

2023 Conference Canada's Premier
Stormwater and Erosion
and Sediment Control
Conference

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Presented by:



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Presented by: James Cowan

March 23, 2023









Overview

Purpose

Data Requirements

Methodology

Results



Purpose



CLI-ECA

 First consolidated linear infrastructure environmental compliance approval (CLI-ECA)



Ministry of the Environment, Conservation and Parks

Guide to Applying for the First Consolidated Linear Infrastructure Environmental Compliance Approval

Municipal Sewage Collection Systems & Municipal Stormwater Management Systems

Environmental Permissions Branch Ministry of the Environment, Conservation and Parks

v2.0 July 29, 2021



Information Needed (i.e. SWM Ponds, Sewers, Swales)

Location		Latitude and longitude or physical address (UTM coordinates can be provided in addition)		
Watershed/Subwatershed		Lake Simcoe/Bunkers Creek		
Pocoiver of discharge			to "BLANK" crook	
Outlet location	This is the infor		itude. (UTM coordinates can be provided in addition)	
Catchment Area Level of Treatment for	planned to obtain with the study		70/80%) Long-term suspended solids removal, or specify if other treatment	
Treatment for other contaminants, as required		phosphorus, water temperature		
Level of Volume control		Local 90th percentile rainfall event or local water balance (X mm)		
Design Storm		Quantity: X-yr storm; Quality: X-yr storm		
Reference ECA(s)		If there is an existing ECA for the facility, it should be indicated here (e.g., 1234-5A6BCD)		
Reference Works as part of treatment train		102-LID Bioretention Facility; ECA# if private works		
Brief Description		Include model number if equipment is used (e.g. OGS/filters)*		
Receive Emergency Sanitary Overflows Y/N;		Y/N; briefly desc	//N; briefly describe	
Notes / Additional Information		Provide any additional information relevant to this facility not captured above		



