


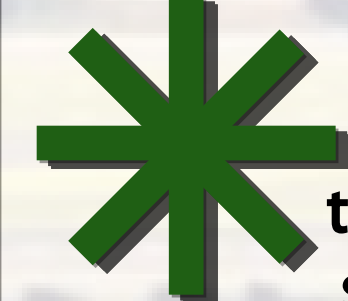



LEGEND:

-  **VEHICLE CIRCULATION**
-  **PRIMARY CIRCULATION**
- ADA compliant, main access throughout site. Pedestrian and light vehicle.
-  **SECONDARY CIRCULATION**
- Pedestrian circulation throughout zones.
-  **PRIMARY GATHERING NODE**
- Outdoor class areas for gathering and teaching with shade structure, seating and storage. Possible rest facilities
-  **SECONDARY GATHERING NODE**
- Outdoor class area for smaller more intimate gathering and teaching. Possible earthen mounds or vegetation lined spaces.

ENTRY

- Create a focal point at entry to serve as gateway into site, welcome center.
- Use space as overflow and bus parking.
- Possible realignment of drive necessary due to underpass construction

BUILDINGS

- Tear down existing multi-room unit and replace new with 2 lab, 2 room unit (X).
- Existing 2 room unit to remain.
- Add greenhouse.
- Staging area prior to entering site.
- Fire Stop facilities to remain.

PARKING

- Parking area with room for bus drop-off and turnaround.

OUTDOOR LAB

- Fully functional outdoor lab area with shade structures.
- Workstations with water and sinks.
- Range of experiment sites.



WATER RESOURCE MANAGEMENT

- Modify existing contours of the land to create two ponds, possibly joined by a circulating stream.
- Sites to study use efficiency, infiltration, and runoff.
- Possible fish habitat.

FORESTRY

- Take advantage of existing data from Center of Forest Genetics
- Christmas tree farm.
- Sugar pine genetics program - study resistance to white pine blister rust.
- Sites to study fire management and thinning, as well as natural forest cycle and hierarchy.

ALTERNATIVE ENERGY

- Explore solar, wind, hydrological, and biological forms of alternative energy.
- Source for on-site renewable power.

AGRICULTURE

- Explore new sustainable agriculture practices.
- Apples, walnuts, grapes, peaches, plums, berries, vegetables.
- Utilize Apple Hill community partners.
- Native plant cultivation, cut flower production
- Serve as buffer between site and residences to the south.

OVERALL SITE

- Create wildlife habitat and habitat corridors.
- Use nodes as key locations for overlap between zones and concepts.



EDHS Natural Resource Program - Preliminary Master Plan