

593-2024B ADDENDUM 6

CONSTRUCTION OF NORTH GARAGE REPLACEMENT

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID/PROPOSAL ISSUED: April 8, 2025 BY: Arthur Anderson, C.E.T., CCCA TELEPHONE NO. 204 801-7579

THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.

QUESTIONS AND ANSWERS

See attached slide presentation for the Pre-Qualified Bidders' Conference dated March 10, 2025. The following are the attendee questions and the Contract Administrator responses.

Q1a: It mentions in here the form of contract is a City of Winnipeg form of contract, what is that based on, a stipulated price contract or construction management contract?

A1a: The form of contract is based on the Evaluated Bid Price as referenced in Bidding Procedures clauses B18 and B19.

Q1b: Will we get to see that ahead of time?

A1b: Reference General Conditions clause C0.1.1.

Q2: On the slide showing eliminating a cell, that is value engineering, is that what you are planning to do if price comes in too high?

A2: Correct there will be deletions; however, the elimination of a cell will not be the first item to be deleted as referenced in Bidding Procedures clause B10.2. The Contract Administrator will be issuing Section 01 23 00.01 in a future addendum.

Q3: Are you trying to keep function of building as best you can and trim the fat (value engineering)?

A3: Correct if the bid price exceeds the funds available for this Contract as referenced in D3.2, evaluation of the bids will be in accordance with B18.4, and as referenced in B18.4 (b) Addendum 1.

- Q4: How close was your cost estimate when you did it previously?
 - A4: The Contract Administrator's cost estimate is proprietary and will not be disclosed.
- Q5: Are details for the test pit program spelled out in the Section 02 61 00 somewhere as to who is doing them and how many, and what the criteria is?
 - A5: Section 02 61 00 clause 1.10.1 was deleted as referenced in Addendum 3.

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Q6a: How about cost associated with removing and handling the contaminated material if it's found, you mentioned there is some estimated quantities in the bid package that give us an estimated amount for the contaminated and estimated?

A6a: Reference Form B (R1): Prices for the description and quantity.

- Q6b: What if it ends up being more or less than that?
 - A6b: Reference General Conditions clause C0.1.1, General Conditions for Construction, C7.5.
- Q7: In the Bid form, everything that is a Unit Price tender price for A to E, is that everything outside of the building footprint?
 - A7: No. Some items outside the building "footprint" maybe embedded in the lump sum portion as referenced in the Part E Specifications.
- Q8: Except for the electrical components, we don't see any electrical operating there, you have the light poles, the plugs. The electrical onsite, is that part of the building cost?

A8: Correct. Reference Form B (R1): Prices, item G.18, Building.

Q9: You have electrical components, you have heater plugs, and light standards outside the building footprint, is that not part of the building electrical cost, under Building G on the form?

A9: Correct. Reference Form B (R1): Prices, item G.18, Building.

Q10: All other site cost is accounted for in the unit prices?

A10: Reference Form B: Prices for the different descriptions and reference the Part E - Specifications.

Q11: Question on PST was submitted Friday, is it to be included or excluded? Says in B10.1, prices on Form B shall not include the Manitoba retail sales tax, MRST also known as PST, which shall be extra if applicable. On the bid form no mention of that. Please clarify.

A11: Reference Addendum 5.

Q12: With spring break planning during this tender period and the heavy breakdown requested, there has to be a lot of discussion with trades to understand what they are pricing. Requesting at least a two-week extension to closing date.

A12: Reference Addendum 2.

Q13: Division 23 was missing.

A13: Reference Addendum 1 and supplementary Addenda accordingly.

Q14: Is Commissioning Authority paid for by the City? In section 01 91 00 who pays for the cost of the commissioning authority?

A14: Commissioning Authority (CxA) as listed in Section 01 91 00 will be paid by the City as a subcontract to the Contract Administrator.

Q15: There is mention of a covered walkway, can you identify locations where we require a covered walkway?

A15: Clause 3.1 was deleted, as referenced in Addendum 3.

Q16: There was an item in Quality Requirements Section 01 40 00, item 1.1.2, to carry cost of travelling, lodging and food expense of the Contract Administrator and the City, need to clarify what costs the contractor shall pay for travel, lodging and food expense.

A16: Clause was deleted, as referenced in Addendum 3

Q17: In the same spec section (01 40 00), there is mention of cash allowance, but not seeing in documents, any Cash Allowance to carry?

A17: No cash allowance is presented in Form B: Prices. In a future Addendum the Contract Administrator will clarify Section 01 40 00 Quality Requirements clause 1.4 Quality Control – Testing.

Q18: Is independent testing and inspections carried by AECOM or the City? It is identified in specific items like design mixes, etc. to do with concrete compaction. Item 1.3.7 in Section 01 40 00 talks about testing agency qualifications, question is who is independent testing agency for testing inspections?

A18: Independent testing agency will be hired by the Contractor as a part of the Contractor's lump sum cost to conduct the necessary project testing as identified in individual Part E - Specification Sections.

Q19: Is there a finish schedule for the parts storage room, and the mezzanine stairs couldn't see on the drawing, and for parts storage. Email was sent today for follow up.

A19: In a future Addendum, the Contract Administrator will be providing the room finishing schedule. The Parts Storage stair and Maintenance Garage stair can be found in Addendum 3 Drawing 30-A-406.

Q20: There's a cast-in-place sump pit that is listed in specs and drawings as cast-in-place but no details on it on Drawing 00-P-601, 5.25 m deep, 3 cells to it. Can we get clarify on it. On gridline 14, it's exterior right at building where weeping tile leads into it. Will send in RFI.

A20: In a future Addendum, the Contract Administrator will provide the design details of the multi cell Subsoil Drainage Chamber.

Q21: Does Prairie Green landfill take soil contaminated with hydrocarbons? Typically, do they not send soil contaminated hydrocarbons to Ile des Chenes?

A21: Prairie Green Landfill accepts soil contaminated with hydrocarbons. Mid Canada Environmental Services Ltd. also accepts soil contaminated with hydrocarbons.

Tender No. 593-2024B North Garage Replacement

Pre-Qualified Bidders' Conference March 10, 2025



Introductions

City of Winnipeg

Dillon Consulting

AECOM

Entuitive





Land and Water Acknowledgement

I would like to acknowledge that we are in Treaty One Territory, the home and traditional lands of the Anishinaabe (Ojibwe), Ininew (Cree), and Dakota peoples, and in the National Homeland of the Red River Métis. Our drinking water comes from Shoal Lake 40 First Nation, in Treaty Three Territory.



