AC units







AFG – Roofing Replacements



- Cheakamus Administration building
- □ Boundary Sections 9 & 10
- ☐ Brooksbank Section 6A
- ☐ Sherwood Park Section 2B
- ☐ Lucas Centre Lunch Room & Carpentry
- □ Seymour Heights Portable 16

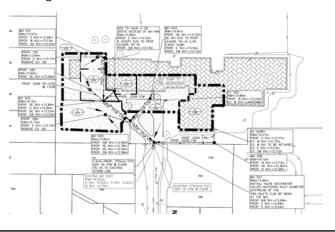




AFG – Site Servicing



□ Lynnmour drainage upgrade – design complete, ready for tendering

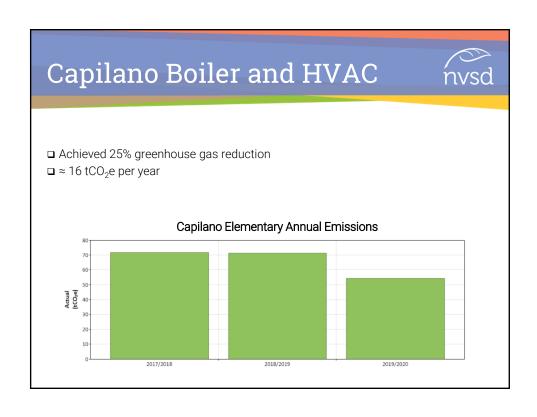


AFG – Site Upgrades



- □ Playgrounds surfacing, drainage, swing mats
- □ Field top dressing
- ☐ Asphalt and walkway repairs
- Retaining walls
- Fencing





Norgate Heating Plant Upgrade



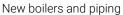
- Boiler system renewal
- Low-carbon electrification pilot
- □ Safety and comfort improvements













New supplementary electric heat pumps



New hydronic coils in rooftop units

Norgate Heating Plant Upgrade





Roof access improvements for safety and convenience





Additional zone control for occupant comfort

Playground Equipment Program (PEP)



- ☐ Third year of annual PEP grant program.
- □ Provides specific funding to procure new playground equipment that is inclusive and universally accessible in design.
- ☐ Universally designed play spaces include adventure-style playground equipment that is designed to meet a range of elementary aged students' needs regardless of ability.

Playground Equipment Program (PEP)



2018/19 Norgate Elementary \$105k PEP Grant







