

# HYRUM RESIDENCE AND FARM

## Analysis and Concept

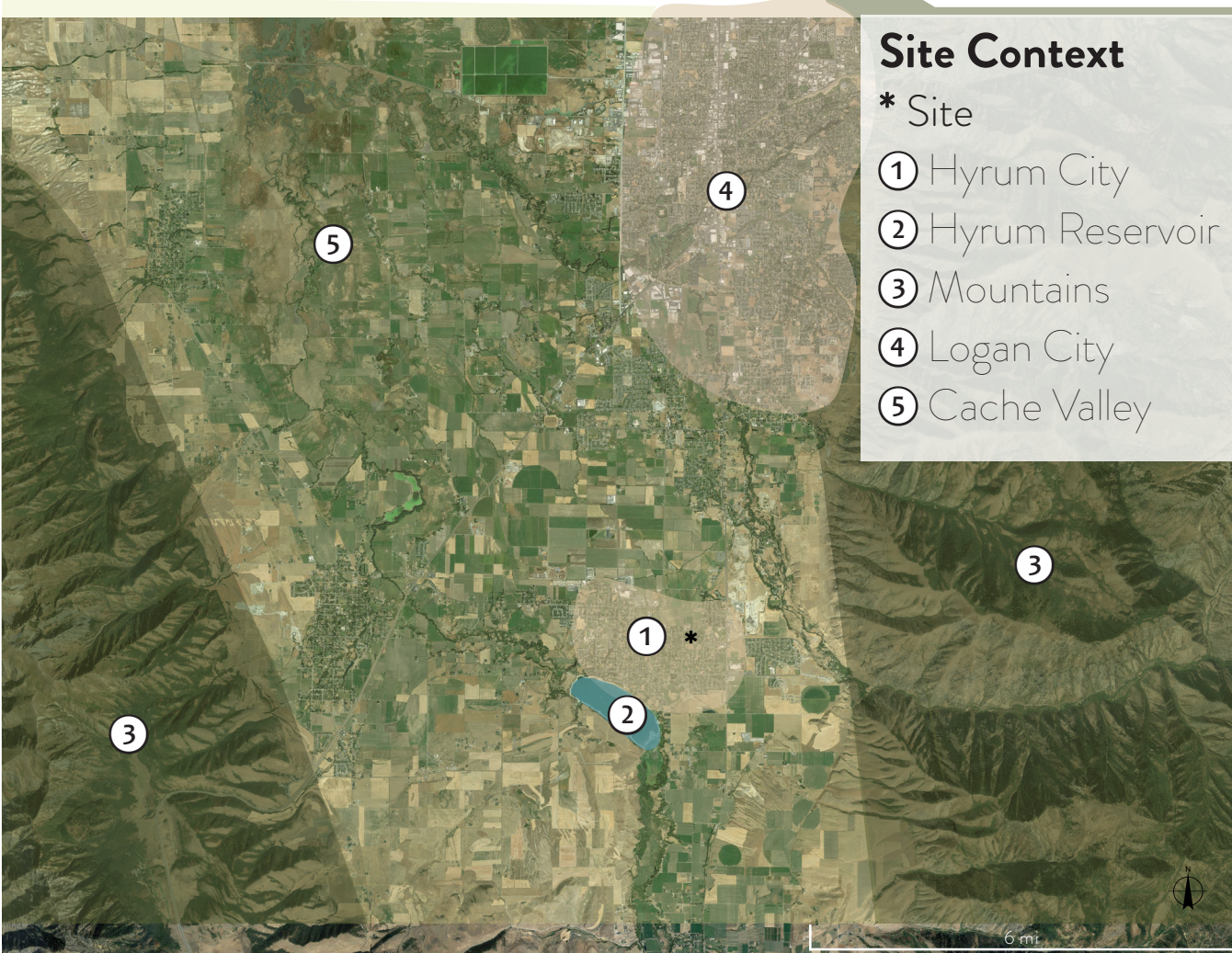
### SITE INVENTORY AND ANALYSIS

#### Overview:

The Hyrum Residence and Farm is a new residence built on a one acre farm located in Hyrum, Utah. Historically, the lot has been maintained as pasture, with some fruit trees planted on the south side of the property