Safety Moment - Distracted Driving



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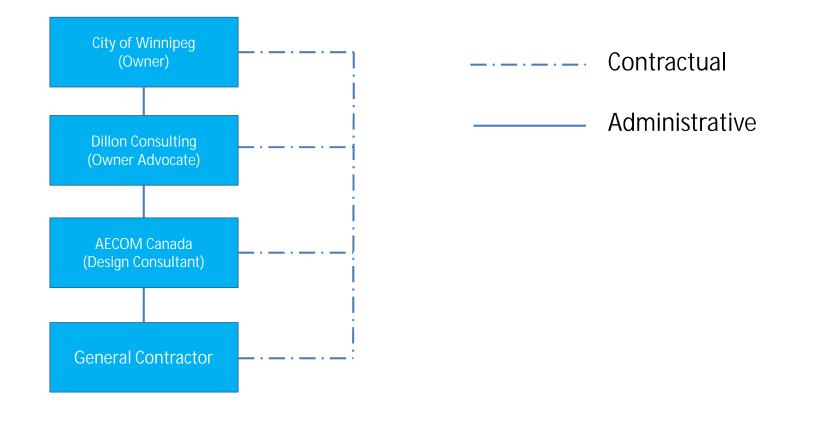
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North Garage Replacement

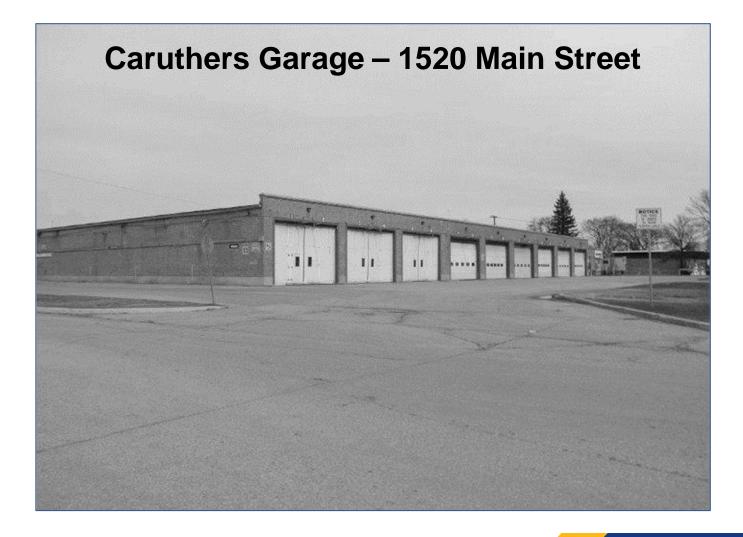
Winnipeg Transit Adolfo Laufer



Project Organization Chart









Why is a new Transit garage needed?

The existing North Garage, located at 1520 Main Street, at the end of its life.

This garage is Transit's oldest facility and in poor condition. It is on a five-acre lot that is not big enough for a new garage or future growth.

Replacing the North Garage is considered a City of Winnipeg priority supported by the:

- Winnipeg Transit Master Plan
- Transportation Master Plan 2050 (under development)
- Transition to Zero-Emission Bus Program





Investing in Canada Infrastructure Plan (ICIP)

ICIP Funding Streams

ICIP is divided into four streams:



Public Transit Infrastructure Stream (PTIS)



Community. Culture and Recreation Infrastructure Stream (CCRIS)



Green Infrastructure Stream (GIS)



Rural and Northern Communities Infrastructure Stream (RNCIS)



Transit North Garage Replacement



CURRENT COST ESTIMATE



+ \$ Eligible for cost sharing with other levels of government

Description

MAINTAIN

The proposed project would see the replacement of Winnipeg Transit's existing North Garage currently located at 1520 Main Street at a new location. The project includes the development of an energy efficient bus storage and maintenance facility with increased bus capacity, designed to facilitate the transition to an electric bus fleet.

The project budget remains in \$200 million, including cost of land, consultant engineers, long lead equipment, MB Hydro feeder line, etc. bringing the available funds for this Tender for Construction at \$145M as written in the Tender document.



Project Overview

One of Winnipeg Transit's highest priority infrastructure projects.

The garage will have the required infrastructure to not only store all type of buses but also, service, maintain, repair and fuel or charge them.

It will open mainly as a diesel garage but ready to operate as a facility for zero emission buses in the future.

The following are the general requirements of the North Garage Replacement:

- LEED Silver Certified facility
- Storage capacity of 207 x 40-ft equivalent buses, including 24 Battery Electric
- Bus Servicing, diesel and electric
- Bus maintenance area with 6 x 60-ft bus fully equipped repair bays
- Parts storage
- Administrative building: dispatch offices, drivers areas, lunch and training rooms, lockers
- Employee and visitor parking
- Electrical substation
- Ready for future transition to ZEB



Site selection

When selecting a site for the new bus garage, Transit looked for sites that were:

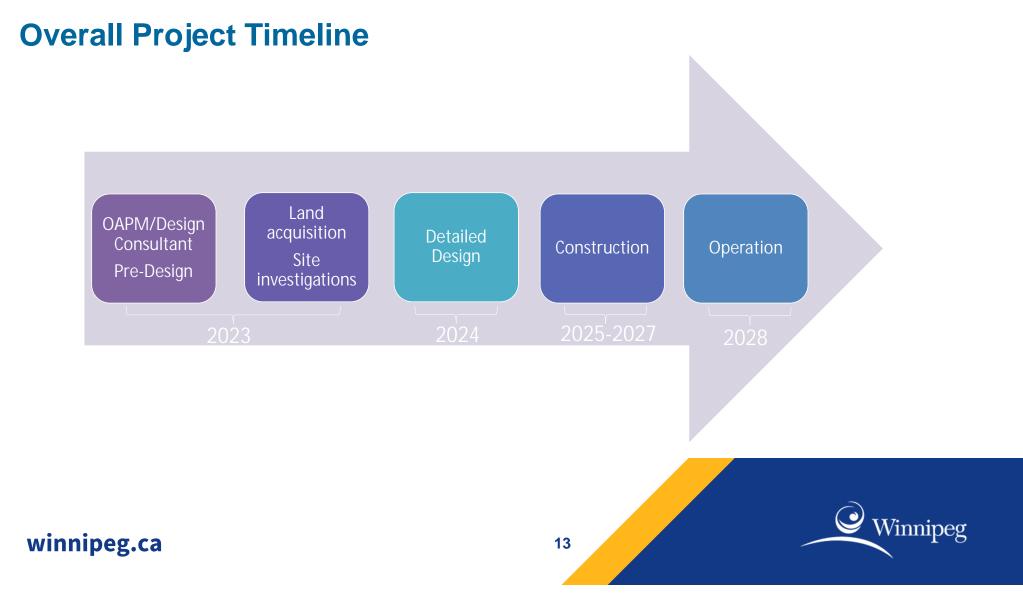
- Large enough to accommodate future growth
- Within City limits
- Aligned with the Primary Transit Network
- Preferably City-owned land

