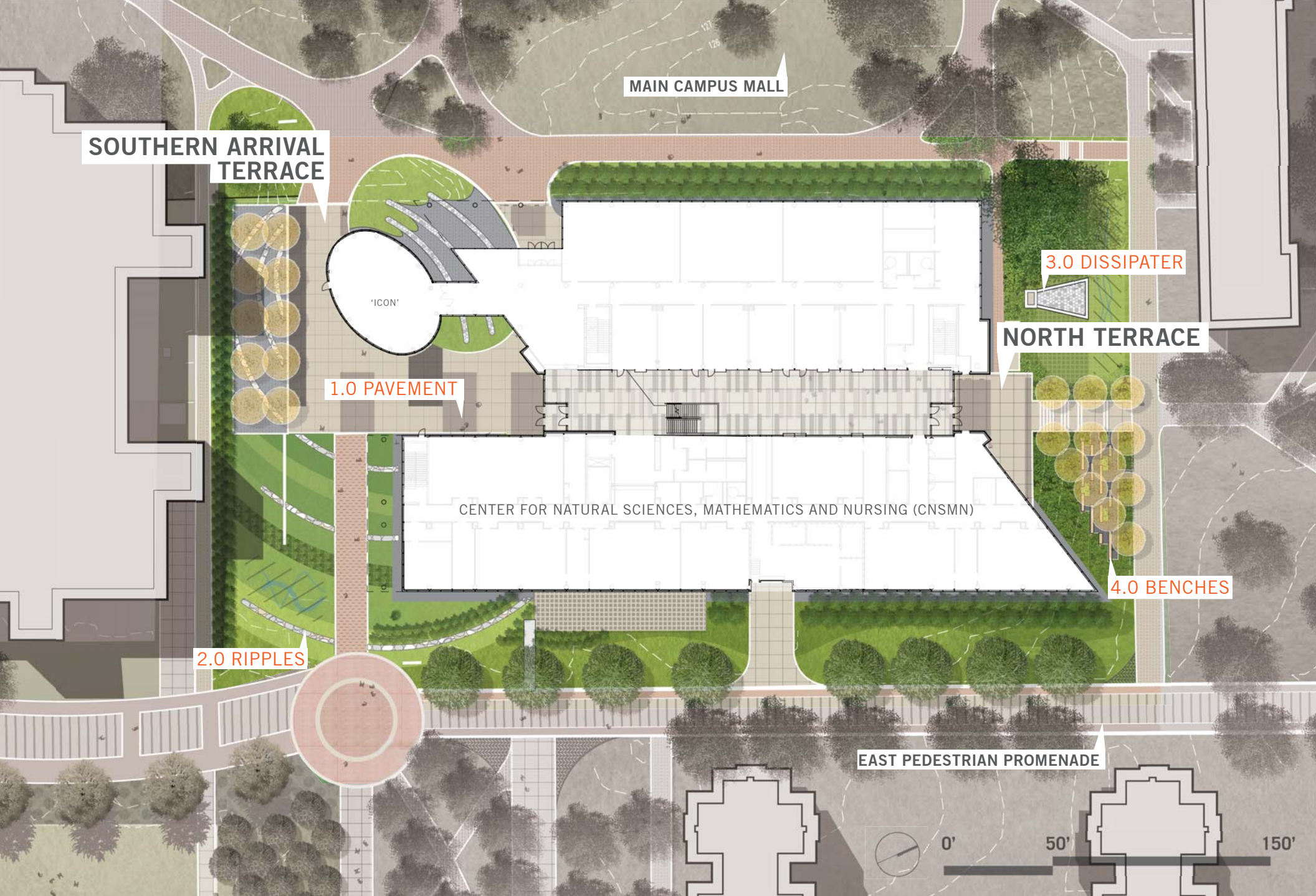


CENTER FOR NATURAL SCIENCES, MATHEMATICS & NURSING (CNSMN)

