

Goals

- Reshape stockpile into positive community & company resource
- Explore use of design devices to improve appearance
- Explore on site moisture retention techniques



- Stockpile low on horizon line
- Linear character still prominent



- Linear ridgeline exacerbated by background shape and elevation, elevated highway and flat fields in foreground...



...regardless of time of day or season



- Softening and varying ridgeline may refocus the view from this location

Opportunities & Constraints

- Flat terrain
- Short and long views
- ‘Momentary’ and ‘permanent’ landscape settings
- Equipment size
- Plant availability
- Soil composition
- Maintenance capabilities

Key Visual Elements

- *Landform silhouette* - most visible most of the time - against sky and manufactured backdrops
- *Horizontal surface pattern* - benches
- *Flatness of planes* - frontal and longitudinal surfaces
- High contrast with natural and cultural landscape

Design Devices

- Undulate ridgeline to create topographic variation
- Soften or break manufactured terraces
- Decrease planarity of slope(s)
- Add texture and depth to surfaces
- Vary planting pattern(s)

Bold & Simple Concepts

- 'The Birch Wedge'
- 'Lobes and Valleys'
- 'The Bands'
- 'The Seasons'
- 'Pines Against the Horizon'



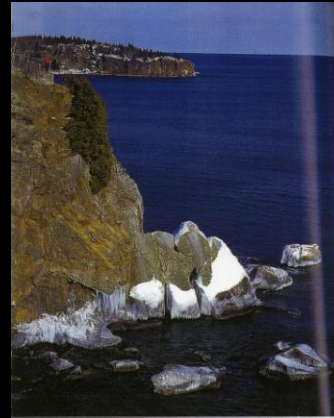


Landscape Templates

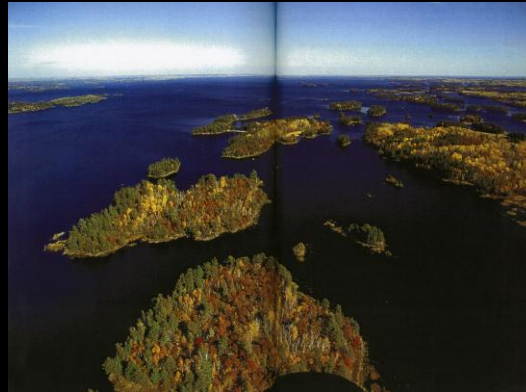
- Nature the Designer
- Measure of physical features based on quantified dimensions
- Prototypical landscape features & patterns to mimic local character
 - Location
 - Spatial arrangement
 - General form
 - Profile, surface geometry & measurement
 - Applicable to mine perimeter
 - Easy to implement

Regional Models

- Lake Superior

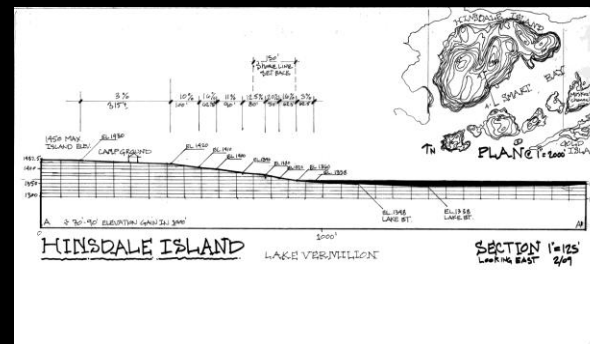
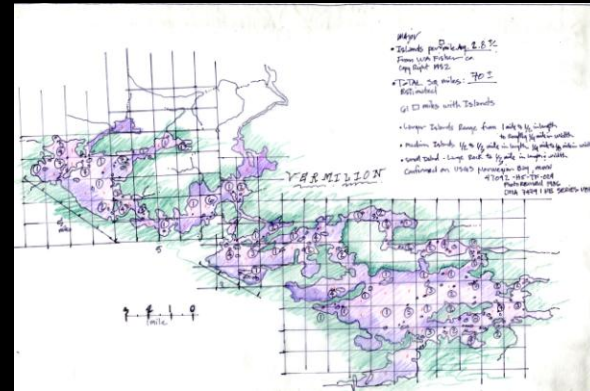


