Alternative Analysis

The purpose of this document is to summarize each alternative including a brief description of its benefits and drawbacks.

Common Elements
Both alternatives have the following elements in common:
- Centrally located community facilities.
- Evacuation center location.
- Fish camp and berry patches at the community identified locations.
- Recreation area located near the berry patches.
- Airport Alternative #1 and 1A.
- Road to gravel source crosses the Runway Protection Zone of Airport Alternative #1A.
- Location of barge landing ramp and associated road.
- Well and well protection area.
- Power plant/tank farm building located near the barge landing to make it easier to off-load fuel.
- Power plant/tank farm building located near the washeteria/water treatment plant building.
- School and teacher housing located at edge of community center and residential area.
- Landfill, sewage lagoon, recycling center and incinerator located east of the community.
  Additional study of this site is recommended to determine the flooding potential.
- Residential lots range in size from 0.3 acres to 0.65 acres.
- Road rights-of-way of 40 feet and trail rights-of-way of 20 feet.
- Located on the north side of the ridge to allow views of Baird Inlet.

Alternative 1 – Terraces
The benefits of this alternative are:
- Each row of housing is intended to be at a different elevation providing privacy and better views (see image at right).
- Roads follow contour lines making them easier to travel on and to construct. Trails are located in the residential areas to provide additional connectivity.
- Easy to add additional housing. There are 77 lots which can be expanded to 212.
- Lots are oriented toward Baird Inlet providing a better view of the water.
- Lots are rectangular in shape and are similar in size.
- Blocks are rectangular in shape and could be configured differently (see following drawing). This would slightly reduce the number of lots available.
Some drawbacks to this alternative include:
- Lots face main east-west roads which may have higher traffic volumes.
- A northern facing slope which tends to be shadier than a southern facing slope.

**Alternative 2 - Waves**
The benefits of this alternative include:
- Circular community center
- Better road connectivity to community center.
- East-west roads follow contour lines making them easier to travel on and to construct. Trails are located in the residential areas to provide additional connectivity.
- Curved cross-streets allow residential to be slightly off-set providing more privacy.
- Curved cross-streets are less steep making it easier for pedestrians. Depending on local terrain, the curve can be increased.
- Residential lots face cross streets which are likely to have lower traffic volumes.
- Easy to add additional housing. There are 89 lots which can be expanded to 171.
- Wind farm is located further away from residential areas.

Some drawbacks to this alternative include:
- Lots are more irregularly shaped and have more variation in size.
- Lots don’t face Baird Inlet
- A northern facing slope which tends to be shadier than a southern facing slope.