flocktown farm design development

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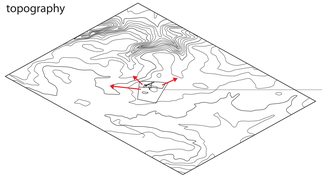
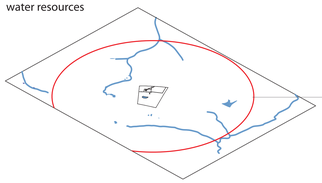
Flocktown Farm is designed to preserve the escence of the farm while also making dramatic improvements in order to minimize municipal water needs. The site features a secondary retention pond in order to satisfy the increase in water demand from the brewery. The existing pnd will be maintained and be used for a relaxation space, where people can enjoy the view. Existing buildings will be maintained. The brewery building will have a direct connection to retention pond and will offer a variety of views and seating areas. Greenhouses will be located near dining space, since all goods produced in the greenhouse will be used for kitchen. Housing will be located at hilltops to provide views of the site. Event center building will be constructed last, and will respond to the increase farm's reputation.

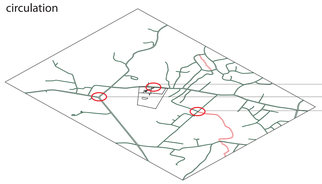
topography



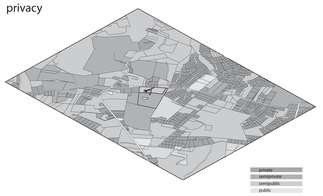
water resources



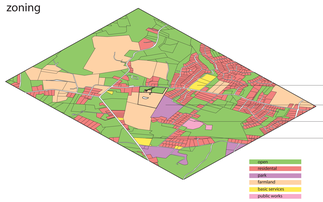
circulation



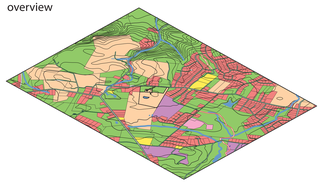
privacy

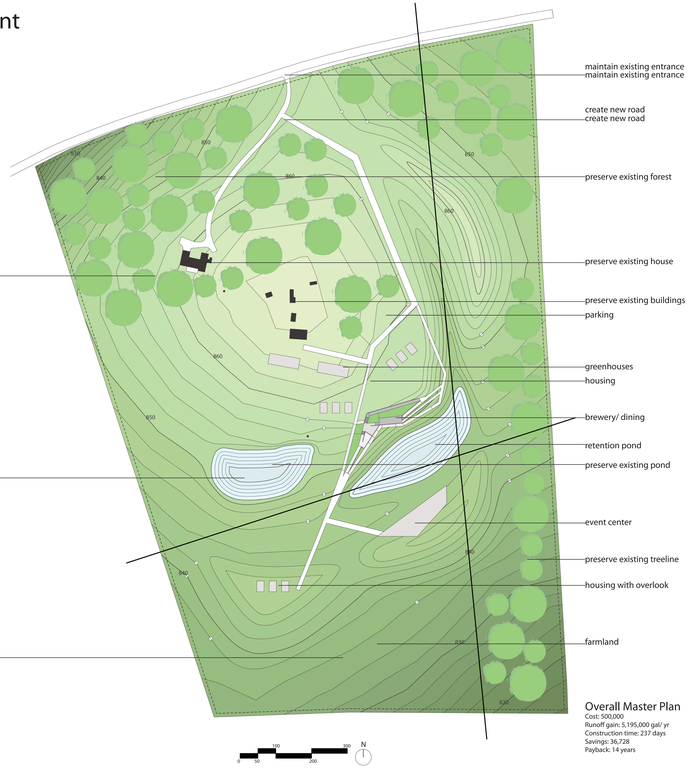


zoning



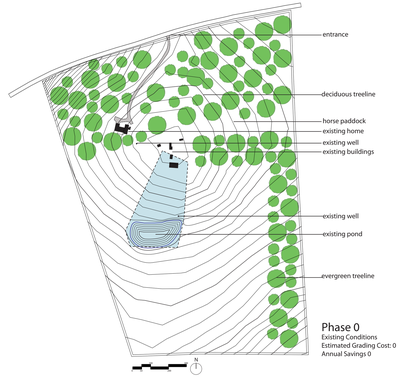
overview





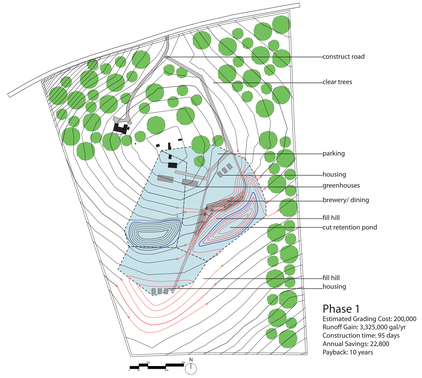
Overall Master Plan

Cost: 500,000
Runoff gain: 5,195,000 gal/ yr
Construction time: 237 days
Savings: 36,728
Payback: 14 years



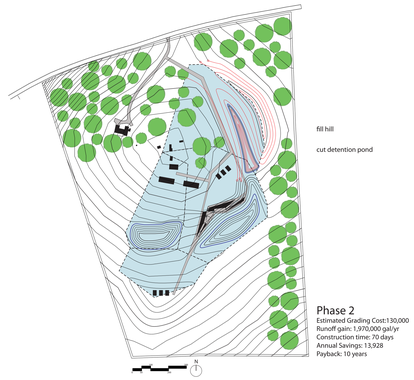
Phase 0