- Lake Vermilion

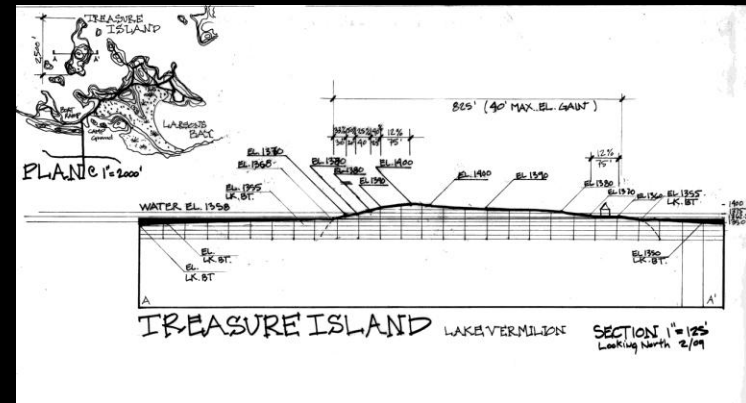
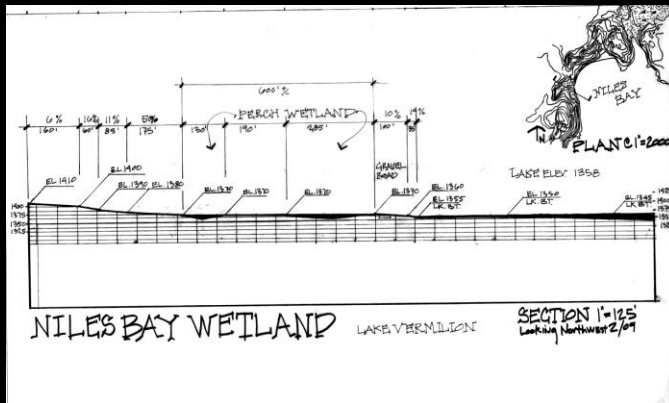
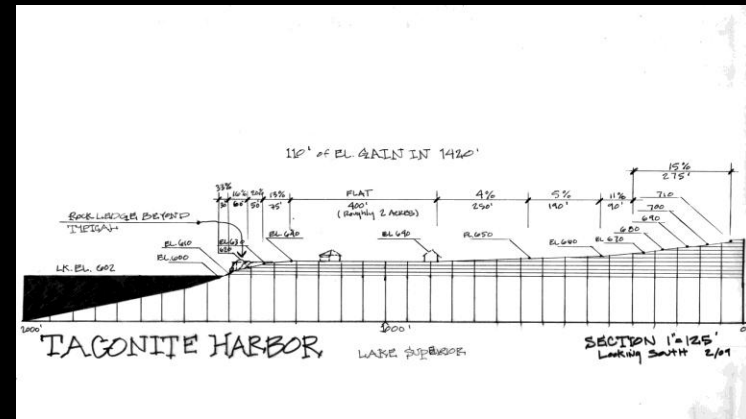
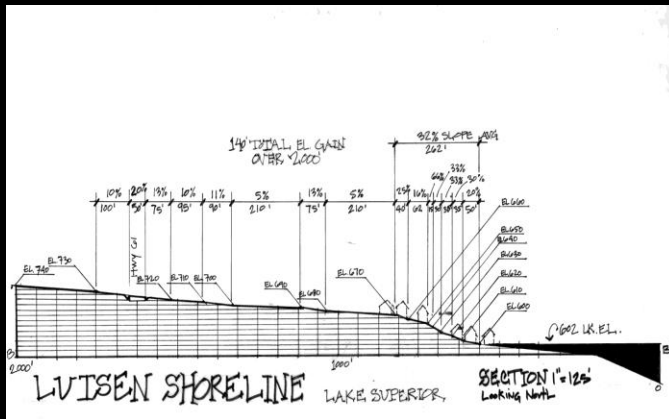


Landscape Templates

- Plans, sections & profiles of
 - Uplands & ridgelines
 - Islands
 - Bays, beaches & points
 - Wetlands
 - Lake edges - rocky & sandy



