



Palliser Sanitary Lift Station

Stakeholder Report Back: What We Did
Winter 2022

Project overview

The existing Palliser sanitary lift station, located at the entrance to South Glenmore Park (9035-24th St. SW.), was built in 1968 and requires significant infrastructure upgrades to extend its lifecycle and ensure long lasting, efficient service. While construction is not anticipated until Summer 2023, we want to let the community know about this upcoming work, as well as to provide an opportunity for you to help influence the design of the building's exterior.

As part of this work, a secondary building is required. Items such as safety requirements and building codes (and best practices among them) have significantly changed since 1968, resulting in increased space requirements.

Calgary's wastewater system is a gravity fed system – meaning sanitary flows are mostly driven by gravity to get wastewater to our treatment facilities. A sanitary lift station is essentially a pump that moves sanitary wastewater towards The City's wastewater treatment facilities when gravity is not an option due to the elevation of an area.

What did we do with the input received?

From August 26 – September 15, 2021, The City of Calgary hosted an online survey at engage.calgary.ca/PalliserLift. Targeted questions were asked in line with the two design options provided by the project team. The top themes that emerged when discussing the design options for the lift station are listed below.

When discussing the options that were presented, participants did not indicate a clear preference between the two. Overall, they felt that both had merits and drawbacks; however, Design Option 2 had more positive and enthusiastic comments submitted and respondents who preferred this option suggested that it would add value to the area. Participants also expressed concerns regarding the materials being considered in both design options indicating a preference for durable, cost-effective materials.

What We Heard / What We Did

Below you will see the themes that emerged from our public engagement and the responses from the team as to how that feedback will be used to further refine the plan. The full [What We Heard report is available here.](#)

What do you like about design option 1?

Theme	What We Did
<p>Design Elements</p> <p>Simpler design - Most respondents felt that this design would not stand out or draw attention to the facility.</p>	<p>Though some people liked Concept 1, the second concept obtained more positive and enthusiastic comments with respondents. Therefore, we are proceeding with Concept 2.</p> <p>However, minor design elements have been added to Concept 2, including the external panel lighting being altered to a non-lighted detail to reduce how much the building would stand out or draw attention to itself.</p> <p>Post/cable fencing will be replaced but not altered so as to keep the open look of the park entrance and not have an imposing fence drawing attention to the nature of the building.</p>
<p>Shadow motif - Many respondents liked the use of a shadow motif to add interest although there were suggestions that it could be either 'more tree like' or perhaps a mountain motif to reflect the view.</p>	<p>Because we are proceeding with Concept 2, we did not adjust the shadow motif in Concept 1. It should be noted, however, that Concept 2 incorporates a shadow motif with the addition of the pergola, which emulates tree branches and the surrounding park that change as sunlight adjusts around the buildings throughout the day.</p>
<p>Cost</p> <p>Cost effectiveness - A few respondents suggested that this option appears to be more cost effective.</p>	<p>The primary cost associated with this refurbishment is the construction of the building itself and the equipment within it; the architectural concepts for the two options are similar in cost and both represent only a small portion of the overall cost of the refurbishment project.</p> <p>Note that the walls and roof of the existing building must be demolished and replaced to abate the hazardous materials within; as such, the architectural treatment for both buildings is a minimal cost (i.e., the wall and roof replacement of the original building is not an optional cost, therefore this cost would be incurred with both design options).</p>

What would you to see improved about design option 1?

Theme	What We Did
<p>Design Elements</p> <p>Too plain - Some respondents suggested that this design was too plain and did not enhance the area.</p>	<p>The design for Concept 1 was seen as being too plain. As a result, we have decided to proceed with Concept 2 as respondents found it to be more visually interesting and inspiring.</p>
<p>Needs more colour - Some respondents suggested that more color and/or art would enhance this option.</p>	<p>Concept 2 includes two buildings that are contrasting colours and the pergola adds an artistic element.</p>
<p>Environmental</p> <p>Solar - Many respondents were in favor of the use of solar panels.</p>	<p>The final approved concept includes the structural and electrical provisions for the future installation of photovoltaic panels (i.e., solar panels).</p>
<p>Safety</p> <p>Safety concerns - Some respondents had concerns regarding safety, and made suggestions to address these concerns, such as adding additional lighting, and removing ground level windows.</p>	<p>The final design incorporates overhead lighting above all exterior doors; these are angled downwards to avoid impacting nearby residents and installed with photovoltaic sensors to ensure they only activate during non-daylight hours. These lights are able to be manually dimmed.</p> <p>Mandatory ground-level wall penetrations (primarily air exhaust and intake) will have integrated security features. There are no ground-level exterior windows.</p>

