



Public Open House – May 25, 2019



Presentation Overview

- ▶ Introductions & History
- ▶ Purpose of this Public Open House
- ▶ Findings
- ▶ Review of Concepts
- ▶ Review of *HaveYourSayHK* Input
- ▶ Project Plan/Stage
- ▶ Public Questions and Input

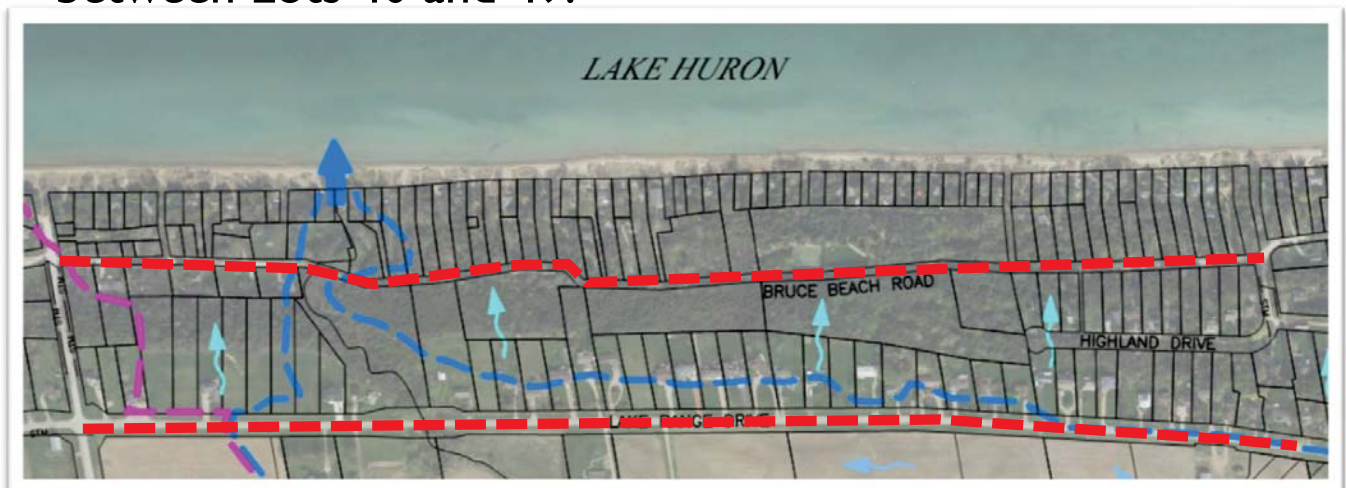


Introduction and History



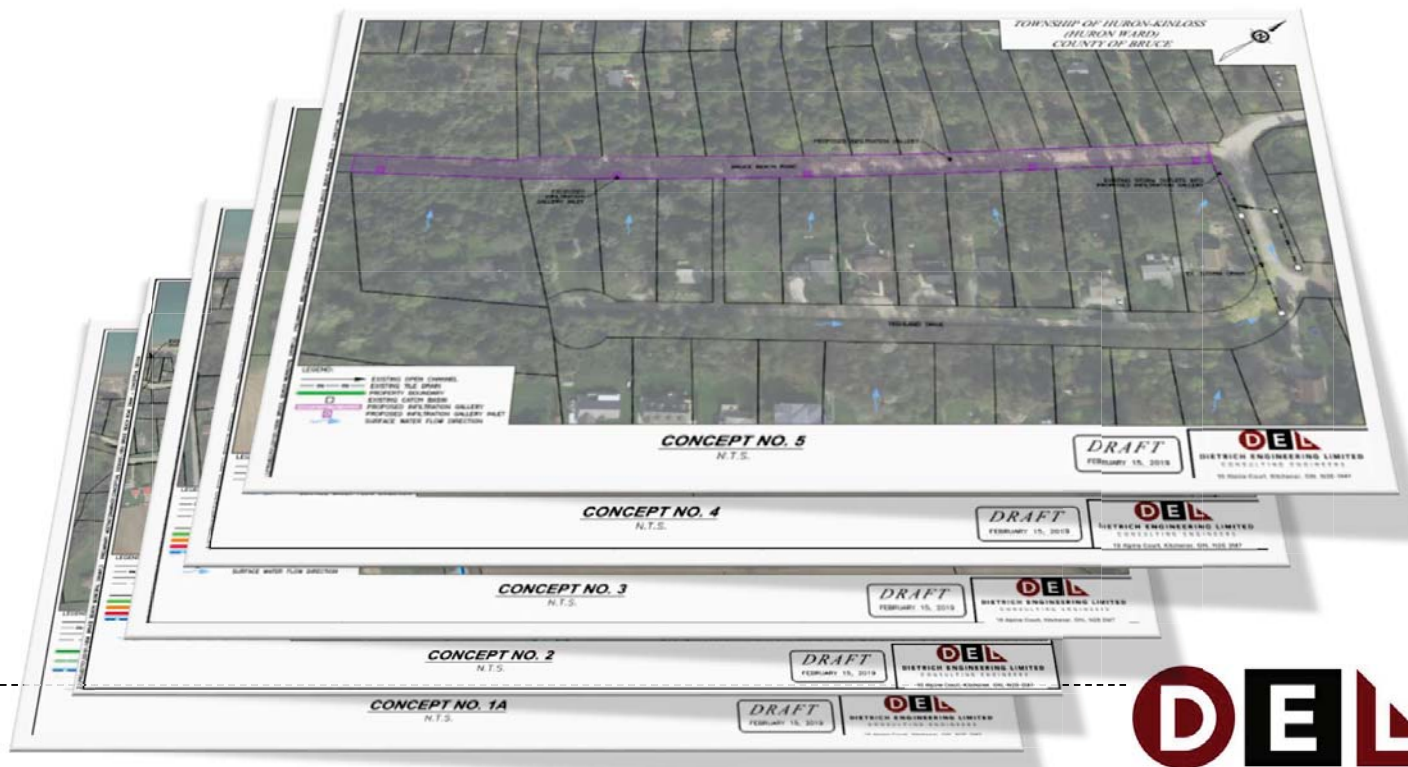
Introduction

- ▶ Dietrich Engineering Limited Appointed by the Council of the Township of Huron-Kinloss on November 19, 2018 under Section 4 (1)(c) of the Drainage Act.
- ▶ To provide a drainage works for Bruce Beach Road between Concession 8 road and Highland Drive and Lake Range Road between Lots 40 and 49.



History

- ▶ Dietrich Engineering Limited presented five conceptual designs and a general project plan at the February 11, 2019 Council Meeting.



Purpose of Public Open House



Purpose of Public Open House

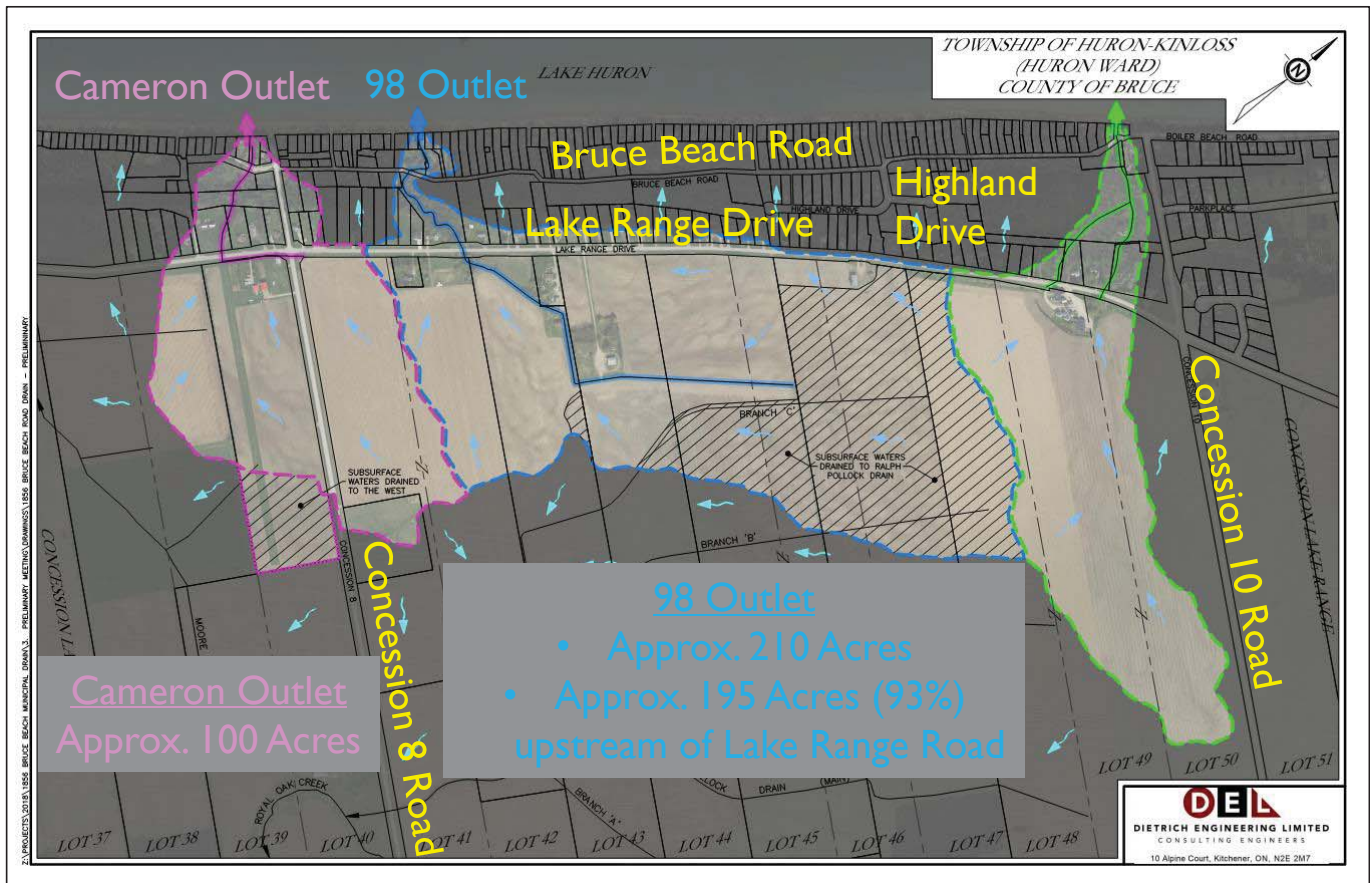
- ▶ For the Engineer to obtain as much information as possible which will help the Engineer prepare a practical design solution for the drainage problems which are occurring along Bruce Beach Road.
- ▶ To add another forum for community involvement and input in addition to the *HaveYourSayHK* website.