The new garage site also offers the following advantages:

- Access to a major transportation route
- Proximity to Red River College
- Industrial setting
- Direct access to the traffic lights at Selkirk Avenue
- Adjacency to future high-frequency Transit routes







North Garage Replacement

Key Dates, Tender Documents, Permits and 1045-2024 Long Lead Supplier Interface

Presented by Arthur Anderson (AECOM/Contract Administrator)



Key Dates

- Uploaded to MERX on Friday February 28, 2025. All Bidders were notified including the Winnipeg Construction Association.
- Submission Deadline is 12:00 (noon) Winnipeg time, April 11, 2025 (reference clause B2).
- City intends to award this Contract by June 18, 2025 (reference clause D18.4)
- Substantial Performance by September 1, 2027 (reference clause D21).
- Total Performance by October 30, 2027 (reference clause D22).



Tender Documents

- Bids only accepted electronically through MERX.
- Addendum(s): Uploaded through MERX.
- Substitutes (clause B7).
- Bid Components (clause B8):
 - Form A: Bid/Proposal completely infilled (including addendums) and authorized signatory applied.
 - Form B: Prices, completely infilled.
 - Form G1 (clause B14): Bid Bond and Agreement to Bond (referencing Form B: Total Bid Price)
- Bidder Enquiries to Contract Administrator, Arthur Anderson (clauses B4.1 and D6.1)



Tender Documents Continued

- Insurances
 - City is supplying Owner-controlled insurance for:
 - Wrap-Up Liability (however Contractor responsible for deductibles)
 - All Risks Course of Construction Insurance (however Contractor responsible for deductibles)
 - Contractor responsible for:
 - Commercial General Liability (\$10.0 Million)
 - Automobile Liability (\$5.0 Million)
 - Contractors Pollution Liability (\$2.0 Million)
 - All Risk Property Insurance (miscellaneous items owned/rented by Contractor)



Permits

- Contract Administrator is working through the Development Permit
- Contract Administrator is working through the Commercial Building Permit
- Contractor will be named in the above permits as necessary.
- All other permits are the responsibility of the Contractor.

Tender No. 1045-2024 Long Lead Supplier Interface:

- You are responsible to off-loading and install the prescribed Long Lead items.
- Long Lead item transfer of ownership occurs once the Long Lead items arrive on-site.
- You are responsible for securing and storage of the Long Lead items.



North Garage Replacement

Site Plan

Presented by Brad Cook/Greg Karman (AECOM)

Environmental Remediation

Presented by Kimber Osiowy (AECOM)



Civil Works

The Civil elements of the project include both off-site and on-site works:

Off-Site Works

- Bus Access from Oak Point Highway across from Selkirk Avenue
- A 3.5 m wide southbound right turn lane on Oak Point Highway at Selkirk Avenue
- Modification of the existing traffic signal at the Oak Point Highway and Selkirk Avenue to a 4-leg configuration (design and installation by Public Works)
- Staff Access from Oak Point Highway at an existing median opening
- A 3.5 m wide northbound left turn lane on Oak Point Highway at the new Staff Access
- Reconstruction of Hyde Avenue from Oak Point Highway to the east site property line
- A 3.5 m wide Active Transportation (AT) path on the south side of Oak Point Highway that extends from Selkirk Avenue to the visitor parking area.



Civil Works

On-Site Works

- Bus and Staff Access constructed in plain-doweled concrete
- An asphalt visitor parking area in the northwest area of the site
- An asphalt staff parking area with 158 stalls in the west area of the site
- Fully reinforced concrete pavement around the periphery of the building (bus aisle and building aprons) where heavy bus and maintenance vehicle traffic is anticipated
- A concrete sidewalk system in the west portion of the site linking the visitor and staff parking areas to the north and west faces of the building (office area)
- Land Drainage Sewers including a dry pond on east side of site
- Watermain and wastewater connections



Civil Works - Specifications

Work and materials will be in accordance with City of Winnipeg Standard Construction Specifications.

Additional supplemental specifications in PART E and Appendix A

Highlighted variances:

- Excavation definitions and payment
- Clay cut off wall
- Asphalt paving specification
- Payline for depth classifications for sewer and water
- Oil and gas resistant gaskets for all watermains
- FRC (fibre reinforced coating) DI watermain connections



Civil Works – Excavation Materials

The Transit Garage property includes a defined landfill and hydrocarbon contaminated areas. In the remainder of the site, it is expected that both clean and contaminated clay material will be encountered. Each of these materials is treated differently in terms of where it can be placed on-site, or how it must be disposed.

The various excavation materials are listed as follows:

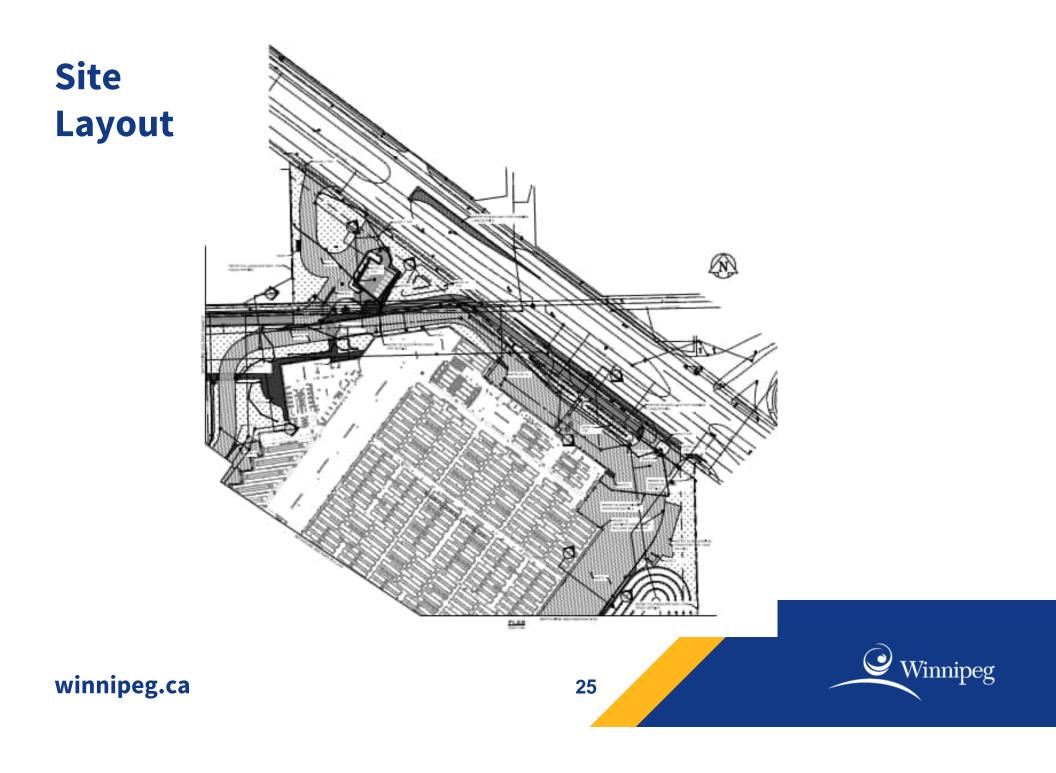
- Landfill Contaminated Material Includes all landfill material excavated from the defined landfill area after removal of the clay cap. Landfill material must be disposed at Prairie Green Landfill.
- Hydrocarbon Contaminated Material Includes hydrocarbon contaminated material excavated from the identified APEC 1 and APEC 2 areas of the site (previously developed as gas stations). All hydrocarbon contaminated material must be disposed at Prairie Green Landfill.