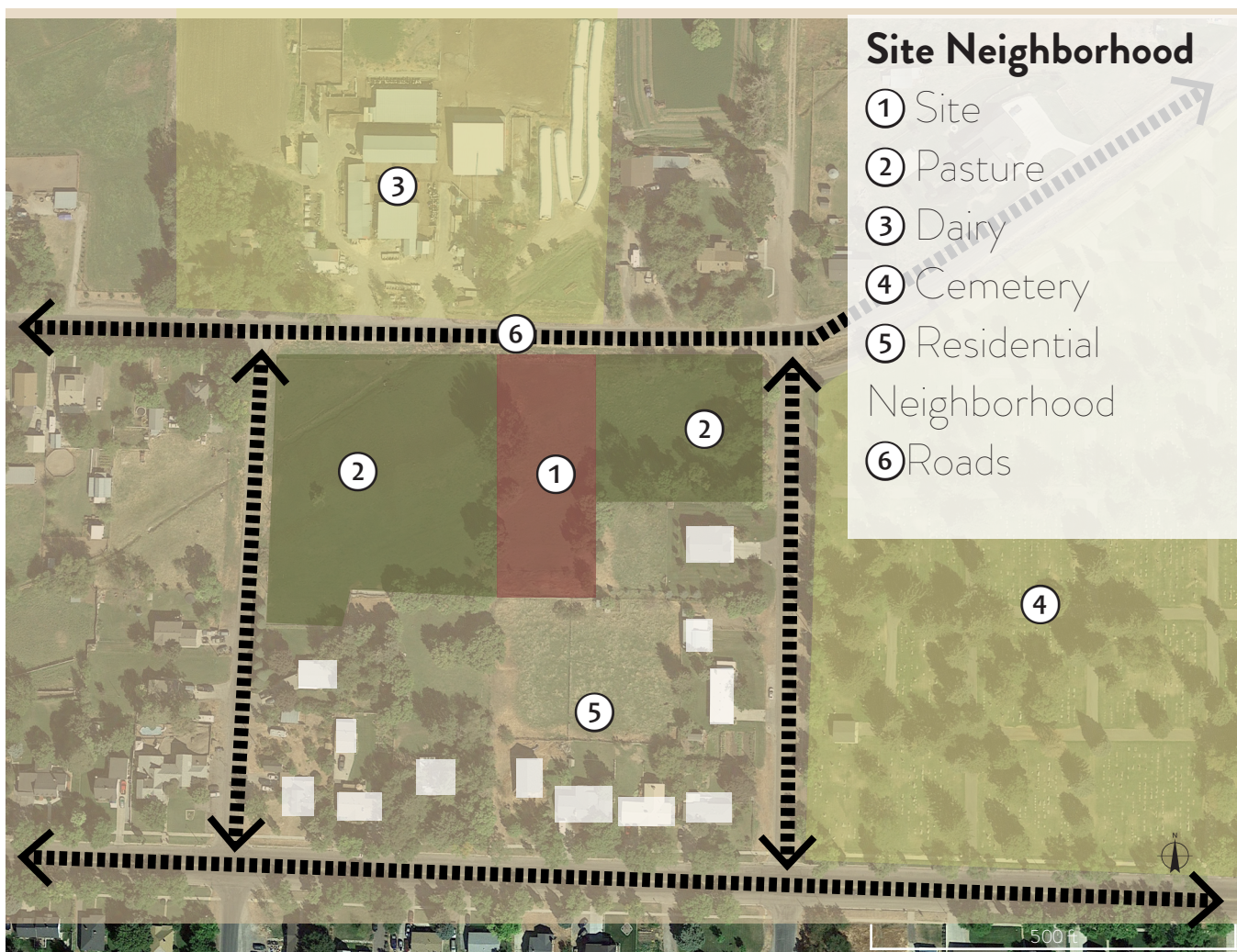
#### Climate Data:

Annual Precipitation: 19 inches  
Average Summer High: 89 F  
Average Winter Low: 14 F  
Elevation: 4679 feet  
USDA Hardiness: Zone 5b  
Average Frost Free: May 20th - Sept 22, 126 day growing season



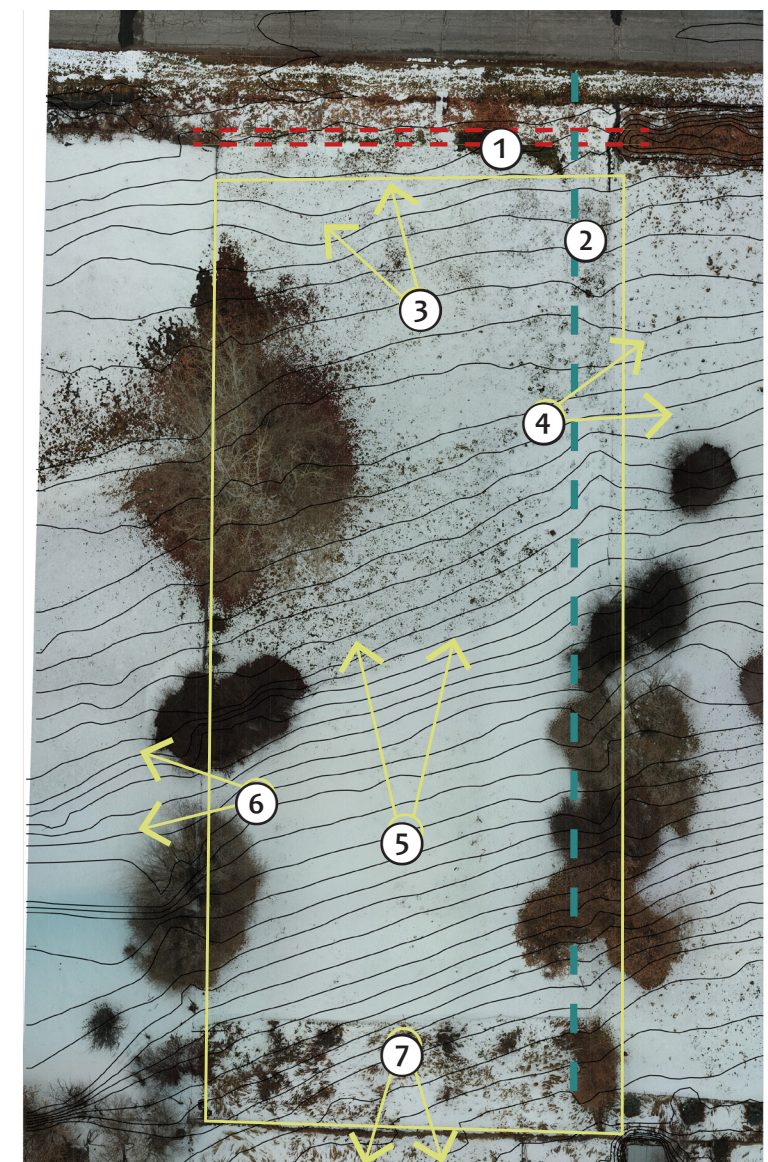
#### Site Context

- 1 Site
- 2 Hyrum City
- 3 Hyrum Reservoir
- 4 Mountains
- 5 Logan City
- 6 Cache Valley