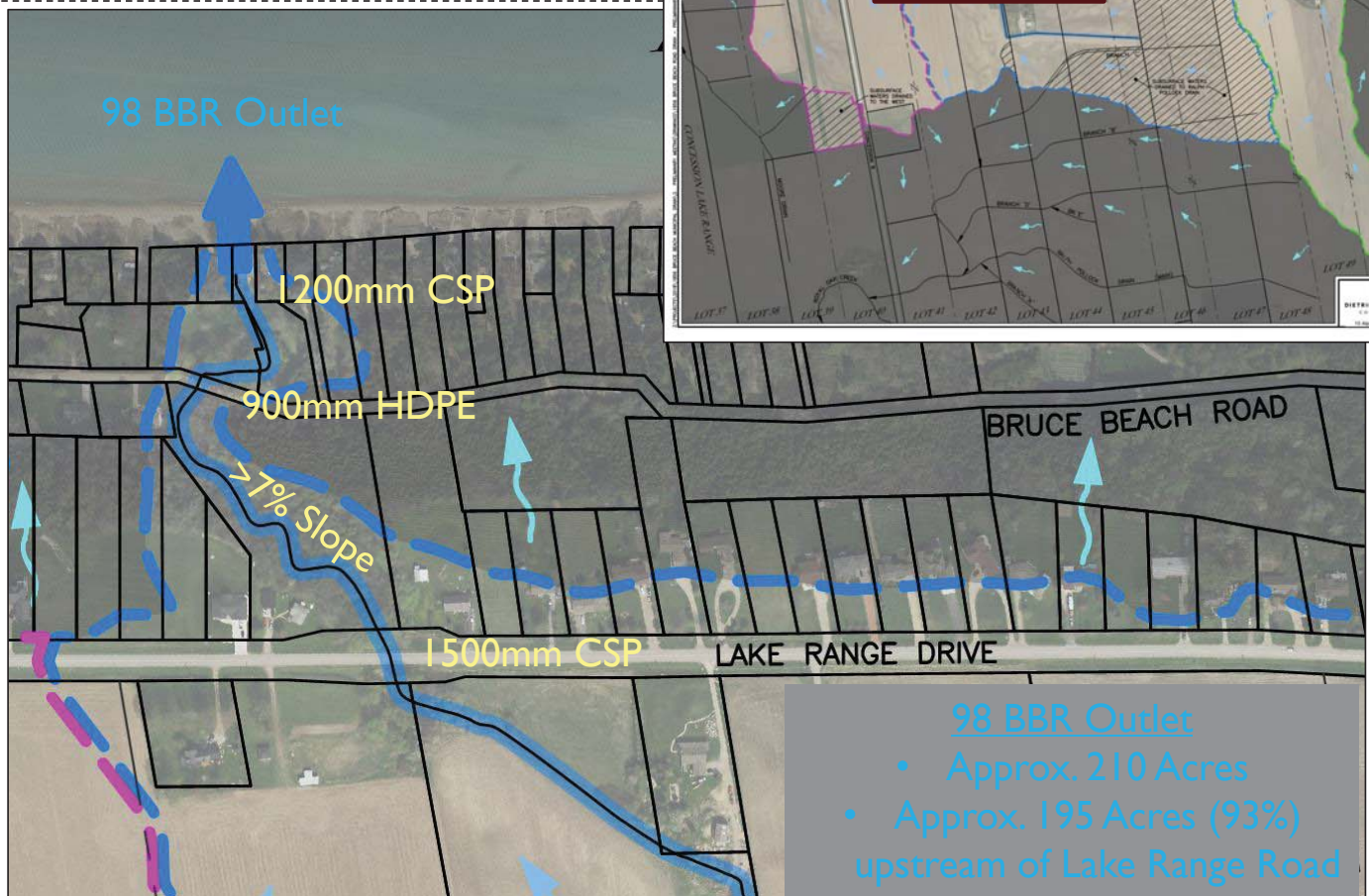
Findings



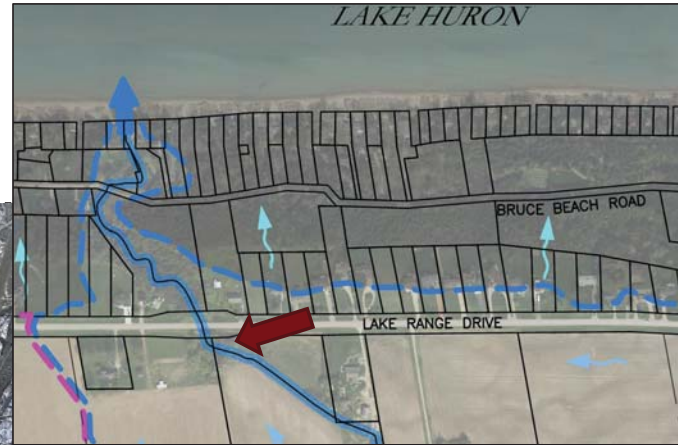
Findings (so far)



Findings (so far)



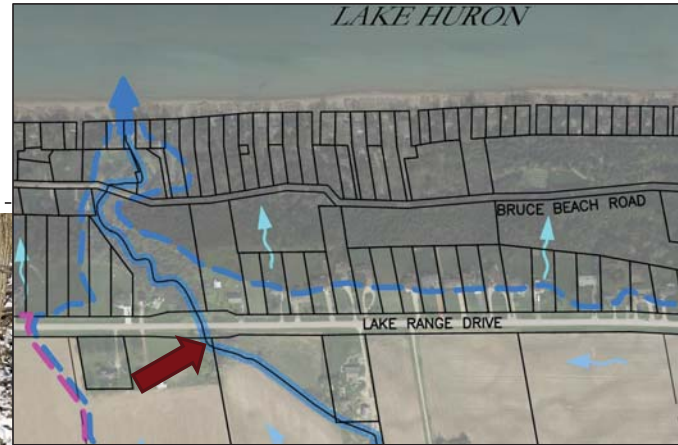
Findings (so far)



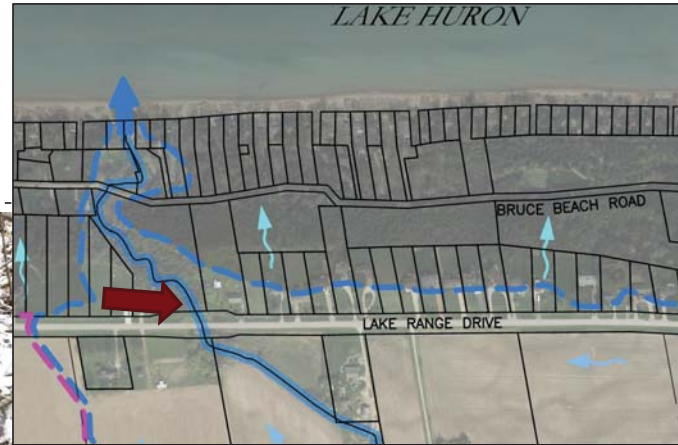
Findings (so far)



