

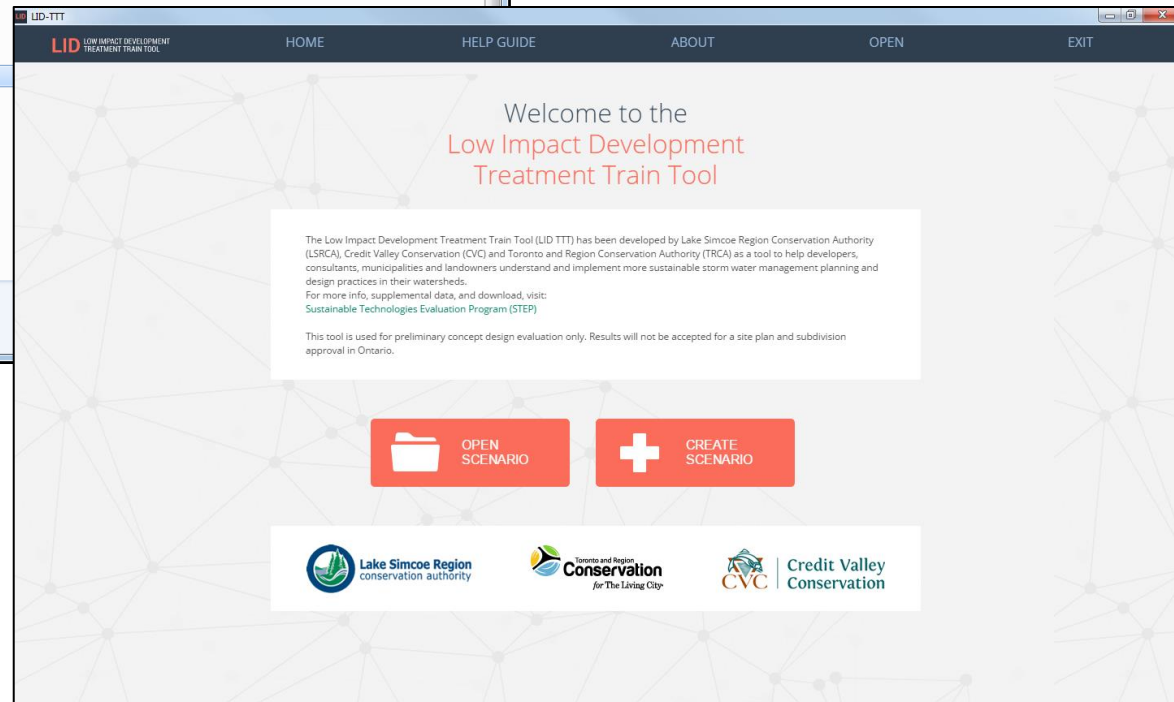
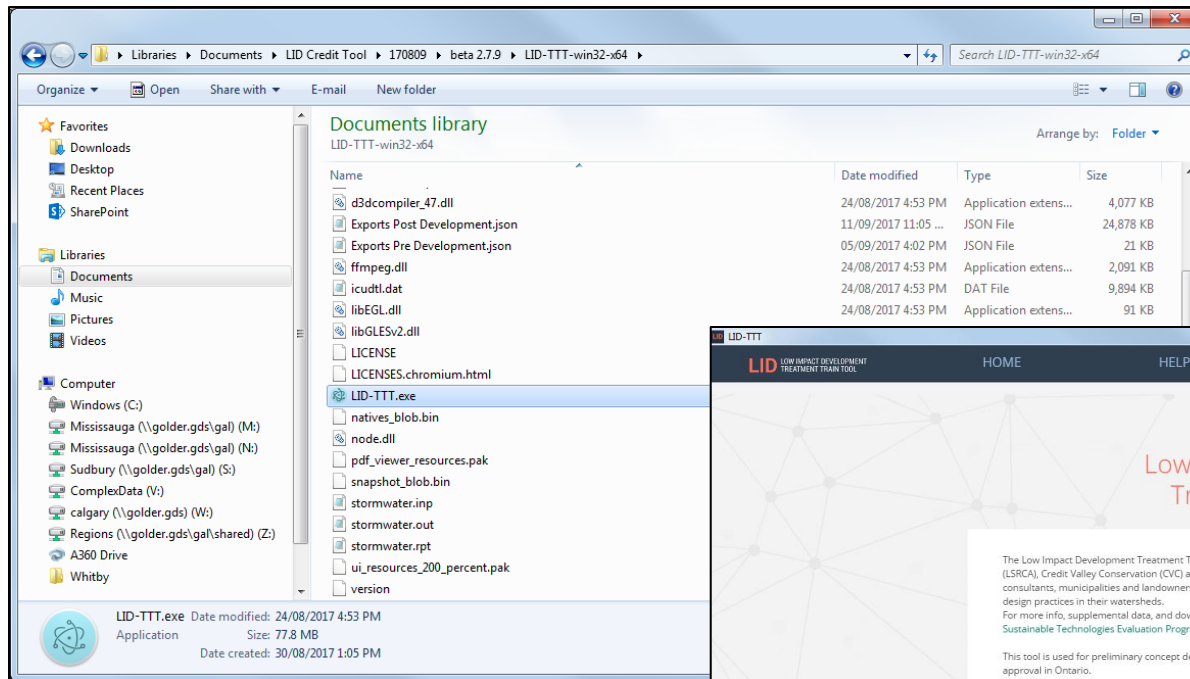
LID TTT Workshop (Friday November 17, 2017)

