

2.14 Shadow Studies

2.14.1 Summer Solstice

Shadow studies on summer solstice (June 20th) have been produced to understand the impact of building shadows upon surrounding areas at 10am, 12pm, 2pm, and 4pm.

Buildings have been carefully located and shaped in order to minimize shadowing. Thus, at this time of year shadow impacts are limited to a short morning shadow period on some of the Main Street/Station Street properties and on the northeast corner of Thornton Park. Important public spaces like the New High Street and the St. Paul's Plaza have long periods of sun access.

Figure 2-70: Solstice - 10am

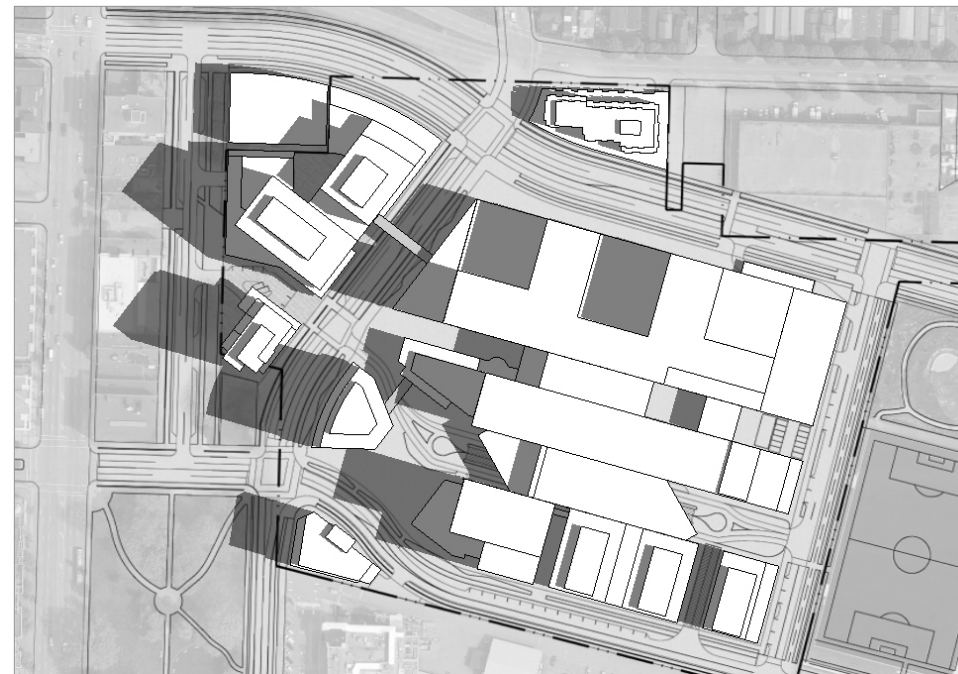


Figure 2-71: Solstice - 12pm

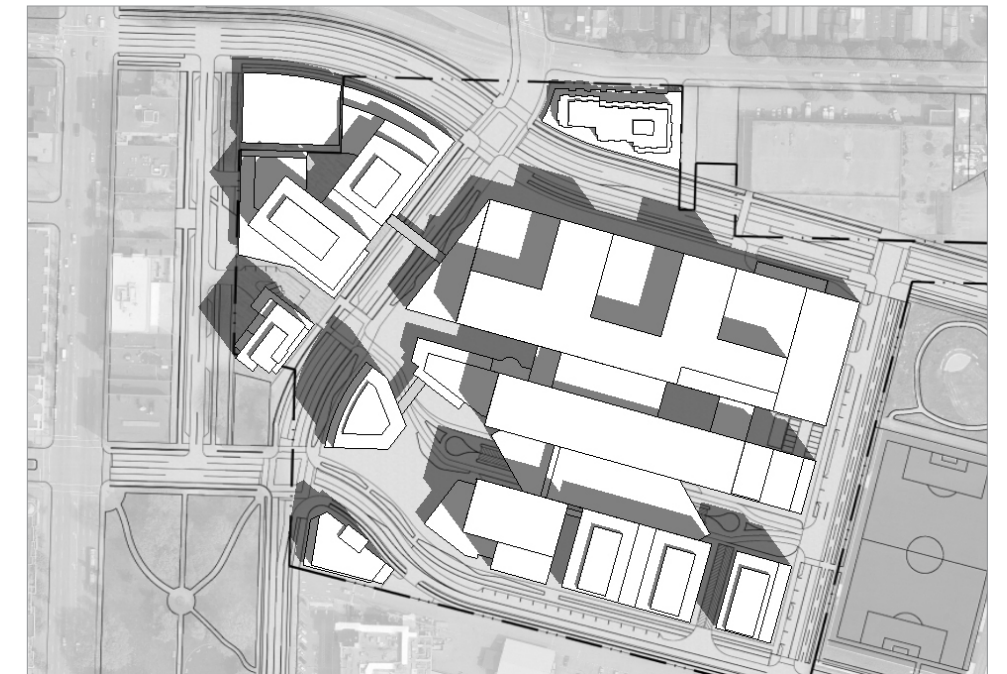


Figure 2-72: Solstice - 2pm