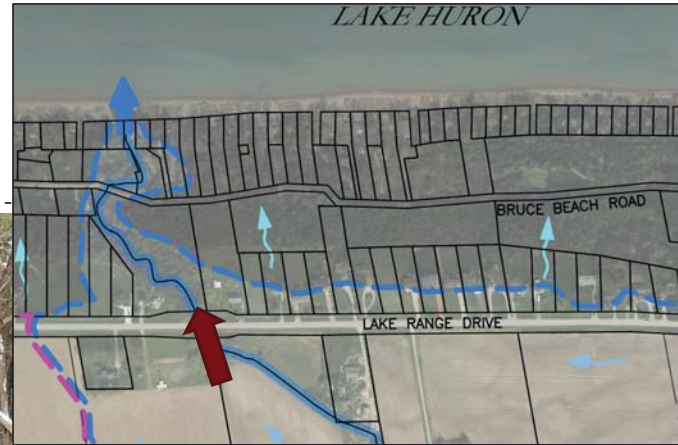
Findings (so far)



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Findings (so far)



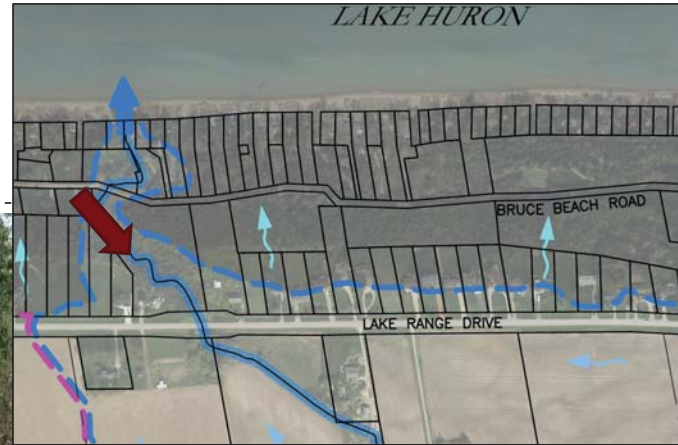
Findings (so far)



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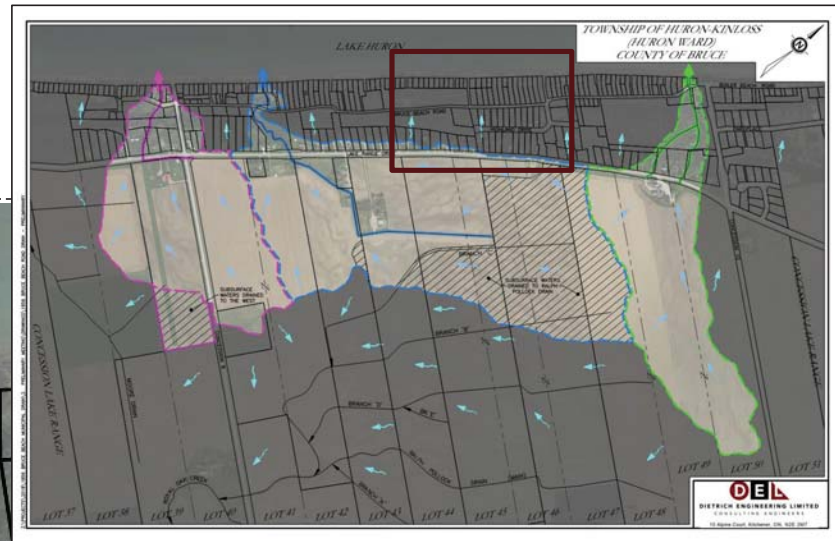
Findings (so far)



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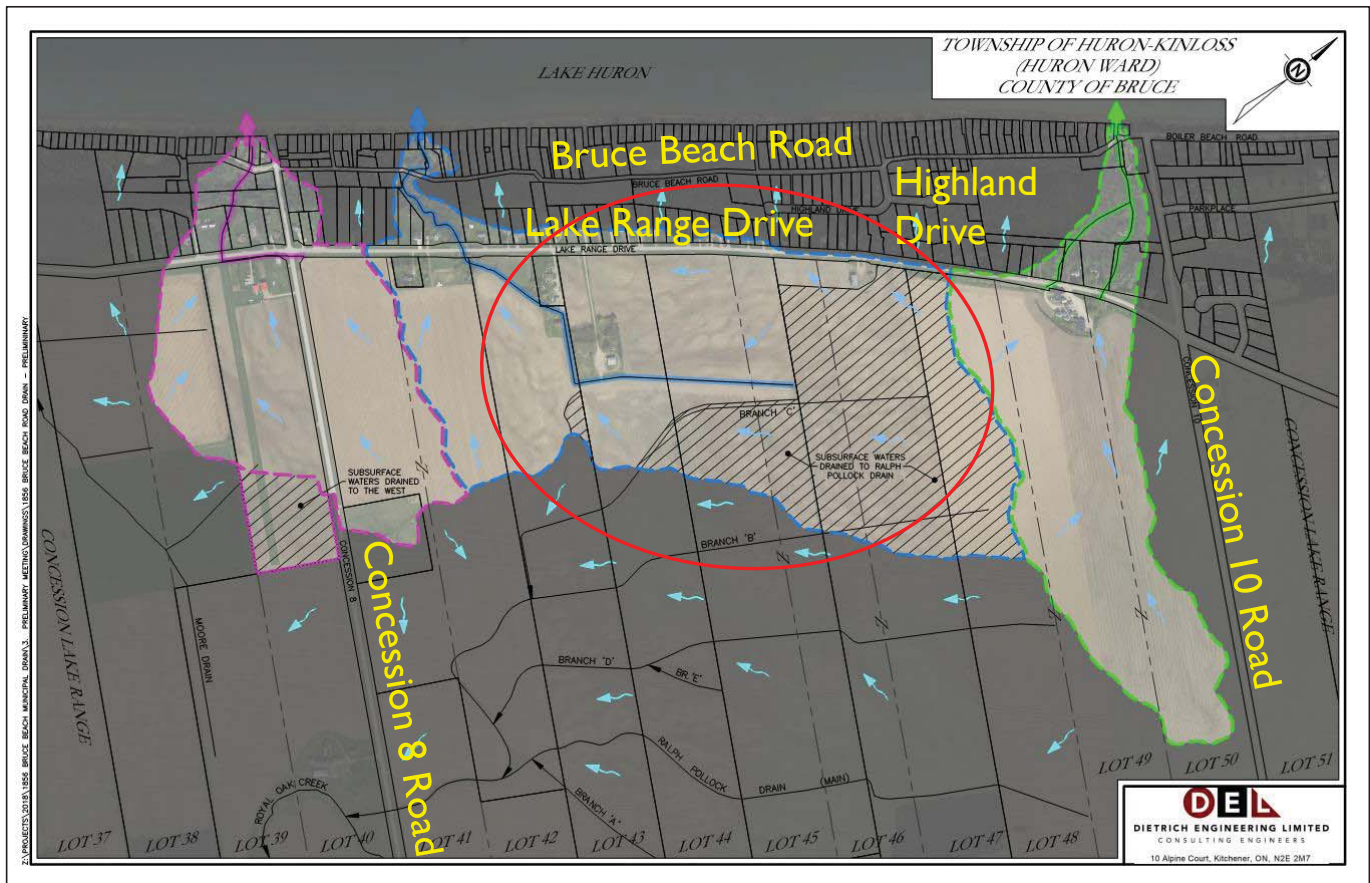


