

**SAUK COUNTY FARM EDUCATION HUB
FINAL MASTER PLAN**

10-09-2023



GOAL:

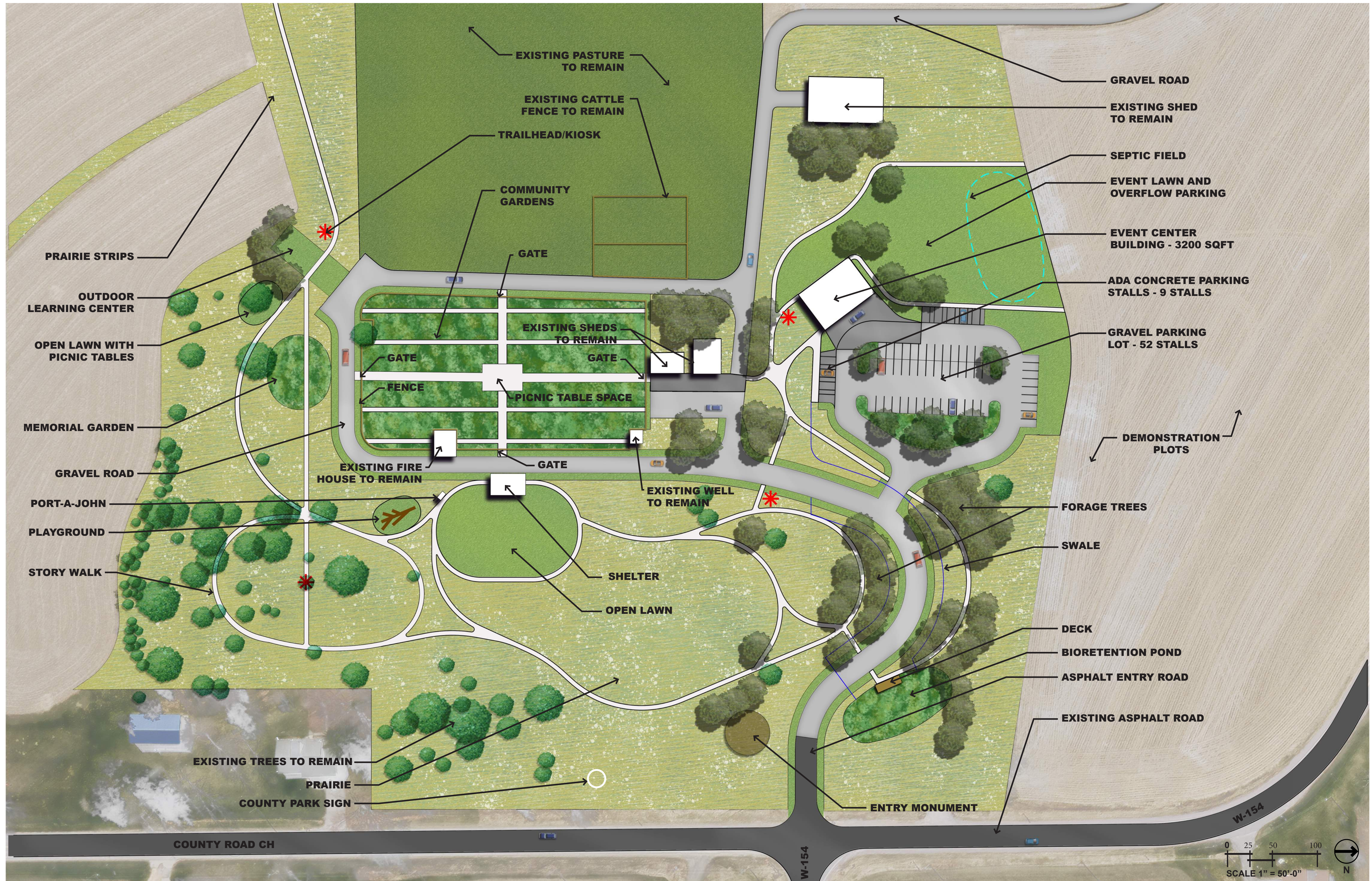
To ensure continued management of the site's agricultural and natural resources, preservation of its historic features, and the transformation of the space into an educational resource for the communities of Sauk County - a farm for everyone.