Tool Self-Guided Walkthrough

Presenters:

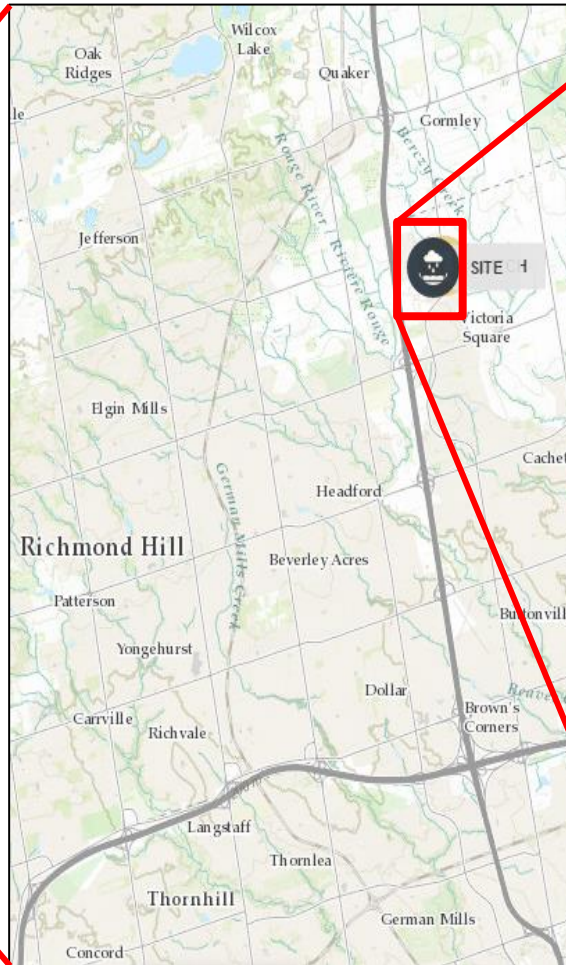
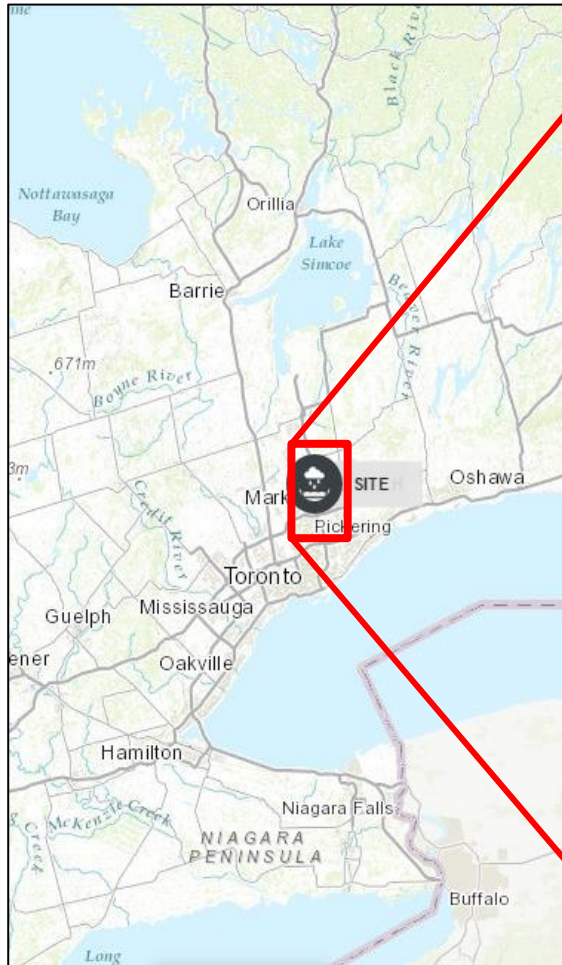
Chris Davidson, P.Eng., Golder Associates Ltd.

