

PROJECT DESCRIPTION

Sowing Seeds Academy will be constructed as an innovative Net Zero Energy elementary school in Oxford, Ohio to replace an outdated building that has served the district for over 50 years. As other schools in the area are revitalized, the students and community recognize it's time to do the same. Sowing Seeds will serve 400 students, pre-K through 5th grade. In addition to meeting the competition's minimum EUI requirement, the school will use Passive House Institute US +2018 standards and strategies to further minimize energy demands.

The main focus of the design is on teaching sustainability and connecting students with nature. Within the context of the ten contests, our team is also focused on retrofitting an existing gym to zero energy requirements, the durability of materials and systems as they relate to resilience, community access, universally accessible design, and adaptable classrooms. In order to invite cooperative interaction with the community, our master plan for the site includes a new, innovative zero energy attached housing neighborhood adjacent to the school for mixed-income families called Harvest Village which has been designed by Team New Ruralists from Miami University.

Through the use of energy efficient strategies on display, the students will be active participants in the unique ecosystems on site. This school aims to develop an appreciation and a sense of responsibility for the environment at an early age, thus sowing the seeds for future generations focused on sustainability.

BASE INFORMATION

Location	Oxford, Ohio
Zone	5A
Elevation	928'
Lot size	12 Acres
Classrooms	20
Bathrooms	8
Total SF	59,000 sf
Occupancy	450 (400 preK-5th)
Stories	2

5A

SOWING SEEDS ACADEMY PROPOSAL

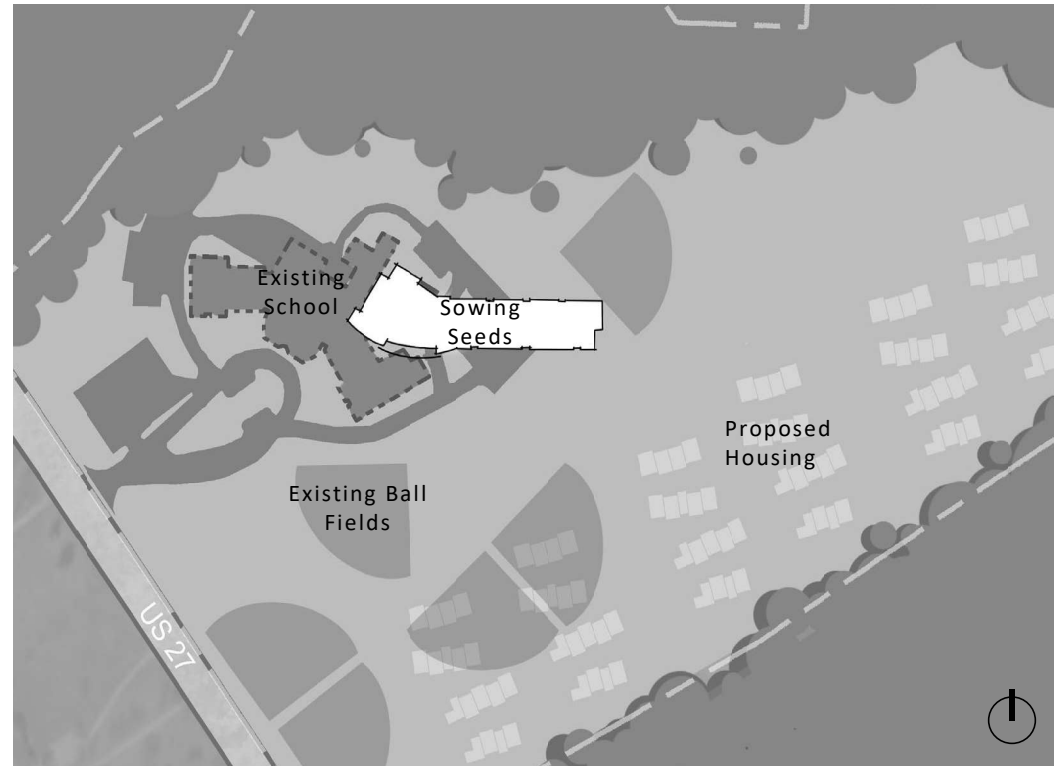


Fig. 3: Old to New

“If you are thinking a year ahead, sow seeds.
 If you are thinking ten years ahead, plant trees.
 if you are thinking 100 years ahead, educate the people.”
 -Confucius

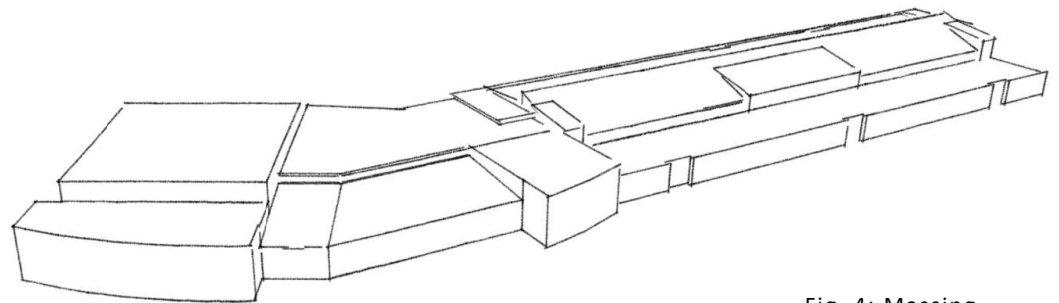


Fig. 4: Massing