CVC Jurisdiction

Alton

Melville

Terra Cotta

Caledon Village

Inglewood

Cheltenham

Cataract

Belfountain

Mono Road

Claude

TRCA Jurisdiction

Caledon East

Palgrave

Bolton

Mayfield West

Campbell's Cross

Tamarack

Mono Mills

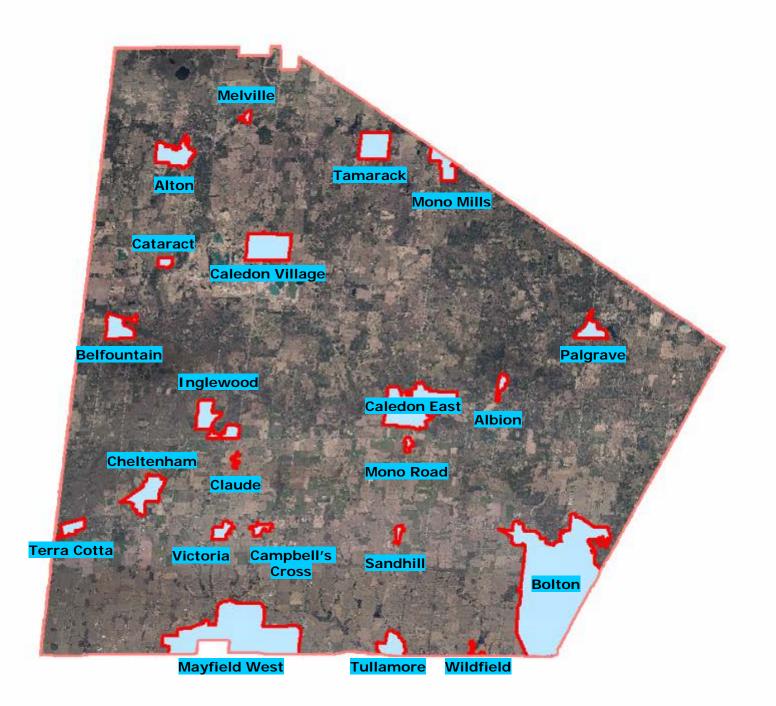
Albion