First Steps



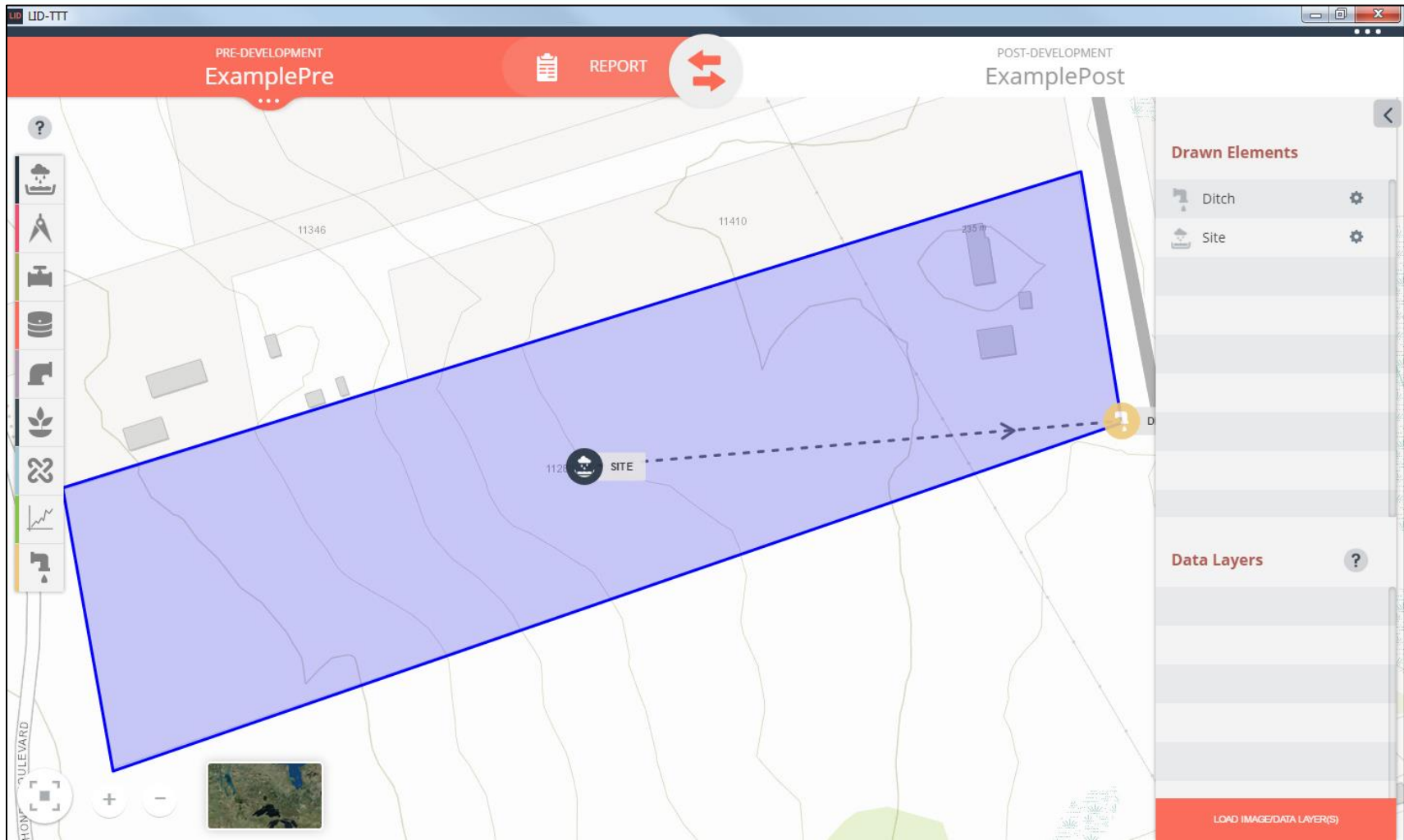


Site Location



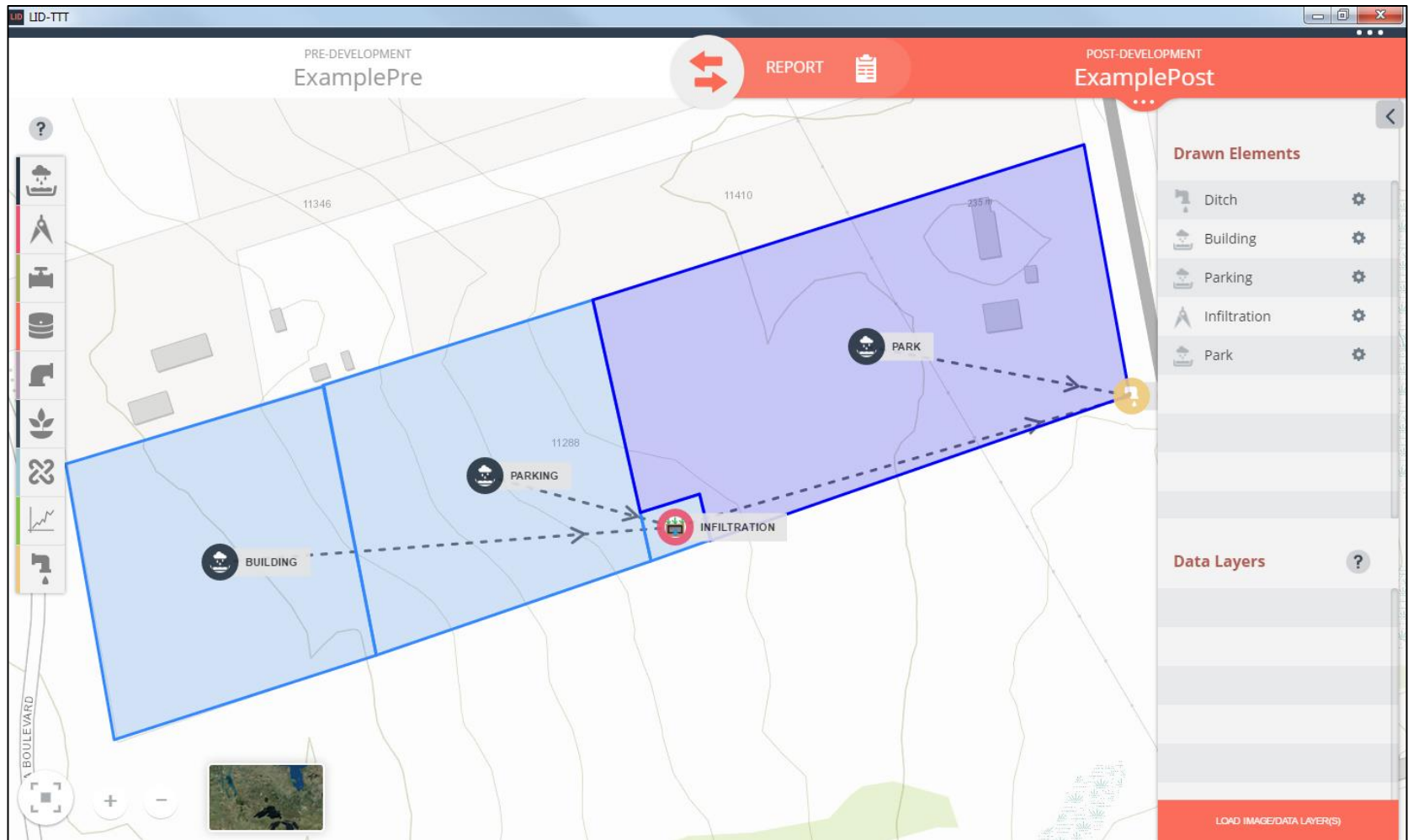


Existing Conditions





Proposed Conditions





PRE-DEVELOPMENT
ExamplePre

GIS

GIS

POST-DEVELOPMENT
ExamplePost

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Summary

Design Storm Performance Goal | Pre-Development

Rainfall Depth Control/Reduction Target	25.00 mm
Runoff Volume Control/Reduction Target	1,407.00 m ³
Runoff Volume Control Provided	1,215.44 m ³
Runoff Volume Reduction Provided	1,215.44 m ³
Runoff Volume Treated	0.00 m ³
Runoff Volume Untreated	190.00 m ³
Runoff Volume Control / Reduction Met?	No

