

Fire Hall Arboretum Project *2020*



Greener Towns Grant

A Public Landscape Project

- Co-coordinated by the Nebraska Statewide Arboretum and Nebraska Forest Service and sponsored by the Nebraska Environmental Trust.



- This grant was one of 8 approved across the state



Program Rules

- **Establish a Green Team**
 - Shane Young, Anna Baum, Lexi Hingtgen, Julie Schaeffer, Leah Carson, Rich Gilbert, Desarae Porter, Loren Eaton, Sally Sawyer, and Terry Higgins
- **Partner with a landscape designer**
 - Chrissy Land (Western Nebraska Community Forestry Specialist)
- **Match funding request**
 - Match must be at least 50% of funding request. For our project that is \$10,000
 - Match must be both paid and donated goods and services



Program Rules

- Plant at least 50 plants for every \$1,000 (~ 1,000 plants)
 - Plan includes 52 trees, 546 Shrubs, 750+ perennials and native grasses
- Get done by deadline
 - Deadline is December 2020
- Take care of project for 10 years
 - Proper maintenance of both landscape and hardscape included in annual operating budget

Project Partners:

Upper Loup NRD
Thedford Rural Fire Department
Village of Thedford



Project Goals

- Education of youth and general public
 - Inform and show different types of trees, shrubs and plants, pruning, fertilizing, mulching, watering etc.
 - Teach and show plant varieties that perform the best under local conditions
 - Provide a living lab for students of range, horticulture, nature, and conservation studies, etc.



Project Goals


- Conservation of soil, water and energy
 - Arboretum will visually show the benefits of planting trees and shrubs as a conservation practice
 - Plantings will reduce runoff, aid in wind erosion and capture snow to help with water recharge
 - Hardwoods will aid in shading building in summer months helping with energy needs
 - Native shrubs and plant species will be a good habitat and food source for wildlife such as pollinators, birds, insects and small mammals
 - A water efficient drip line will be installed along with natural mulch materials to help with water conservation

Project Goals

- **Research**

- Project will assist in research to identify the species of plants that grow best in the Sand Hills
- Show the options that the public has for conservation vegetation in their own landscapes
- Knowing the top species for our area will take less work and resources to grow and will usually have fewer problems with insects, diseases and changing weather patterns