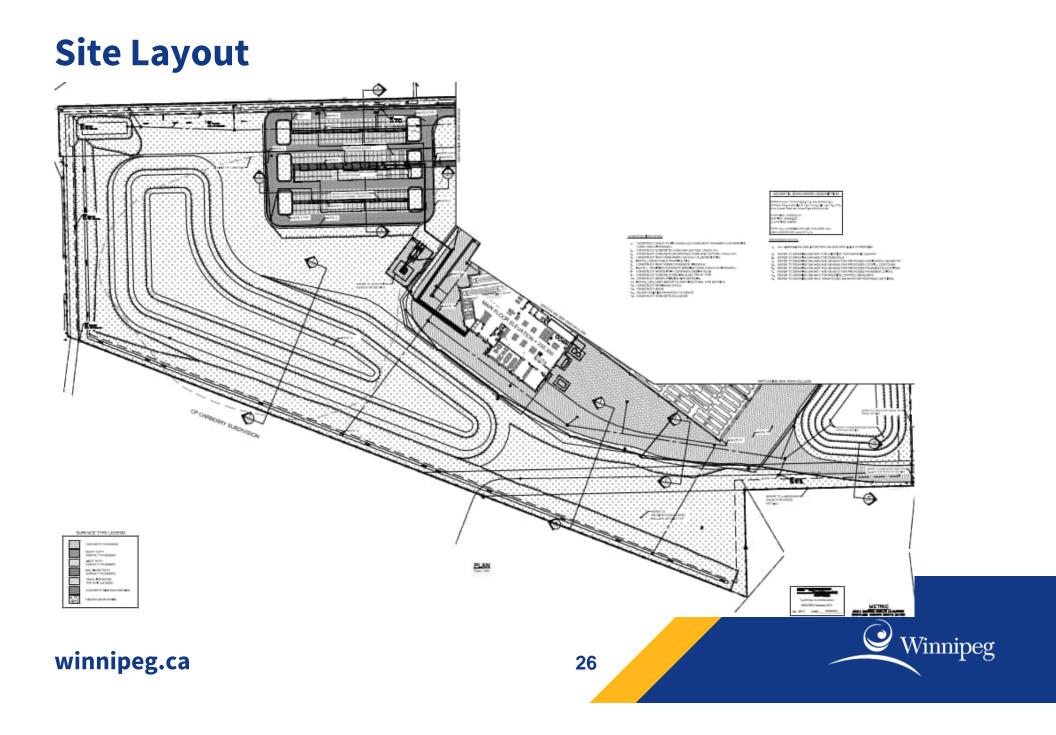


Civil Works – Excavation Materials

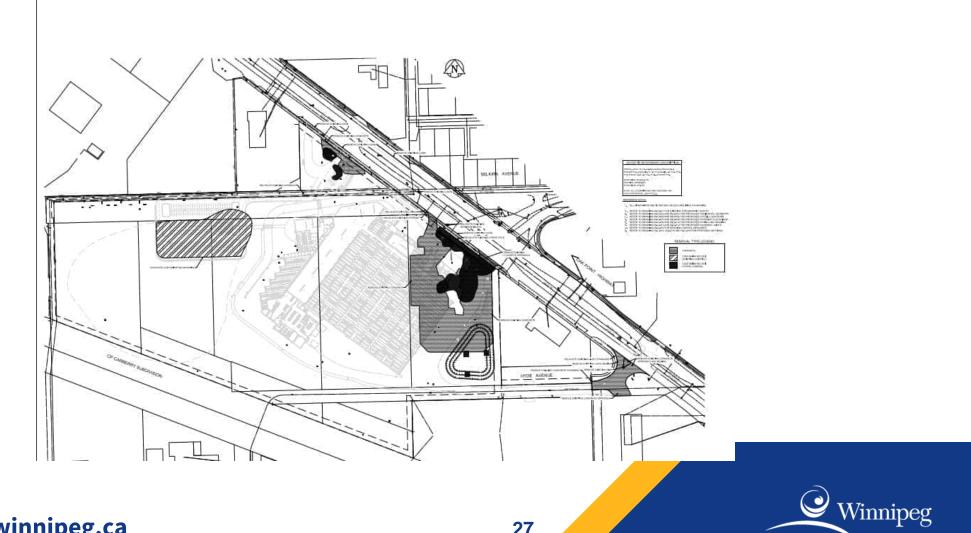
- Suitable Site Material Includes all suitable site material (clay). Based on a test pit program to be carried out after award, suitable site material will be classified as "clean" or "contaminated".
 - Clean suitable site material can be utilized as fill under roadways, as part of landscape berms, or as clay cap material. Excess clean suitable site material will be disposed as per City of Winnipeg Standard Construction Specifications.
 - Contaminated suitable site material can be utilized as fill in paved areas or as part of landscape berms. Excess contaminated suitable site material will be disposed at Prairie Green Landfill.
- Unsuitable Site Material Includes unsuitable site material (silt, construction debris). Based on a test pit program, unsuitable site material will be classified as "clean" or "contaminated".
 - Clean unsuitable site material will be disposed as per City of Winnipeg Standard Construction Specifications.
 - Contaminated unsuitable site material will be disposed at Prairie Green Landfill.