Design Storm Performance Goal | Post-Development

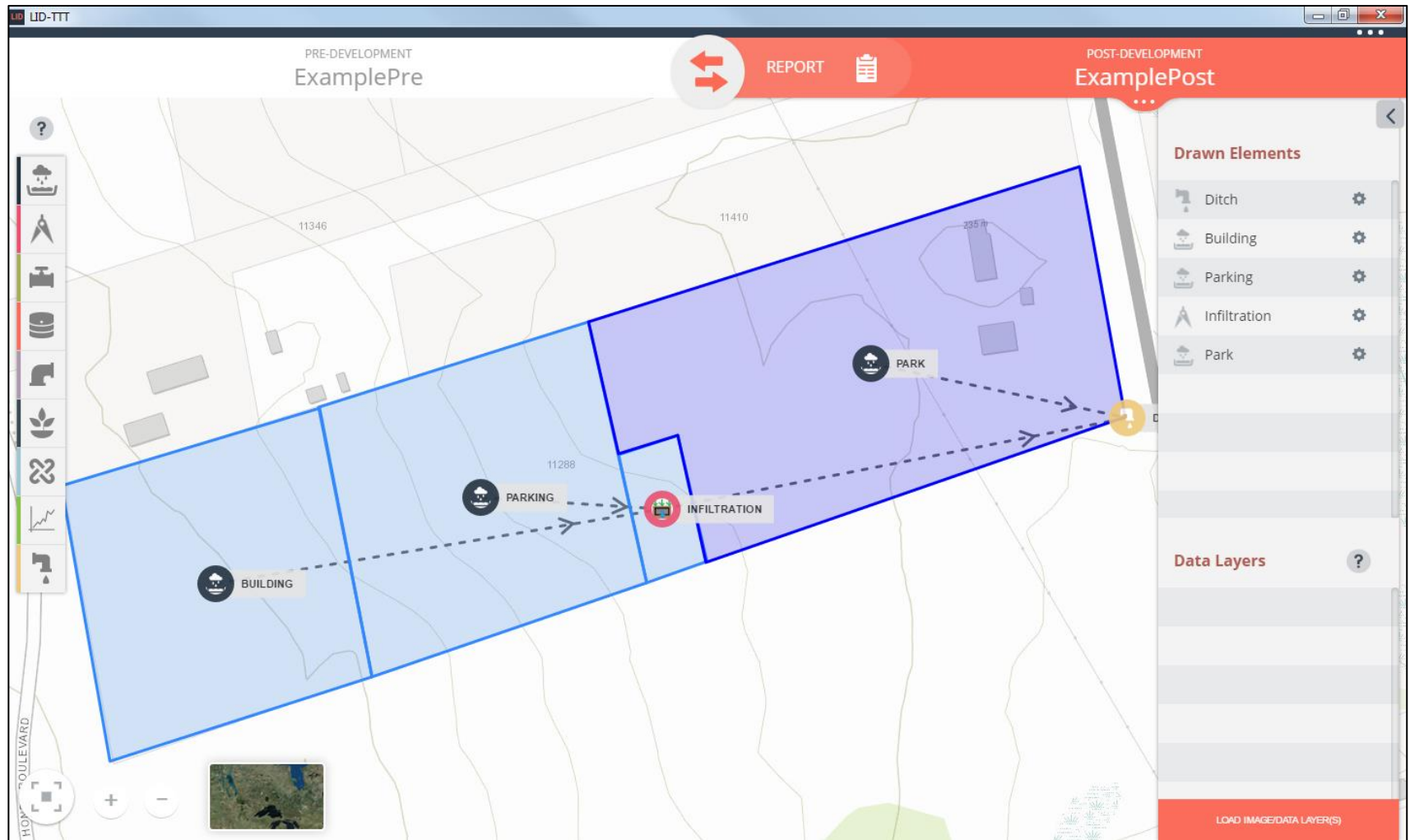
Rainfall Depth Control/Reduction Target	25.00 mm
Runoff Volume Control/Reduction Target	1,396.00 m ³
Runoff Volume Control Provided	1,204.44 m ³
Runoff Volume Reduction Provided	1,204.44 m ³
Runoff Volume Treated	0.00 m ³
Runoff Volume Untreated	192.78 m ³
Runoff Volume Control / Reduction Met?	No

Water Balance Comparison

Site	Site Area	Site Rainfall In (mm) (m ³)	Site Infiltration (mm) (m ³)	Site Evapotranspiration (mm) (m ³)	External Outflow (mm) (m ³)	Rainfall Reduction (mm) (%)
Pre-Development Total	5.63 ha	24.99 mm 1,406.44 m ³	20.30 mm 1,142.48 m ³	0.00 mm 0.00 m ³	3.39 mm 191.00 m ³	21.60 mm 86.42 %
Post-Development Total	5.58 ha	24.99 mm 1,395.44 m ³	20.42 mm 1,140.33 m ³	0.00 mm 0.00 m ³	3.42 mm 191.00 m ³	21.57 mm 86.31 %
Difference	-0.04 ha	0.00 mm -11.00 m ³	0.12 mm -2.16 m ³	0.00 mm 0.00 m ³	0.03 mm 0.00 m ³	-0.03 mm -0.11 %
Difference	-0.78 %	-0.00 %	0.60 %	NaN %	0.79 %	-0.12 %



Iterative Design



****Bonus Goals****