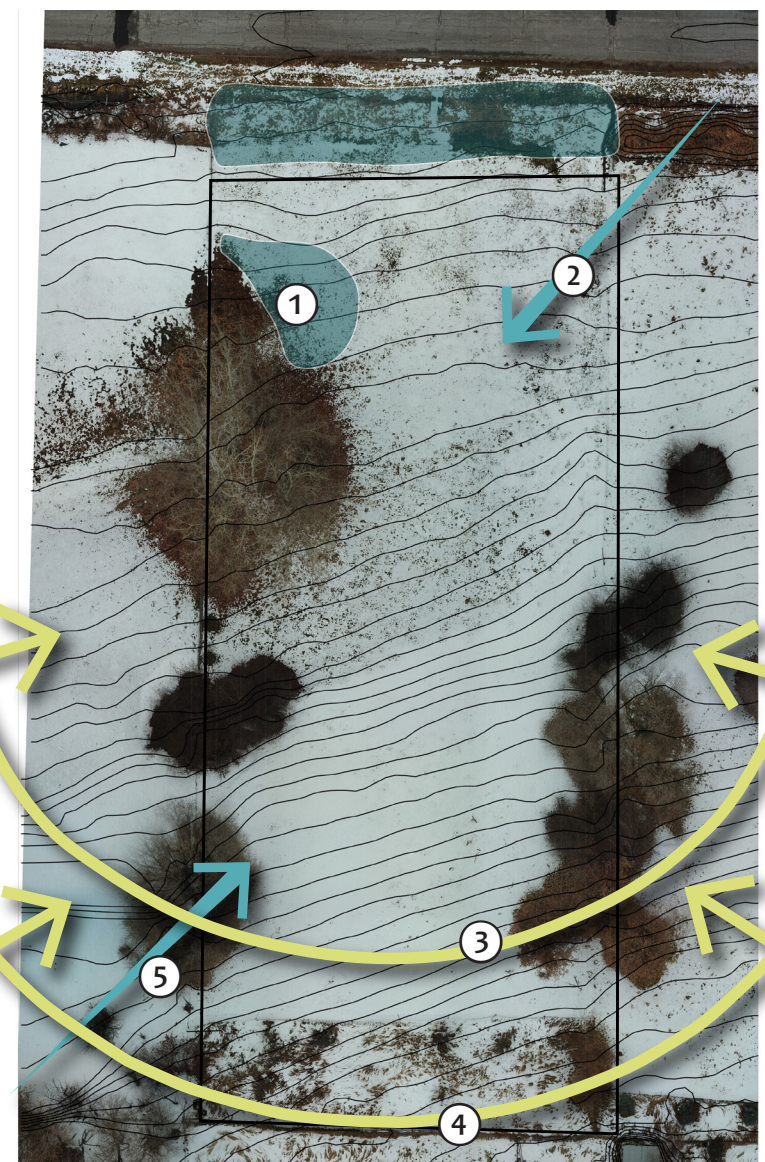
#### Site Neighborhood

- 1 Site
- 2 Pasture
- 3 Dairy
- 4 Cemetery
- 5 Residential Neighborhood
- 6 Roads



#### Views and Utilities:

- 1 Power line
- 2 Secondary irrigation line
- 3 View of dairy
- 4 Pasture
- 5 Good view of Cache Valley
- 6 Good view of Wellsville Mountains
- 7 View of neighbor