<p>Maintenance</p> <p>Fencing - A few respondents commented on the chain-link fencing that surround the adjacent utility property.</p>	<p>The chain-link fence is owned by the (non-City) utility and does not fall within the scope of this project.</p> <p>The post and cable fencing that runs along the entrance to the park will be replaced where it abuts the lift station property (i.e., not the entire length of 90th AVE).</p>
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What do you like about design option 2?

Theme	What We Did
<p>Design Elements</p> <p>Design - Most respondents found design option 2 more visually interesting and inspiring.</p>	<p>We are proceeding with Concept 2 because it obtained more positive and enthusiastic comments with respondents.</p>
<p>Pergola - Some respondents suggested the pergola could be simplified or removed. Other respondents liked how it tied the building together, suggesting that additional solar down lighting on the pergola would enhance the design.</p>	<p>The architectural canopy is included in the final building design. The canopy has been designed to be removable for maintenance purposes. No lighting has been included in the canopy due to the added maintenance complexity.</p>
<p>Shadow motif from Design option 1 - A few respondents suggested that Option 2 should include a shadow motif (similar to design option 1) because it would enhance this design.</p>	<p>Because we are proceeding with Concept 2, we did not adjust the shadow motif in Concept 1. It should be noted, however, that Concept 2 incorporates a shadow motif with the addition of the pergola, which emulates tree branches and the surrounding park that change as sunlight adjusts around the buildings throughout the day.</p>

<p>It was suggested to either make the motif more 'tree like' or consider a mountain motif instead.</p>	
<p>Environmental</p> <p>Solar - Many respondents were in favor of the use of solar panels.</p>	<p>The final approved concept includes the structural and electrical provisions for the future installation of photovoltaic panels (i.e., solar panels).</p>

What would you to see improved about design option 2?

<p>Theme</p>	<p>What We Did</p>
<p>No changes - Many respondents indicated that they were pleased with this design as is.</p>	<p>The final design incorporates overhead lighting above all exterior doors; these are angled downwards to avoid impacting nearby residents and installed with photovoltaic sensors to ensure they only activate during non-daylight hours. These lights are able to be manually dimmed.</p> <p>Mandatory ground-level wall penetrations (primarily air exhaust and intake) will have integrated security features. There are no ground-level exterior windows.</p>

<p>Design Elements</p> <p>Simplify features - Some respondents suggested the pergola could be simplified or removed. Other respondents liked how it tied the building together, suggesting that additional solar down lighting on the pergola would enhance the design.</p>	<p>The architectural canopy is included in the final building design. The canopy has been designed to be removable for maintenance purposes. No lighting has been included in the canopy due to the added maintenance complexity.</p>
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<p>Materials / Colors - A few respondents preferred the materials and colours highlighted in design option 1, while many others liked the use of contrasting materials highlighted in this design option.</p>	<p>Both concepts utilize colours and materials that reflect those found in the nature that surrounds the area.</p>
<p>Maintenance</p> <p>Fencing - A few respondents commented on the chain-link fencing that surround the adjacent utility property.</p>	<p>The chain-link fence is owned by the (non-City) utility and does not fall within the scope of this project.</p> <p>The post and cable fencing that runs along the entrance to the park will be replaced where it abuts the lift station property (i.e., not the entire length of 90th AVE).</p>

Do you have any other comments regarding this project?

The additional comments generally reflected the themes identified in the two design option questions. Most respondents were appreciative of the opportunity to express their opinions whereas a few felt there was no need.

Next steps

In addition to posting the [What We Heard report to the project webpage on calgary.ca](#), local businesses and residents will receive an update/notice as we get closer to construction dates.