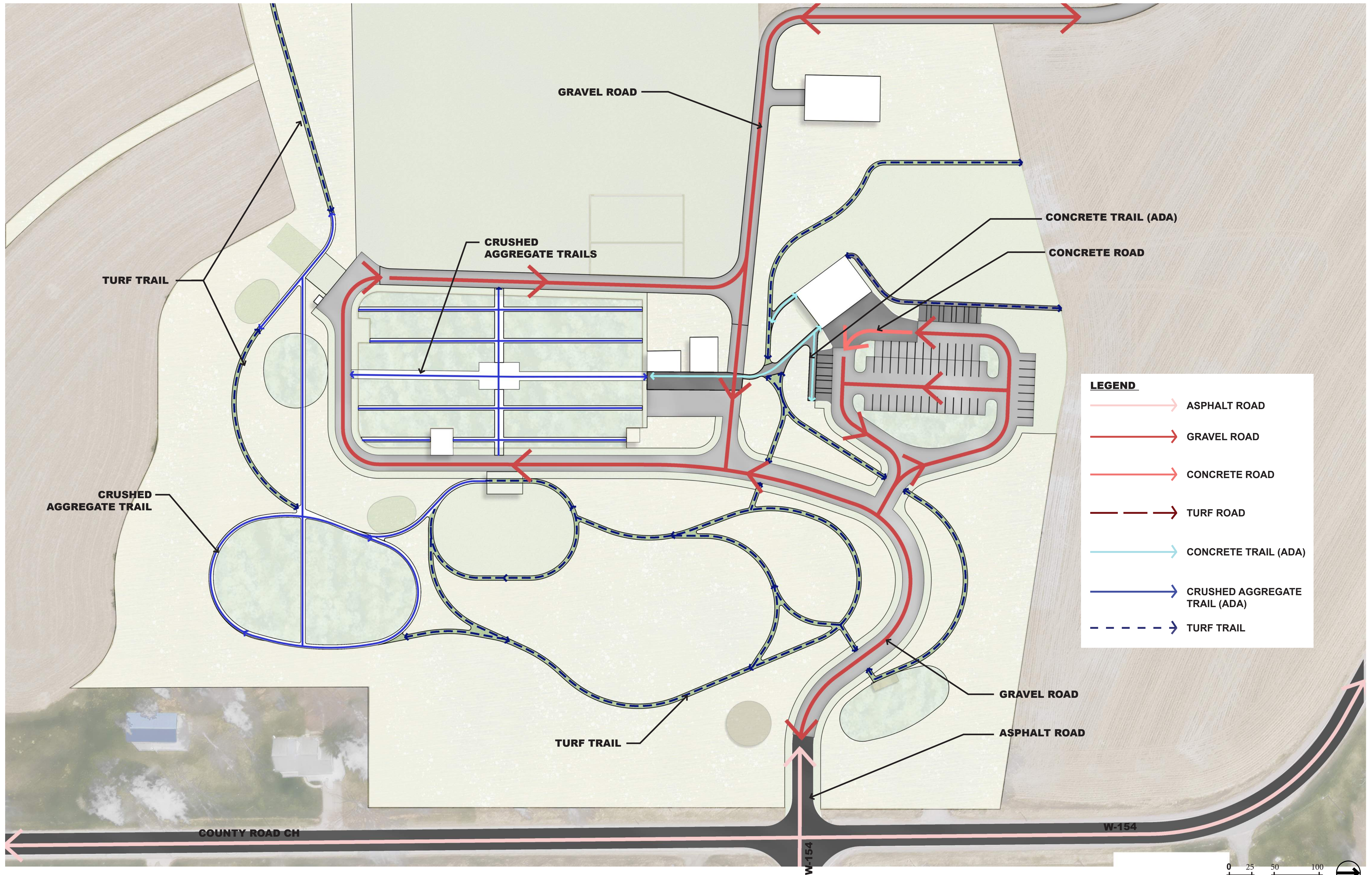
DESIGN APPROACH:

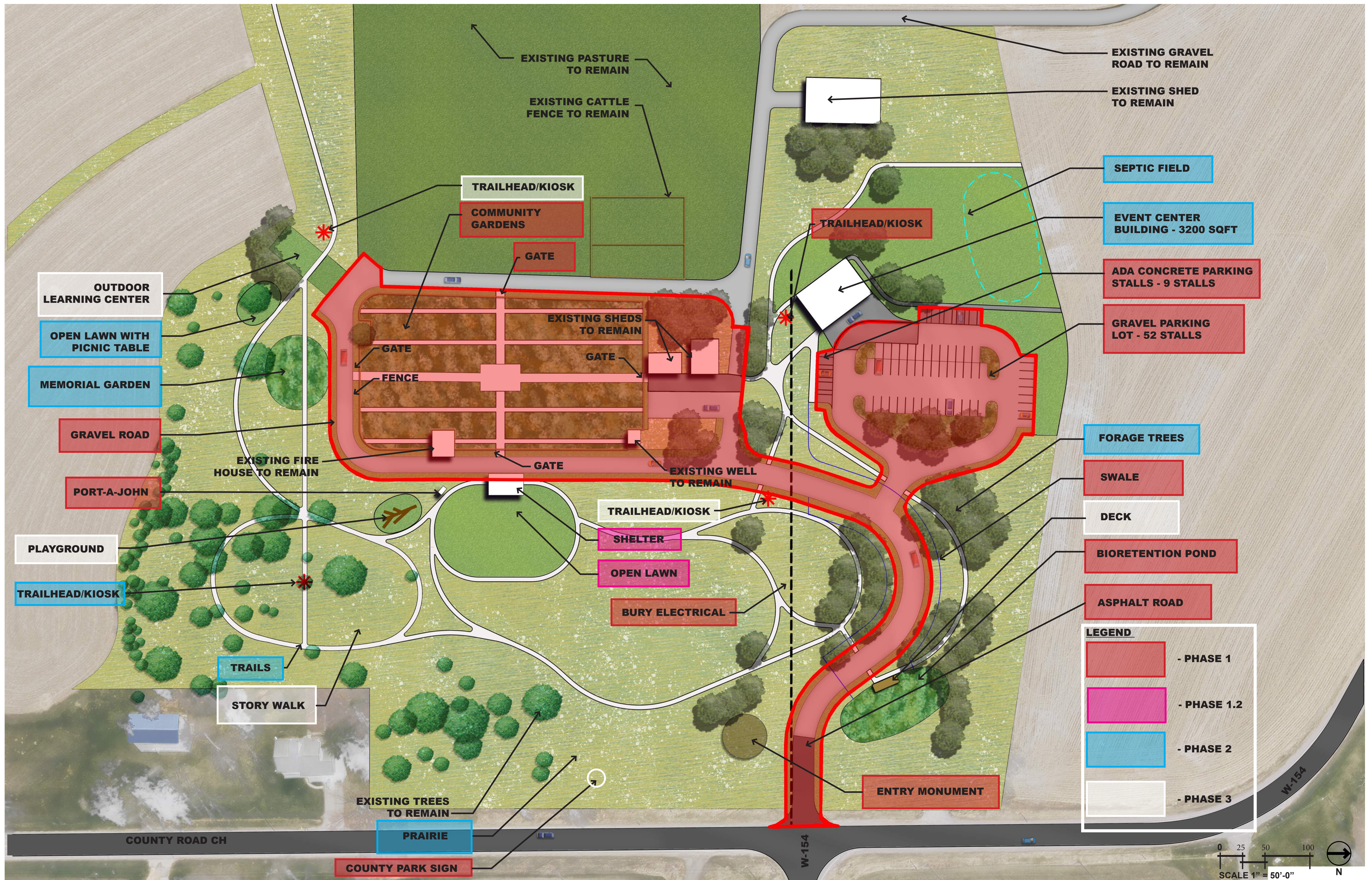
Keep the design simple, functional, and accessible.

Maintain an agrarian theme and feeling. Let the site elements present themselves and maintain an understated simplicity. It's a farm.