Findings *(so far)*

- ▶ 2006
- ▶ 2010
- ▶ 2015



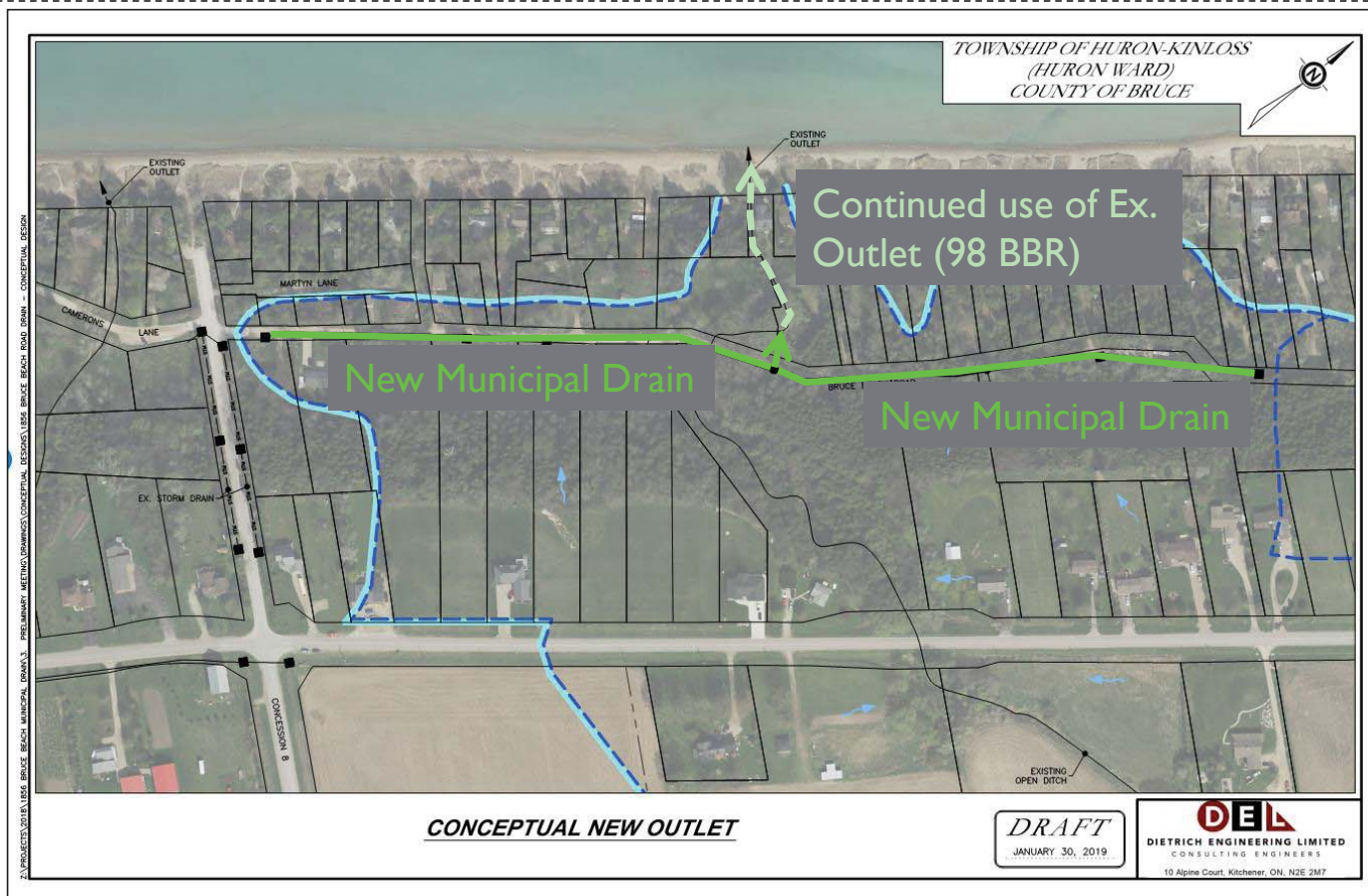
Findings (so far)



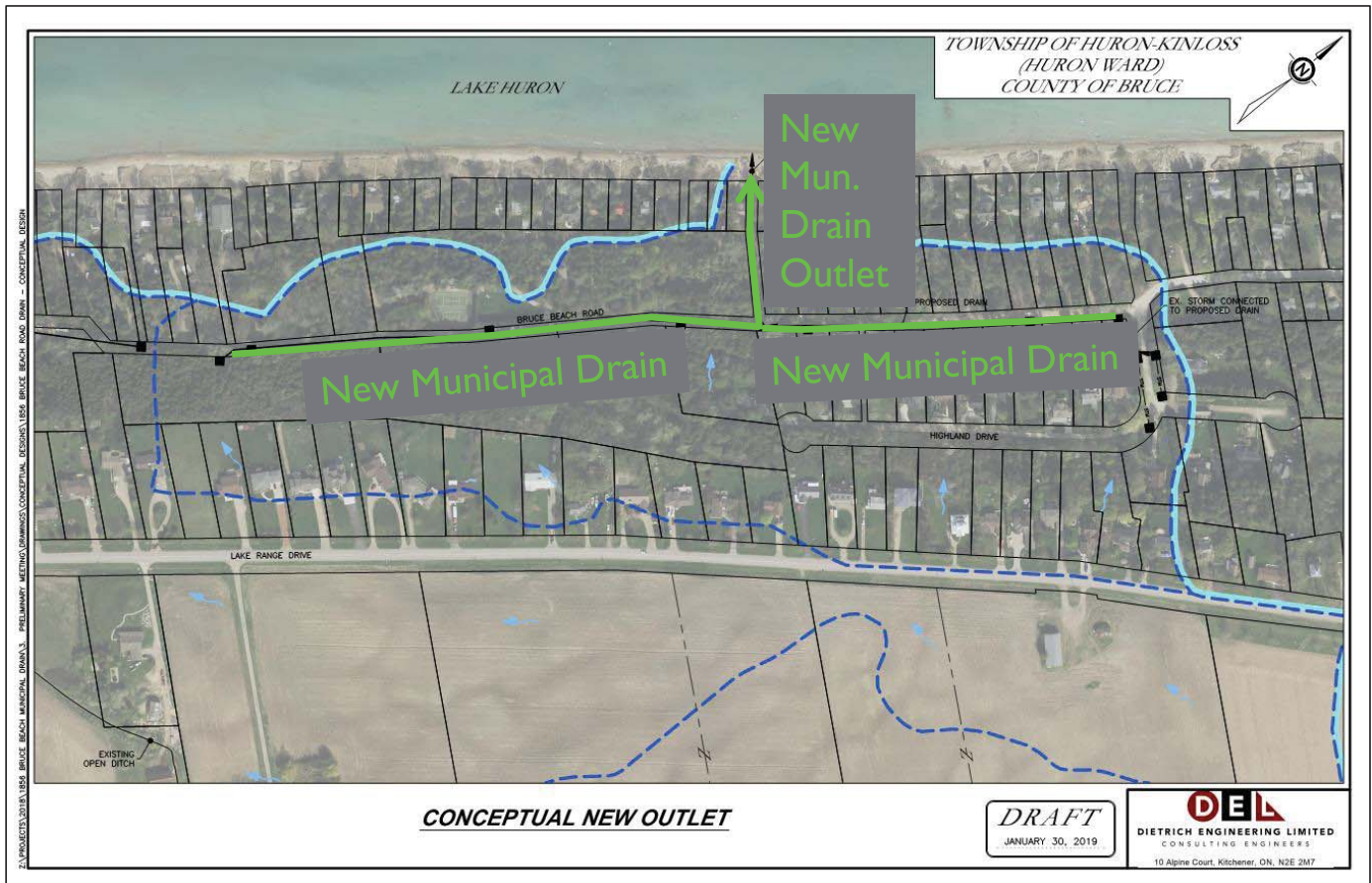
Review of Concepts



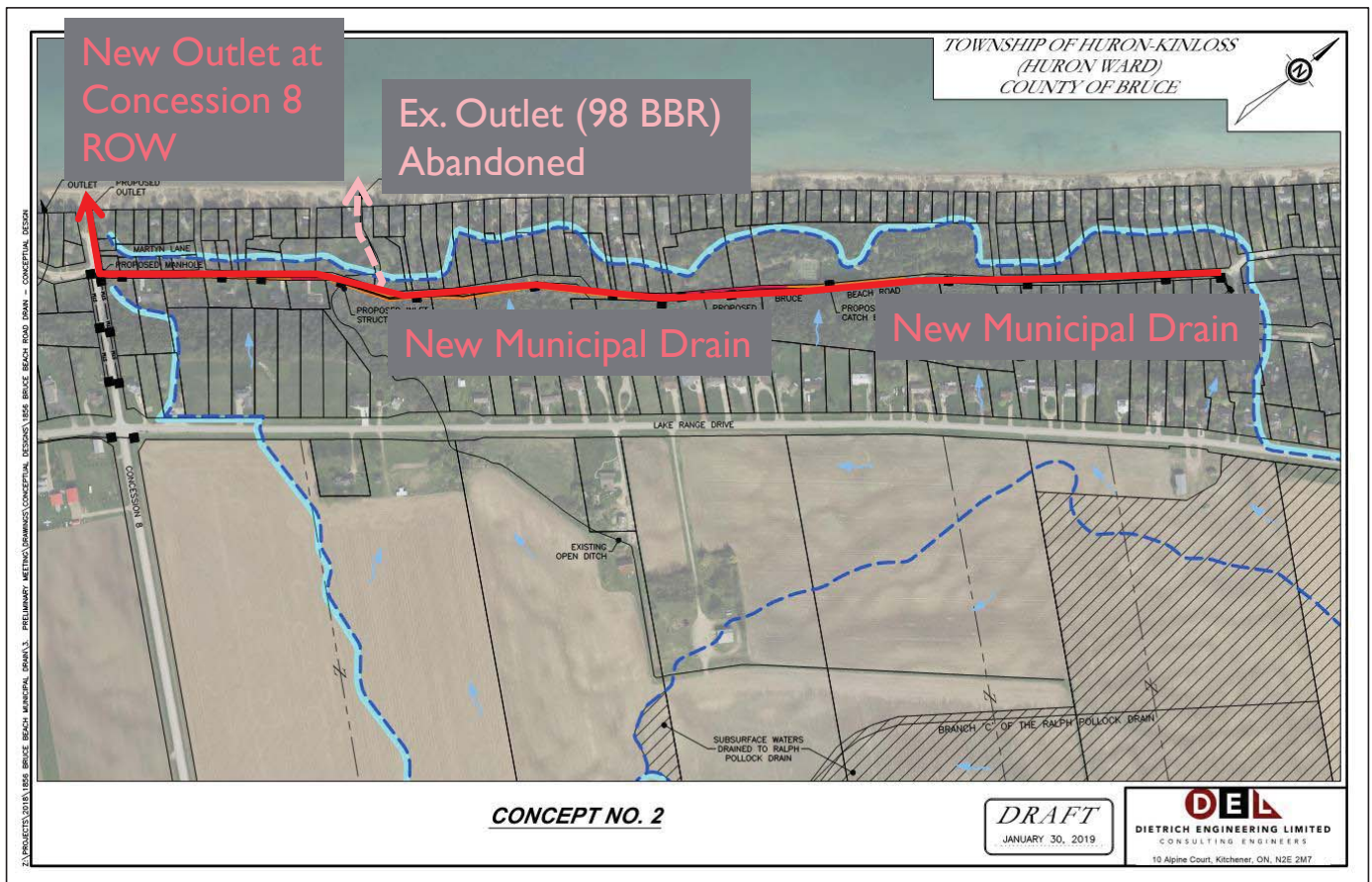
Concept No. 1a (98 BBR)