BOWIE, MARYLAND

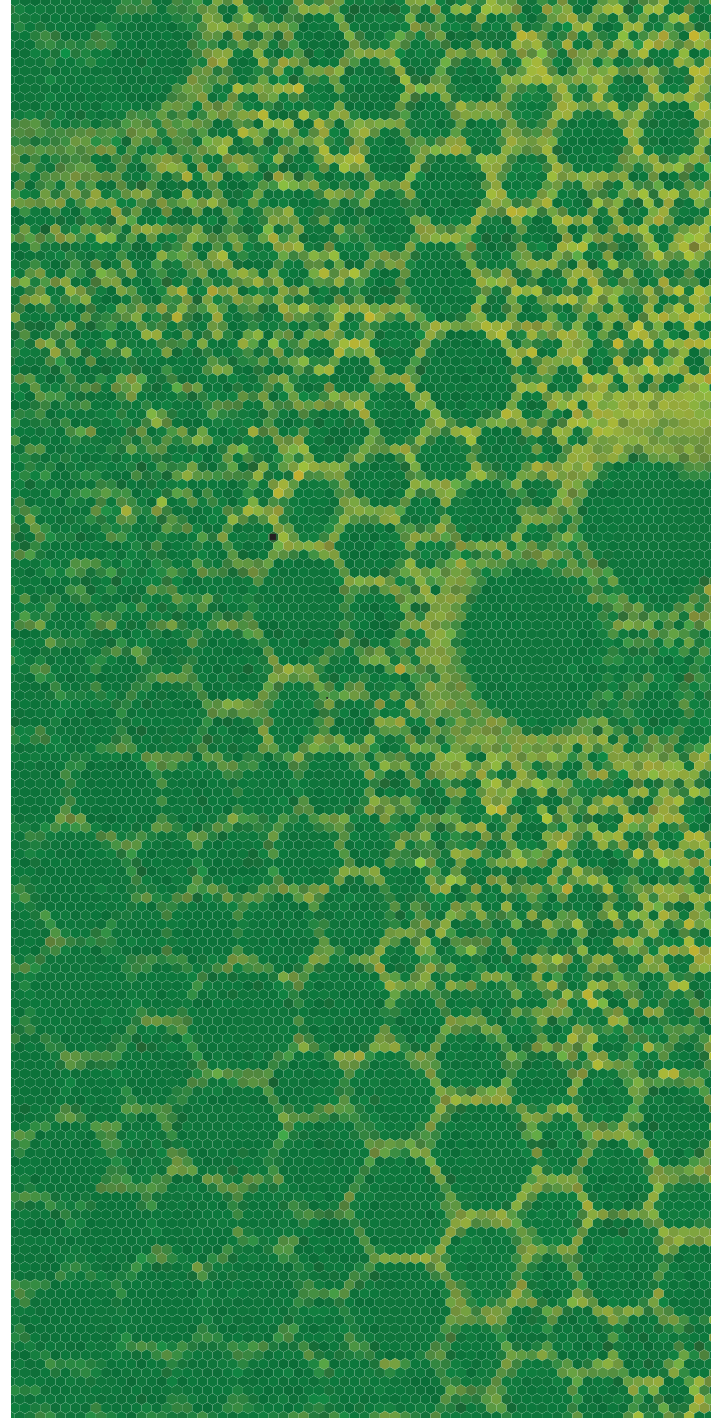