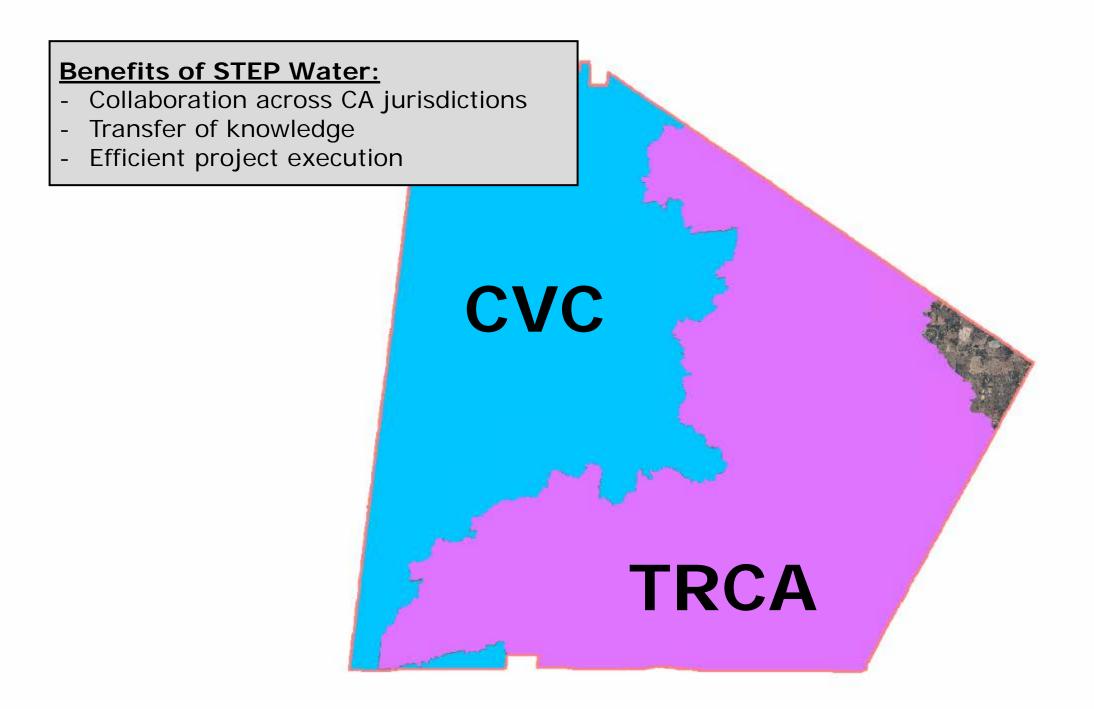
Victoria

Wildfield

Tullamore

Sandhill





Minor System Components



Curbs and Gutters



Pipes and Culverts



Swales/Ditches



Catchbasins



Major System Components



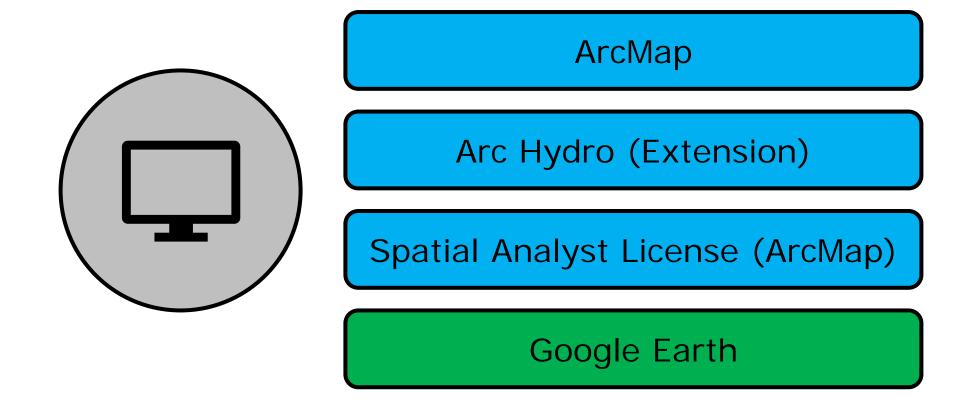




Data Requirements

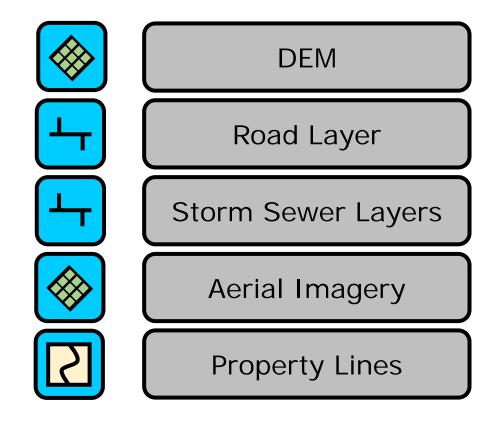


