AFFINITY
Procedural Generation to Enhance Schiestraat 11 in Rotterdam

ALCH ARCHITECTS

Renders

Urban Plan 1:2000

Car Parking
Bike Parking
Entrance
Communal Space
Elderly (Assisted)
Elderly (Independent)
Starters Housing

Students Shared
Students Studio
Gym
Cafe + Coworking
Care Centre
Laundry

Supermarket
Cafeteria
Water Tank
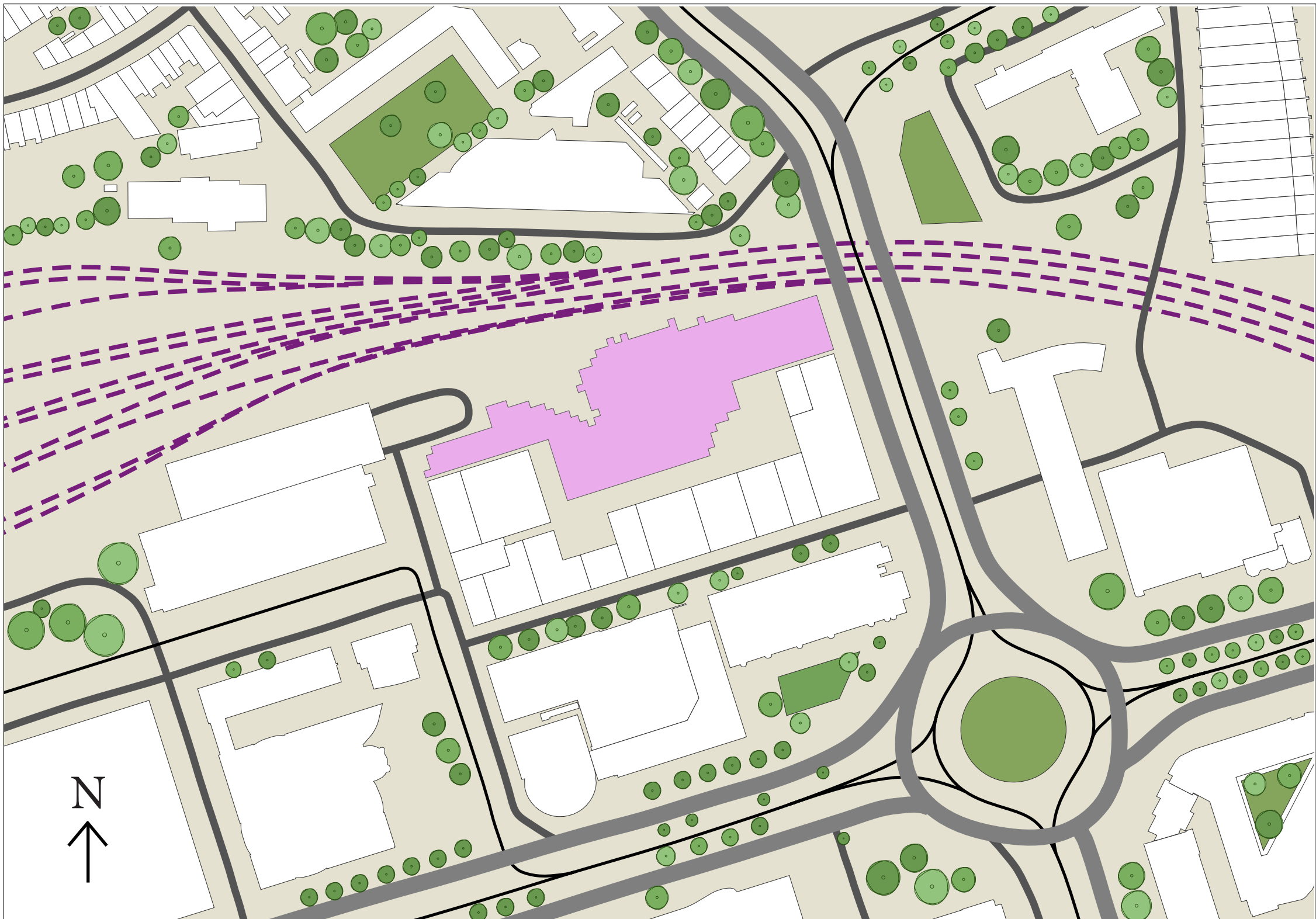
Project Overview

To expand the current Schieblock in Rotterdam, we make use of procedural design to implement a new community-orientated sustainable building. Our proposed building, AFFINITY, will provide 400 homes for students, 200 homes for elderly, and 200 homes for starter families. Through publicly accessible facilities, like a gym, supermarket, or cafe, our building expands upon the idea of a community gathering point of the current Schieblock.