PLAN



IMAGE 1 - CORTEN METAL



IMAGE 2



IMAGE 3 - VIEW FROM EAST



IMAGE 4

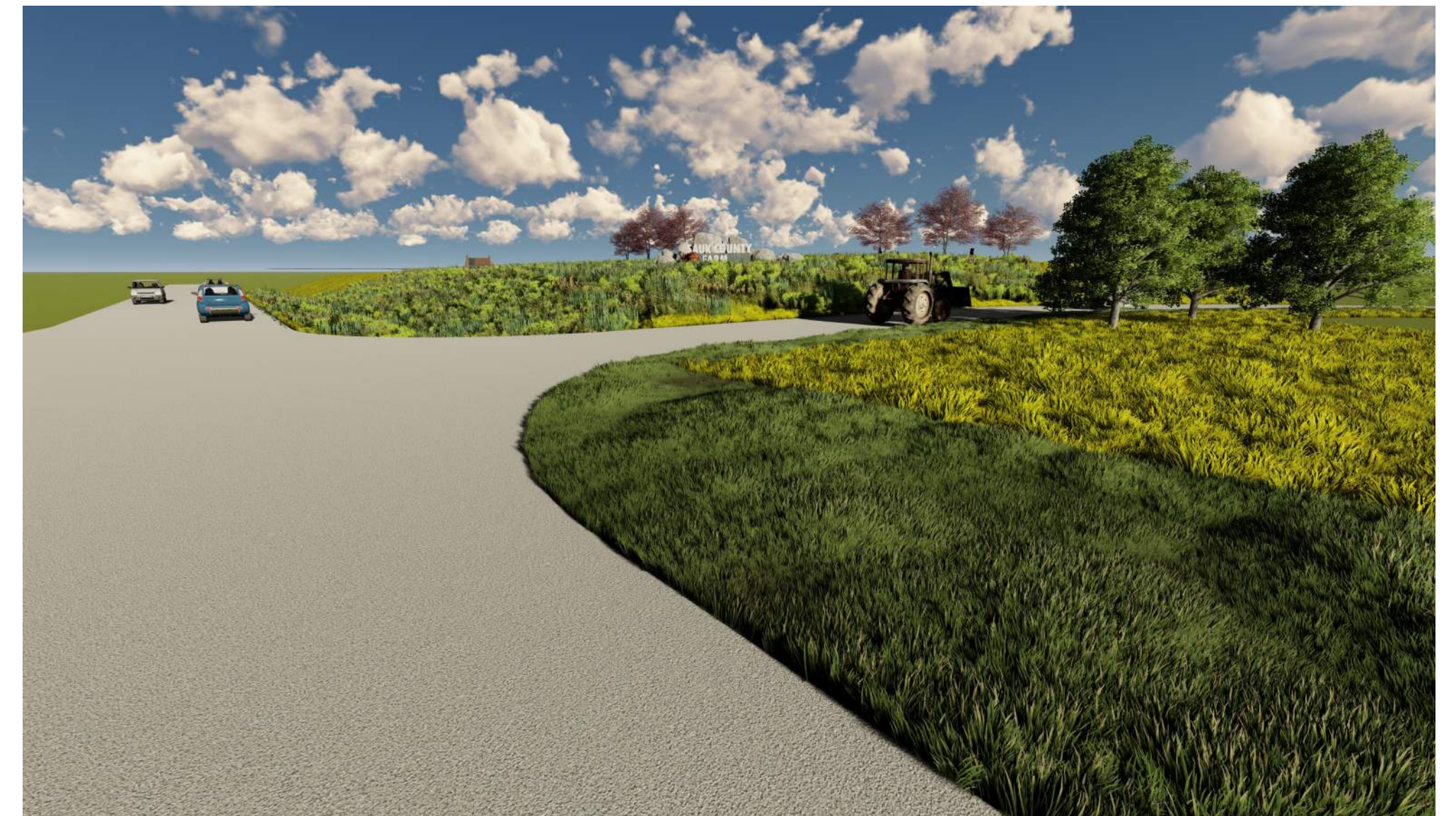











IMAGE 5 - VIEW FROM NORTH
















IMAGE 6 - VIEW FROM SOUTH

	NAME	HARVEST TIME	AGE AT PRODUCTION MINIMUM	AGE AT PRODUCTION MAXIMUM	WOOD HARVEST	ZONE	HEIGHT/ SPREAD	SPACING	FERTILIZATION	NOTES	MAINTENANCE
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CANOPY TREES

