COLLINGWOOD

SINCE 1858 A PLACE TO LIVE WORK & PLAY

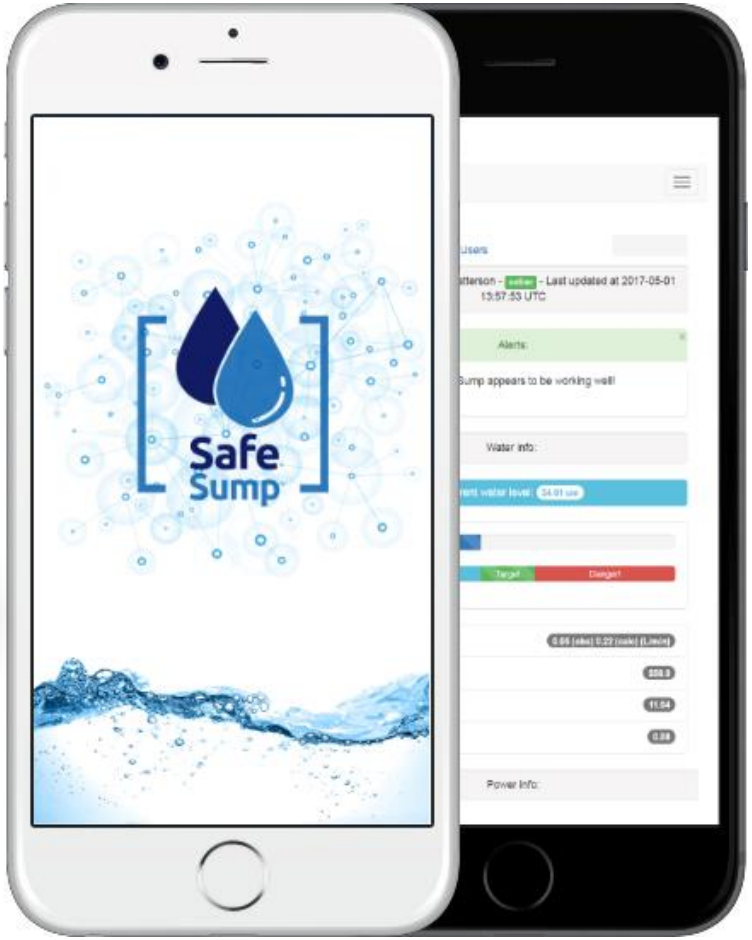
Collingwood

SMART STORMWATER PILOT PROJECT

www.collingwoodpilotproject.com

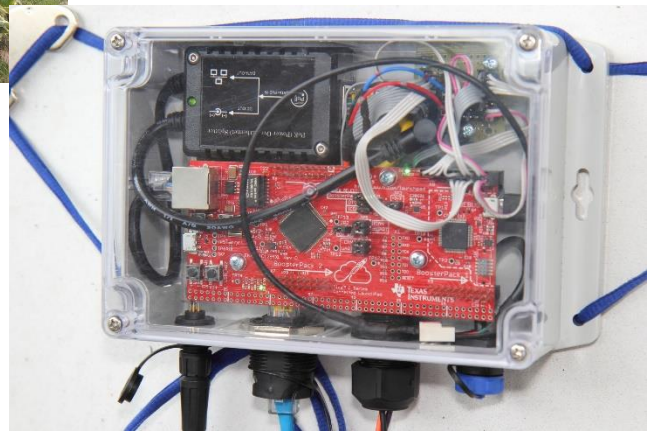
Safe Sump

Safe Sump


Safe Sump
Alerts:
Sump appears to be working well
Water info:
Target
Danger
Power info:

RainGrid

LOT-LEVEL STORMWATER UTILITIES



Huronia

Security & Monitoring
Fire & Safety
Audio Video
Lock, Key & Safe

Peace of Mind

We understand what's important to you
...because we know what's important to us.

EN vironment Network

The Environment Network is a non profit organization working with communities, the public, and all levels of government to ensure a healthy and sustainable environment.

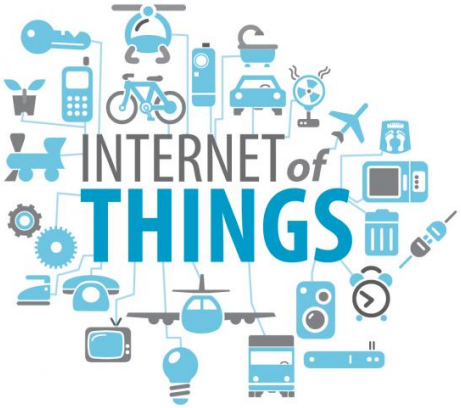
GREENLAND® Group - Mission Statement

The **GREENLAND® Group** provides civil and environmental engineering services, as well as urban design planning expertise.

