SITE CONDITIONS:
1. No excavation permitted.
2. Phragmites surrounds project site.
3. Heavy herbivory pressure (deer, beaver, etc.).
4. Shallow alkaline soils.
5. Lawn activity space adjacent to project site.

DESIGN GOALS:
1. Create gradual transition zones.
2. Create riparian zone while preserving event space.
3. Enhance shoreline accessibility for fish & wildlife.
4. Create emergent plant zone.
5. Re-use available materials found on-site to create site specific design solutions.
1. **SUBMERGED SILL:**
   Stone sill creates foundation for emergent vegetation bench. Switchback form facilitates fish and wildlife access into new habitat but remains out of sight from shoreline (approx. 1' below water level).

2. **SHORELINE OUTCROP:**
   Creates gradual transitional zones and access points while protecting shoreline from wind, waves, ice, and Phragmites colonization.

3. **RIPARIAN COVE:**
   The upland topography forms a protective cove which creates better growing conditions for emergent plants.

4. **SALVAGED WOODY DEBRIS:**
   Trees removed during deck expansion (by others) will be salvaged and utilized as shoreline protection/habitat features.

5. **ALVAR PLANTING DRIFT:**
   Re-purposed stone will be used to create unique planting areas and delineate project boundaries.

6. **COIR LOG DEFENSE SYSTEM:**
   Toe of slope will be constructed using coir logs to reduce threat of Phragmites colonization while new plantings establish.
COIR LOG REDUCES SHORELINE VULNERABILITY

DENSE PLUG PLANTINGS AROUND PHRAG ZONE

WILDFLOWER SEEDING AREA