Landscape Templates



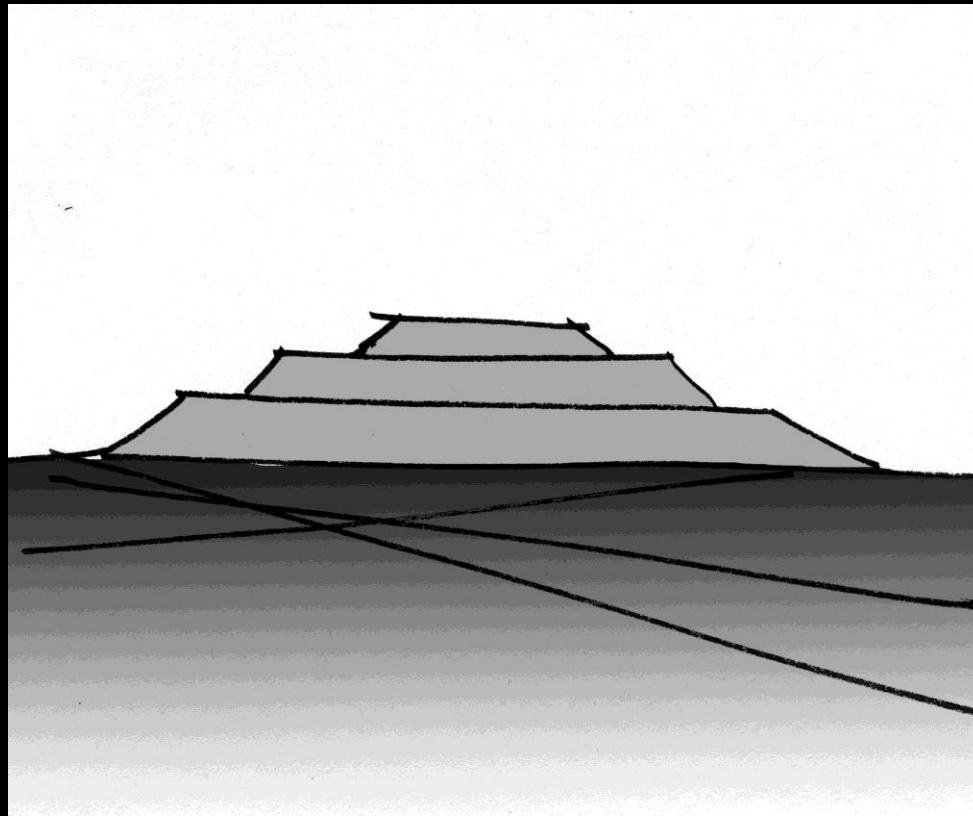
Application Criteria

- Scale
- Continuity
- Location
 - Narrow the gap between natural & disturbed landscape
 - North perimeters
 - Core habitat
 - Large reserves
 - Diverse settings