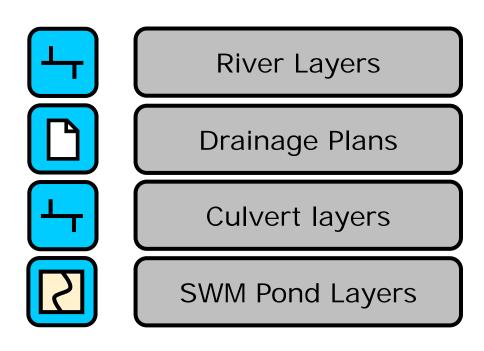
Software Requirements





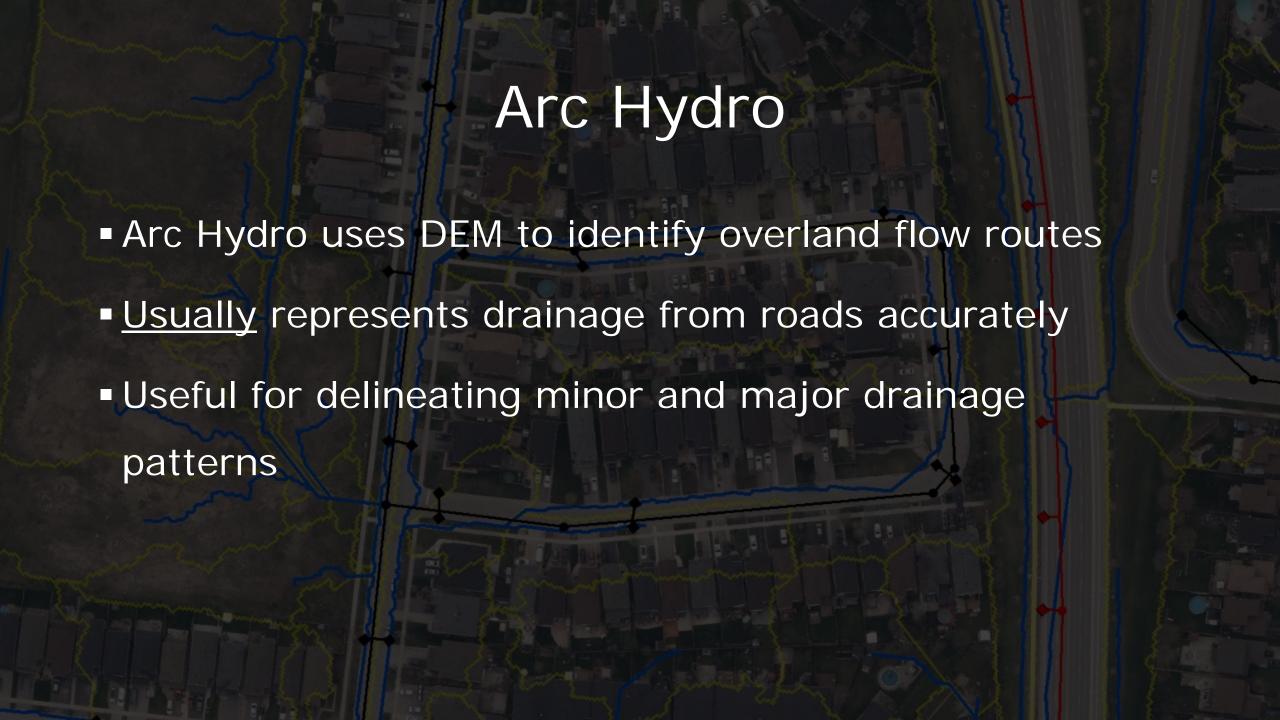
Data Requirements

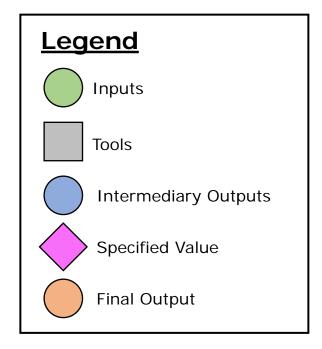


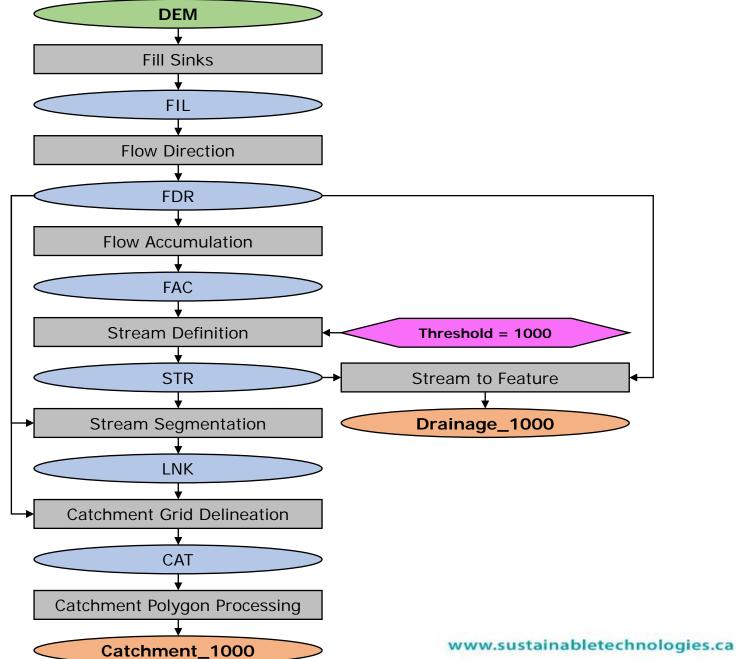


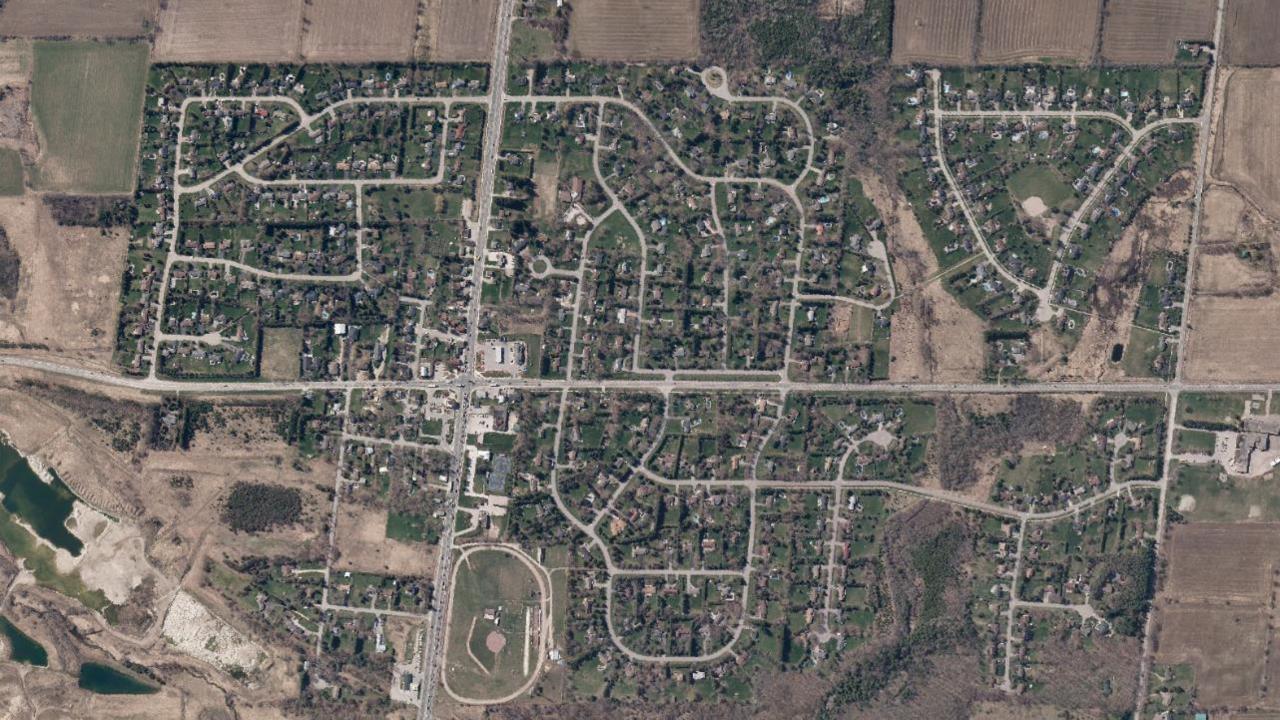
Methodology



