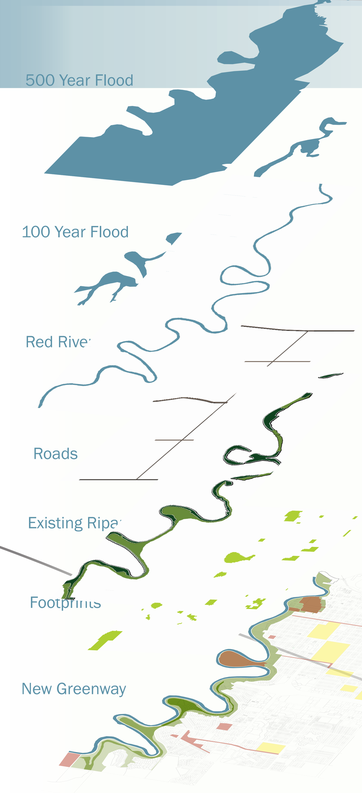
SEEDS TO GROW

A COMMUNITY LED GREENWAY

How can a Greenway educate a community through the natural occurrence of flooding?

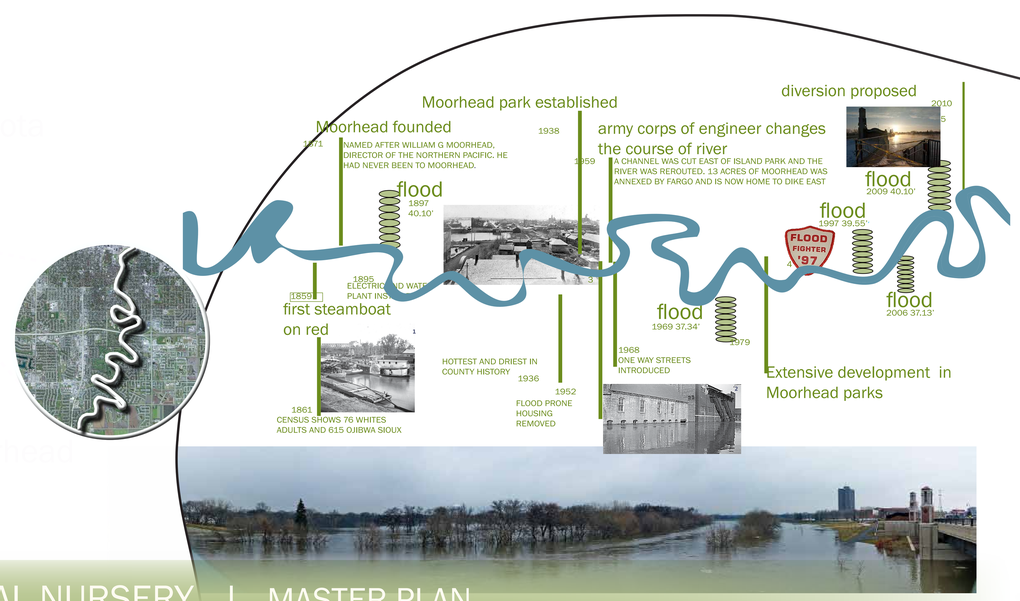
Ecological Corridor

Inventory



Patch :

Edge :



Riparian Flood Plain

Riparian Buffers

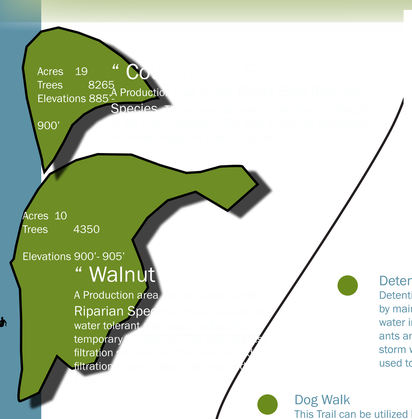
Strip of vegetation (trees, shrubs, grasses, etc.) that grows along the edges of a bank or a waterway.

Its major role is to Filter and Store sediment, nutrients, pesticides, and metals from upland surface and groundwater through infiltration, uptake, and transformation.