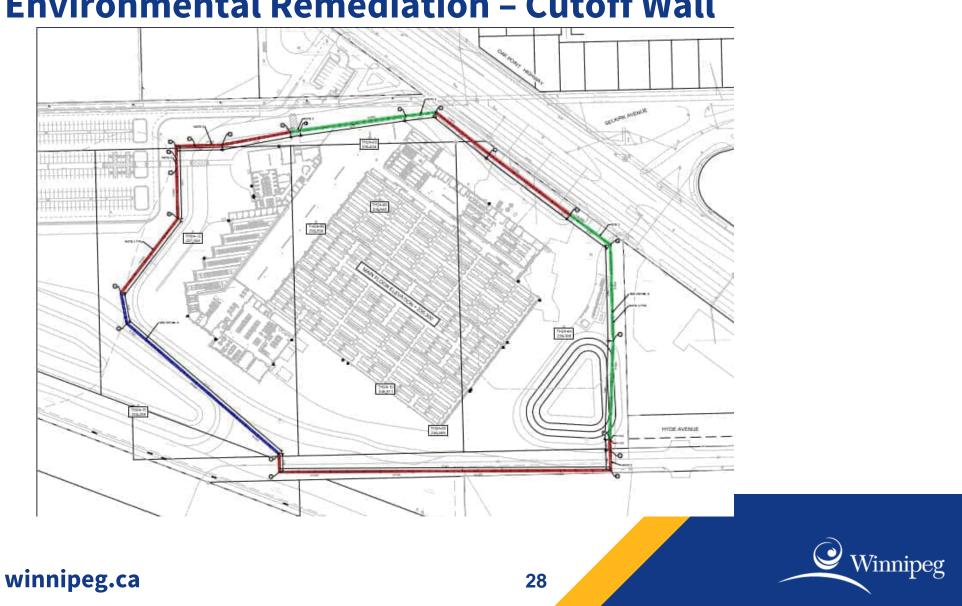


Environmental Remediation – Former Landfill Area



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Environmental Remediation – Cutoff Wall

Environmental Remediation

Preconstruction Test-Pitting Program to Confirm Distribution of Contaminated Soils

Clay Cutoff Wall to Control Groundwater and Methane Gas Migration

Clay Cap in undeveloped areas of the site

Environmental Protection Plan submittals required

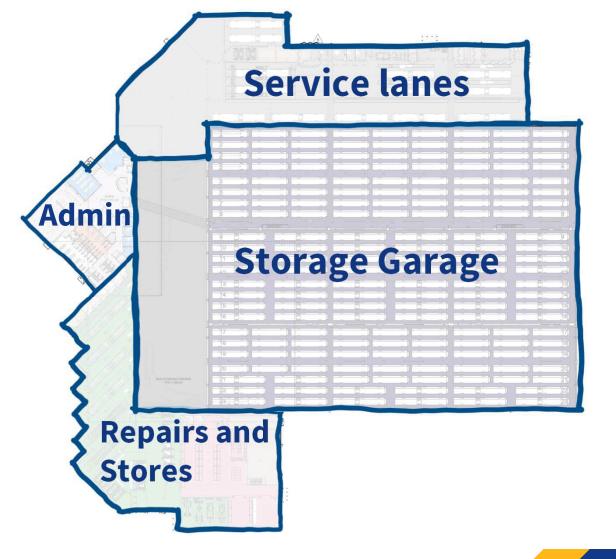
- Soil management plan
- Erosion and Sediment control plan
- Stormwater Management plan
- Site Work plan
- Spill Control plan
- Solid Waste Disposal plan
- Air Pollution control plan
- Wastewater Management plan



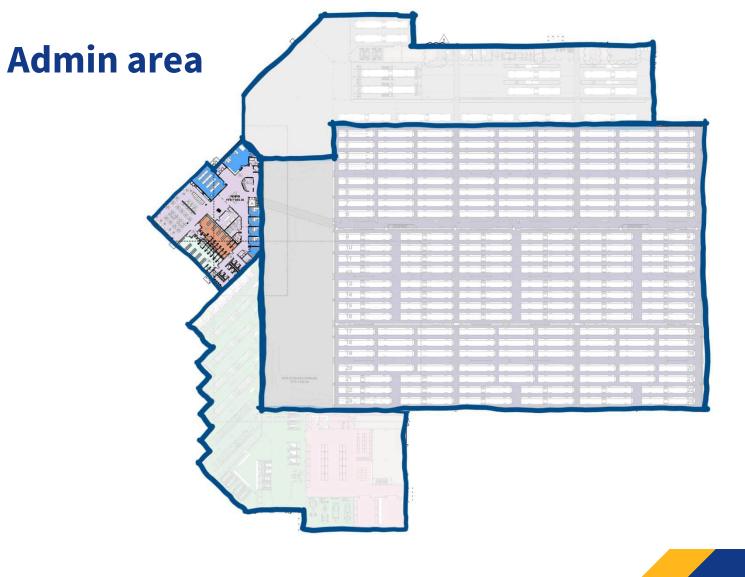
North Garage Replacement

Building Ross Fleith (AECOM)