	Walnut English and Black	August - Fall	5 - 7 years	20 - 30 years	Black Walnut at 30 years, hardwood for furniture	3 to 7	75' - 100'	10' x 10'	Self-pollinate	Shells can be used for sandblasting Companion Plants: Beans, beats, parships, carrots, corn, melons, squash, black raspberries, onions, cherries, yams, crabapples, plums, peaches, pawpaw, persimmons, artchoes, quinces	Prune in late summer to late fall. Should only be fertilized in the spring. Drought-tolerant after first few years.
	American Hazelnut	July - August	2 - 3 years	4 years	N/A	4 to 9	10' - 16'	20' x 20'	Self-incompatible	Use for screening - will spread	Can be pruned to control size, can benefit from fertilizing. Minimal irrigation at maturity
	Chestnut	September - November	4 - 5 years	15 - 20 years	Lumber	5 to 8	50' x 50'	25' x 25'	Self-incompatible	Blight is an issue. Chinese Varieties: Bisalta #3, 'Colossal,' 'Eaton,' 'Marigoule' and 'Mossberg.'	Mature trees pruned when it is dormant. Fertilize beginning of July. Remove suckers.
	Persimmon	Fall - Winter	2 - 3 years	25 - 50 years	Hardwood	4 to 9	40' x 30'	20' to 35'	Self-incompatible	Leaves are used for teas Hard wood	Mature tree pruning is only necessary with declined production. 1 inch of water per week
	Red Mulberry	May - July	2 - 3 years grafted, 5 - 6 years seedling	2 -3 years grafted, 8 - 12 years seedling	Lumber	5a	50' x 50'	15' to 20'	Self-pollinated	Native, but hard to find true M. rubra in nursery stock. Fruit harvest of larger trees may be difficult. Best for value added processing as fresh fruit do not keep. Suitable for frost pockets, commercial yields per acre difficult to predict.	Early training only for pruning, irrigation after establishment. Generally do not require fertilization.
	Northern Pecan	September - October	5 - 7 years	20 - 25 years	N/A	6 to 9	70' x 40'	30' to 35'	Cross-pollinated	Can start spacing at 30' x 30', thin to 42' x 42'. 'Northern' pecans need 180 frost-free days (above 28 F) and 950 'cooling degree days' to be suitable.	Young trees need ample fertilization. For young trees water your trees weekly. Doesn't require pruning excepts to keep it away from other plants
	Honey Locust	November - December	10 years	25+ years	Lumber	3 to 8	40' x 30'	8' to 10'	Cross-pollinated	Yield and years to harvest vary by cultivar and location. Choose thornless, grafted cultivars with sugary pods and high yields such as 'Milwood', 'Ashworth', 'Calhoun' or 'Hershey' for livestock use. Wild genetics may have thorns or be thornless, but usually do not have high-quality pods. Heavy pod producing trees may not be suitable for windbreaks, as they can break in storms.	Young trees need to be irrigated. Newly planted trees are fertilized. Prune for shape at beginning, when mature little pruning except to remove dead branches.
	Cottonwood	November - December	5 - 10 years	N/A	N/A	3 to 9	70' x 50'	8' to 18'	Self-pollinated	High palatability. Can be cut during drought periods for additional forage. Adapted to upland site. Excellent for windbreaks. Easily propagated by planting hardwood cuttings	Prune foliage and branches regularly so it gets full sun. Irrigate reguarly, fertilize when young.
	Willow	September - October	3 - 4 years	5 years	Wood chip mulch	4 to 10	30' x 30'	20" to 24"	N/A to production, but excellent pollinator plant	Excellent for pollinators. May provide some medicinal benefits to livestock. Additional products include basket willow, biochar, ornamental stems, and wood chip mulch. Easily propagated by hardwood cuttings during the dormant period.	Prune while young to shape and while its easier. Newly planted trees respond very well to fertilization. Surrounding the trunk of the tree with hardwar cloth will protect it from rabbits.