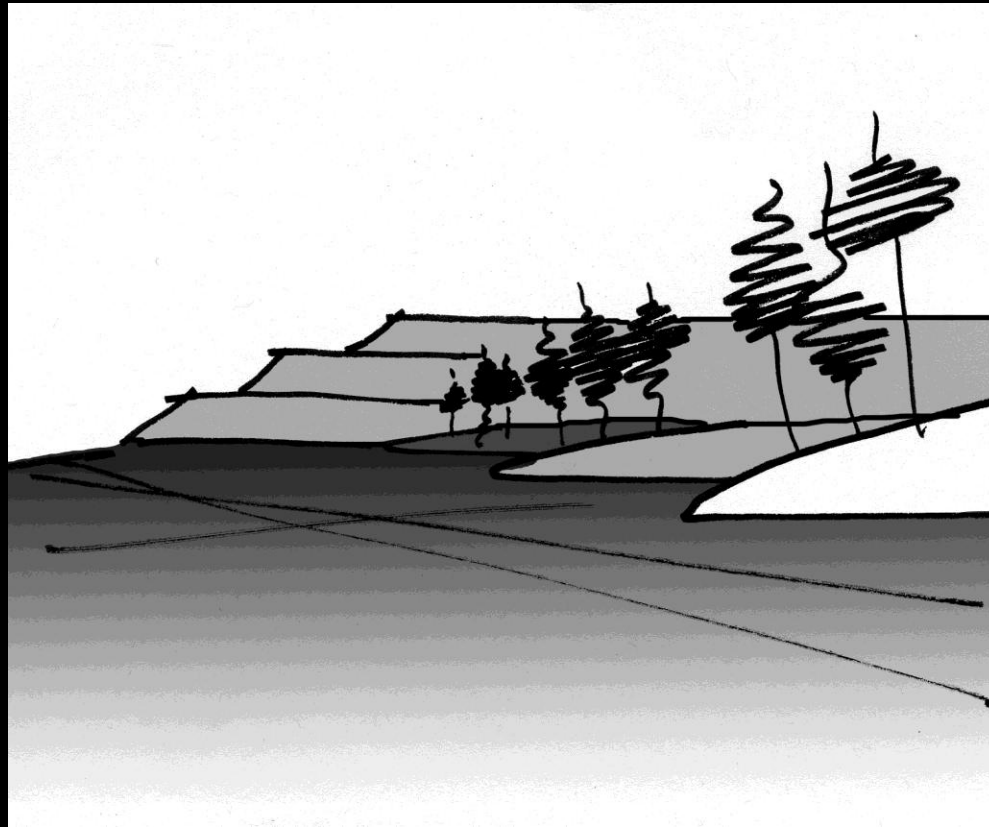
Design Devices

- **Framing:** Use of line to manipulate a spatial edge (mystery)
- **Focal point:** Use of mass to organize and enclose (order)
- **Repetition:** Use of form to repeat in a pattern distribution (complexity)