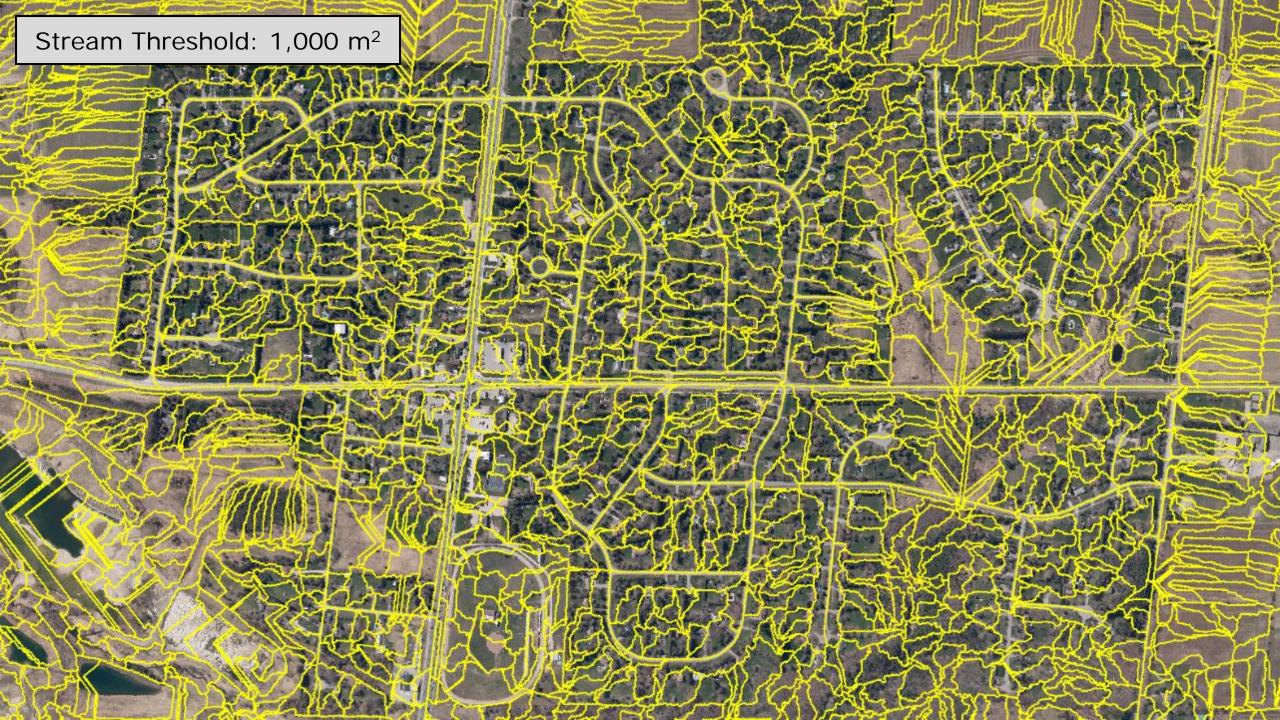






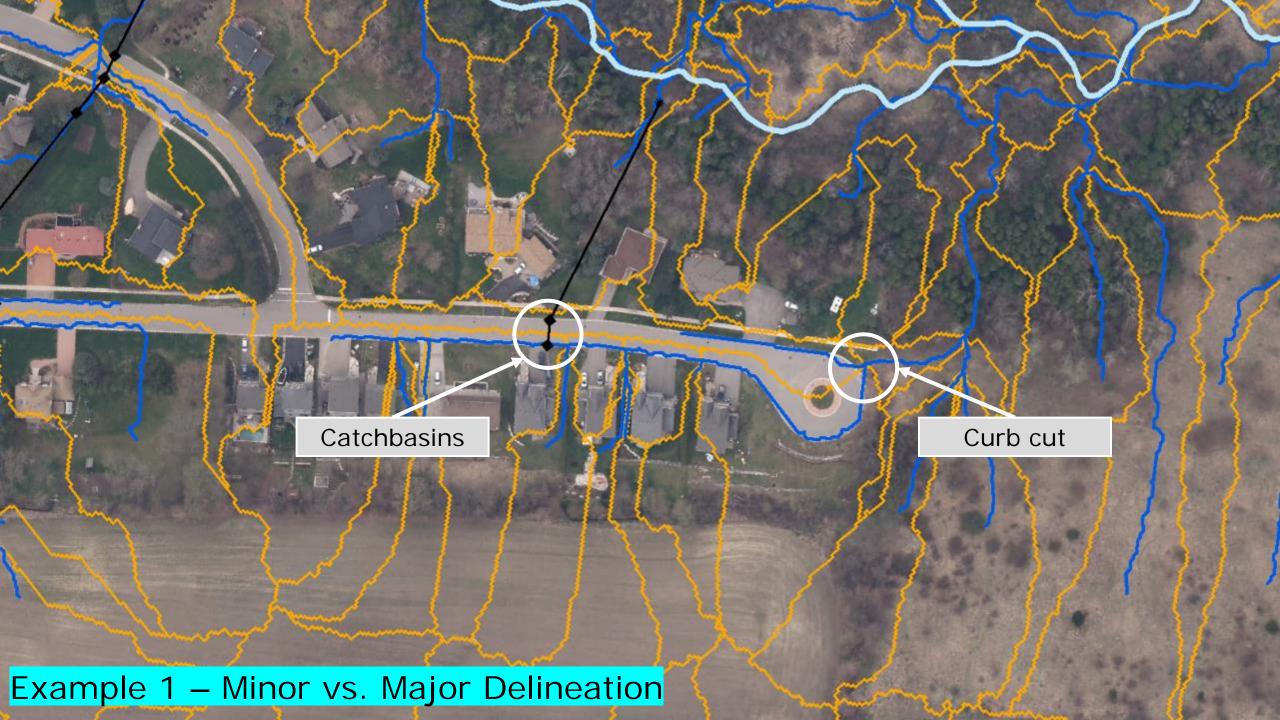


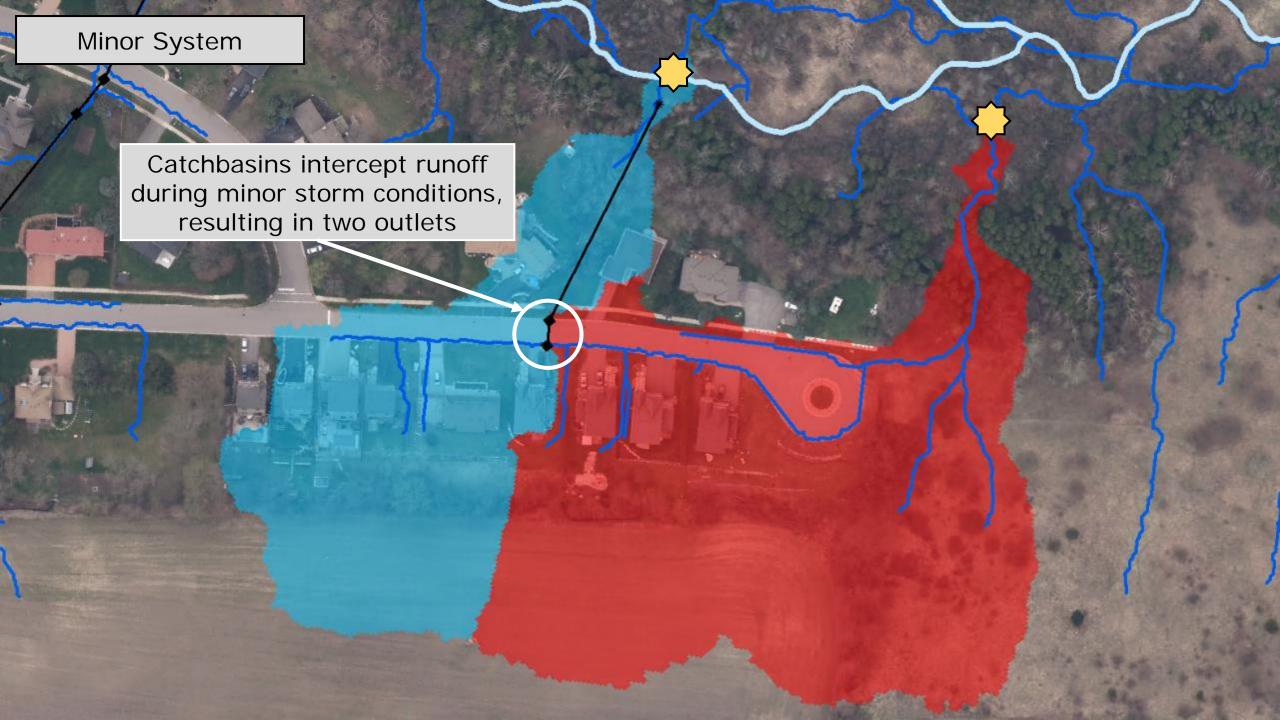


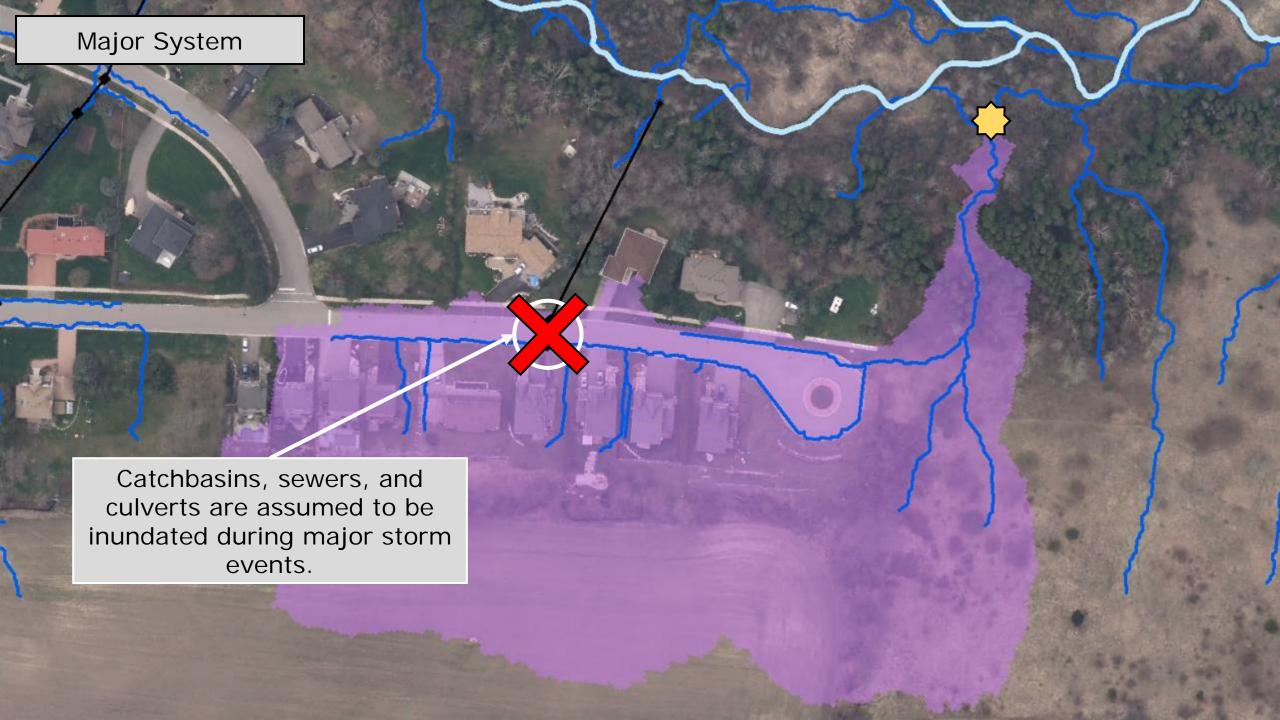


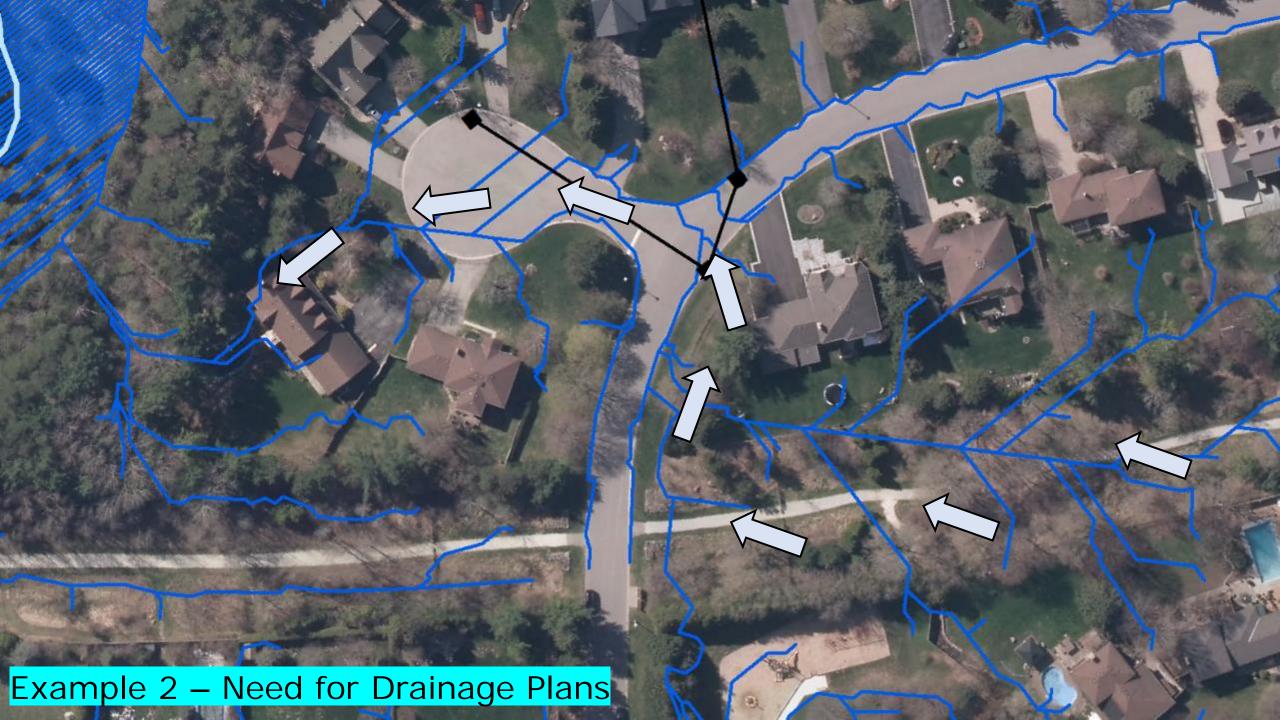


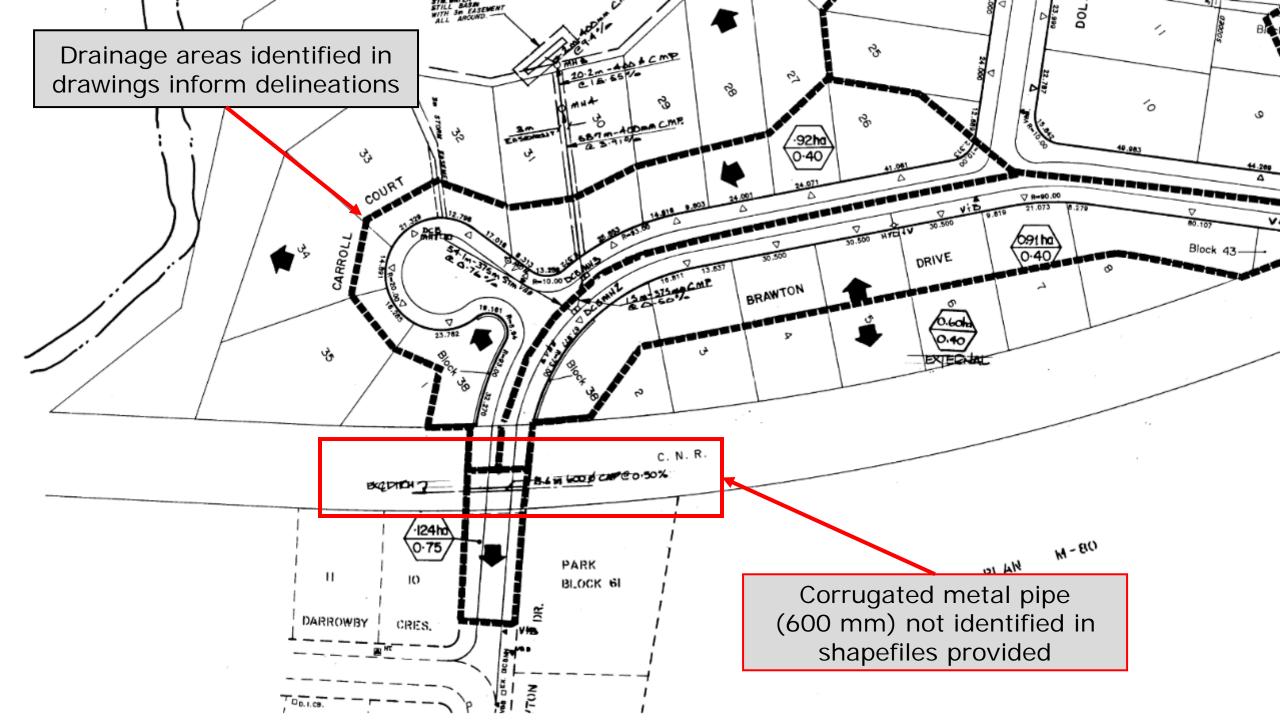


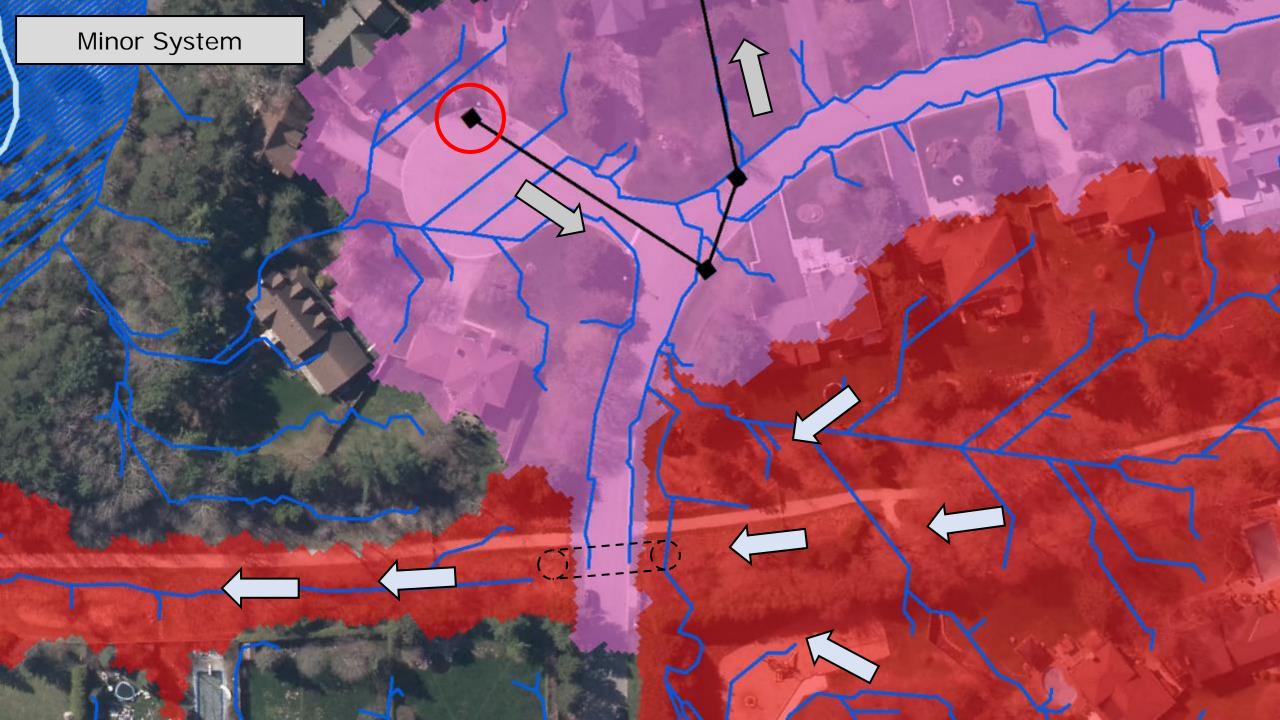