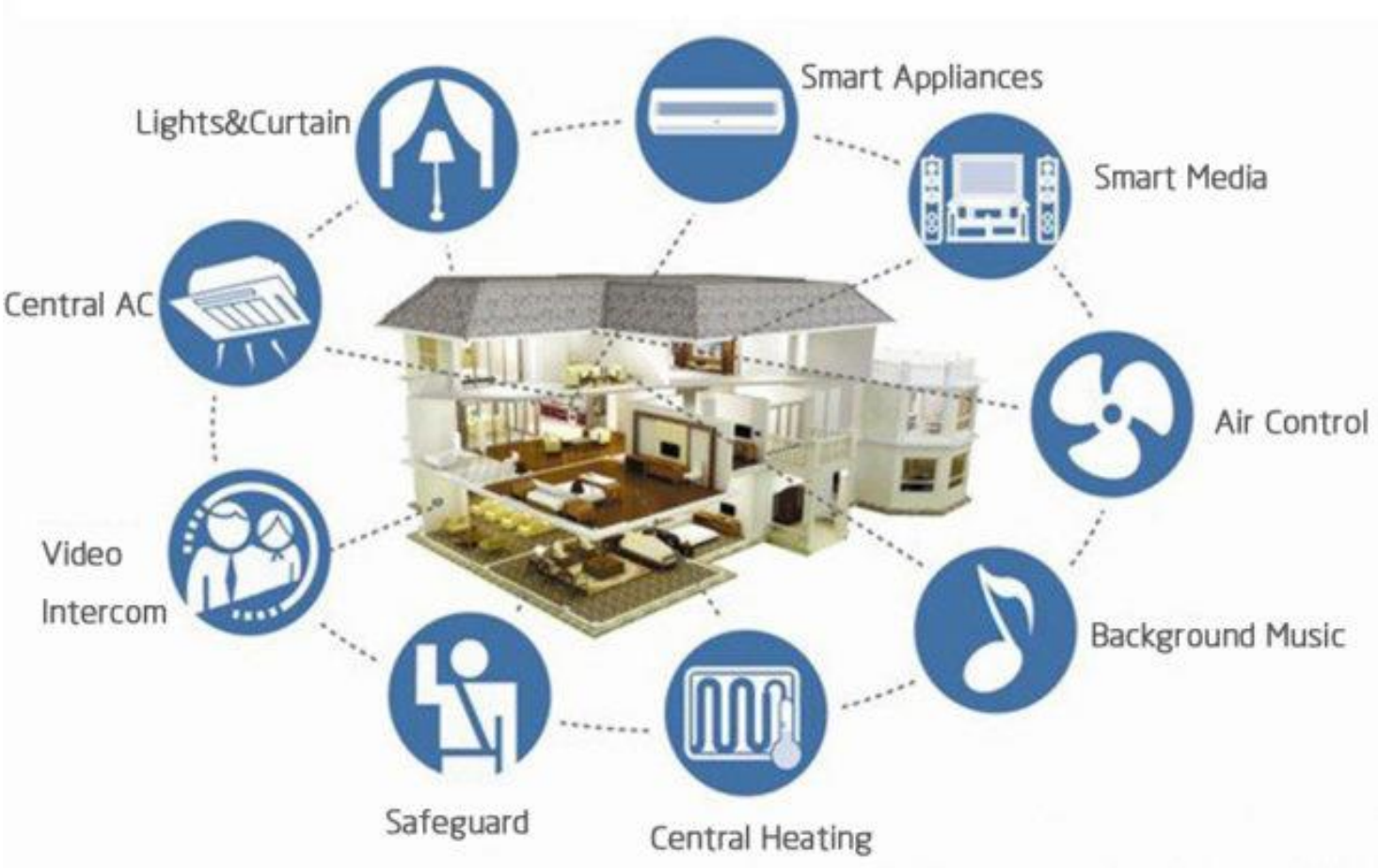
We also strive to offer excellence in 'niche' disciplines by **developing environmental software systems and water technology products**, while maintaining our unique corporate brand with the Public, Indigenous Peoples, Business Community, our Clients and Employees.

Since 1994, the GREENLAND® Group has also been committed to developing **innovative solutions** with a **conservationist ethic** that respects the **environment** from the outset **and incorporates best available science, open data, and defendable technologies to address climate change concerns (and opportunities).**

For more information visit,
www.grnland



A ”**Smart” home** is a residence that uses internet-connected devices to enable the remote monitoring and management of appliances and systems, such as lighting, heating, security and/or entertainment.



… but what about “Smart” systems to protect homes from flooding?!