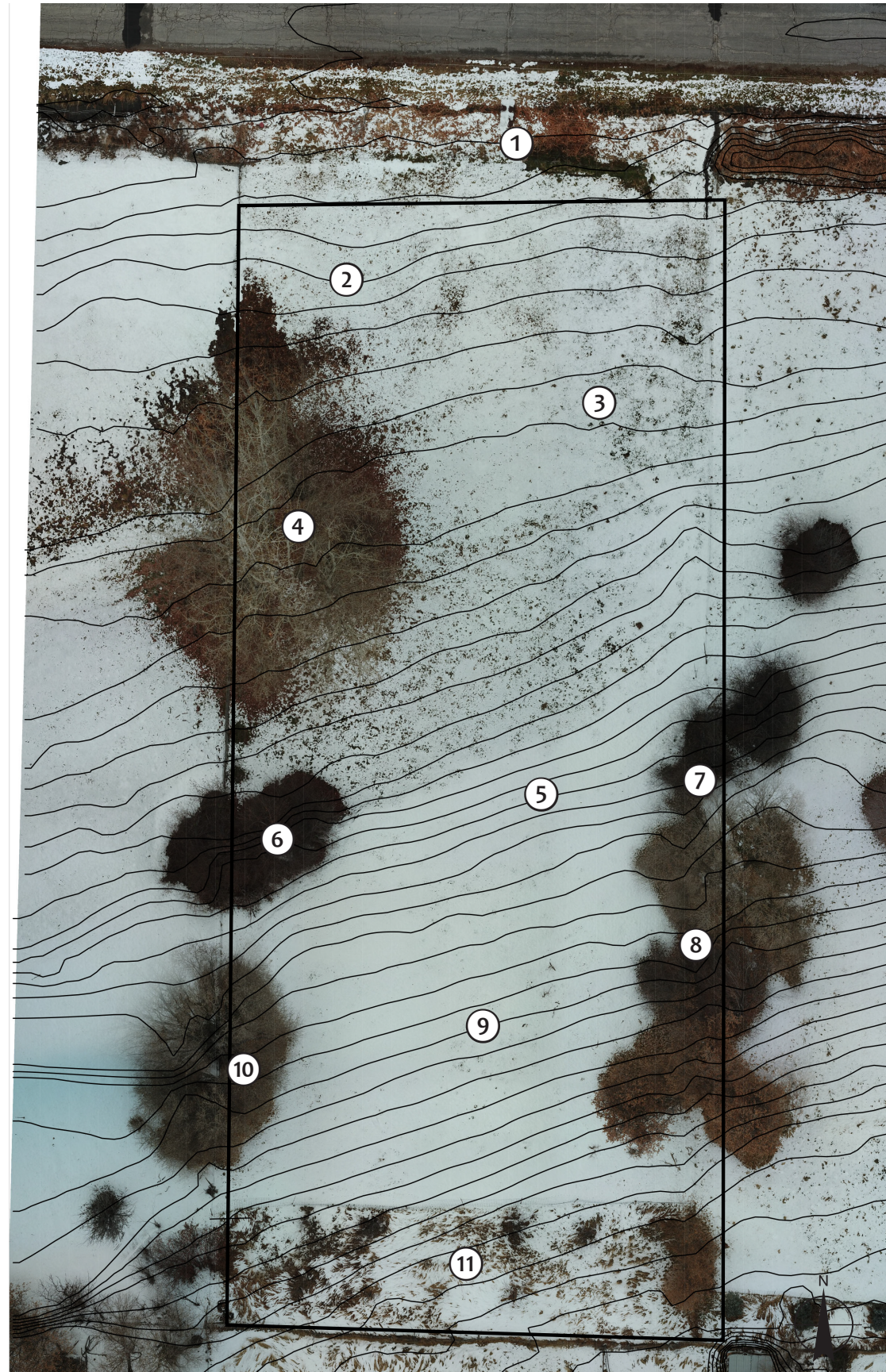
#### Climate:

- 1 Protected wet area
- 2 Prevalent wind
- 3 Summer sun angle
- 4 Winter sun angle
- 5 Occasional strong wind



#### Plants:

- 1 Cottonwood
- 2 Apple
- 3 Siberian Elm
- 4 Mixed fruit trees
- 5 Box Elder
- 6 Fruit Tree
- 7 Reeds
- 8 Pasture grass