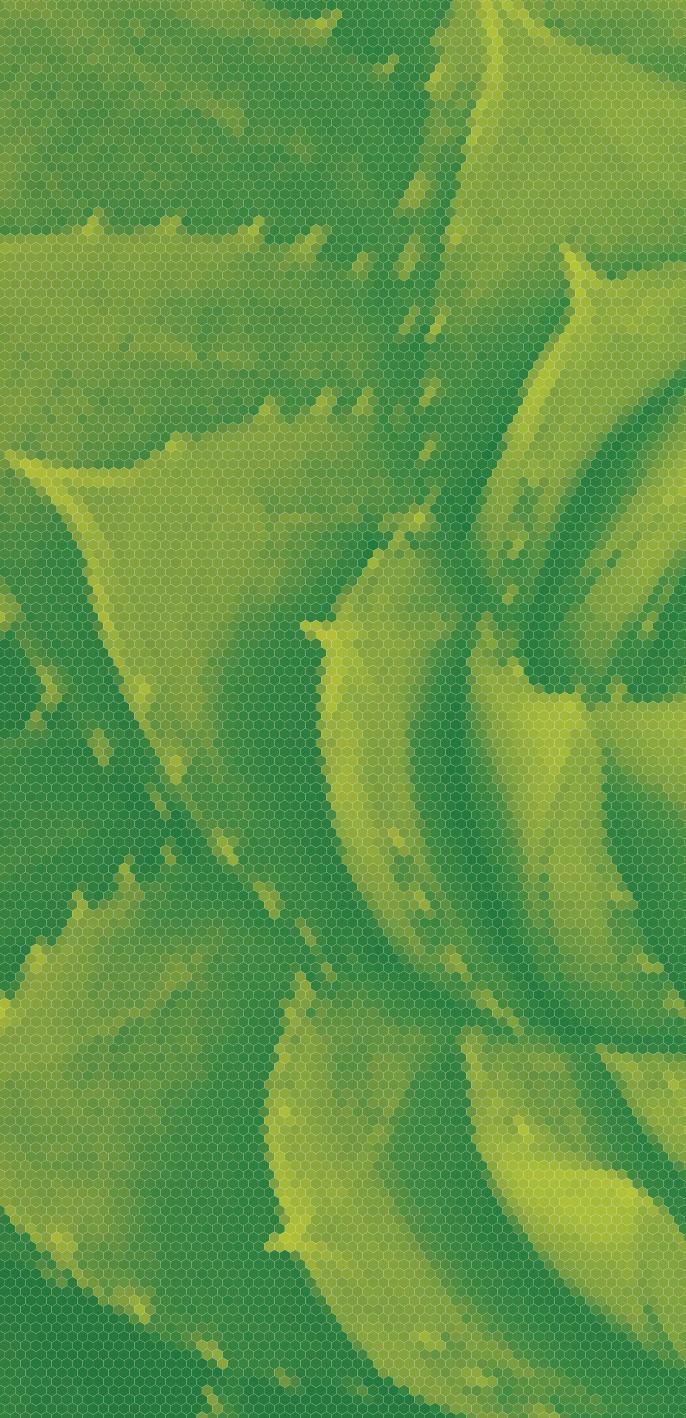




