APPLICATION to PARTICIPATE in a PRE-HEARING CONFERENCE 02 DECEMBER 2020

Laura Friend Manager, Board Reviews
NRCB Application #1701 SR1 Off-Stream Project

This is an outline of my submittal of **2** salient issues which are germane to demonstrating: "adequate information to determine whether the SR1 Project is in the public interest, the NRCB Panel will determine the matters that would benefit from further examination at the hearing".

1. **PROPOSITION:** The Health of Springbank Redwood Meadows and Bragg Creek are at risk with SR1

2. **THESIS of Environmental Natural Resources:** which are ekistically tantamount to maintaining enrichment with rural natural landscaping of Alberta's responsibility to conserve co-existence with human developability. That's the definition of ekistics.

- The SR1 Project Description Application 1st page stated that the off-stream project will occupy a natural wetlands which filters any contamination into the Elbow River Glenmore Reservoir to treat the Calgary water supply.
- The total working maximum volume of the SR1 is 70,000,000m³ which releases at **160 m³/s** which is less than the 100,000,000m³ 2013 maximum flood **releasing 1240m³/s** as stated by STANTEC Consulting through the Provincial Flood Mitigation Panel in August of 2013. Therefore the next similar flood event could yet flood in Calgary. The Glenmore Reservoir 9,000,000m³ will perform as additional reduction as a safety %. However the Calgary floodway starts flooding at 120m³/s. Therefore the built-in deficiencies are what the NRCB is considering accepting or disapproving within this jurisdictional matter of Public Interest such as continual flooding if the Project is approved. I submit that this is in the Public Interest for the Provincial NRSB to be held accountable.
- The SR1 Project Does not stand alone within the NRCB Jurisdiction. Its location is an equal partner with its design location and its Diversion Channel 50% subdivision of 1240 to 620m³/s which is 500m³/s into the Sandy Beach Glenmore flow over the 120m³/s floodway.
- The companion project to remove the 2013 flood plain from Bragg Creek to the HW8 into a Diversion Channel now increases the weight of a 100,000,000m³ volume and 1240m³/s vector force speed into a narrower Bermed/Dammed channel will increase to ???, beyond the Diversion Channel into Glenmore Reservoir.
- It therefore imposes weight upon the Alluvial Aquifer of Bragg Creek and Redwood Meadows which will amplify hydrostatic subsurface groundwater pressure that will amplify the surcharging of their existing wells, cisterns, septic tanks, distribution fields, sanitary sewerage and treatment plant. Therefore the rural natural environment of those communities will be disenfranchised. Therefore an existing health risk will be amplified, not eliminated withi Bragg Creek, Redwood Meadows and the T'suu T'Ina Golf Course. .

Respectfully submitted

Charles Hansen - **-EKISTICAL URBAN ARCHITECT PLANNER**
B ARCH – MAJOR THESES URBAN DESIGN INFRASTRUCTURAL PLANNING
HANSEN REGIONAL COMPREHENSIVE PLANNING CONSULTING
STRATEGIC EKISTICAL CONCEPT EVALUATION----------DYMAXION DEVELOPABILITYURBAN DESIGN
Calgary, Alberta, Canada-----403 – 592- 0926 -----*scandinadian@shaw.ca*