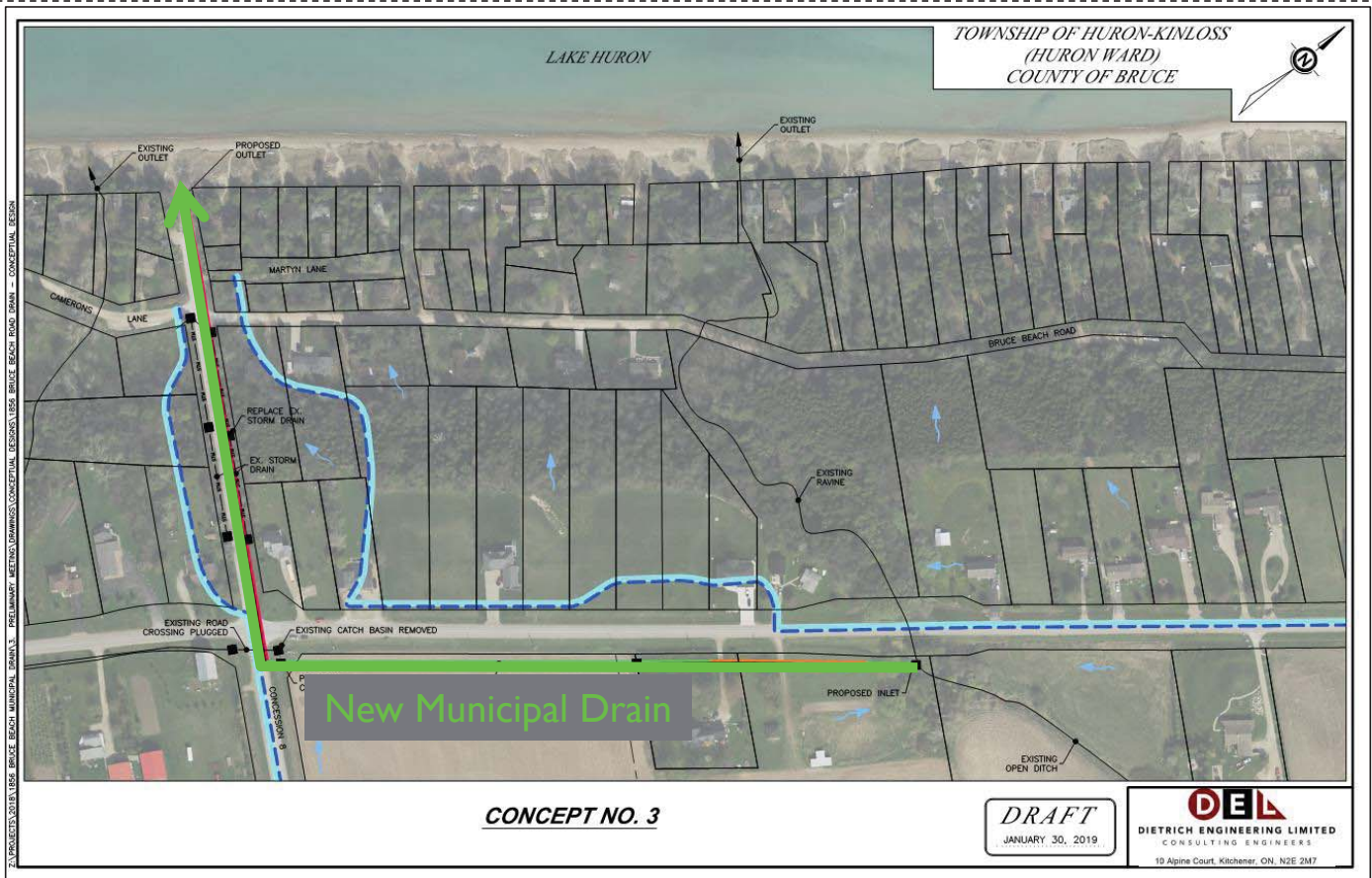
Concept No. 1b (Highland Drive)



