



## Update on G3 Terminal Vancouver

Construction of a modern and highly efficient Export Grain Terminal at Lynnterm West Gate, North Vancouver

August 2017

### Construction Update

Construction began in March 2017 at our North Vancouver G3 Terminal Vancouver site at Lynnterm West Gate, after we successfully completed an extensive project and environmental review and permitting process with the Vancouver Fraser Port Authority.

Our most recent construction activities have included site clean-up, compacting soil in preparation for buildings, the installation of a temporary detour on the east side of Lynn Creek, and dock panel removal to prepare for pile installation. We have removed more than 250 old creosote-treated piles and plan to remove older concrete piles as well. Creosote is a known contaminant for aquatic life so their removal should improve the local marine habitat. For this in water work, G3 received authorization from the Vancouver Fraser Port Authority, who referred to local First Nations for input. We also plan to introduce new rock in the area that will create habitat for fish.

### What's Coming Up

Excavation and demolition work is underway to remove the wing and retaining walls on the south side of the Brooksbank tunnel as we prepare to extend the road within our site. Much the same as the other work being undertaken, we ensure proper authorizations are in place and neighbours are made aware of timing.

As mentioned in a construction notification that was issued on August 1, we will begin pile installation on August 16 during the regular work hours of 7 am to 8 pm. A local North Vancouver company, Vancouver Pile Driving is completing this work for us. Where construction practices allow, the vibratory piling installation method will be used which produces less noise. In other cases, the impact piling installation method is required to drive the piles to the specified depth and bearing capacity. Piles are needed for the foundations of some of the buildings, marine dock and ship loading equipment that will support the movement of grain products from the incoming trains onto ships for export. To protect the marine environment, we

will use biodegradable hydraulic fluid in marine machinery, employ a bubble curtain during impact pile installation to reduce underwater sound levels, and will be monitoring for any marine mammal activity. We expect this work will continue until February 2018. As there is noise expected with pile installation, we will be actively monitoring noise levels throughout this work using the Port of Vancouver's noise monitor, complemented by our own on-site hand-held monitoring devices to ensure they remain within the permitted levels.

#### *Removing creosote-treated piles, a contaminant of concern for aquatic life*

*We removed nearly 200 creosote-treated piles that exist from historic use at the site and will be introducing new rock in the area that will create habitat for fish.*

### Partners in Protecting & Enhancing Lynn Creek



G3 Terminal Vancouver, construction contractor Kiewit and the North Shore Streamkeepers discuss planned project activity and mitigations before walking through Harbour View (Dog) Park along Lynn Creek. Photo courtesy North Shore Streamkeepers.

As our site is next door to Lynn Creek and the Lynn Creek estuary, we will protect the riparian area by preventing sediment laden run-off water using good industry practices and working at safe distances from the vegetative buffer. We will ensure water being discharged into Lynn Creek meets the BC Water Quality guidelines for the protection of aquatic life. We are also working with the BC Ministry of Forest, Lands, and Natural Resource Operations on water extraction permitting for site construction dewatering and we will be taking the necessary steps to protect Lynn Creek during its low flow periods.

We were pleased to host the North Shore Streamkeepers at the site on July 21 for a general tour and to get a better understanding of the work we are undertaking to protect Lynn Creek and the Burrard Inlet. The Streamkeepers have provided us valued insights and

guidance on the history of the Creek and future planned projects to enhance the site, which we are very grateful for. We will continue to stay connected on areas of mutual interest, including monitoring silt, enhancing riparian areas and groundwater runoff management.

To demonstrate our support for ongoing work being undertaken by BCIT, the Streamkeepers and local First Nations in the Lynn Creek Estuary, G3 has made a contribution of \$25,000 to the project through the Tsleil-Waututh Nation (TWN). G3 Terminal Vancouver's Bill Mooney recently met Lindsay Ogston and Carleen Thomas from TWN at the Lynn Creek site to provide the donation and discuss the work being planned. The funds will be used for the removal of invasive vegetation from the riparian zone and restoration area to make room for more beneficial native species to grow and thrive. Photos of this great work will be shared in upcoming community updates.

We are also working with the BC Ministry of Forest, Lands, and Natural Resource Operations on water extraction permitting for site construction dewatering and we will be taking the necessary steps to protect Lynn Creek during periods of time when in-stream flow is expected to be at its lowest.



*G3 Terminal Vancouver's Bill Mooney, right, recently met with Tsleil-Waututh Nation's Carleen Thomas, middle and Lindsey Ogston, left, to provide a \$25,000 contribution to the important work the Nation and its partners have underway in the Lynn Creek watershed.*

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## Respecting History and Building Trust

Back before construction began, G3 was required to undertake an archaeological impact assessment as it relates to historical presence of First Nations settlements or artifacts. Golder Associates was hired to look at what might be present on the site and then provide advice to us on how, if our construction team were to come across what is termed a "chance find" artifact during excavation, we would approach and manage it. The report created by Golder was provided to the Tsleil Waututh, Squamish and Musqueam First Nations in order to obtain permission to begin site work from those communities. We invited representatives from these Nations for a site visit in May in to have a look at the excavation work we are undertaking at the site, to demonstrate that our work was in alignment with their expectations and to continue to build trust in this valued relationship. We were very happy to get the feedback that the Nations were pleased with the work and approach we have taken to date.

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## Keeping in touch

We asked for feedback on how the local community would like to keep in touch during construction, and we overwhelmingly heard that email and web updates are the preferred methods to stay up-to-date. We plan to send regular updates like this one on the status of construction, upcoming activities, and our planned community initiatives. We also send shorter email alerts about other expected impacts related to traffic, extended working hours or restricted access around the site. During construction, we want to ensure you know how to reach us if you have questions or concerns. Please feel free to contact us any time at:

**Email:**

info@g3terminalvancouver.ca

**Phone:**

General Inquiries, 1-844-263-2398  
Construction Inquiries, 778-373-3150

**Website:**

www.g3terminalvancouver.ca

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