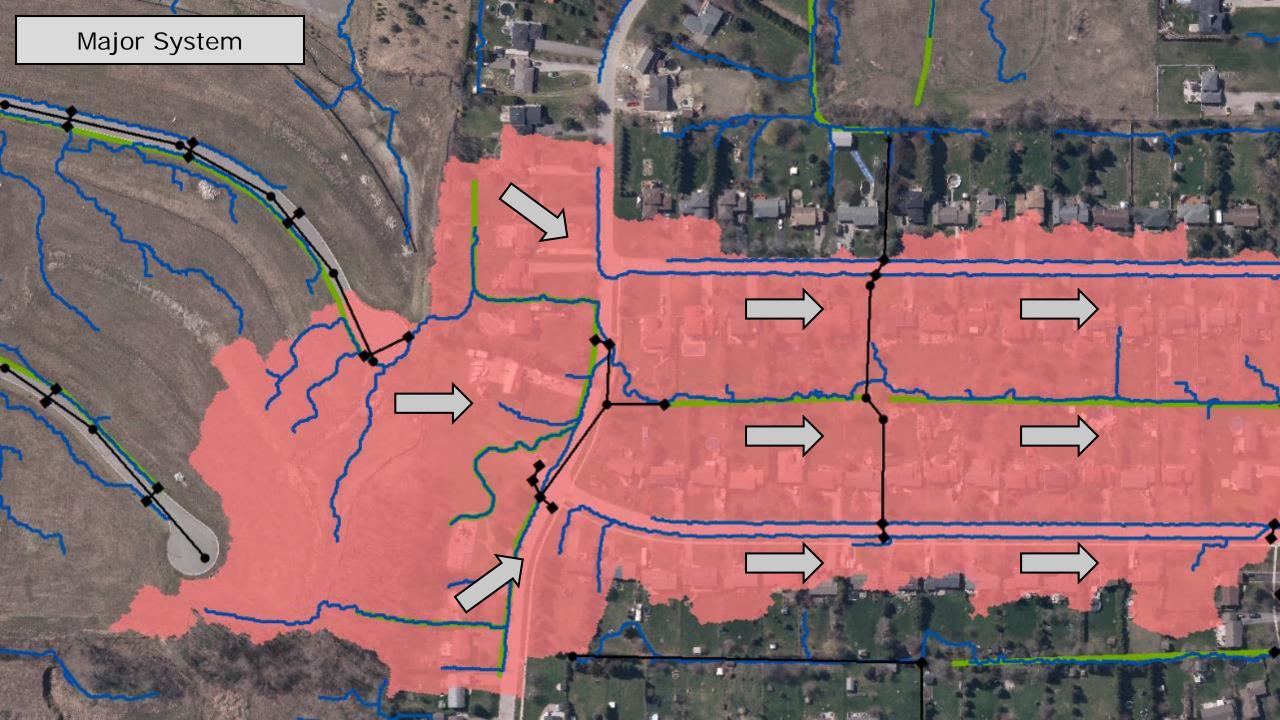


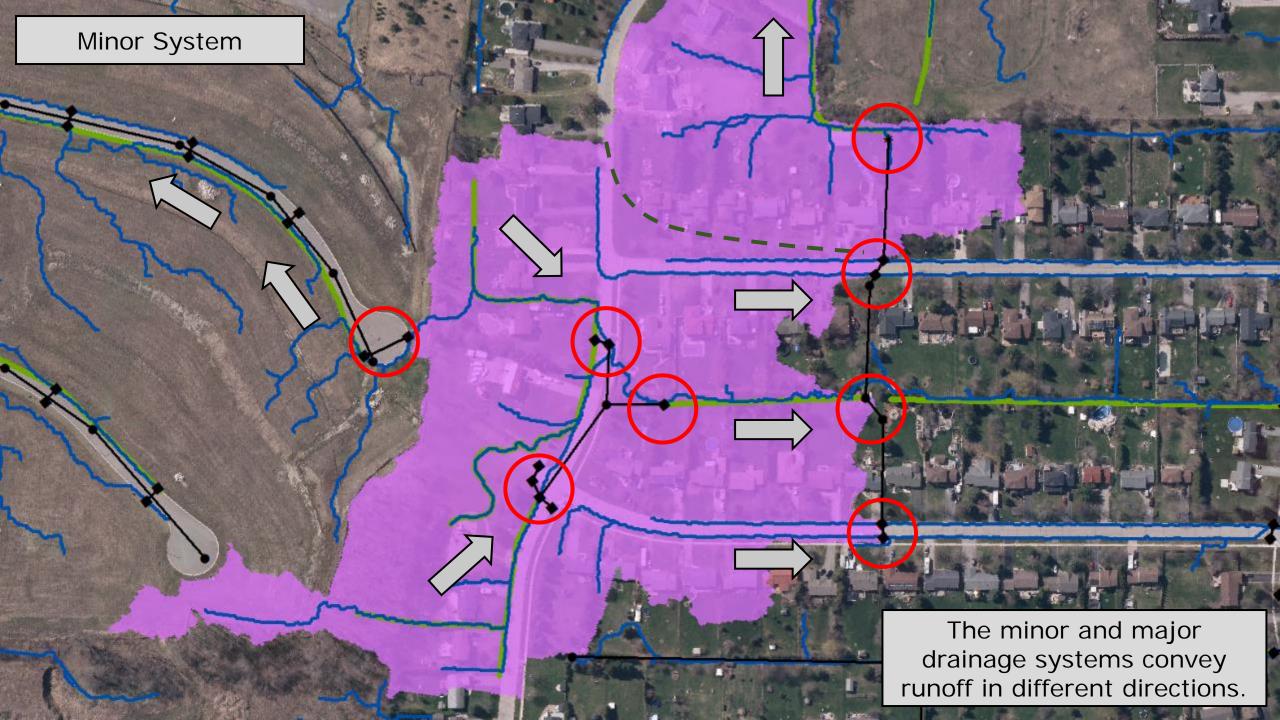


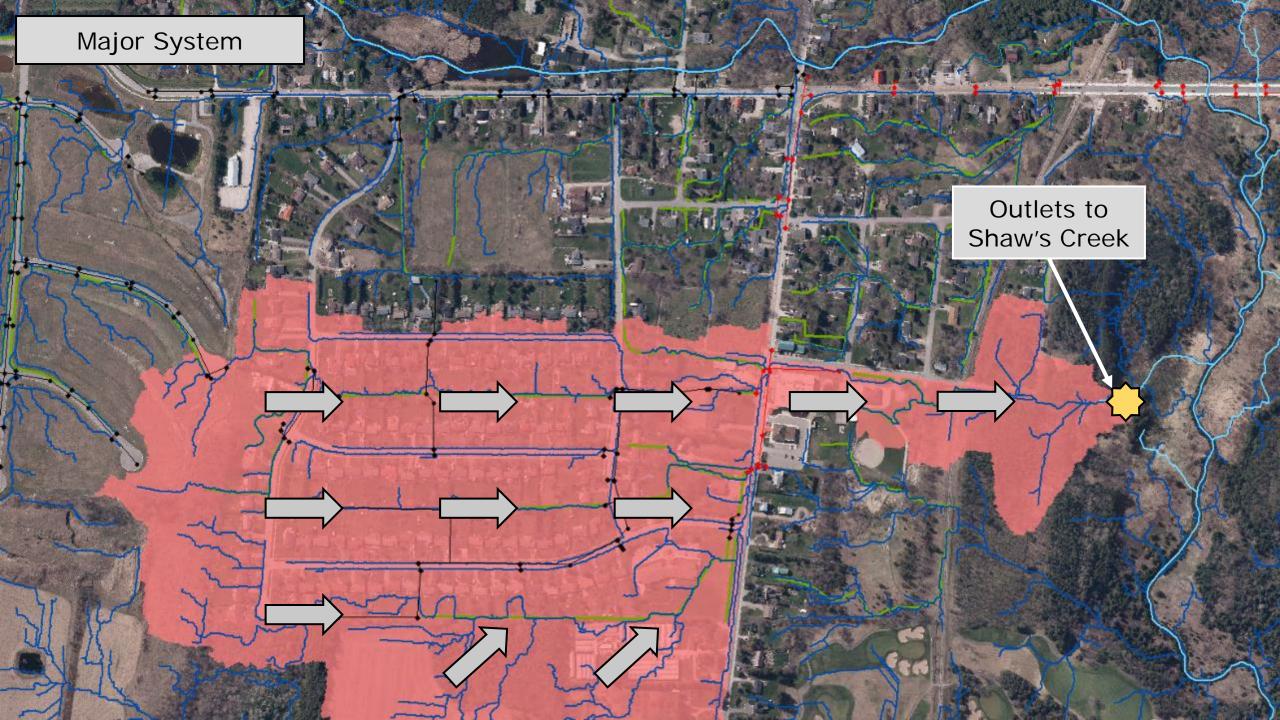


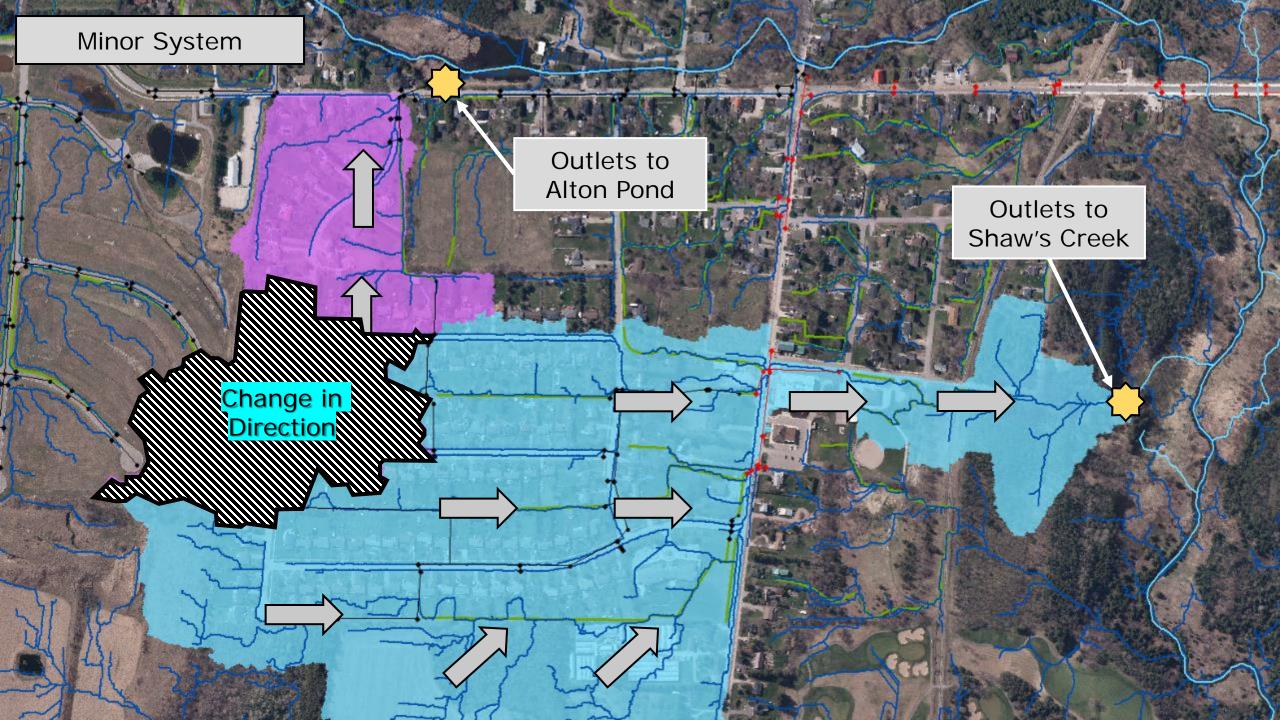








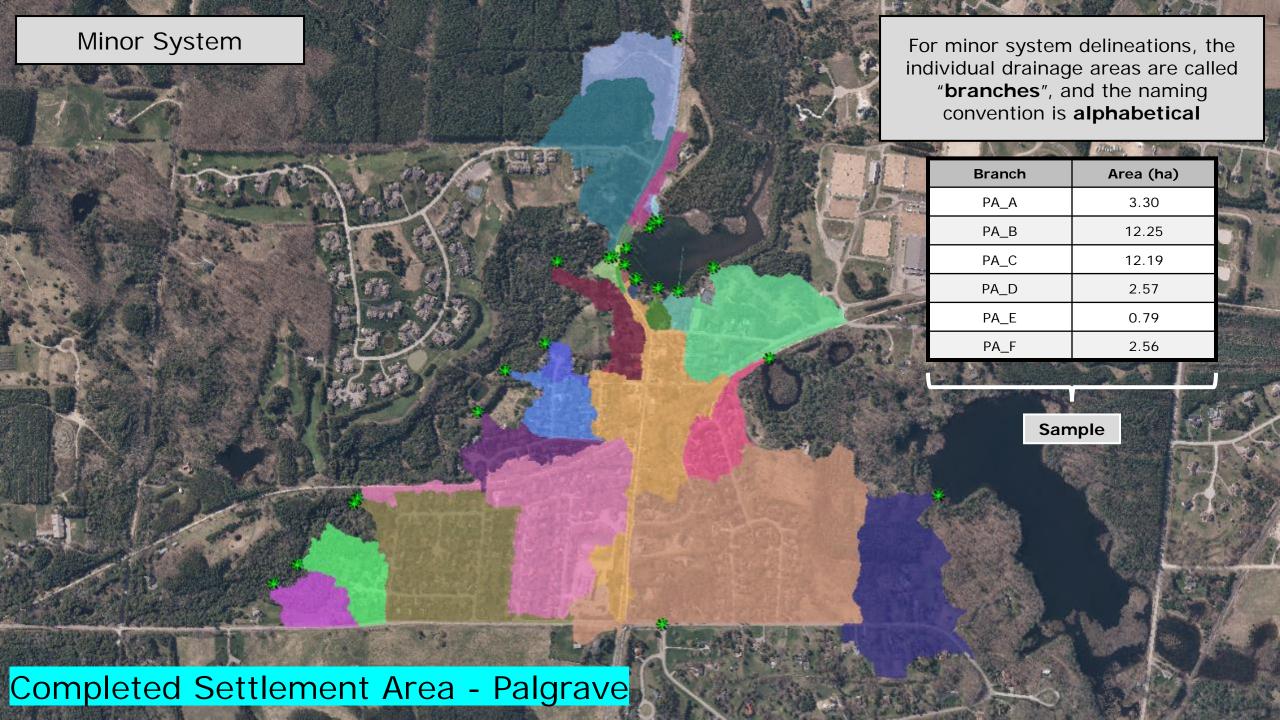


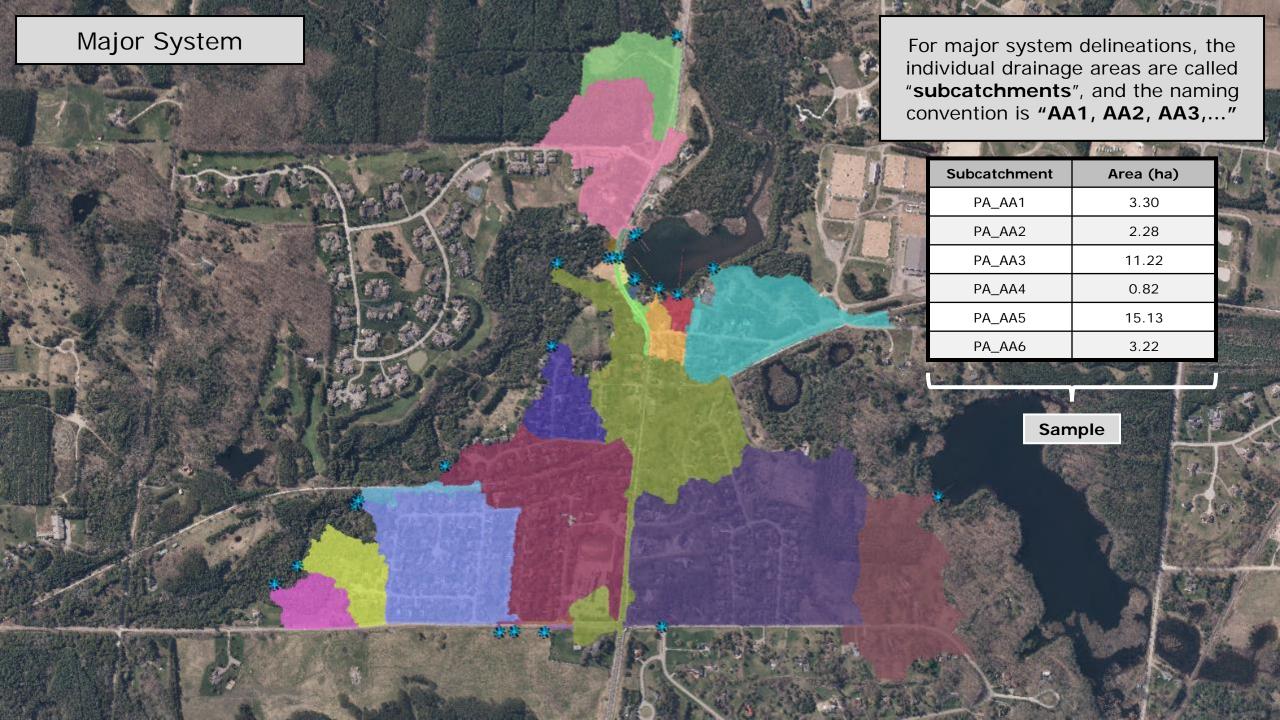




Results





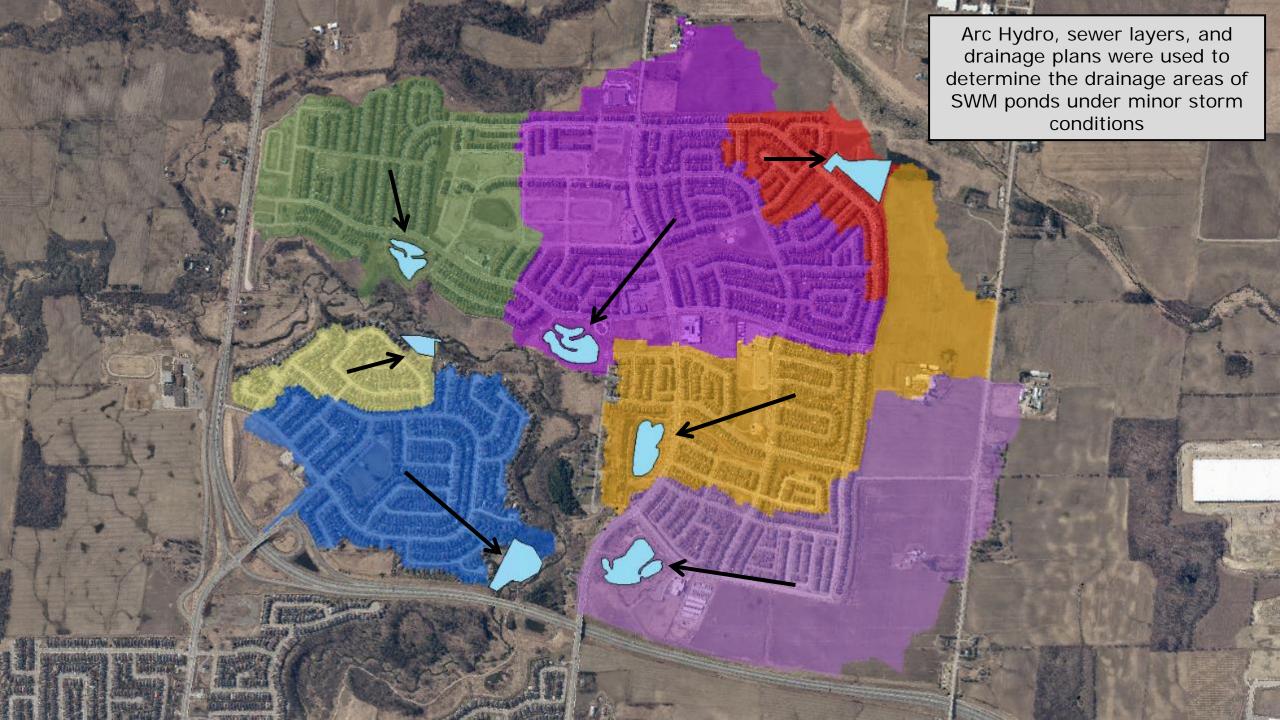