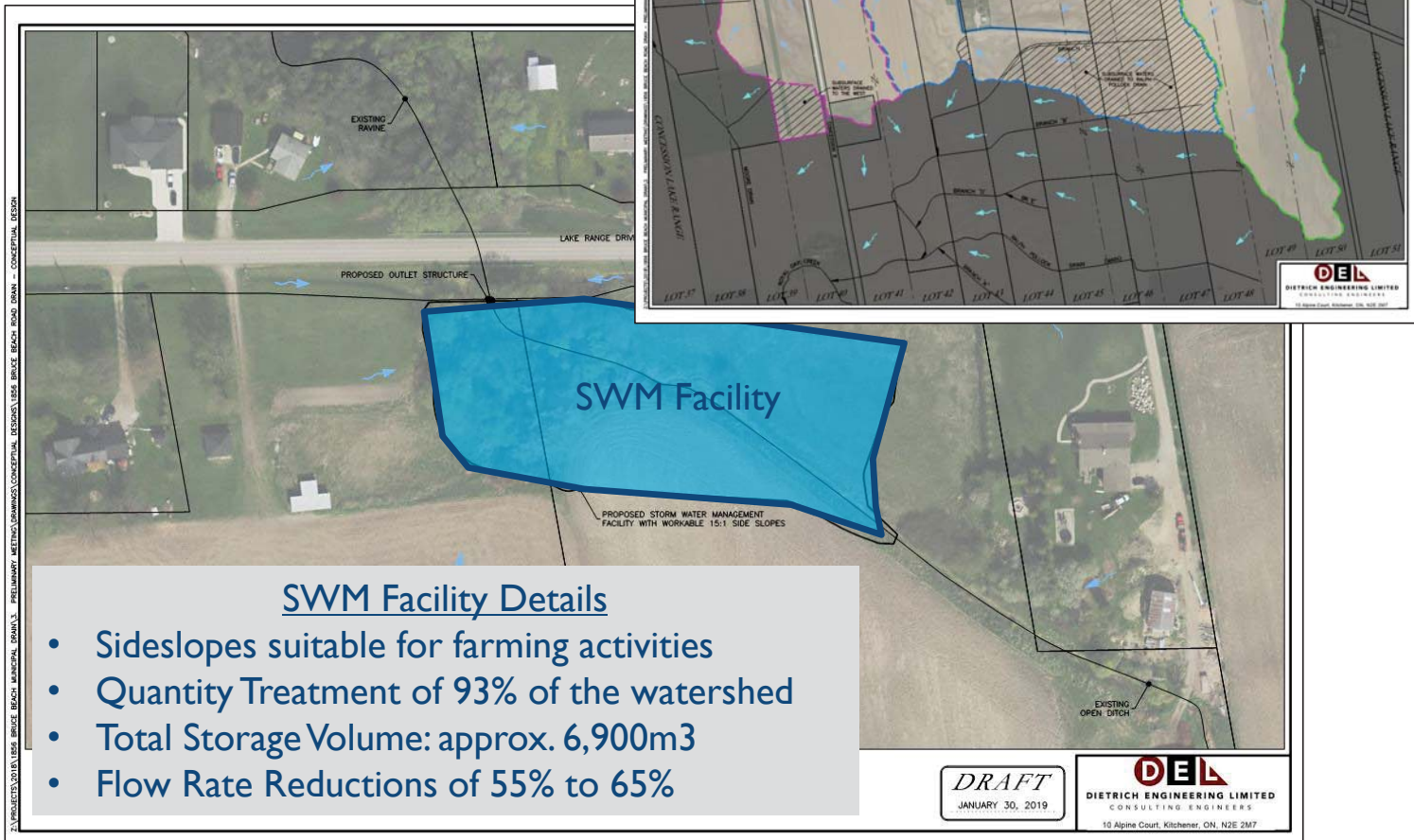
Concept No. 2



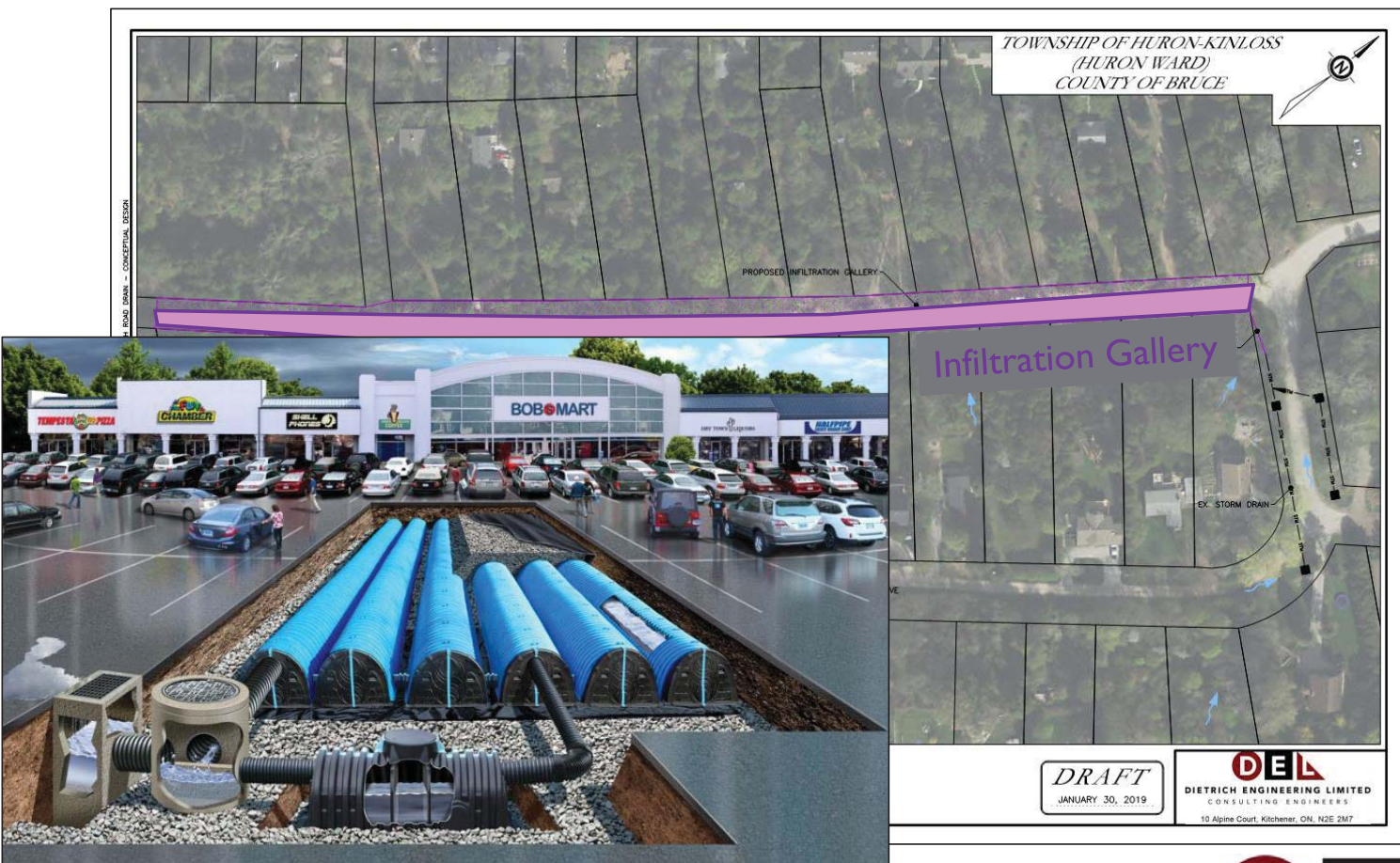
Concept No. 3



Concept No. 4



Concept No. 5



► Photo Source: Aqua Q website



Scenario Comparison

Concept No.	Description	Feasibility / Practicality	Additional Comments
1a	New drainage system along south part of BBR Continued use of 98 BBR	Fair	Fails to meet guiding principals. Low complexity
1b	New drainage system along north part of BBR New outlet to Lake Huron	Fair	Fails to meet guiding principals. Low complexity
2	New drainage system along BBR New outlet @ Con 8	Very low feasibility	Meets most guiding principal Poses significant construction challenges
3	New drainage system along Lake Range New outlet @ Con 8	Fair	Meets some guiding principals
4	Detention facility @ Lake Range Road	Positive	Meets most guiding principals Can be coupled with other concepts
5	Infiltration @ Highland Drive	Unknown	Meets most guiding principals Needs more information



Review of *HaveYourSayHK* Input



HaveYourSayHK Input

- ▶ Comments have been paraphrased and grouped into four groups
 - ▶ Procedural
 - ▶ Problem Causes & Severity
 - ▶ Design
 - ▶ Costs & Assessments