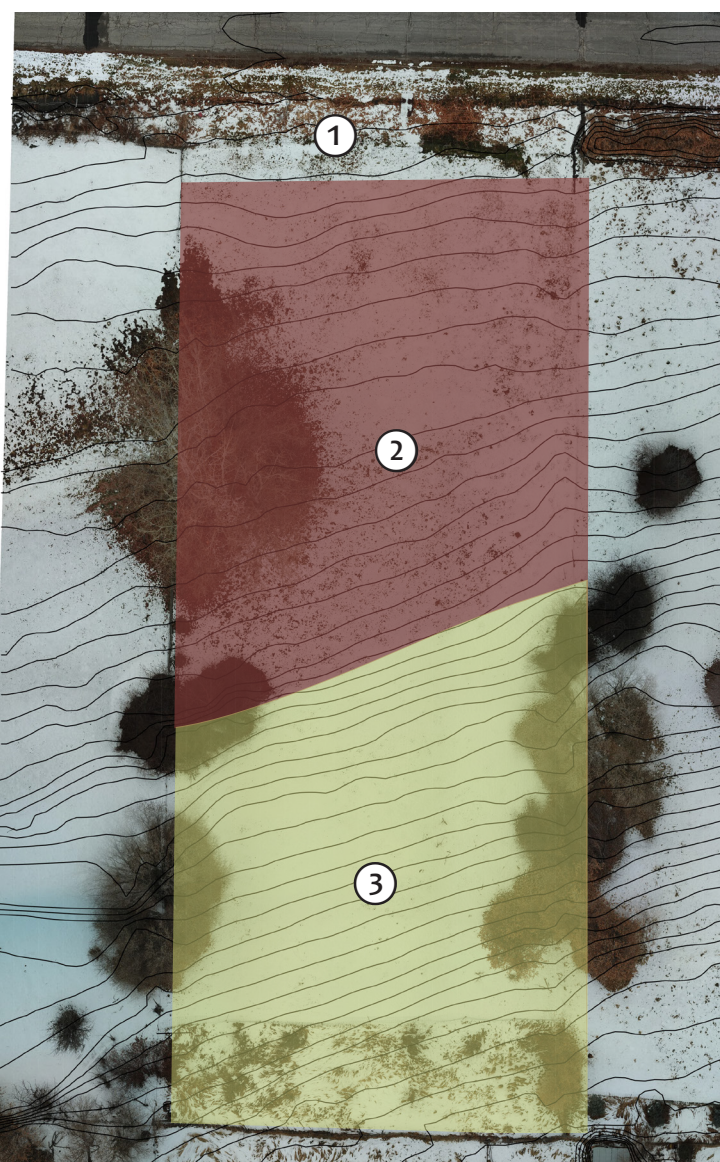
#### Site Analysis

- 1 Maintain and protect wetland
- 2 Wet area not suitable for building
- 3 Flat, wet area, suitable for annual crops and some structures
- 4 Healthy cottonwood trees to keep
- 5 Steep, dry area
- 6 Old apple trees: can keep with proper pruning
- 7 Old fruit tree, not productive, remove
- 8 Box Elder trees on neighbor's property, keep, but trim
- 9 Ideal location for building for views and soil
- 10 Weedy elm trees to remove
- 11 Existing orchard: keep and add additional fruit trees