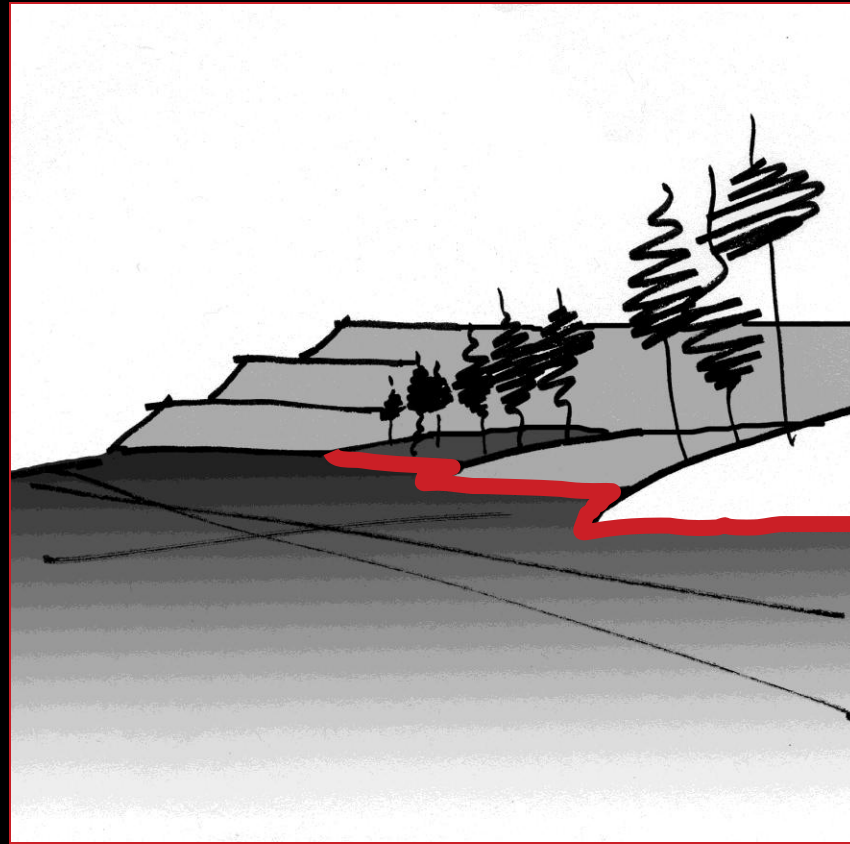
Typical



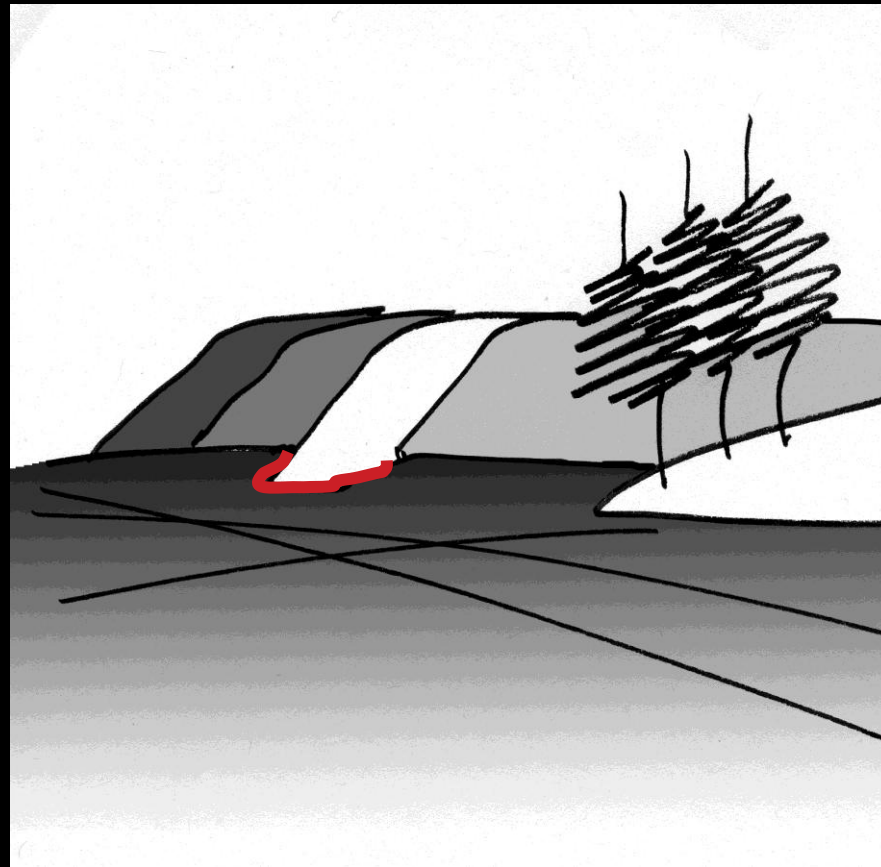
Framing



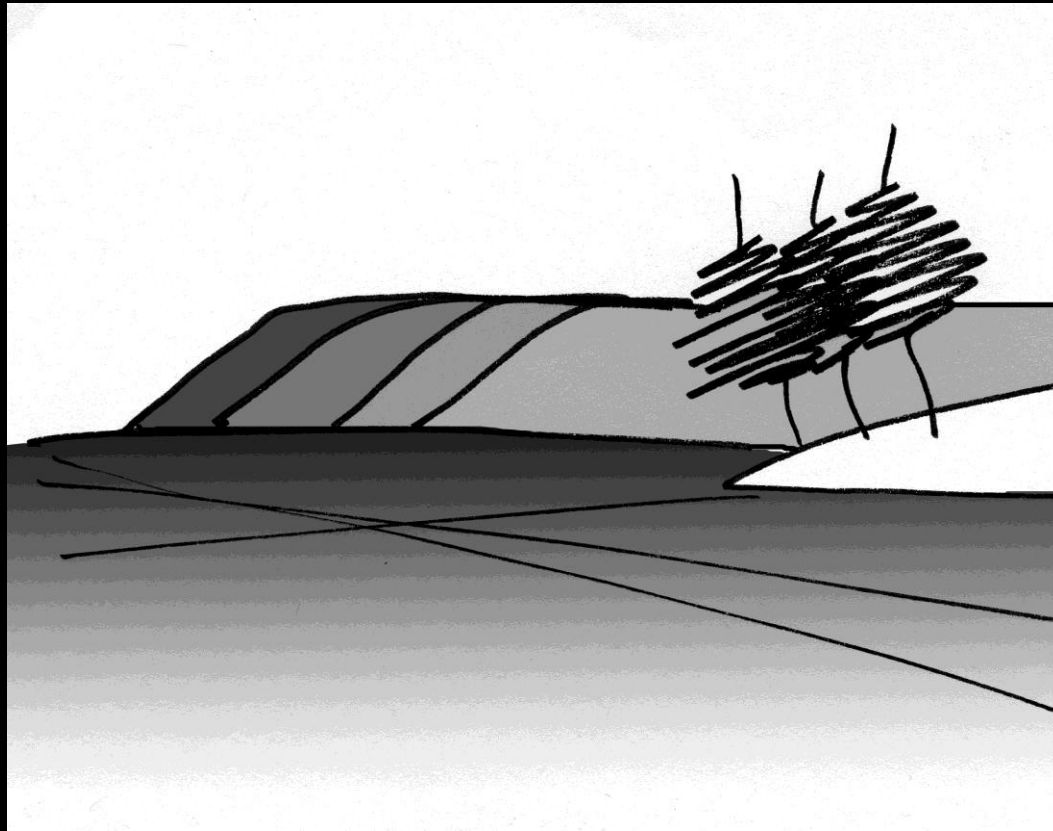
Framing



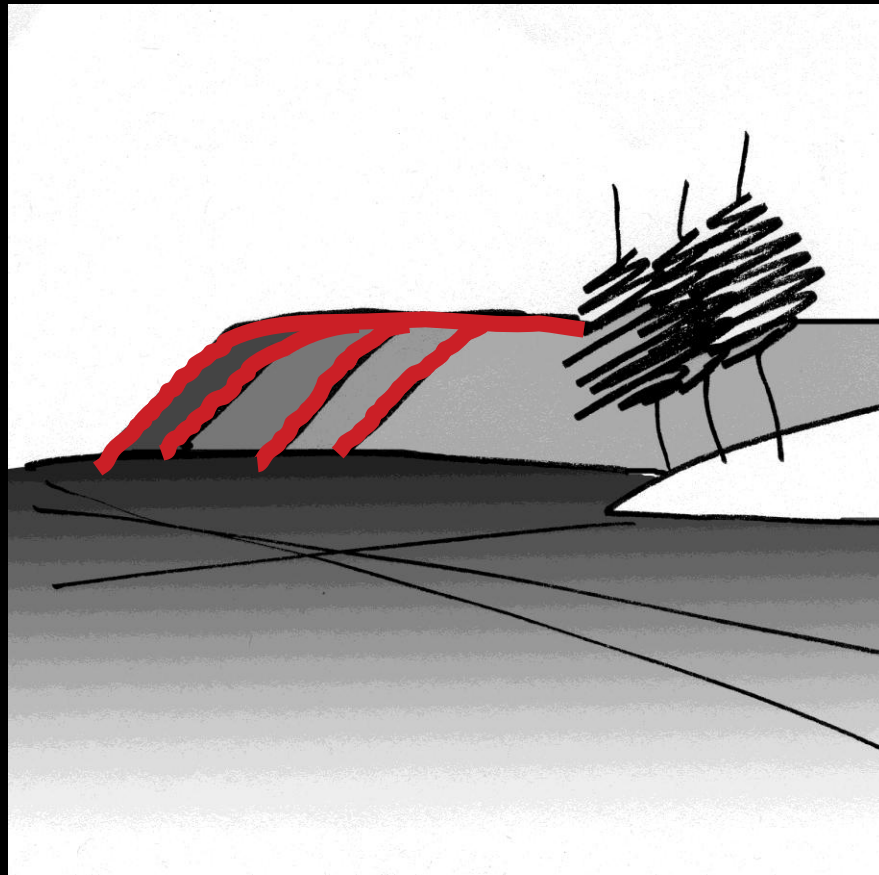
Focal Point



Repetition



Repetition



In other words, if you can't

- Reknit the landscape, then...
- Reshape it artfully. But always try to...
- Rebuild
 - Landscape character
 - Landscape experience
 - Landscape harmony