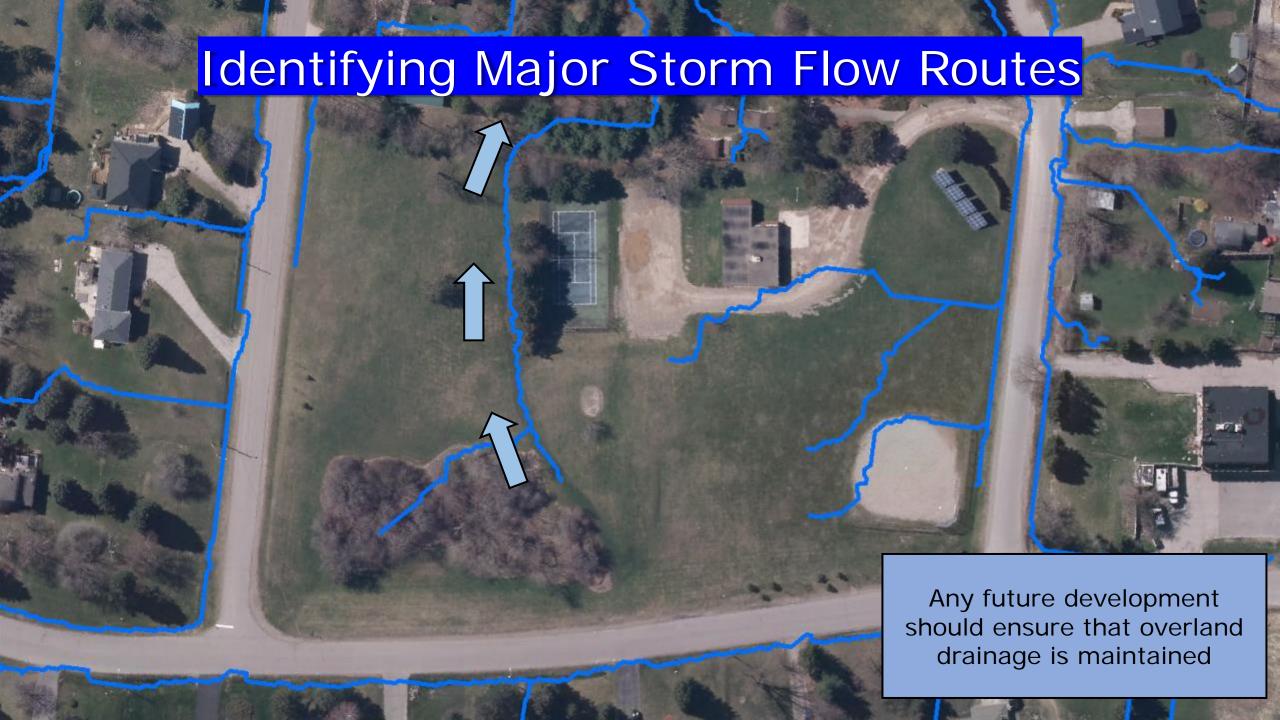
Other Potential Outcomes

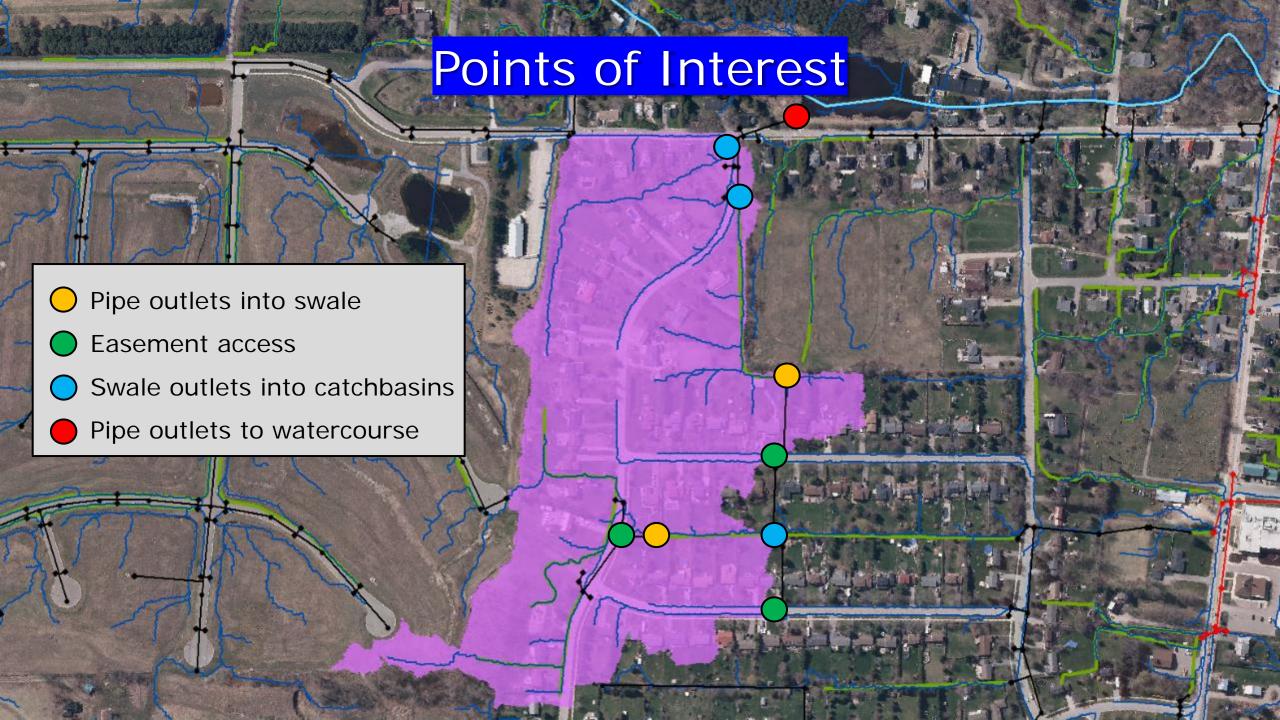
- SWM Master Plan Development
- Site Plan Applications and Building Permit Review
- Overland Flow Route Maintenance
- Investigating Drainage Complaints
- Points of Interest