#### Slope:

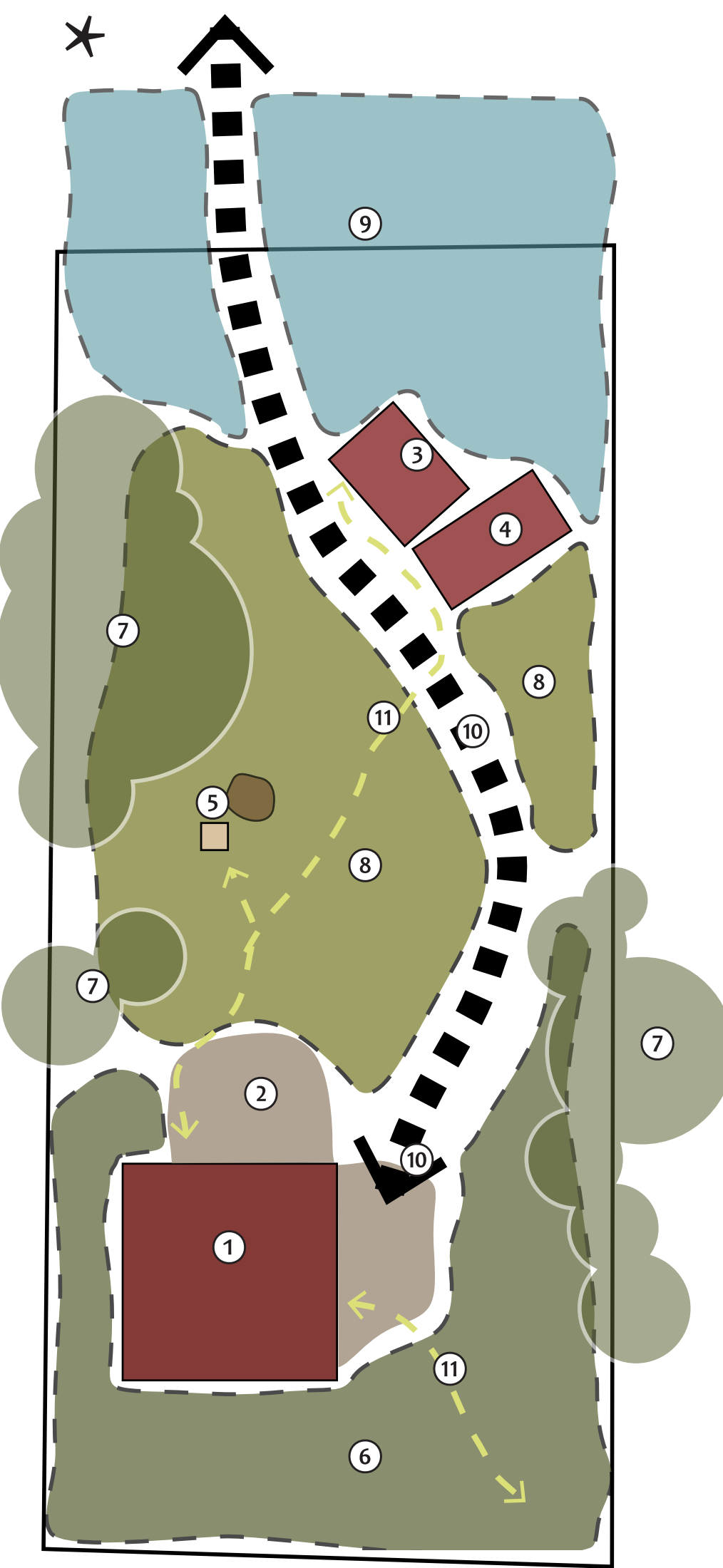
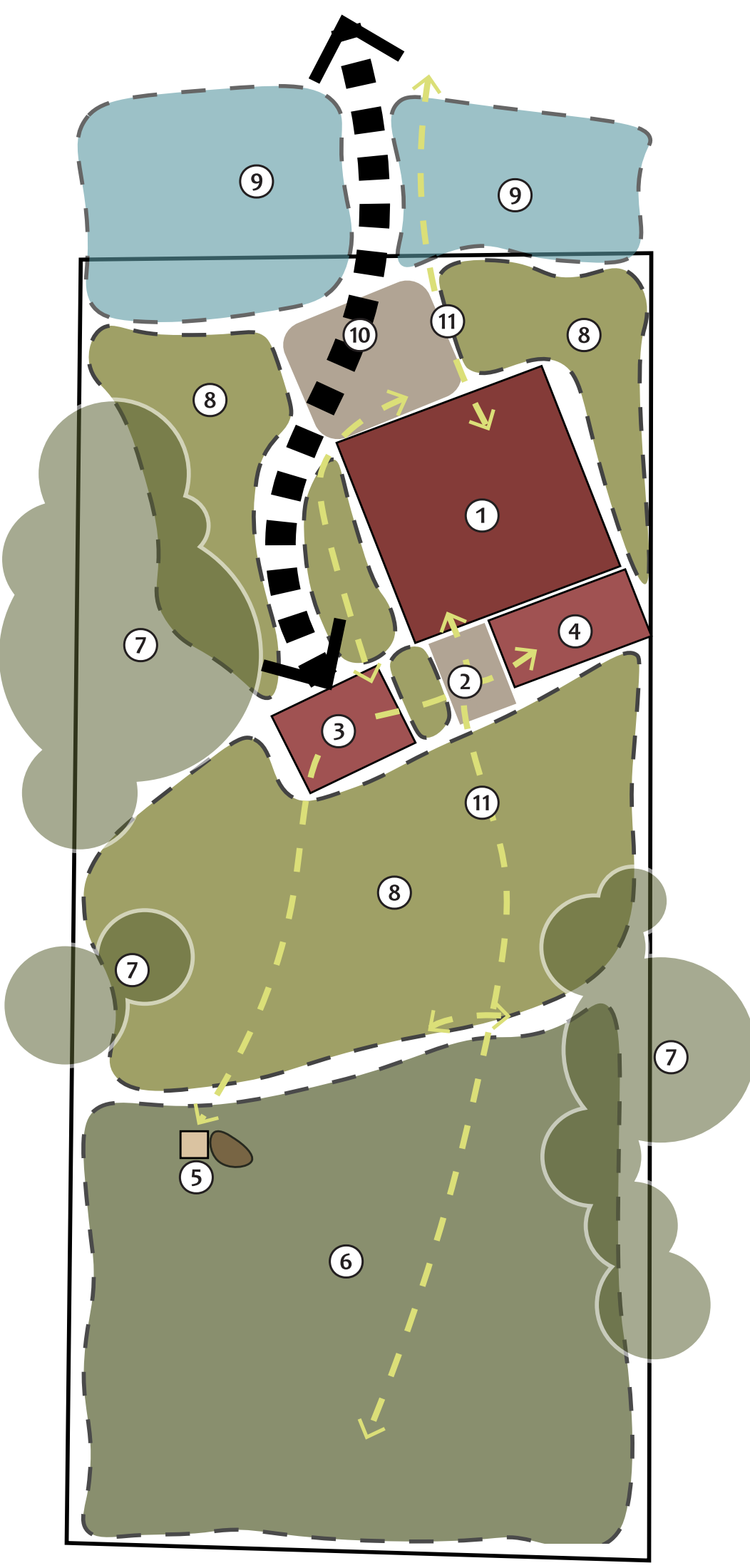
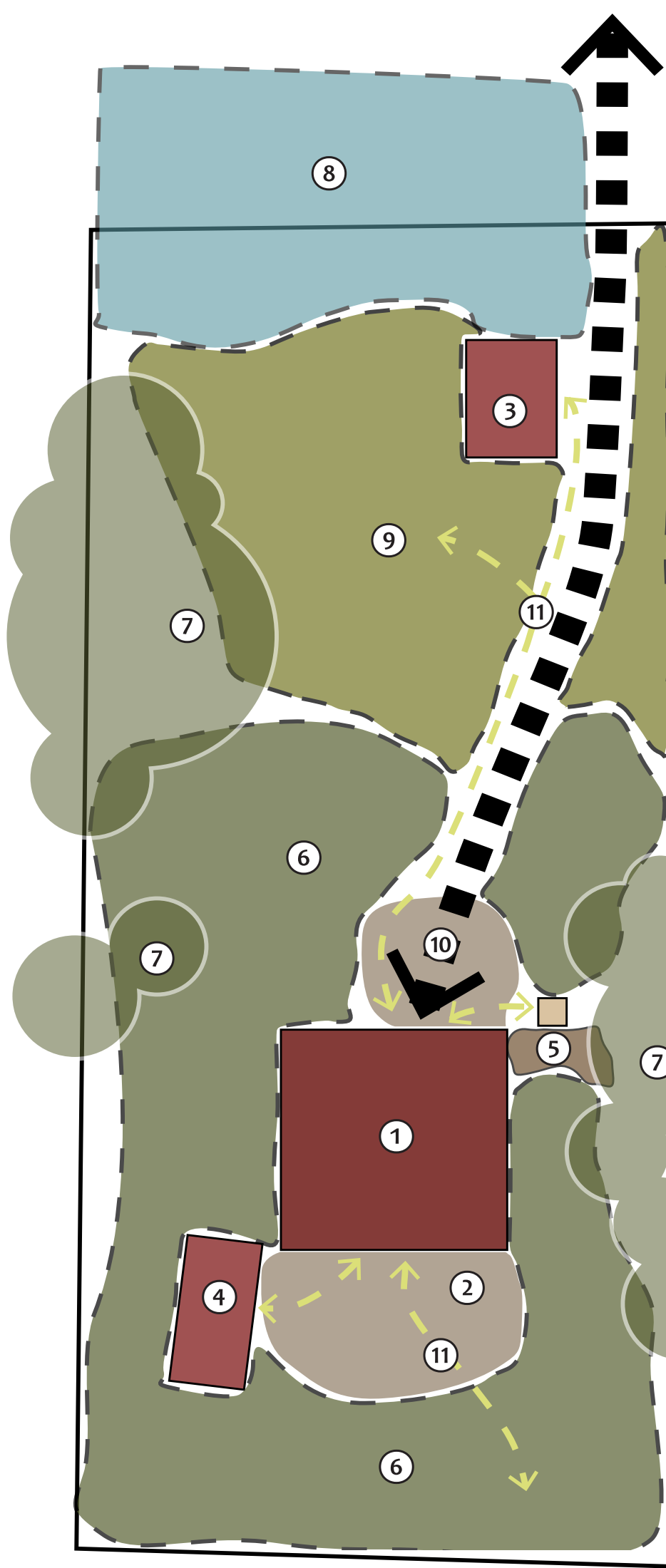
- 1 0-10%
- 2 10-15%
- 3 15%



