Outline of Proposal to Sudden Valley C.A. for Improved Cellular Service

Premise: Residents want better cellular service, but do NOT want to see any cell towers!

- **Answer: Install antennae on tall buildings instead (tall enough for coverage area)**
- **Savings: Cellular firms do not have to build structure, just put in their equipment**
- **Caveats: Are not used to sharing space with competitors, but have done so in DC for cellular service within the Federal Triangle Buildings (CSC was Integrator: Bob Andrew was P.M. for EPA Emergency Op'ns Center VideoConf. Upgrade)**

- **Business Plan: Develop dry, secure, high, large, level place for cellular antennae**
- **For SVCA: Suggested location in under the roof of the middle barn, in a new loft (same concept being pursued in Birch Bay in yet-to-be-built multi-story building, and presented to GSA for their consideration at Peace Arch crossing expansion).**
- **Game Plan: Initially approach TWO cellular firms with opportunity to take part, to keep negotiations simple: which one wants to be first? Establish $$$ values on monthly income from each firm: saves them a tower, power supply, back-up gen.**

Up-front Capital vs. Ongoing Income from Cellular Firms

Bob Andrew would meet with Cellular Firms at SVCA to arrange for price proposals, then bring a budget to the SVCA Board for investment vs. reward win-win scenarios.

SVCA to pre-invest in common infrastructure for use by all voice/data/video firms

- **Build new loft floor, not necessarily full width, but under the center of the roof.**
- **Install lights under loft floor to light the storage area, so still usable by theatre.**

- **Secure, chain link fenced-off, areas in loft for each cellular provider's equipment:**

Each voice/data/video firm would define its square footage requirements in loft area. Loft access ONLY by common locked stairwell with locked-chain-link gates for each (SVCA Security and Maintenance would have keys to all, including electrical equip: only SVCA Security and each firm would have the key to their own fenced-off area)

- **Most important, provide "conditioned" electrical power, with generator backup SVCA has natural gas at the barn, so use that with generator exhaust to outside**

Each fenced area would have conditioned power plus light provided to it by SVCA. Each firm would install sub-roof equipment on the loft floor, and (only if need be) do a roof penetration at the crown ridge for antenna: typically an 18" high array.

This technical approach is from two engineers: recently re-located Bob Andrew as Project Integrator & Washington-licensed P.E. Celt Schira on Electrical/Telecoms.

As mentioned above, Bob has worked with CSC engineers on a similar project in DC , Celt is currently doing electrical dev. in Kendall Valley, has a Telecoms background.

We would work with SVCA's existing structural engineer now doing barn roof work