HaveYourSayHK Input - Procedural

PROCEDURAL COMMENTS



SVCA Involvement and permitting of more development on Lake Range Road



Have another Engineer conduct a review of engineering work

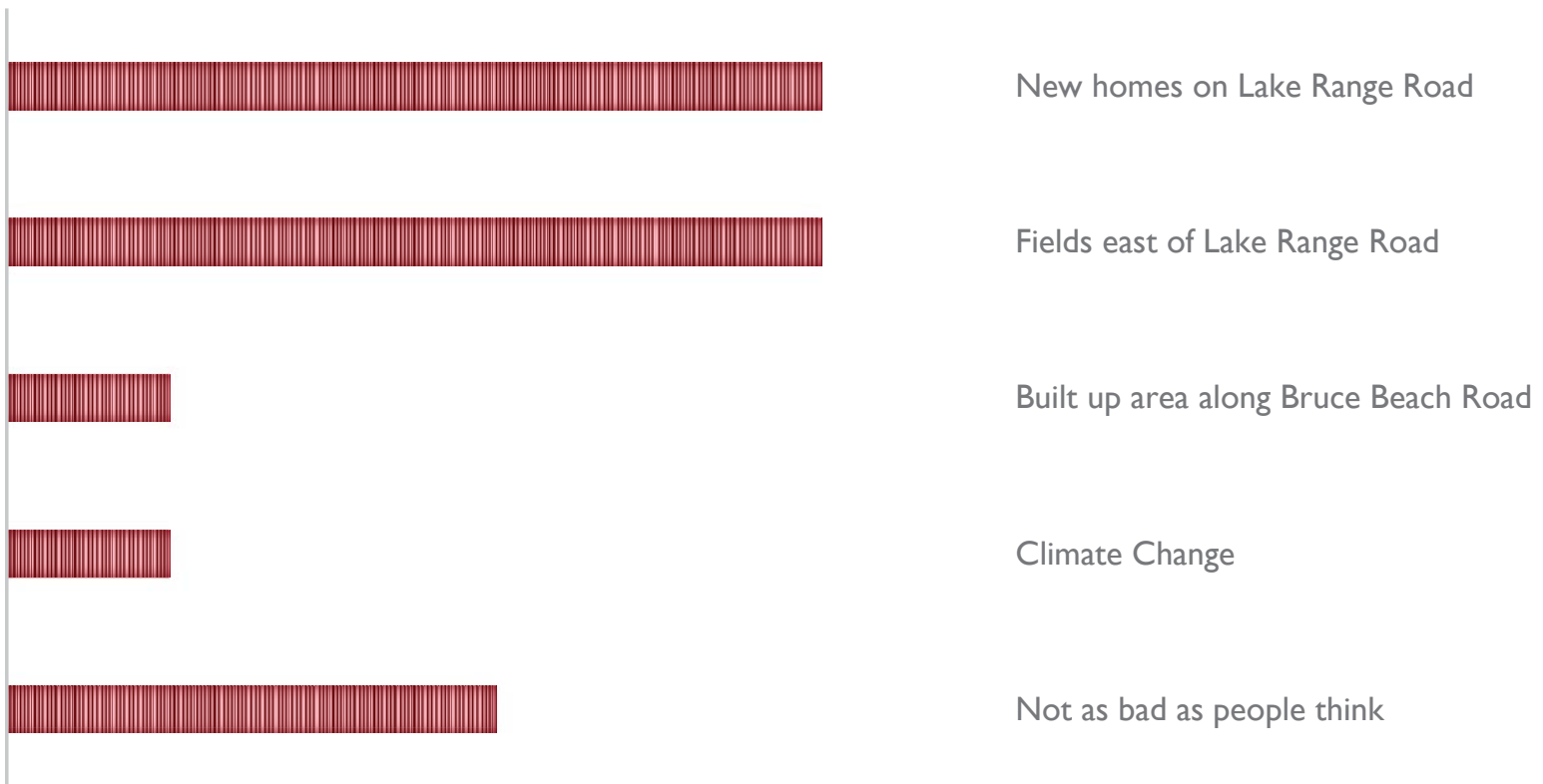


Expand the extents of the petitioned area to the North



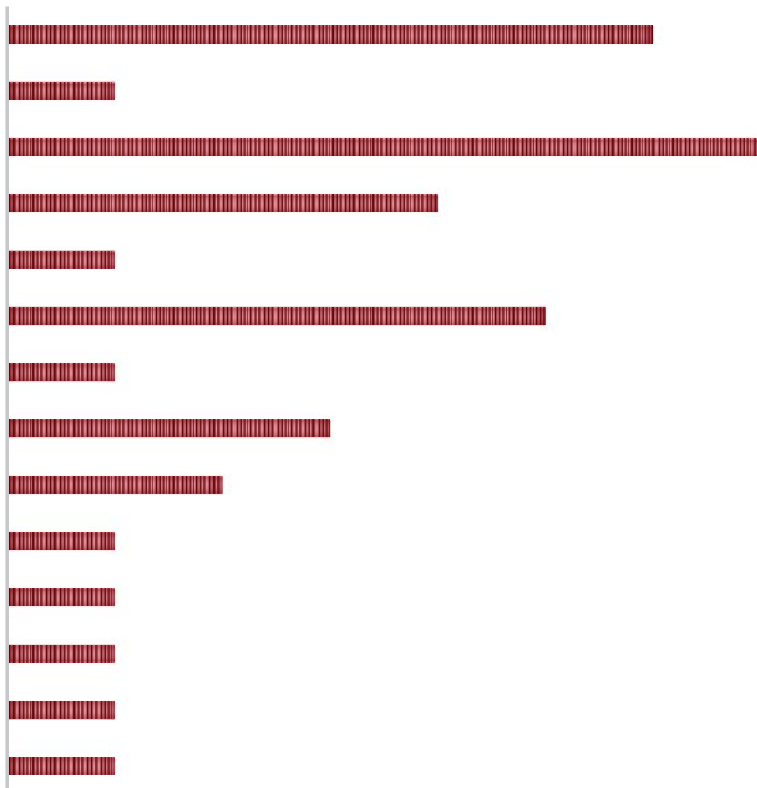
HaveYourSayHK Input – Problems Causes & Severity

PROBLEM CAUSES & SEVERITY COMMENTS



HaveYourSayHK Input – Design

DESIGN COMMENTS

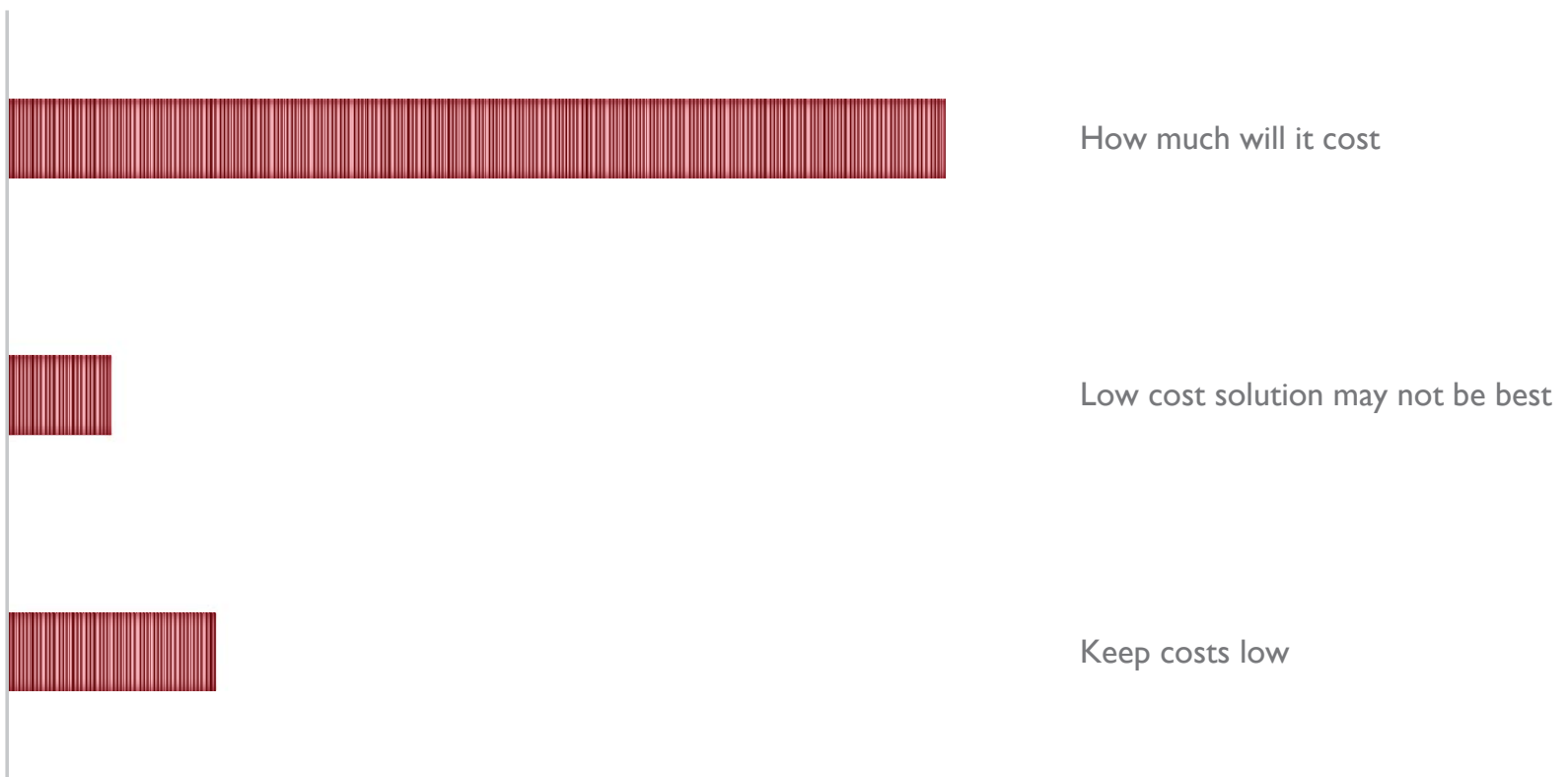


Design a solution at the source of the flow
Design a solution at the problem location (BBR)
Water quality
No new outlets to the beach
Support for Concept No. 1
Support for Concept No. 4 (SWMF)
Do not support Concept No. 4
Support for Concept No. 5 (Infiltration)
New roadside ditches along BBR
Build up BBR
French Drains along LRR and Highland Drive
Bank Stability
Reference to national sewer/SWM guide
Do nothing