SITE PLAN

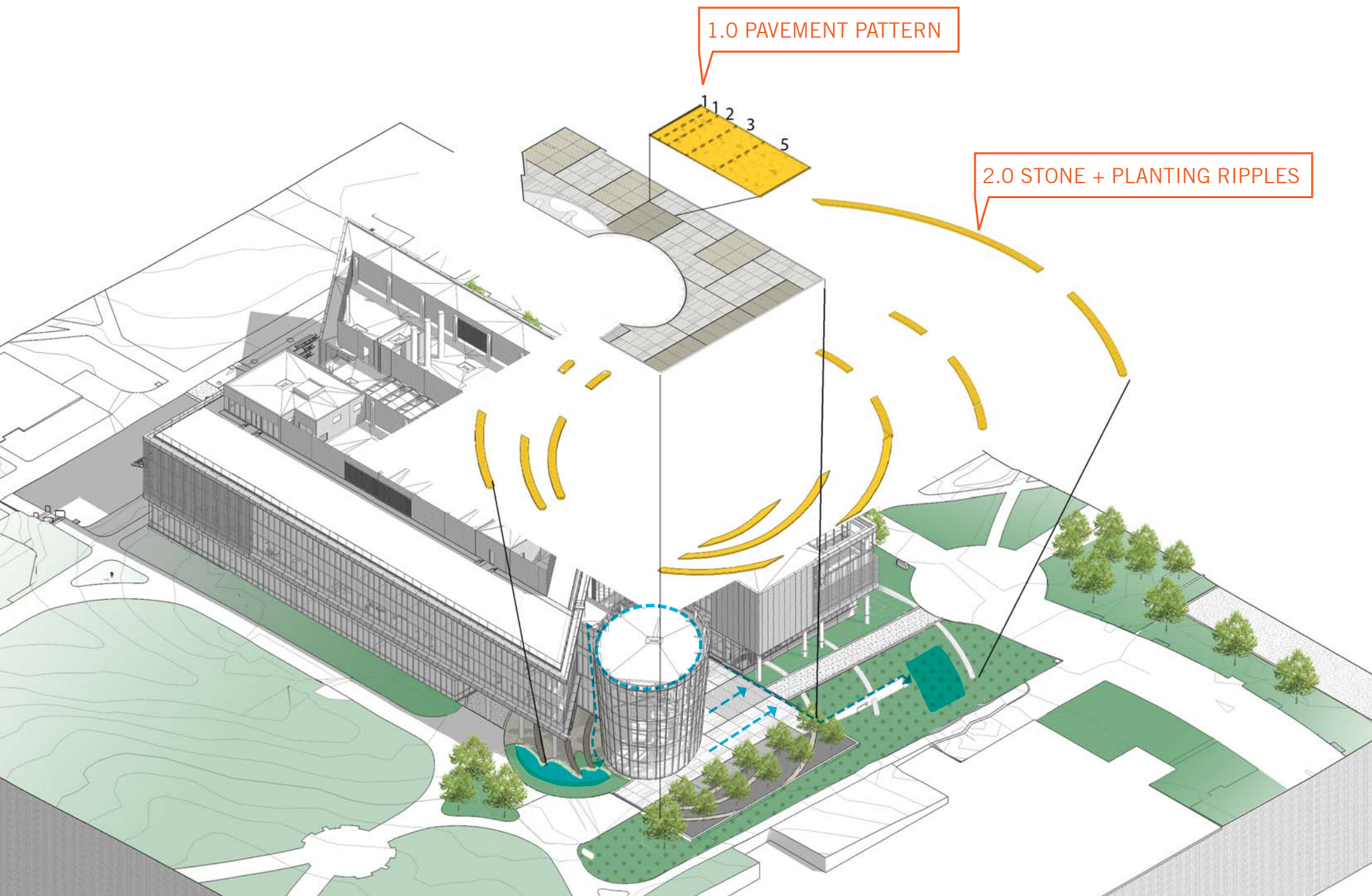
The CNSMN site sits at the center of campus, enhancing vital circulation patterns through expression of elements from the math and science curriculum taught within the building.

Center for Natural Sciences, Mathematics and Nursing (CNSMN)



CONCEPT INSPIRATION

The Fibonacci sequence is a mathematical sequence found in numerous permutations in nature, including in estuary forms, ripples in water, and plant branching.



CONCEPT EXPRESSION

At the **SOUTHERN ARRIVAL TERRACE**, the Fibonacci sequence is expressed in the pavement pattern of the plaza and the planting and stone ripples emanating from the “icon” tower.

Center for Natural Sciences, Mathematics and Nursing (CNSMN)



2.0 STONE + PLANTING RIPPLES

Center for Natural Sciences, Mathematics and Nursing (CNSMN)

A scupper wall channels stormwater to a mix of drought-tolerant and water-tolerant plantings, which fill out the planting ripples through the stormwater detention area.



1.0 PAVEMENT PATTERN

Subtle scoring patterns in the concrete of the South Terrace incorporate the Fibonacci sequence, which is then carried inside through the atrium space of the building and on to the North Terrace.