Our project introduces **new "Smart Stormwater" protection systems** by **SafeSump™** & **RainGrid™** to help reduce homeowners' basement and property flood damage risk (due to severe rainfall and rapid snowmelt events) and because extreme weather will be more frequent due to climate change factors.

Safe Sump

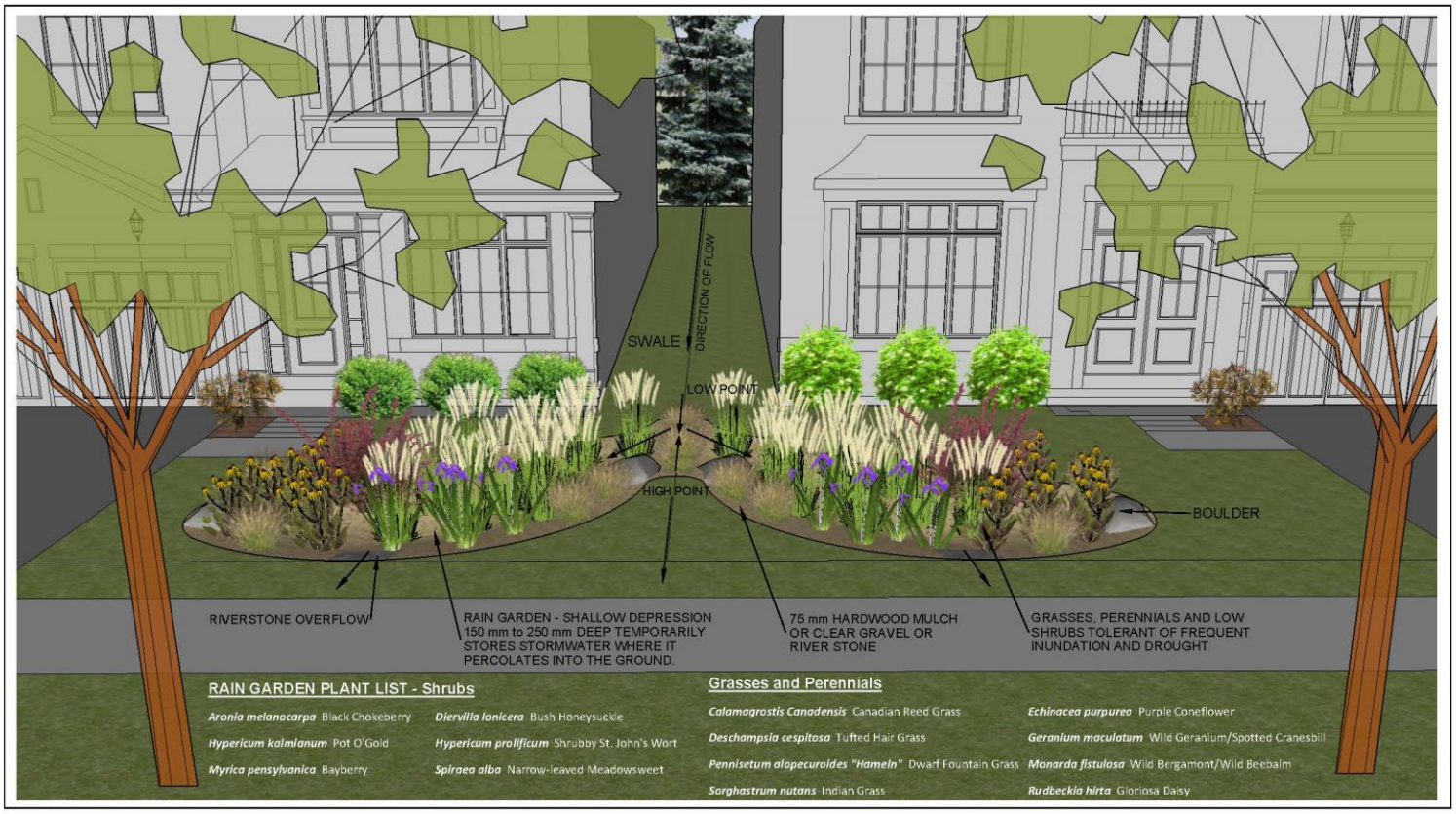
RainGrid
LOT-LEVEL STORMWATER UTILITIES

Our project also includes monitoring two (2) parking lots with permeable surface & underground stormwater infiltration systems and to confirm their effectiveness to reduce flooding risk from severe rainfall events (and climate change factors).

Trinity United Church

GREENLAND® Group of Companies (Collingwood - Building #3)

Our project also includes the design, construction and monitoring of three (3) new homeowner rain gardens (with stormwater infiltration systems) and to determine their effectiveness in reducing property flood risk from severe rainfall events.