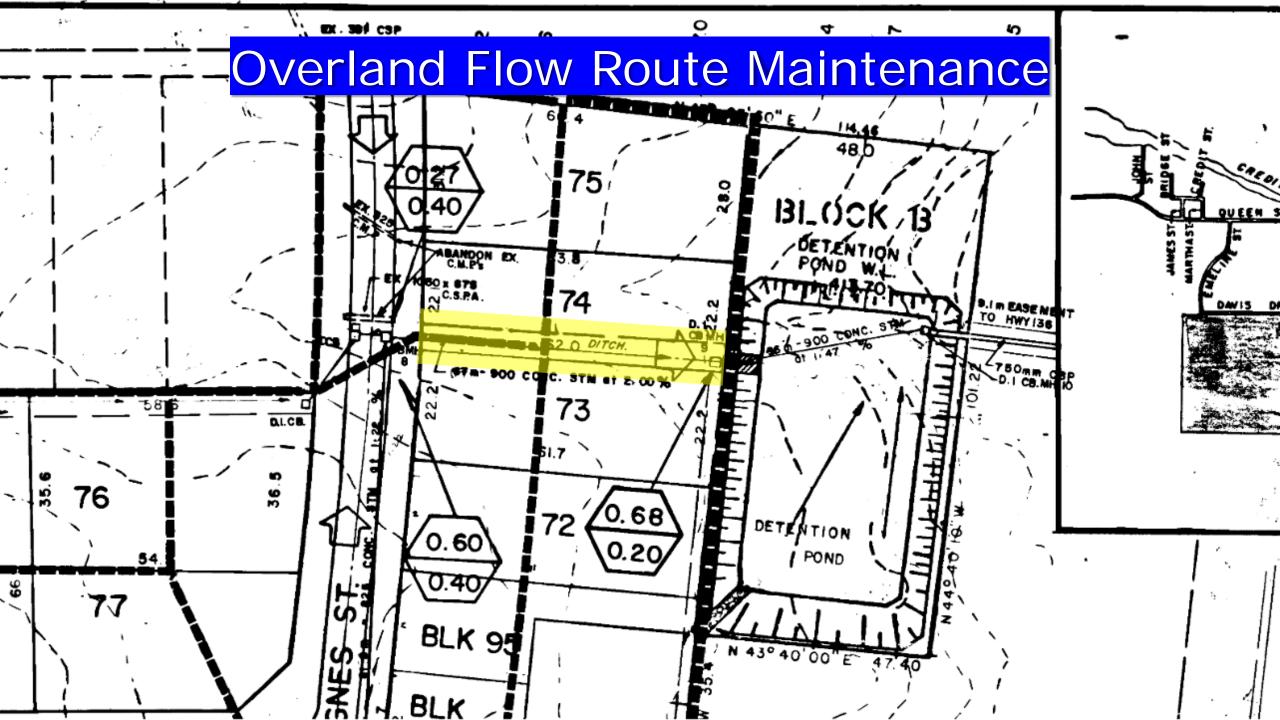


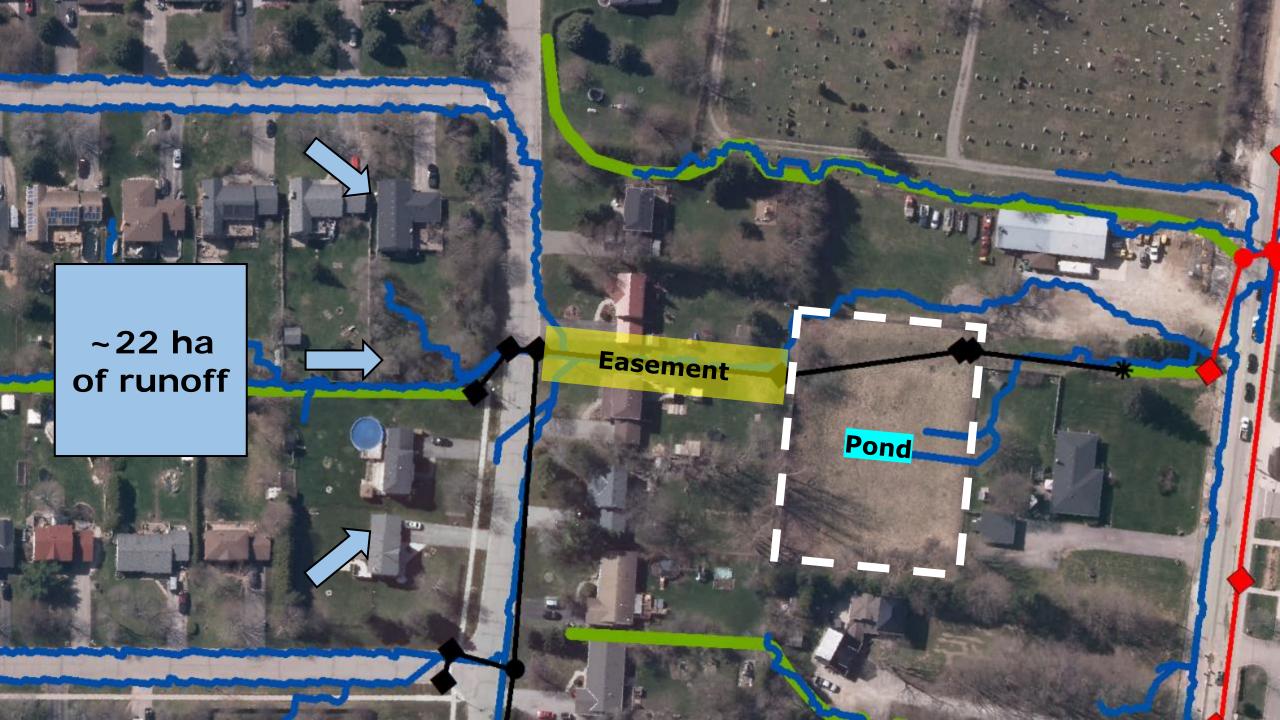














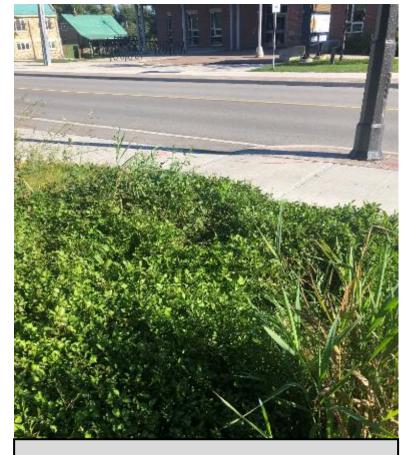
Significant Surface Inlet Inspections



Catchbasin covered with apples



Catchbasin covered with filter fabric

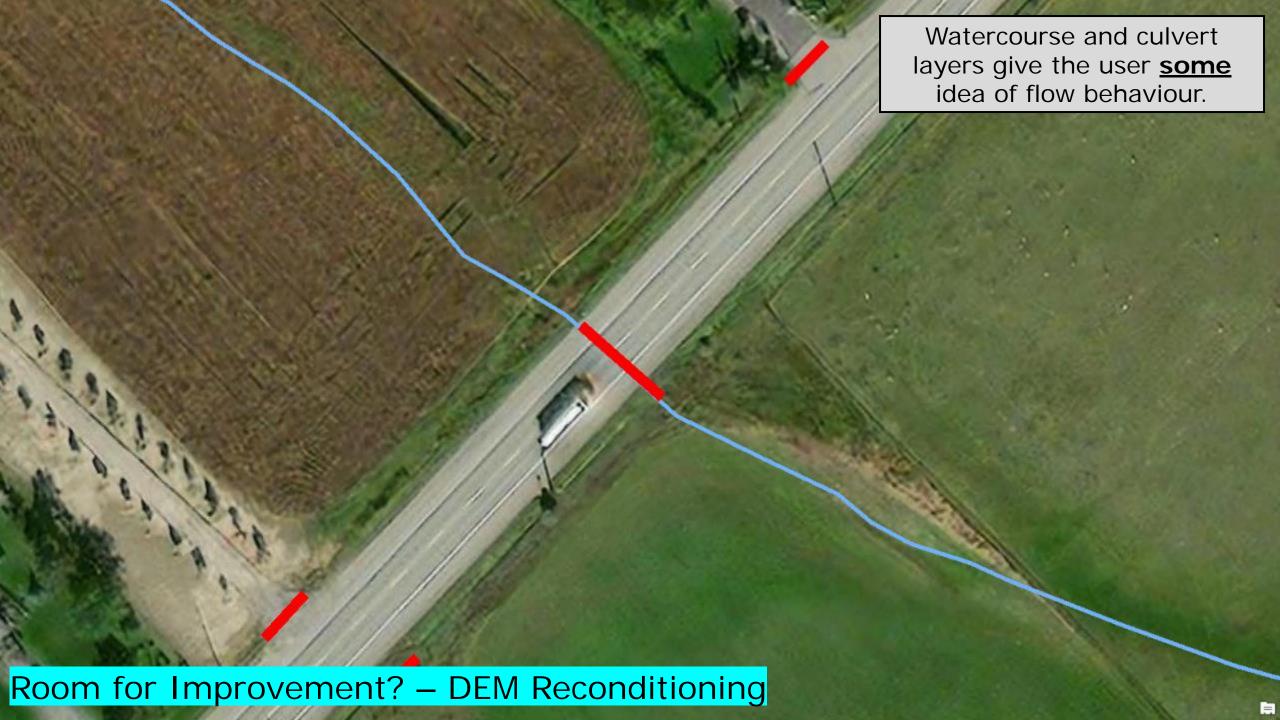


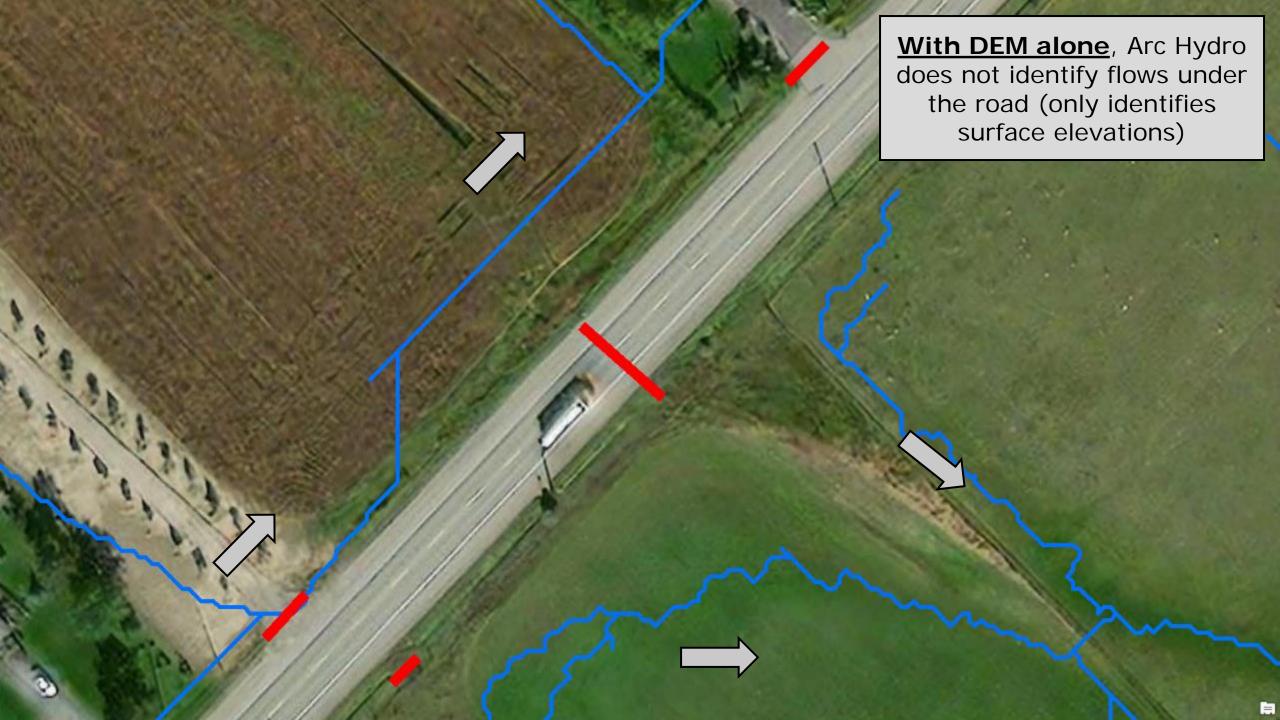
Catchbasin choked with watercress

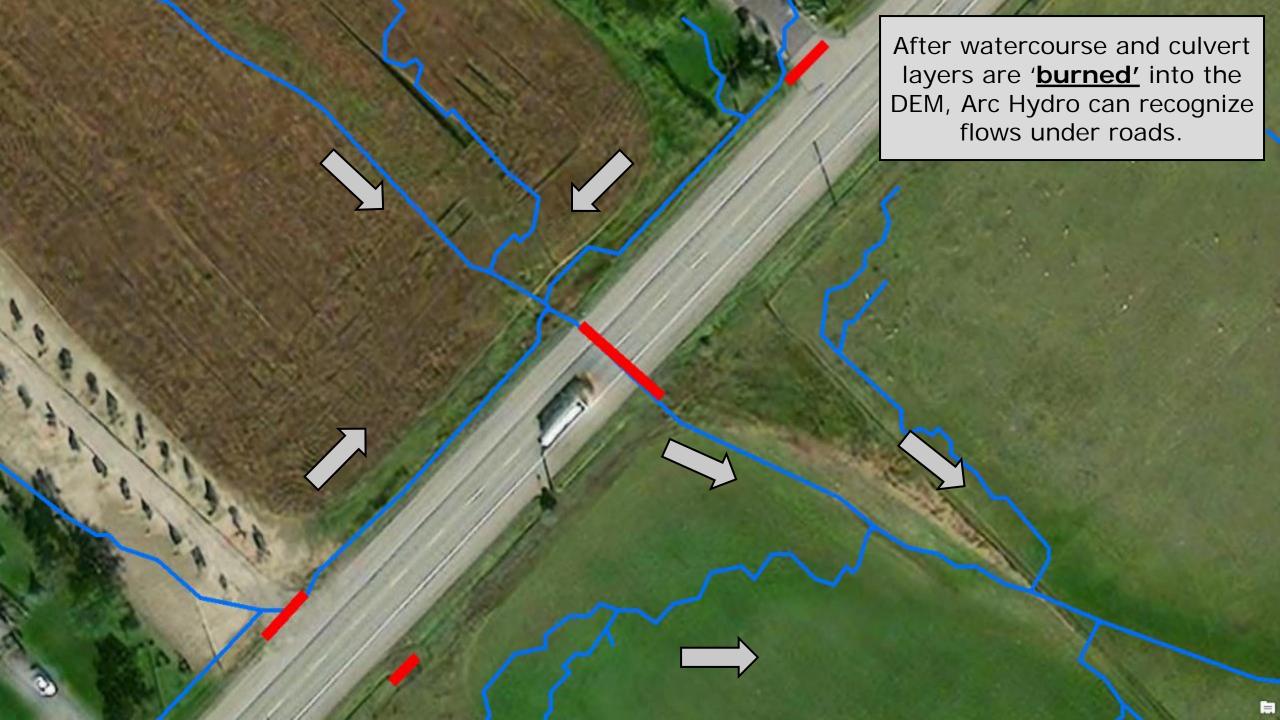


Other Considerations









Thank You

For more information:

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