HaveYourSayHK Input – Costs & Assessments

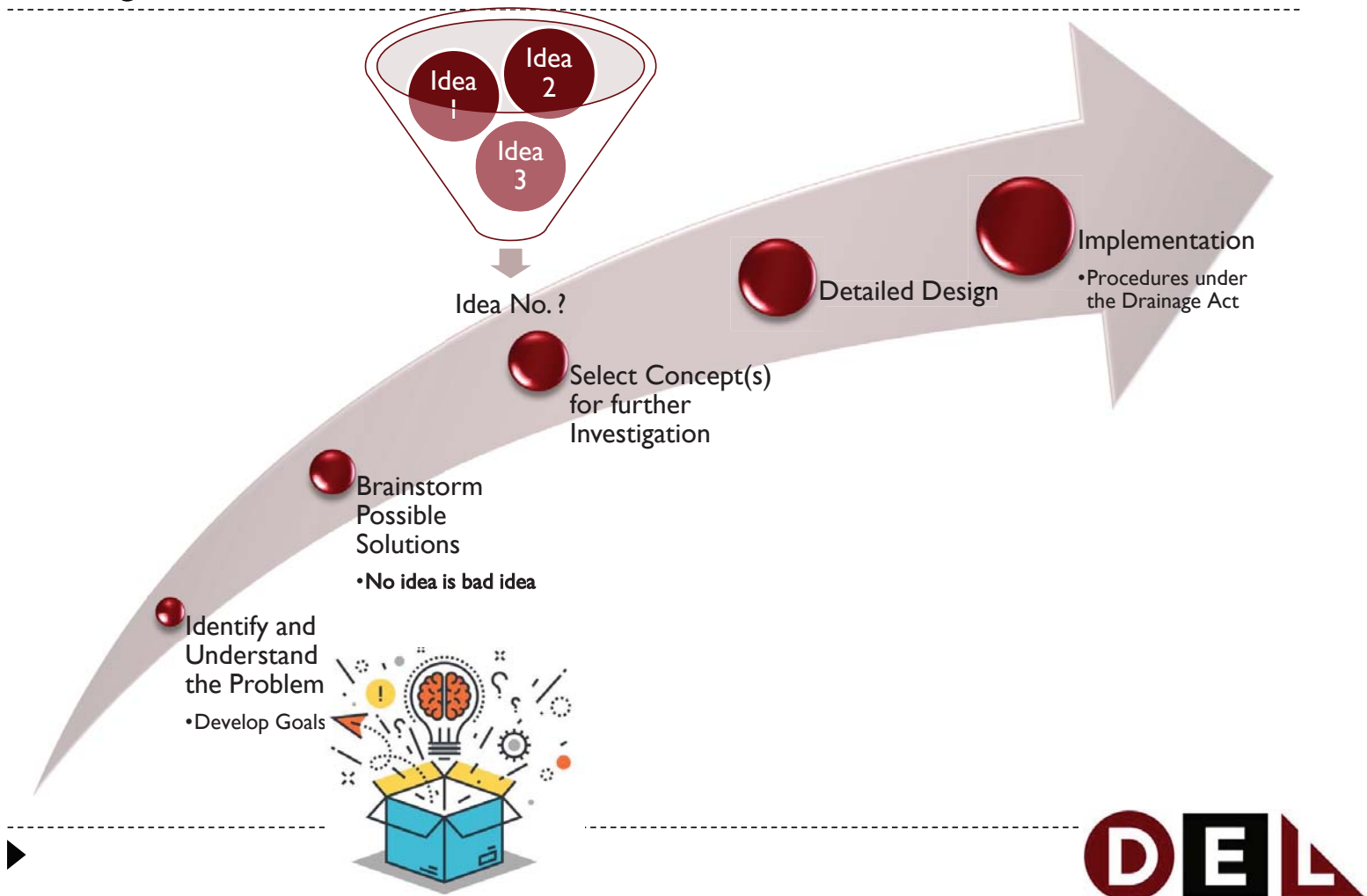
COSTS & ASSESMENT COMMENTS



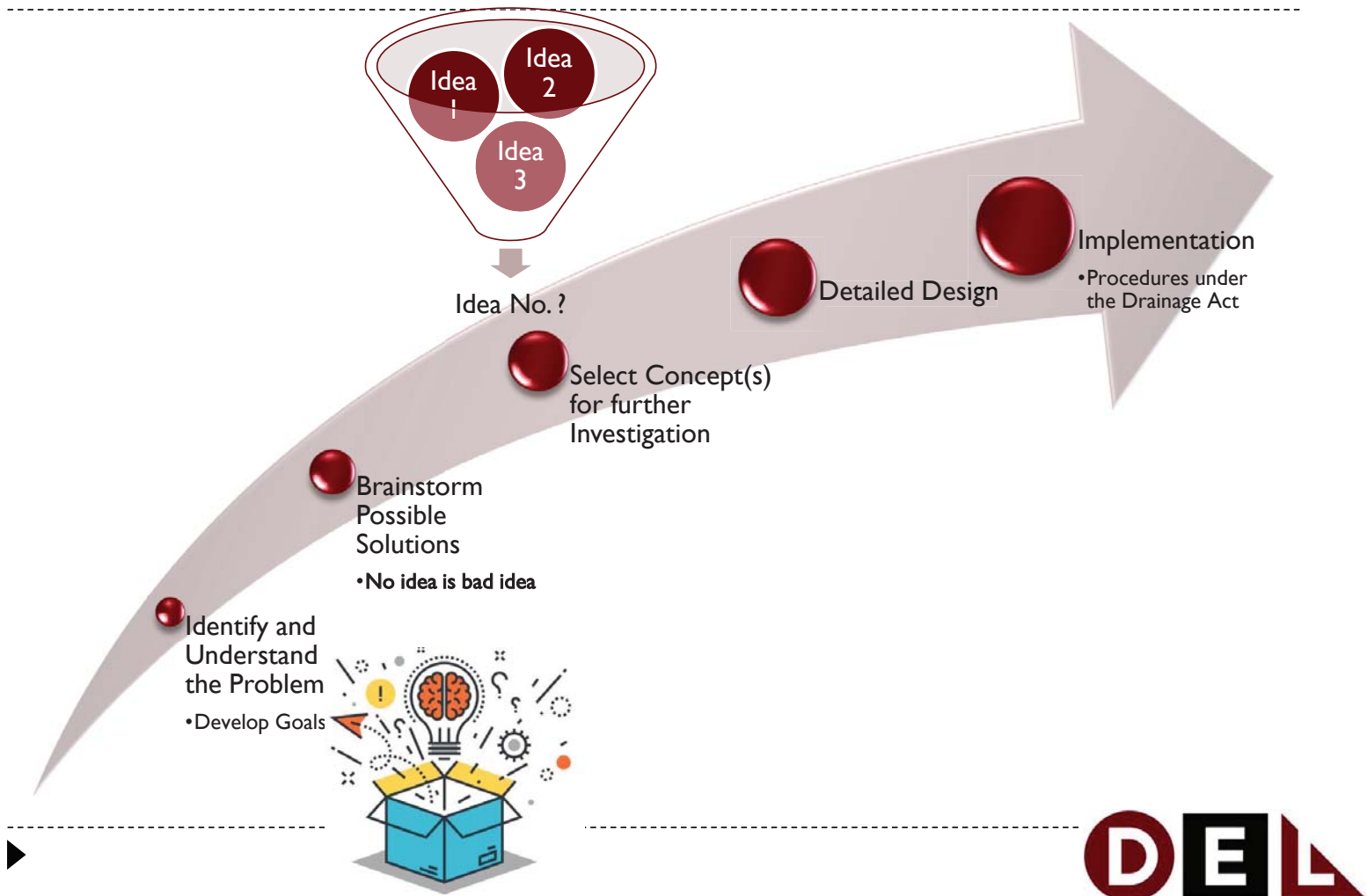
Project Plan



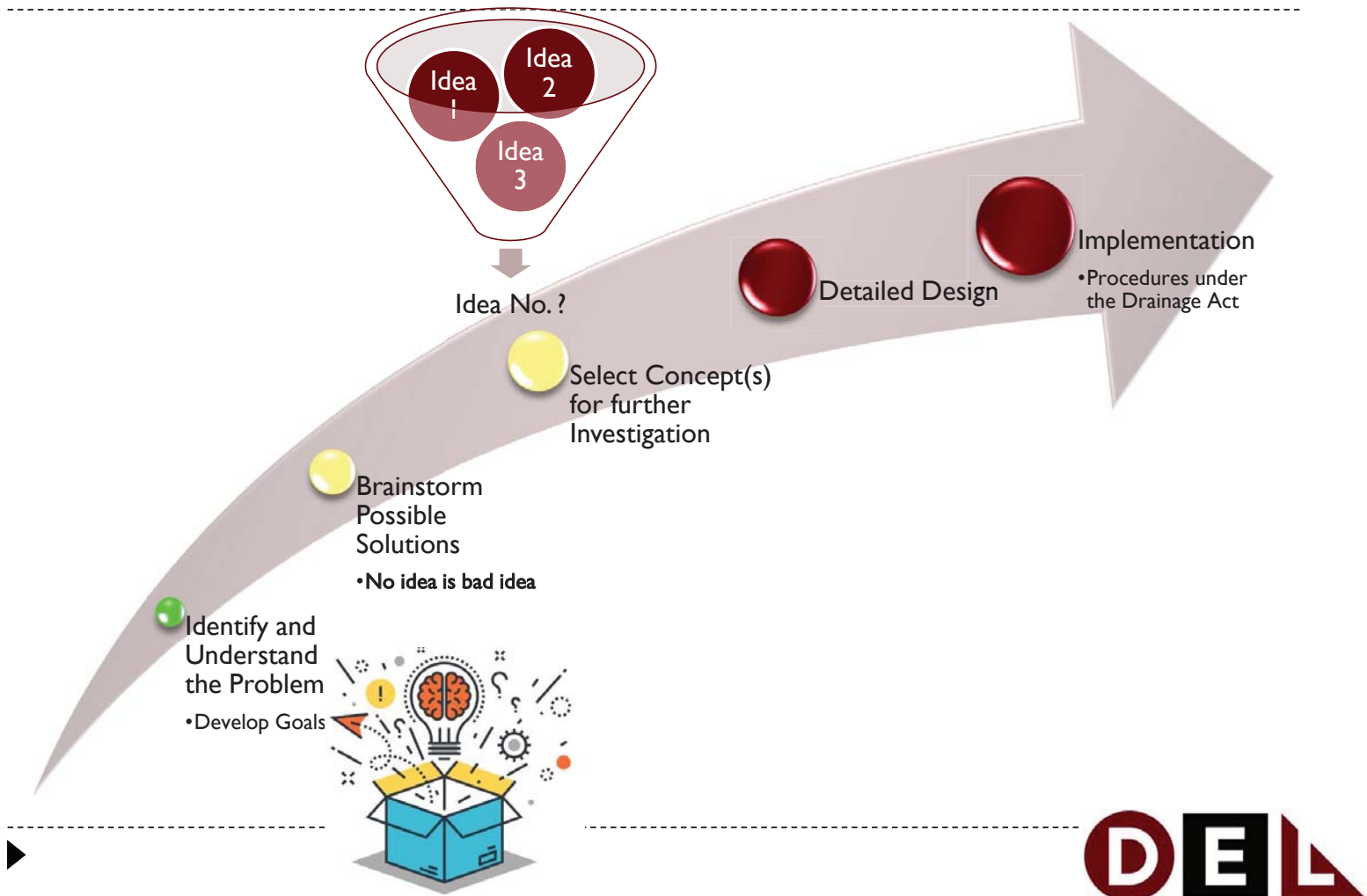
Project Plan



Where are we now?



Where are we now?



Public Questions & Input