#### Soils:

- 1 Wetland
- 2 Pv Soil: Gravelly loam, alkaline, wet, high water table
- 3 SwD Soil: Gravelly loam, well-drained, alkaline

### CONCEPTS

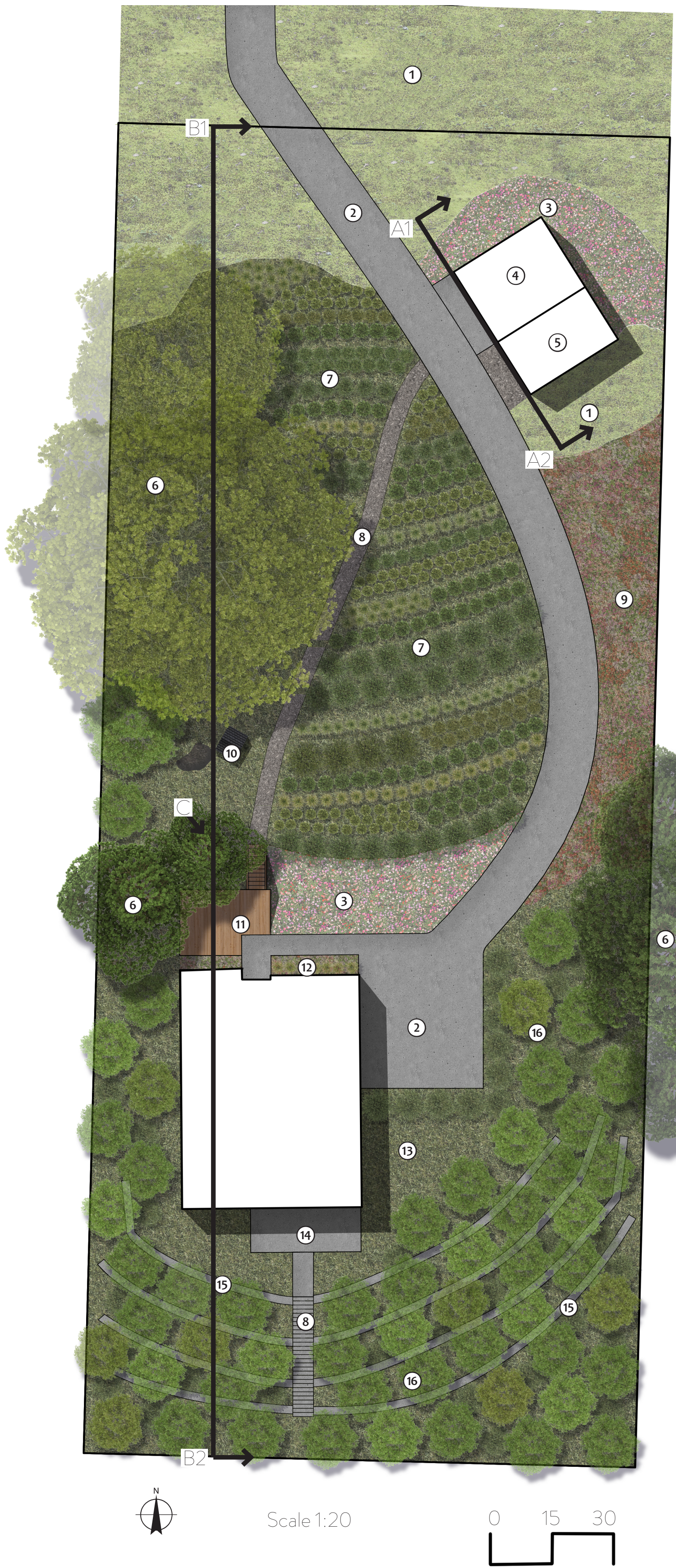


- 1 Residence
- 2 Patio/deck
- 3 Shed/barn
- 4 Greenhouse
- 5 Chickens and compost
- 6 Orchard and food forest
- 7 Existing trees to keep
- 8 Main crops
- 9 Drainage and wetland
- 10 Auto circulation
- 11 Pedestrian circulation
- \* Preferred Concept