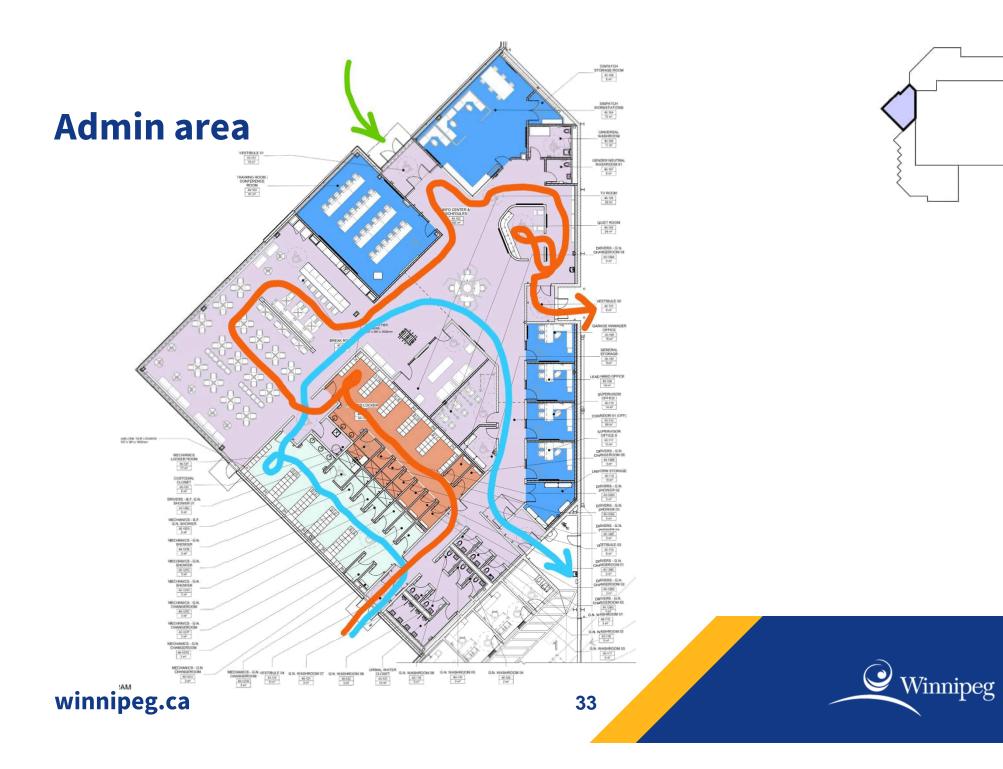


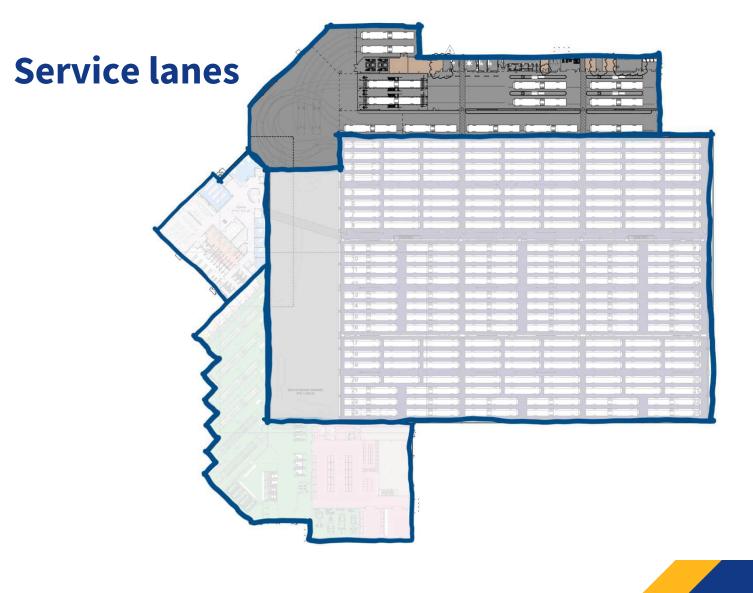




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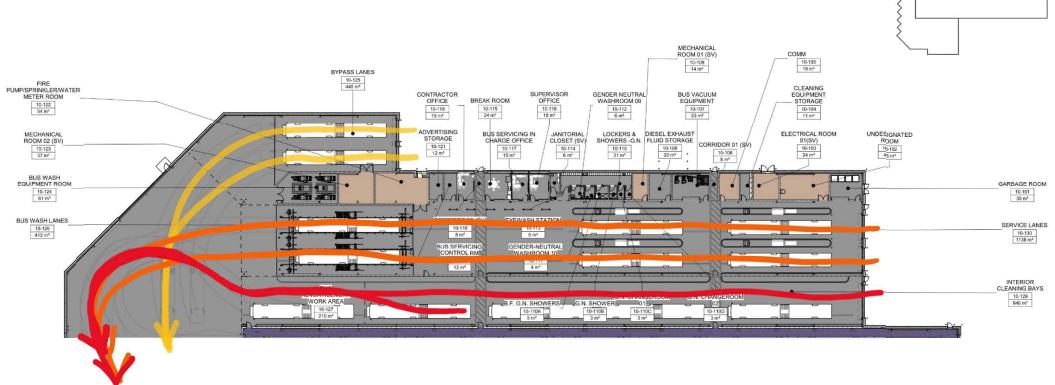






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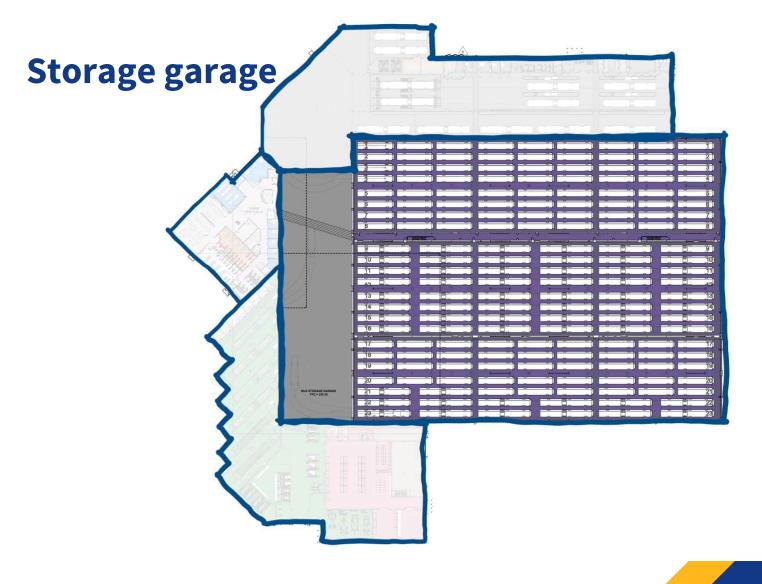