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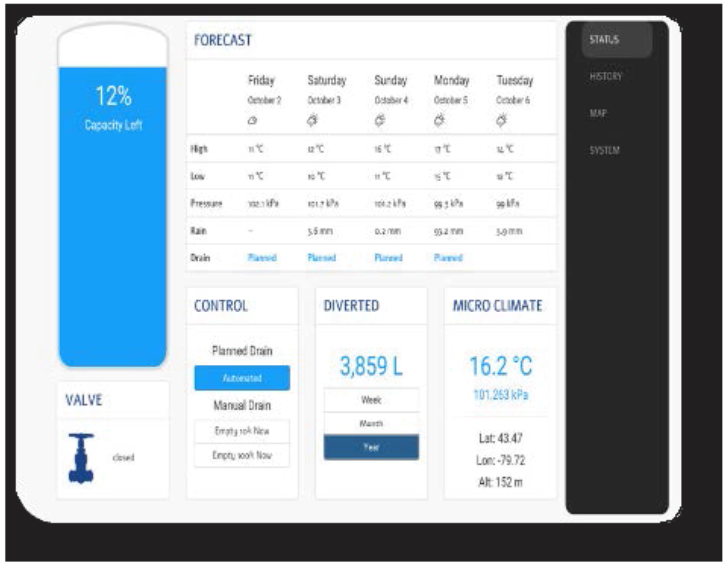
ZANCOR HOMES | PRISTINE HOMES | Fernbrook HOMES

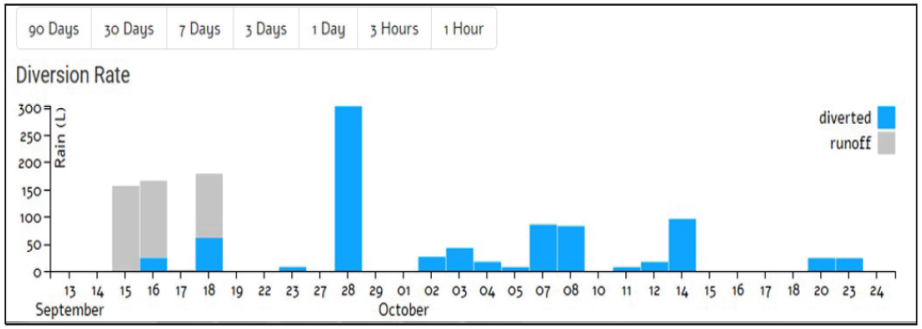
BELLE AIRE SHORES MODEL HOMES
Sleeping Lion Subdivision
Innisfil, Ontario

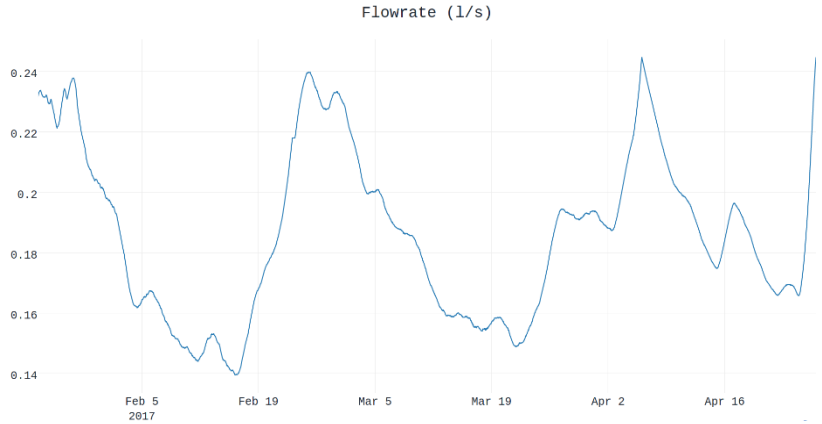
LID FEATURE PLANTING CONCEPT

DRAWN BY:	CHECKED BY:
A.J.P.	A.J.P.
DATE: JULY 2015	PROJECT No: G-3374/3375/3376
SCALE: N.T.S.	DWG. No: RG-3

So then what do we do with all of this monitoring data?







RainGrid
LOT-LEVEL STORMWATER UTILITIES

1) **We will integrate it with other sewer system monitoring data now being collected by the Town for a concurrent project;**

2) **All data will be analyzed using state-of-art computer (predictive) modelling tools to help our team identify sustainable (and "Smart") homeowner flood protection products / practices; and,**

3) **Project findings will help the Town and Environment Network seek other funding to expand the use of the SafeSump™, RainGrid™, rain garden and permeable parking lot systems <u>on a larger basis</u>.**

Thank-you for joining us today.

We look forward to speaking with you.

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