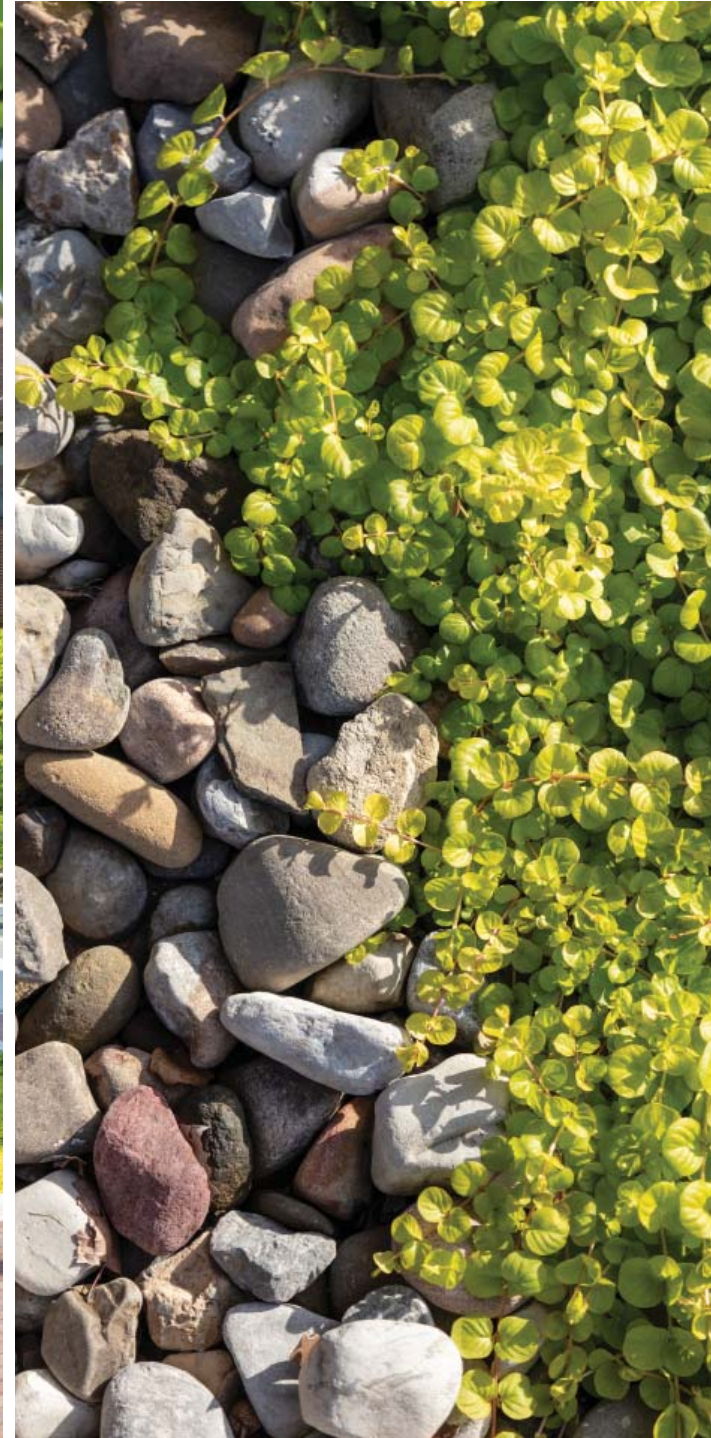
Center for Natural Sciences, Mathematics and Nursing (CNSMN)



2.0 STONE + PLANTING RIPPLES

Stone ripples take multiple forms - seen here in a flat application within a larger crushed stone area which is used as flexible function space.

Center for Natural Sciences, Mathematics and Nursing (CNSMN)



2.0 STONE + PLANTING RIPPLES

Stone ripples emanate from the oval “icon” portion of the CNSMN building and provide juxtapositions between plantings and stone bands to create the ripple pattern.

