

Regarding Proposed Outline Plan – Alpine Park LOC2017-0378; CPC2020-0786; Bylaw127D2020

Five Main Categories of Concerns:

1) Stormwater; 2) Watershed Boundaries; 3) Groundwater;

4) Cumulative Impacts; 5) Wetland taken as MR vs ER

Category of	Suggested Actions
Concern	

Surface Water / Stormwater

Outline Plan should incorporate recommendations made in the Master Drainage Plan & in the Urban Systems 3rd Party Review:

1) "Oversize" the stormwater infrastructure to accommodate flows from future development to the west / climate change impacts, & reduce the damaging "fire hose" & sustained higher flow effects of stormwater entering into Fish Creek

2) Use Low Impact Development (LID) strategies for managing stormwater onsite, especially with up to 70% of area allowed to be impervious, much higher than normal LID Rain Garden to manage stormwater

Types of LID permeable pavers to manage stormwater

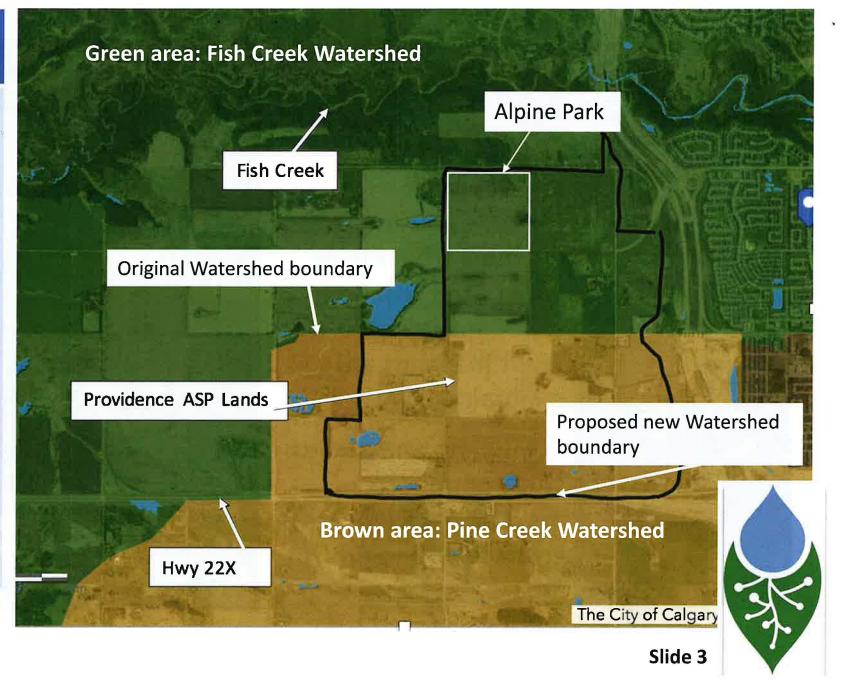


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Category of Suggested Action Concern

Re-DrawingDoWatershedreBoundariesar-- FishinCreek &CrPine Creek→

Detailed study required of anticipated impacts on Fish Creek & Pine Creek → diverting all surface water from the ASP lands into Fish Creek instead of approx. half to Pine Creek



Category of Concern	Suggested Action
Sub-surface Groundwater	- Ensure pre- development groundwater flows downhill from Alpine Park to the Fish Creek valley, including Tsuut'ina lands are maintained
	- Complete and publish study of impacts of proposed changes to groundwater regime in area

Spring from Groundwater on Tsuut'ina lands, downhill from Alpine Park, flowing to Fish Creek valley

Fish Creek valley

146 Ave SW

Alpine Park site

Google



Category of Concern	Suggested Action	
Cumulative Effects	Clearer understanding required of cumulative impacts from:	
	 stripping off surface water & wetlands from Alpine Park & other Providence ASP parcels, 	
	 no replenishment of groundwater, especially with up to 70% impervious surfaces allowed within Area Structure Plan (higher than normal) 	Dried out wetland

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Category of Concern	Suggested Action	2012 2019 2019
Class III wetland re- designation as Municipal Reserve (MR) rather than Environmental Reserve (ER)	 The Outline Plan for Alpine Park should claim the higher value Class III wetland area as ER lands, rather than allow it to be counted as MR (future school & playfields) Providence ASP stated this Tilled Class 3 Wetland was "considered rare and unique locally and regionallyhigh level function with water quality and habitat for wildlife" and recommended study to understand function & viability 	140 Line

6 Ave SW Class 3 wetland scheduled to become the school & playfields, which is clearly wet even in January

Alpine Park site



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