Service lanes

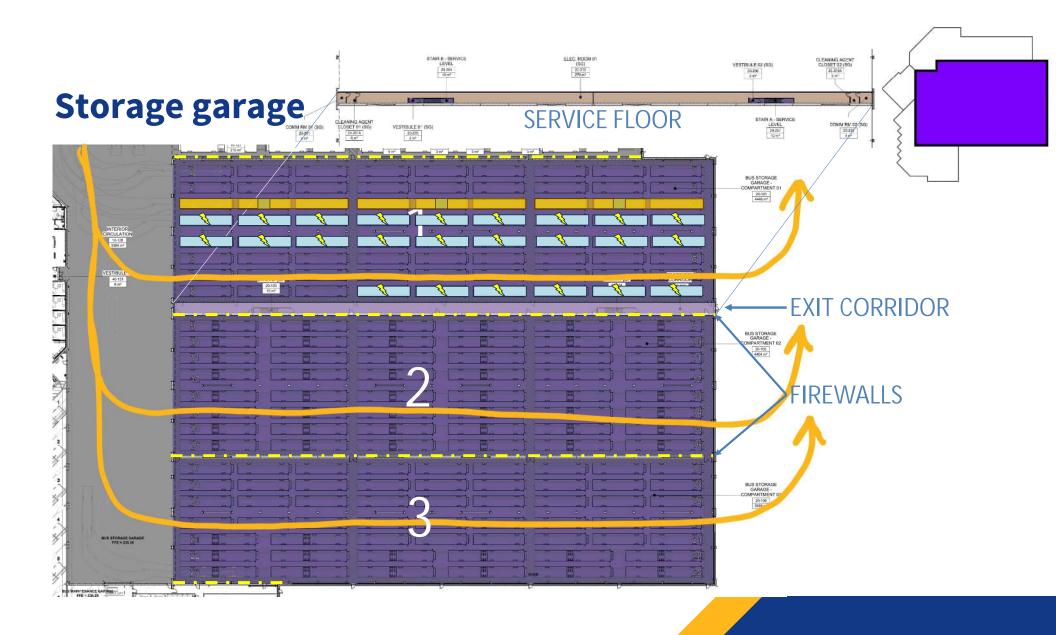






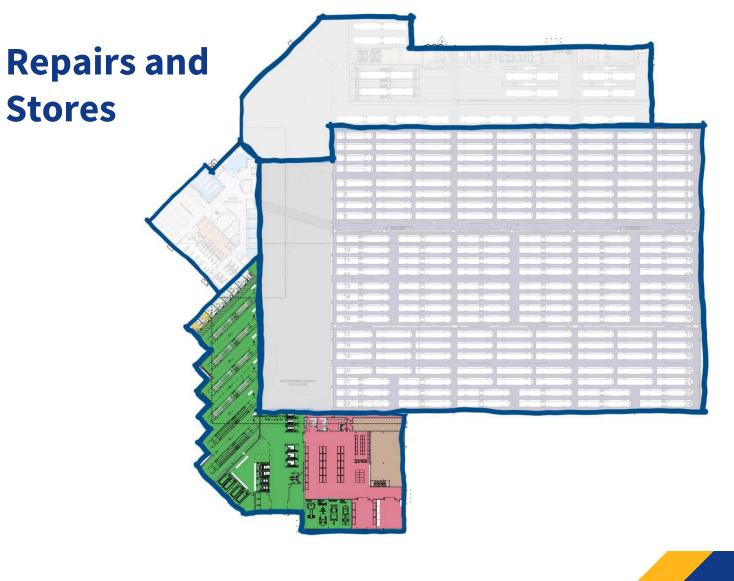


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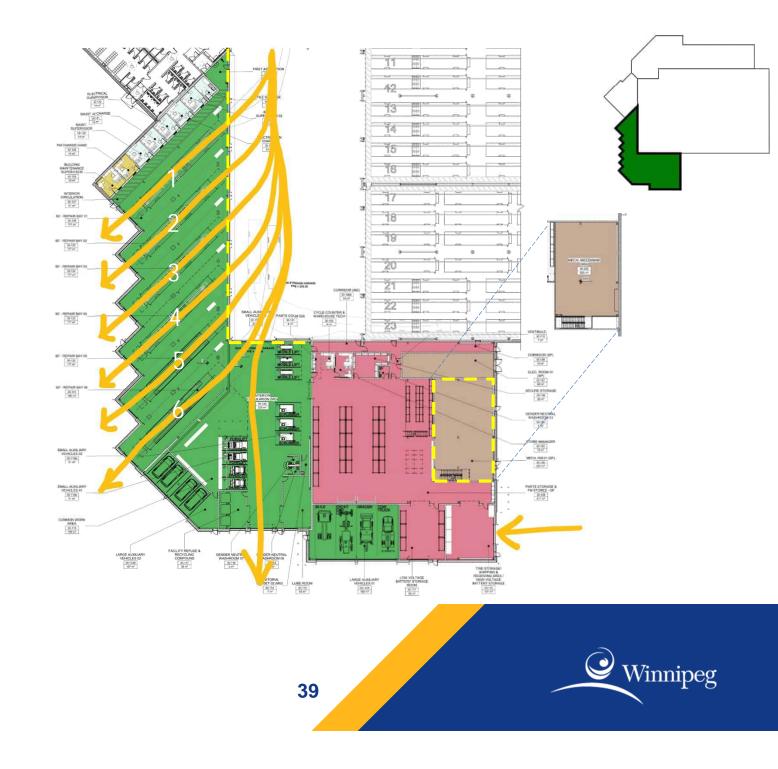


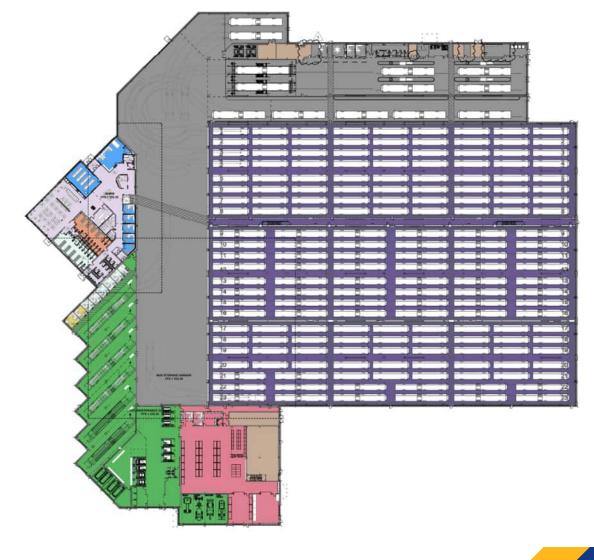
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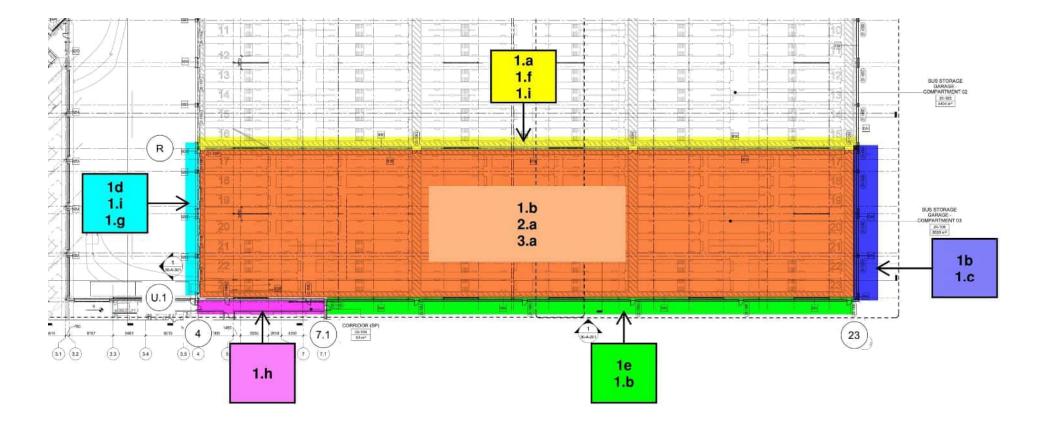