	NAME	HARVEST TIME	AGE AT PRODUCTION MINIMUM	AGE AT PRODUCTION MAXIMUM	WOOD HARVEST	ZONE	HEIGHT/ SPREAD	SPACING	FERTILIZATION	NOTES	MAINTENANCE
DWARF FRUIT TREES											
	Peach	July - September	2 - 4 years	20 years	N/A	3 to 8	12' x 12'	12' to 20'	Self-pollinate	Use dwarf versions for planting "Reliance" variety known for cold hardiness	Irrigate every 7 to 14 days. Prune during dormant season
	American Plums	August - September	3 years	8 yrs	N/A	3 to 8	15' x 20'	8' x 8'	Self-pollinate	Good in woodlands, pastures streams and hedgerows, tolerates shade. Fruit generally not consumed, but used for jelly and preserves. Grows in thickets and spreads	Requires regular watering. Prune in late winter or early spring. Benefits from annual fertilization
	Common Pear	August - October	3 - 10 years	15 - 20 years	Furniture	4 to 7	15' x 15'	12' to 20'	Self-incompatible	Dwarf varieties are easier to maintain. Varieties: Golden Spice, Gourmet, Juicy Jewel, Luscious, Parker, Patten, Summercrisp, Ure	Semi-drought tolerant after first few years. Fertilize in the Spring. Prune 1/3 growth in late winter or early spring.
	Apple	August - October	3 - 6 years	50 years	N/A	3 to 8	6' x 6' to 20' x 20'	10' to 20'	Self-incompatible	Dwarf varieties are 6' x 6' and standard apple trees are 20' x 20'	Prune no later than early April. Regular watering
	Serviceberry	May - June	3 - 5 years	6 - 8 years	N/A	4 to 9	15' x 15'	9' to 12'	Self-pollinate	Downy variety	Prune for a good branch structure when tree is young. Drought tolerant after plant is well established
	American Elderberry	August - September	3 - 5 years	10 years	N/A	3 to 9	12' x 6'	6' to 8'	Self-incompatible	Berries are slightly toxic and must be cooked before eating	Relatively drought tolerant. Prune late winter or early spring to control size.
	Cherry	April - July	4 - 6 years	N/A	Hardwood	4 to 8	15' x 15' to 25' x 25'	6' to 8'	Self-incompatible	Sour or tart cherries are self-pollinators, most sweet cherry varieties are self-incompatible	Drought tolerant. Avoid applying fertilizer after July 1st. Prune late winter when plant is dormant.
	Paw Paw	September - October	3 - 4 years	7 - 8 years	N/A	5 to 8	20' x 20'	8' to 12'	Cross-pollinated	Can produce in the shade but full sun is required for high yields. Fruit is used within a few days of picking or pulped and frozen. Fewer pests than some fruits, but control may still be required. Shade is recommended for young trees. Seed must be kept constantly moist in order to stay viable.	Fertilize at least twice a year. Propagate by grafting and cutting. Require regular irrigation when young.
SHRUBS											
	Raspberry	June- August	2 years	3 years	N/A	3 to 9	5' x 5'	2' to 3'	Self-pollinate		Fertilize in spring before new growth. Regular Irrigation especially from bloom until harvest.
	Gooseberry	June - August	1 - 3 years	3 years	N/A	3 to 9	5' x 5'	2' to 3'	Self-pollinate		Prune old wood in late winter. Remove weeds regularly.
	Thimbleberry	June- August	2 - 3 years	3 - 4 years	N/A	3 to 8	4' x 4' to 8' x 8'	2' to 3'	Self-pollinate		Don't prefer fertilizer. Regularly watered.
	Aronia	August - September	3 years	5 - 6 years	N/A	3+	6 - 12' tall and 3 - 6' wide	3' to 4'	Self-pollinate	Best suited for value-added products due to astringent taste when fresh. High labor makes machine harvest most practical	Lightly shape plants, remove dead or diseased branches, remove suckers. Little to no fertilizer, keep soil evenly moist until plants are established.
	Black Current	July - August	3 years	4 - 5 years	N/A	2+	5' x 5'	4' to 5'	Self-pollinate	Shade-tolerant. Usually machine harvested. Must be variety resistant to White Pine Blister Rust	Apply fertilizer two times per year. Fertilize regularly. Prune twice a year, in winter and summer.