Existing Conditions
Estimated Grading Cost: 0
Annual Savings 0



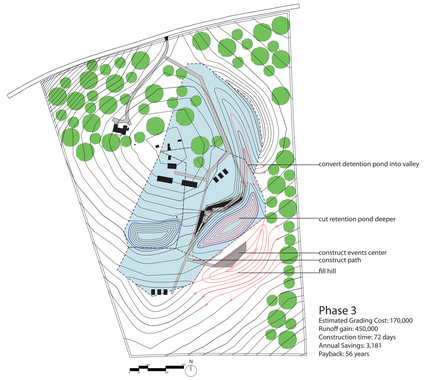
Phase 1

Estimated Grading Cost: 200,000
Runoff Gain: 3,325,000 gal/yr
Construction time: 95 days
Annual Savings: 22,800
Payback: 10 years



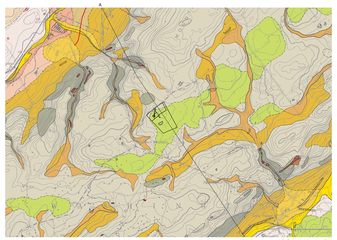
Phase 2

Estimated Grading Cost:130,000
Runoff gain: 1,970,000 gal/yr
Construction time: 70 days
Annual Savings: 13,928
Payback: 10 years



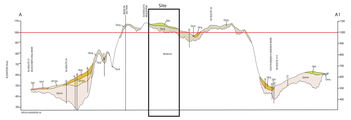
Phase 3

Estimated Grading Cost: 170,000
Runoff gain: 450,000
Construction time: 72 days
Annual Savings: 13,181
Payback: 56 years



Sbr PRE-ILLINOIAN TILL—Yellowish-brown to reddish-yellow silty clay to sandy clayey silt with some (5-10% by volume) to many (10-40%) subrounded to subangular pebbles and cobbles and few (1-5%) to some subrounded boulders. Pebbles and cobbles are predominately quartzite, quartzite-conglomerate, quartzite and quartzite-conglomerate, gray mudstone and sandstone, dark-gray chert, and reddish-brown quartzite-conglomerate. Boulders are clearly gray quartzite and quartzite-conglomerate. Pebbles of mudstone, chert, quartzite, sandstone, and gneiss gravel clasts have weatherings or are completely decomposed. As much as 30 feet thick. Equivalent to the Port Murray Formation, till facies, of Stone and others (2002).

Qmu WEATHERED CHERTS—Yellowish-brown, yellow, very pale brown, reddish-yellow, silty sand, silty clayey sand to sandy clayey silt; locally micaceous, with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