

The station layout has been barely fitted onto the Bosa's properties of 100m x 391m lot. This Alternative 20 is not preferable from Station Electrical Design perspective with the reasons below.

1. The 100m width is extremely tight for layout.
2. How the 230kV transmission Lines enter the station would be a concern.
3. The connection between 230kV bus ring would be very long and costly.
4. The high voltage power cables run from TX to both 60/25kV GIS buildings would be complicated and costly.
5. Low voltage cables run from switchyard to the control building would be quite long and costly.
6. There is a beautiful house on Bosa's property of 7528 194 ST SURREY as picture below. It was built in year 2003 and relatively new. What a regret and waste if we have to demolish the house to build our station on the lot.

7528 194 ST SURREY V4N 6E1
Area-Jurisdiction-Roll: 14-326-8222-11002-0



Total value

\$5,5

2024 assessment as of July 1, 2023

Land	\$5,131,0
Buildings	\$456,00
Previous year value	\$5,506,
Land	\$5,023,
Buildings	\$483,00

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I also looked into the Qualico property further. The station layout could be squeezed onto that property as attached Option 3. Compare these two options, the layout on Qualico's property is much better than the one on Bosa's properties.

Hope above info helps and have a great weekend!
Kally

Kally Jiang (She/Her/Hers) | P. Eng.