# HYRUM RESIDENCE AND FARM

## Design and Grading

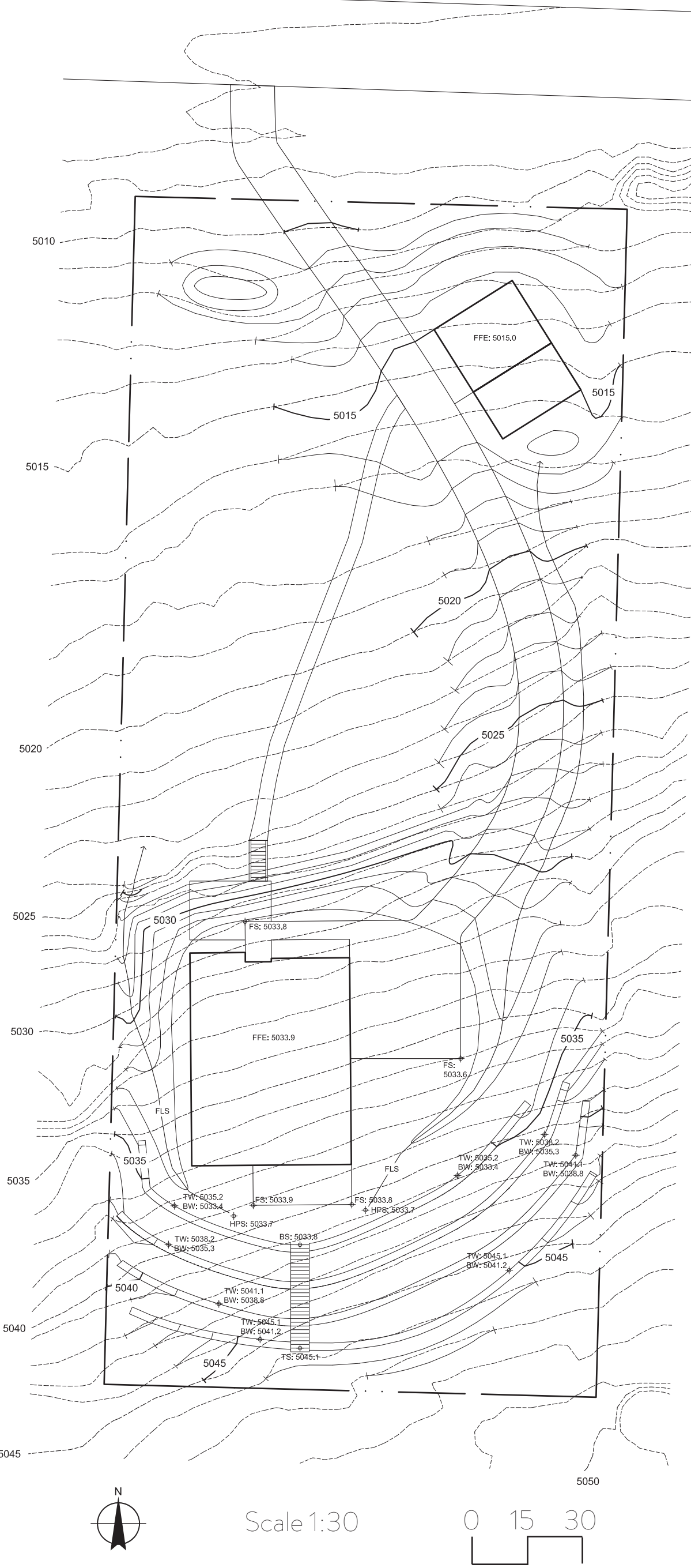
### SCHEMATIC PLAN



#### Legend:

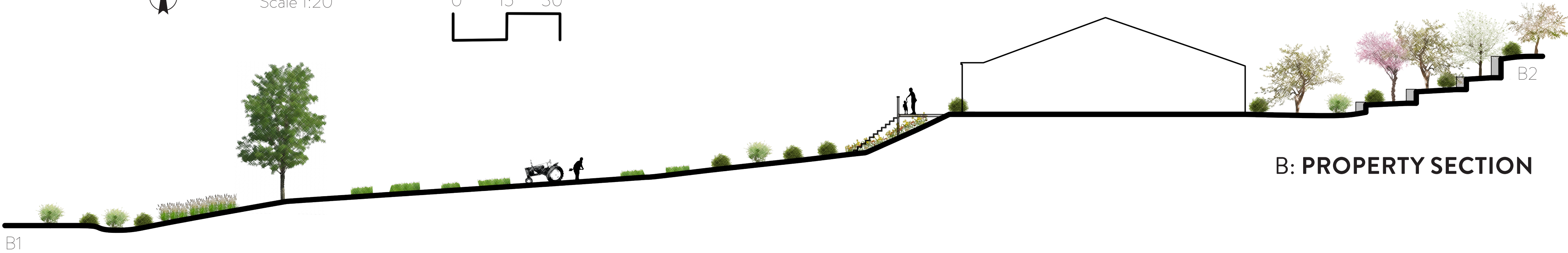
- 1 Mixed rain garden plants
- 2 Driveway
- 3 Wildflower meadow mix and cut-flow - ers
- 4 Barn
- 5 Greenhouse
- 6 Existing trees
- 7 Annual crops
- 8 Path
- 9 Perennial small fruits
- 10 Chicken coop and compost
- 11 Deck
- 12 Foundation plants
- 13 Clover, lawn mix
- 14 Patio
- 15 Retaining walls
- 16 Orchard

### GRADING



#### Legend:

- FFE: Finished floor elevation
- TW: Top of wall
- BW: Bottom of wall
- FS: Finished surface
- TS: Top of step
- BS: Bottom of step
- Existing contour
- Proposed contour



### B: PROPERTY SECTION



### C: FRONT ENTRY