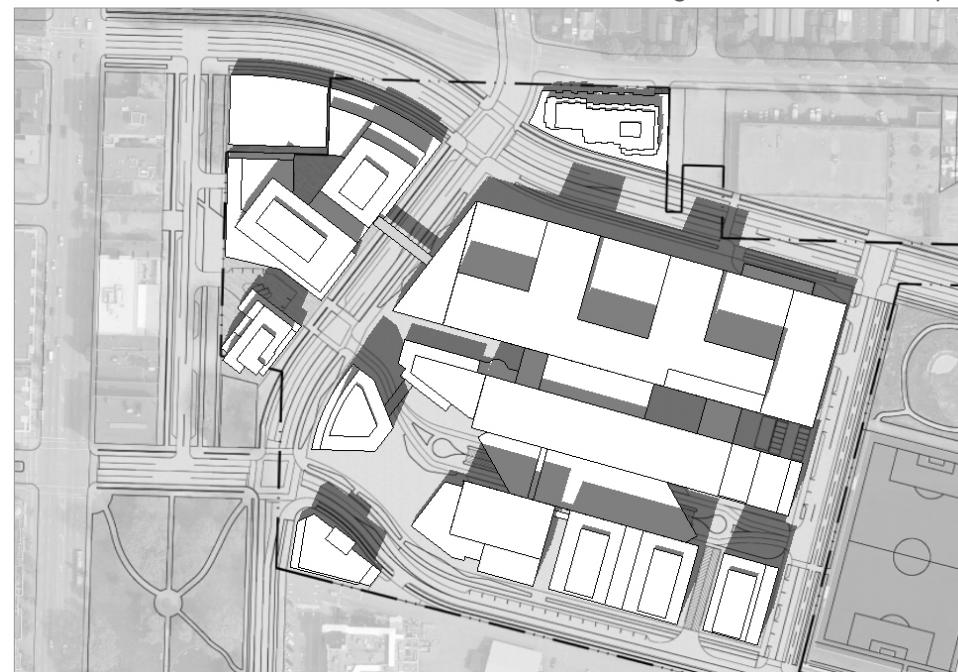


Figure 2-73: Solstice - 4 pm



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2.14.2 Equinox

Solar access at Equinox (September 22nd and March 20th) is very good in most instances for neighbouring properties and on-site public spaces.

A short period of afternoon shadow is cast upon a small portion of the properties on the north side of the New Arterial Street, and there are late afternoon shadows cast on a small portion of Trillium Park. The New High Street and the St. Paul's Plaza have good sun access from noon time to the mid-afternoon.

Figure 2-74: Equinox - 10am

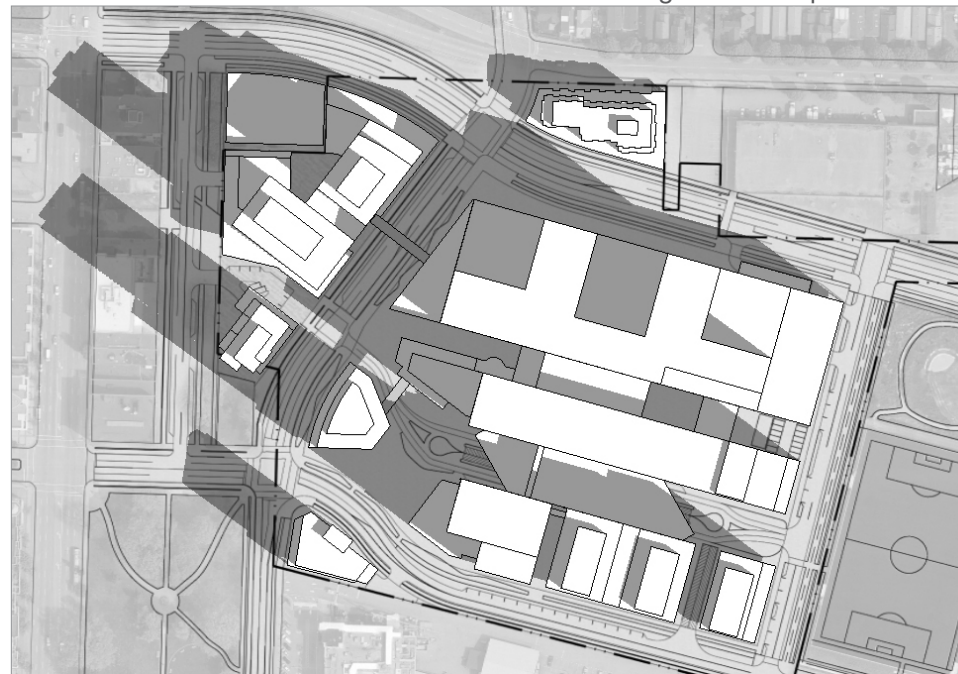


Figure 2-75: Equinox - 12pm



Figure 2-76: Equinox - 2pm



Figure 2-77: Equinox - 4pm