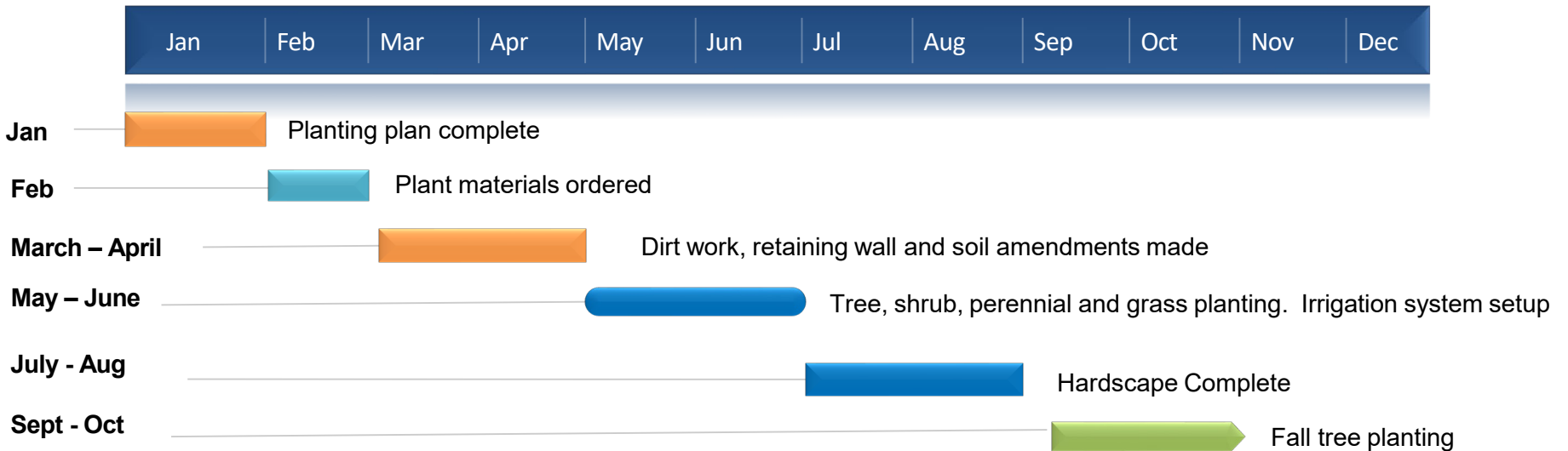


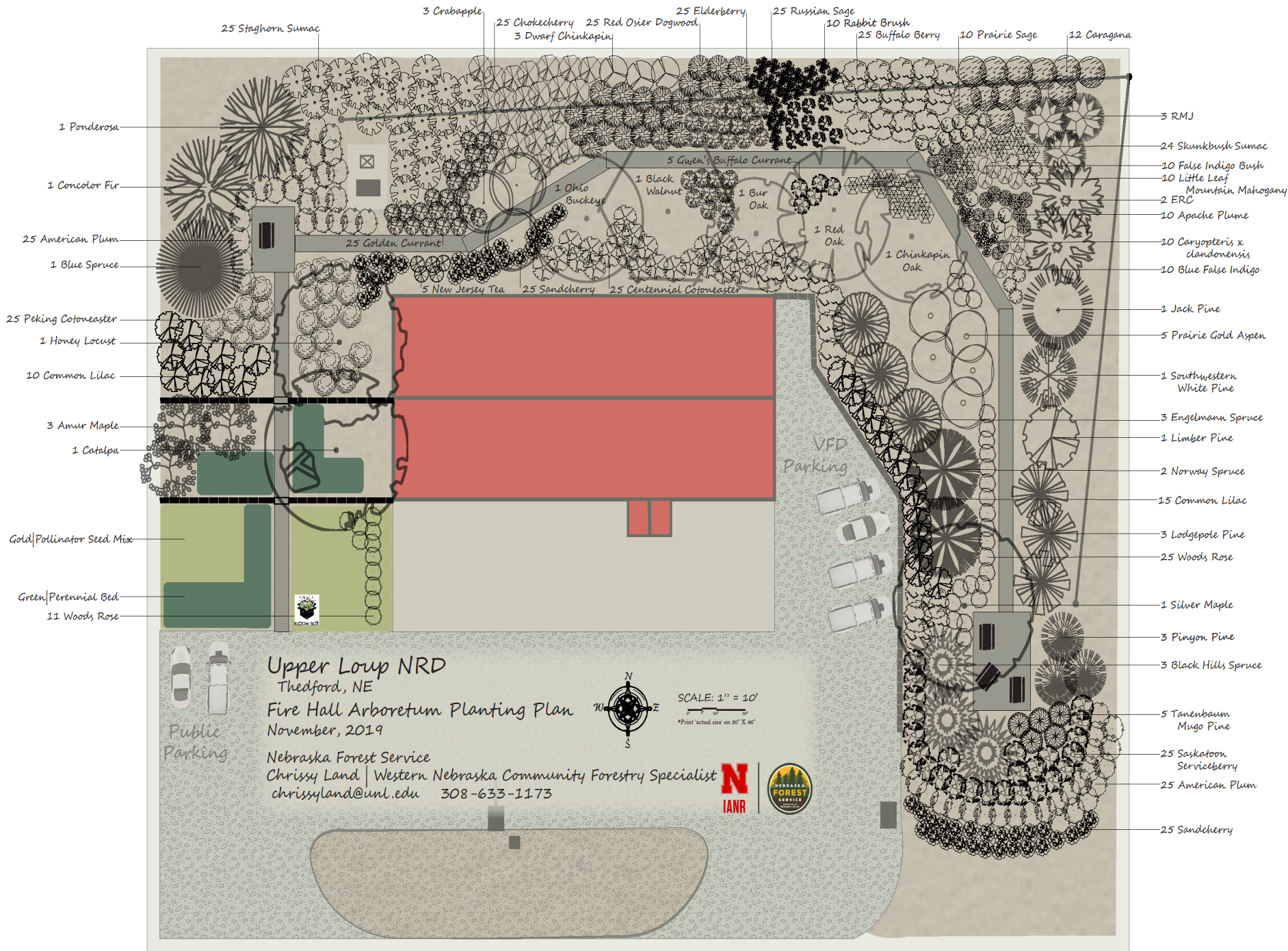
An additional benefit of this project is providing the community with an aesthetically pleasing place for people to visit and enjoy. It has been proven that “green space” is important for the physical, spiritual and emotional health of individuals.