To optimize the our project has four main goals:
1. Integrating Community
2. Enhancing Sustainability
3. Maximizing the Sunlight to all Functions
4. Minimizing Noise Pollution
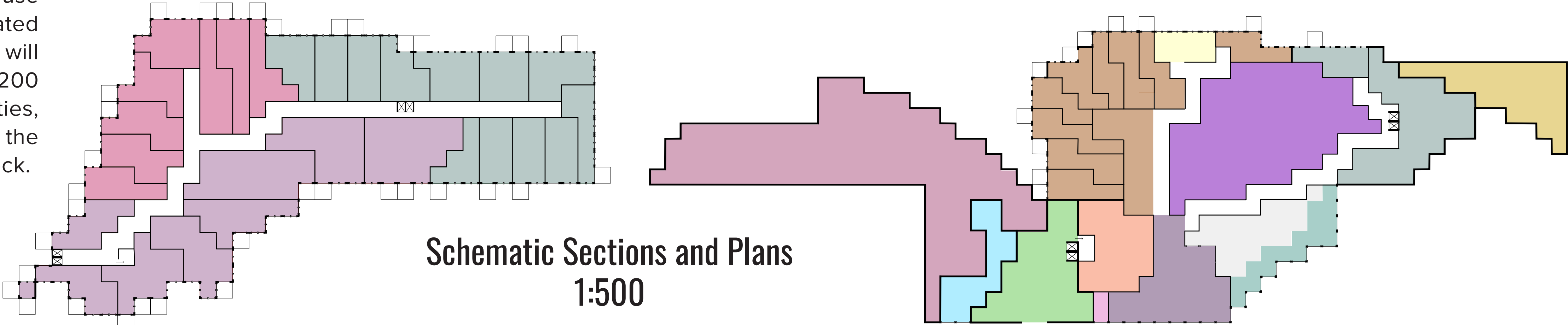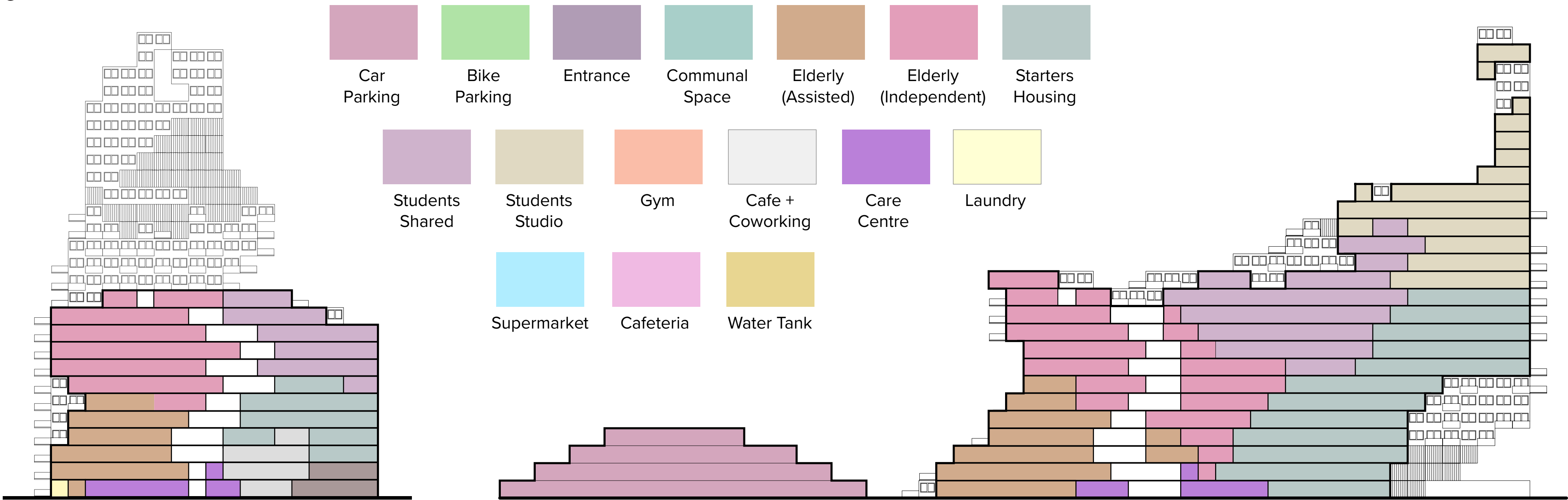
Schematic Sections and Plans 1:500