OUTDOOR LEARNING CENTER



IMAGE 1



IMAGE 2

PLAYGROUND



IMAGE 5



IMAGE 6



IMAGE 3



IMAGE 4

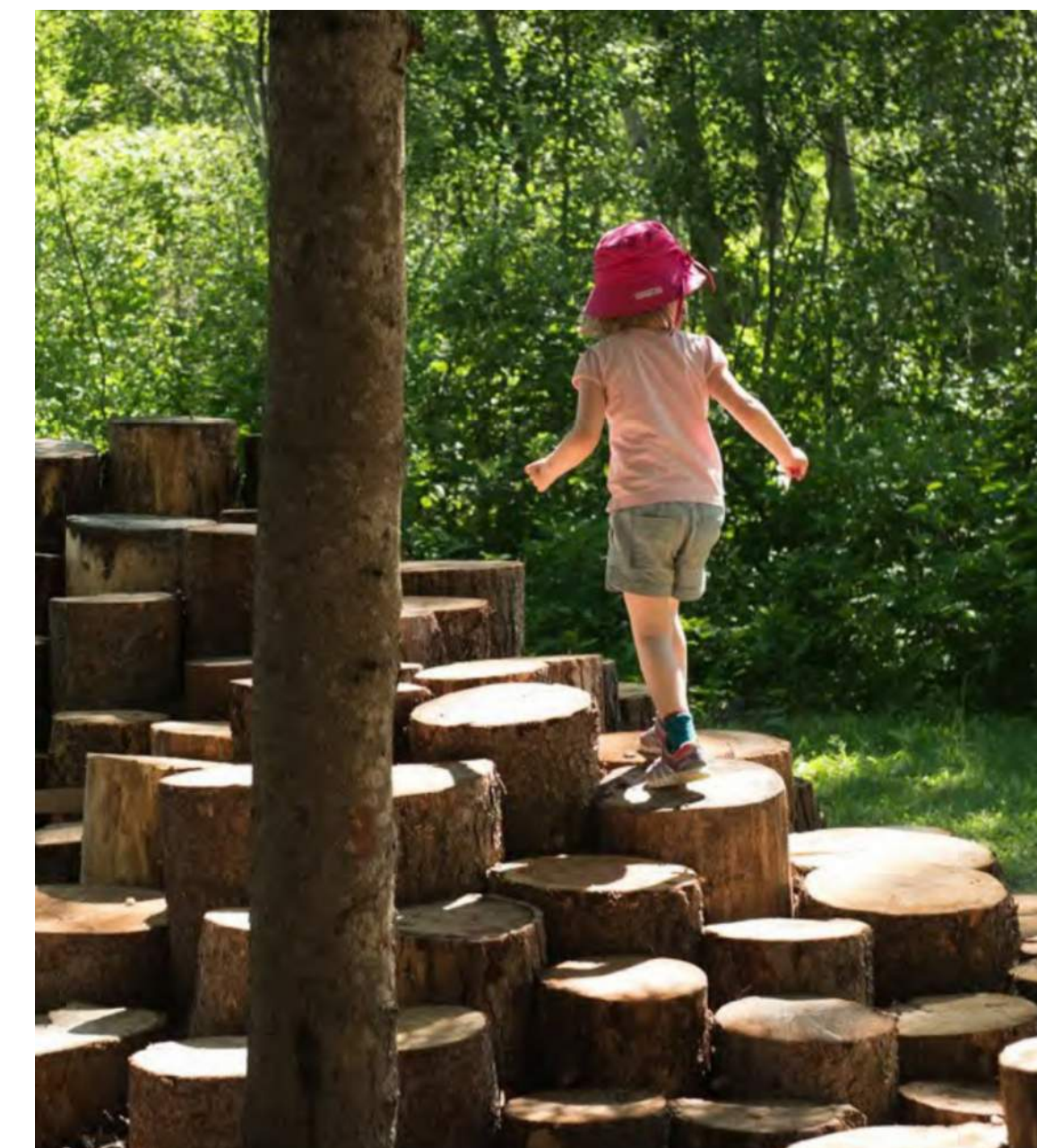


IMAGE 7



IMAGE 8