Repairs and Stores



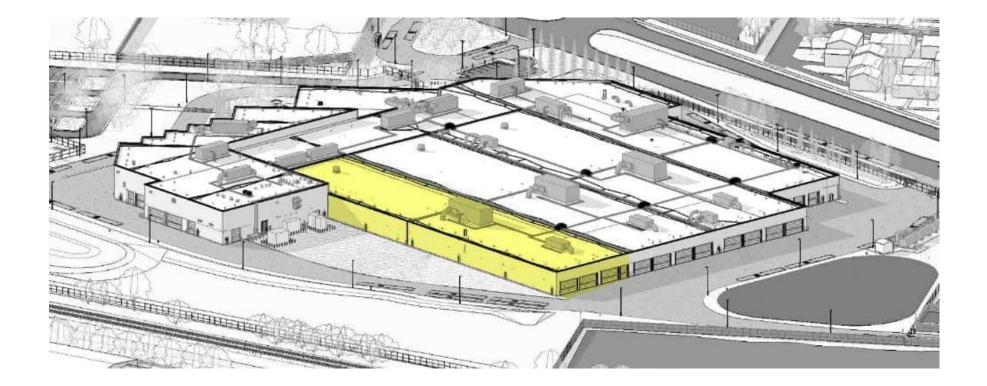




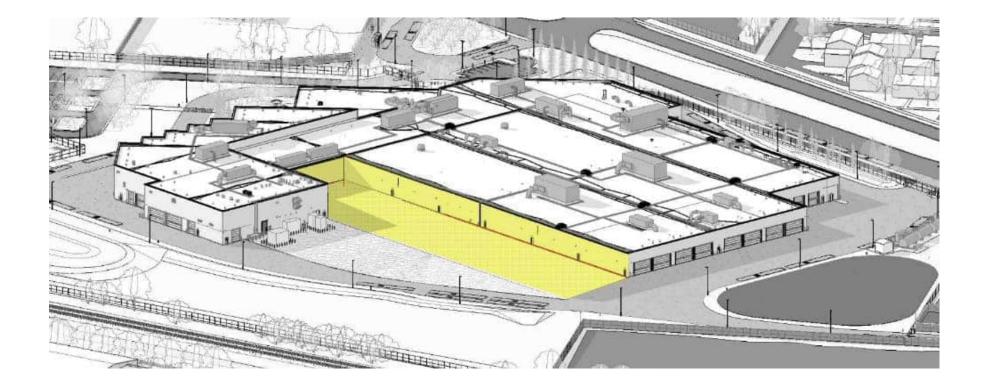


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North Garage Replacement

LEED requirements Leanne Conrad



Sustainability Requirements

The project must meet LEED v4 BD+C Silver Certification
Must achieve minimum 50 points

□ Manitoba Performance Path Incentive 30% Savings over NECB 2020

□ High energy performance



7	0	9	Location and Transportation		16
		16	Credit	LEED for Neighborhood Development Location	16
1			Credit	Sensitive Land Protection	1
2			Credit	High Priority Site	2
		5	Credit	Surrounding Density and Diverse Uses	5
2		3	4.1	Access to Quality Transit	5
		1	Credit	Bicycle Facilities	1
1			Credit	Reduced Parking Footprint	1
1			Credit	Green Vehicles	1





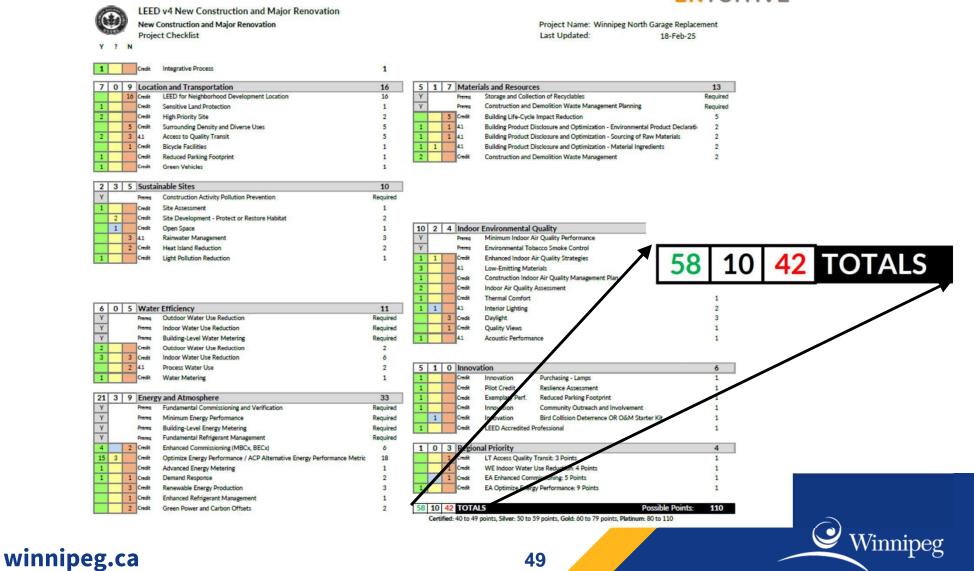
5	1	7	Materials and Resources		
Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
		5	Credit	Building Life-Cycle Impact Reduction	5
1		1	4.1	Building Product Disclosure and Optimization - Environmental Product Declaration	2
1		1	4.1	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
1	1		4.1	Building Product Disclosure and Optimization - Material Ingredients	2
2			Credit	Construction and Demolition Waste Management	2



10	2	4	Indoo	r Environmental Quality	16
Y			Prereq	Minimum Indoor Air Quality Performance	Required
Υ			Prereq	Environmental Tobacco Smoke Control	Required
1	1		Credit	Enhanced Indoor Air Quality Strategies	2
3			4.1	Low-Emitting Materials	3
1			Credit	Construction Indoor Air Quality Management Plan	1
2			Credit	Indoor Air Quality Assessment	2
1			Credit	Thermal Comfort	1
1	1		4.1	Interior Lighting	2
		3	Credit	Daylight	3
		1	Credit	Quality Views	1
1			4.1	Acoustic Performance	1







Sustainability Requirements

Compliance Plans Required
Erosion and Sedimentation Control
Waste Management
Indoor Air Quality

Monthly LEED Reporting

- **ESC** Inspections
- U Waste Report
- □ IAQ Inspections
- Update on Low Emitting Material Calculator
- Update on Building Product Disclosure Calculator





North Garage Replacement

Thank you