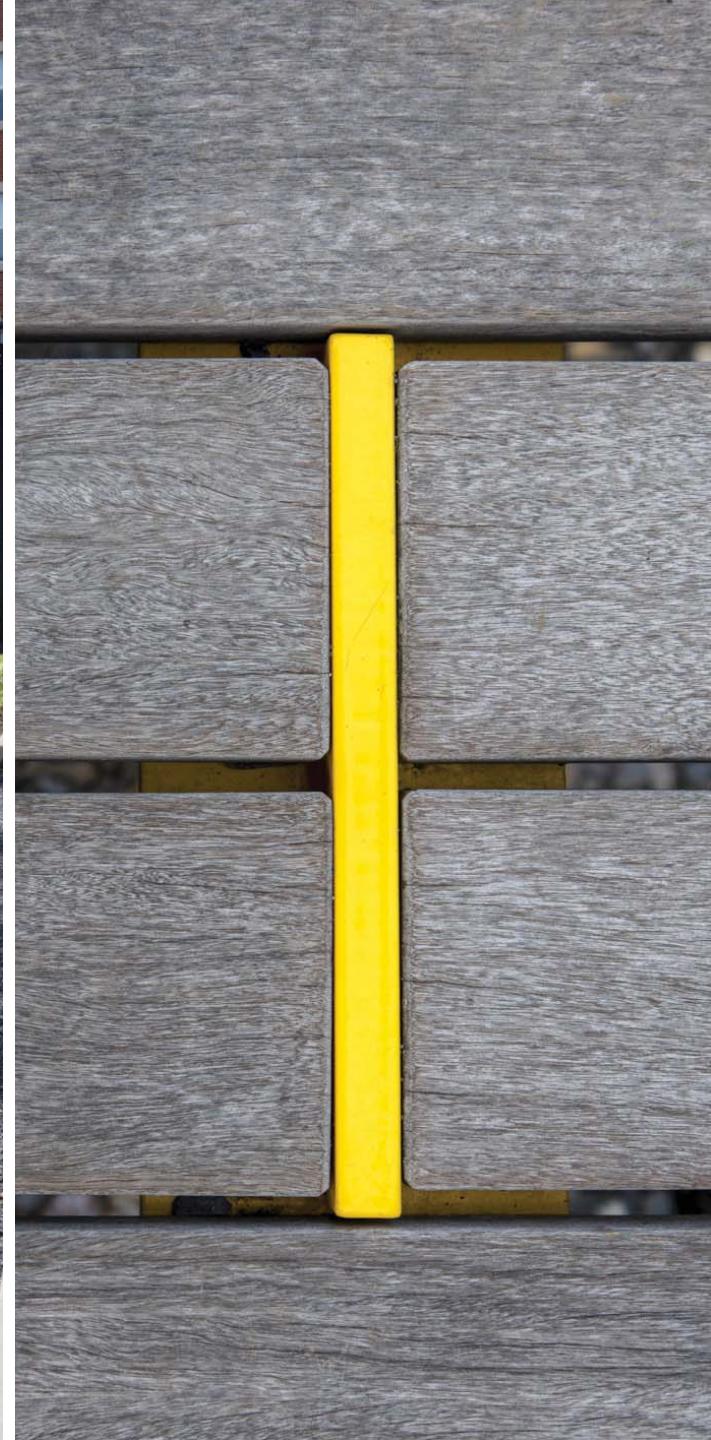
Center for Natural Sciences, Mathematics and Nursing (CNSMN)



3.0 STORMWATER DISSIPATER

The stormwater dissipater features vertical fins that break the momentum of roof runoff while mimicking the nearby estuaries in form.

Center for Natural Sciences, Mathematics and Nursing (CNSMN)



4.0 BENCH SUPPORTS

The benches, which feature steel supports that reveal themselves on the seating surface, are grouped together to provide space for both casual gathering and an outdoor classroom.

Center for Natural Sciences, Mathematics and Nursing (CNSMN)



4.0 BENCH SUPPORTS

The bench grouping provides for synergistic use with the open turf area across the sidewalk, which is often used for student group gatherings.

Center for Natural Sciences, Mathematics and Nursing (CNSMN)



4.0 BENCH SUPPORTS

Lighting at the base of each support highlights these structures as well as the mathematical sequences embedded in them at night.

Center for Natural Sciences, Mathematics and Nursing (CNSMN)