Project Time Line

(Tentative)

2020





25 Staghorn Sumac 3 Crabapple 25 Chokecherry 25 Red Osier Dogwood 25 Elderberry 25 Russian Sage 10 Rabbit Brush 25 Buffalo Berry 10 Prairie Sage 12 Caragana

1 Ponderosa
1 Concolor Fir
25 American Plum
1 Blue Spruce
25 Peking Cotoneaster
1 Honey Locust
10 Common Lilac
3 Amur Maple
1 Catalpa
Gold|Pollinator Seed Mix
Green|Perennial Bed
11 Woods Rose

3 RMJ
24 Skunkbush Sumac
10 False Indigo Bush
10 Little Leaf Mountain Mahogany
2 ERC
10 Apache Plume
10 Caryopteris x clandonensis
10 Blue False Indigo
1 Jack Pine
5 Prairie Gold Aspen
1 Southwestern White Pine
3 Engelmann Spruce
1 Limber Pine
2 Norway Spruce
15 Common Lilac
3 Lodgepole Pine
25 Woods Rose
1 Silver Maple
3 Pinon Pine
3 Black Hills Spruce
5 Tanenbaum Mugo Pine
25 Saskatoon Serviceberry
25 American Plum
25 Sandcherry

Upper Loup NRD
Thedford, NE
Fire Hall Arboretum Planting Plan
November, 2019

Nebraska Forest Service
Chrissy Land | Western Nebraska Community Forestry Specialist
chrissyland@unl.edu 308-633-1173



SCALE: 1" = 10'
*Print actual size on 90" X 60"



Public Parking

VFD Parking

Some of trees and shrubs to be planted include:



Common Lilac



Cotoneaster



American Plum



Sumac



Chokeberry



Elderberry

Some of trees and shrubs to be planted include:



Red Osier Dogwood



Buffalo Berry



Sand Cherry



Caragana
Elderberry



Saskatoon Serviceberry



Currant

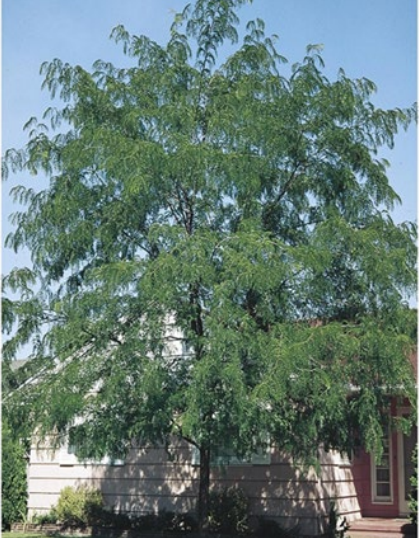
Some trees and shrubs to be planted include:



Catalpa



Amur Maple



Honey Locust



Crabapple



Some the trees to be planted include:



Blue Spruce



Concolor Fir



Ponderosa Pine



Southwestern White
Pine

Some the trees to be planted include:



Prairie Gold Aspen



Bur Oak



Caddo
Maple



Dwarf
Chinkapen
Oak



Engelmann
Spruce

Some perennials to be planted include:



Lead Plant



Apache Plume



Woods Rose



Blue False Indigo



Caryopteris



Rabbit Brush



Russian Sage



New Jersey Tea



Your Involvement

- **Donate Time**

- Participate in planting days
- Volunteer time for miscellaneous work days (mulch and hardscape installation etc.)

- **Donate Monies**

- Help to purchase:
 - Tools (rakes, shovels, trowels, wheelbarrows, etc.)
 - Compost, topsoil and other amendments
 - Bird houses, bat houses, pollinator houses, etc.
 - Educational signage
 - Hardscape materials (retaining wall blocks, cement, safety railing)
 - Outdoor furniture (benches, picnic tables)

Your Involvement

- **Donate equipment or supplies**
 - Tools (rakes, shovels, trowels, wheelbarrows, etc.)
 - Bird houses, bat houses, pollinator houses, etc.
 - Outdoor furniture (benches, picnic tables)
- **Purchase plants or outdoor seating in honor of or in memory of someone**
 - Pay the NRD – NRD purchases item and attaches an engraved in memory of or donated by sign