100 Year Flood

500 Year Flood

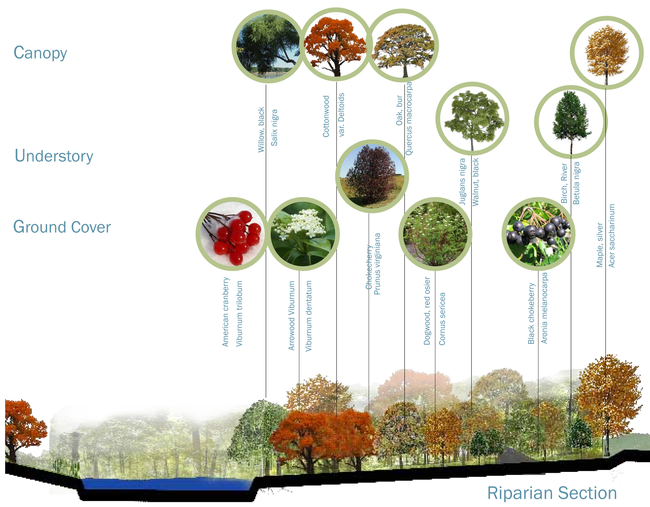
EDUCATIONAL NURSERY | MASTER PLAN



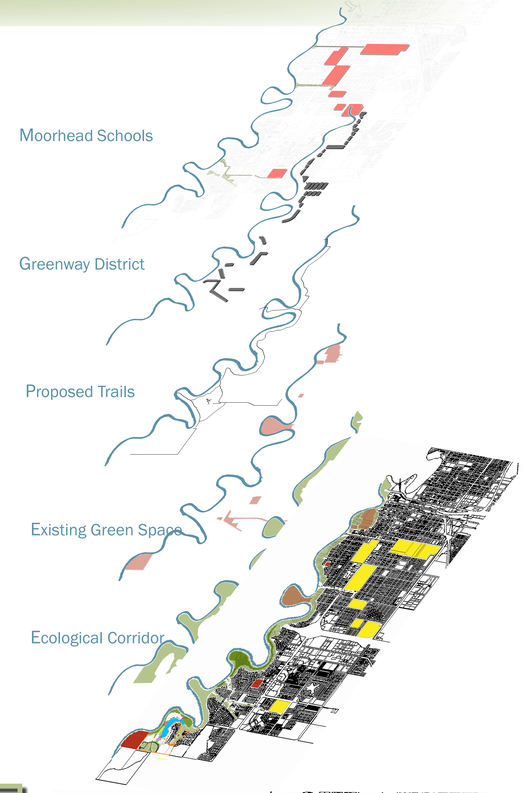
- Existing Riparian
  Trees In the existing Riparian area Need to preserved and strengthened.
- Grass Filter Strips
  Act as a cushion protecting sensitive ecosystem from anthropogenic land use. Control Erosion Limit pesticide, herbicide, and sediment runoff.
- Detention Pond
  Detention ponds manage storm water by maintaining a permanent pond of water in a basin that removes pollutants and only drains partial amounts storm water. Captured water would be used to irrigate the nursery.
- Dog Walk
  This Trail can be utilized by dog walkers, mountain bikers, joggers, and hikers.
- Shade Structures
  Metal works of art that look like Daises. These Structures provide shade a well as show different flood elevations on the stem.

ECOLOGICAL GREENWAY

Pedestrian conection to river from MSU and Concordia



Riparian Section



EDUCATIONAL NURSERY | DETAILS

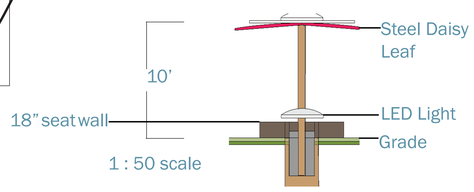
Elementary= Seed In Green House

Middle School= Trees in Nursery

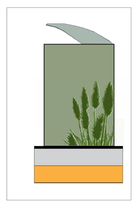
High School= Trees forming Ecological Corridor

Green Houses

Detention Basin Platform

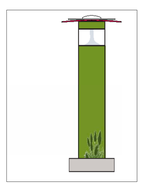


Shade Structure



Trash Receptacle

3/32 scale



Light Bollard

Nursery section

Pedestrian connection to the greenway links the two largest Universities in the city to the ecological corridor. 7th ave south in Moorhead will be decreased into a one way leading cars away from the river while allowing for a larger bike and pedestrian connection.

The linear form of this connection increases the habitat for wildlife which exists on the edge of an environment which differs from its interior. The walk alone will instill thoughtful experiences about nature at a critical age.

Utilizing green space, a trail to the river provides pedestrian access to the greenway. The use of massed riparian adapted vegetation provides a series of ecological stepping stones to the corridor.