

OVERVIEW

The northside residents redevelopment council is a neighborhood organization created to help the residents of the near north and willard neighborhoods in North Minneapolis improve their quality of life.

The northside residents redevelopment council in collaboration with enviro-tech construction is going to build 20 new Single-Family homes on empty lots acquired from the city of minneapolis. Each of the lots resides in the NRRC zone. Our goal with this particular project is to design and build homes that align with the aesthetic of Existing northside architecture while modernizing them to meet the needs of 21st century homebuyers. These homes will maximize energy efficiency through innovative design strategies whilemaking all homes technologically compatible, with standard security features and upgrade options for homebuyers. With these 20 homes will create a new standard for northside housing design while providing the homebuyer with an amazing home that is affordable.

Criteria for success
Affordability: It is able to be purchased by the residents of the community.
Environmentally Sustainability: It encourages sustainable lives.
Aesthetic: It is innovative but not an eyesore; not blending, but fitting in.

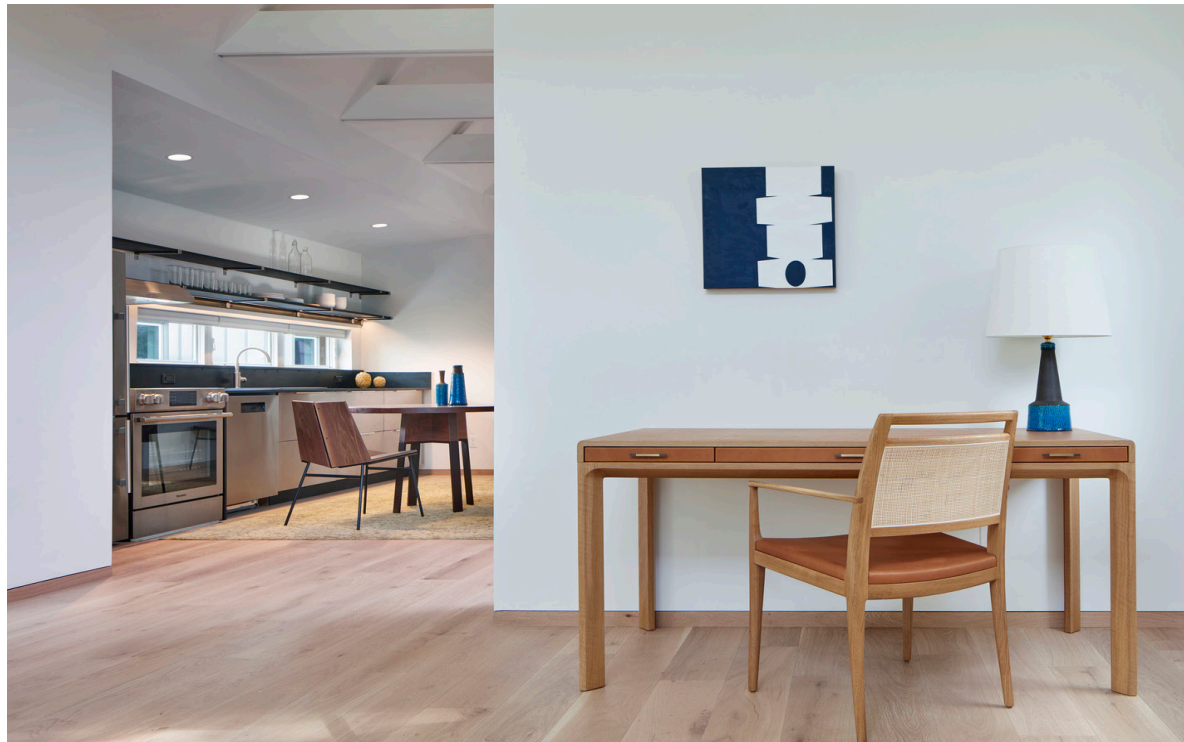
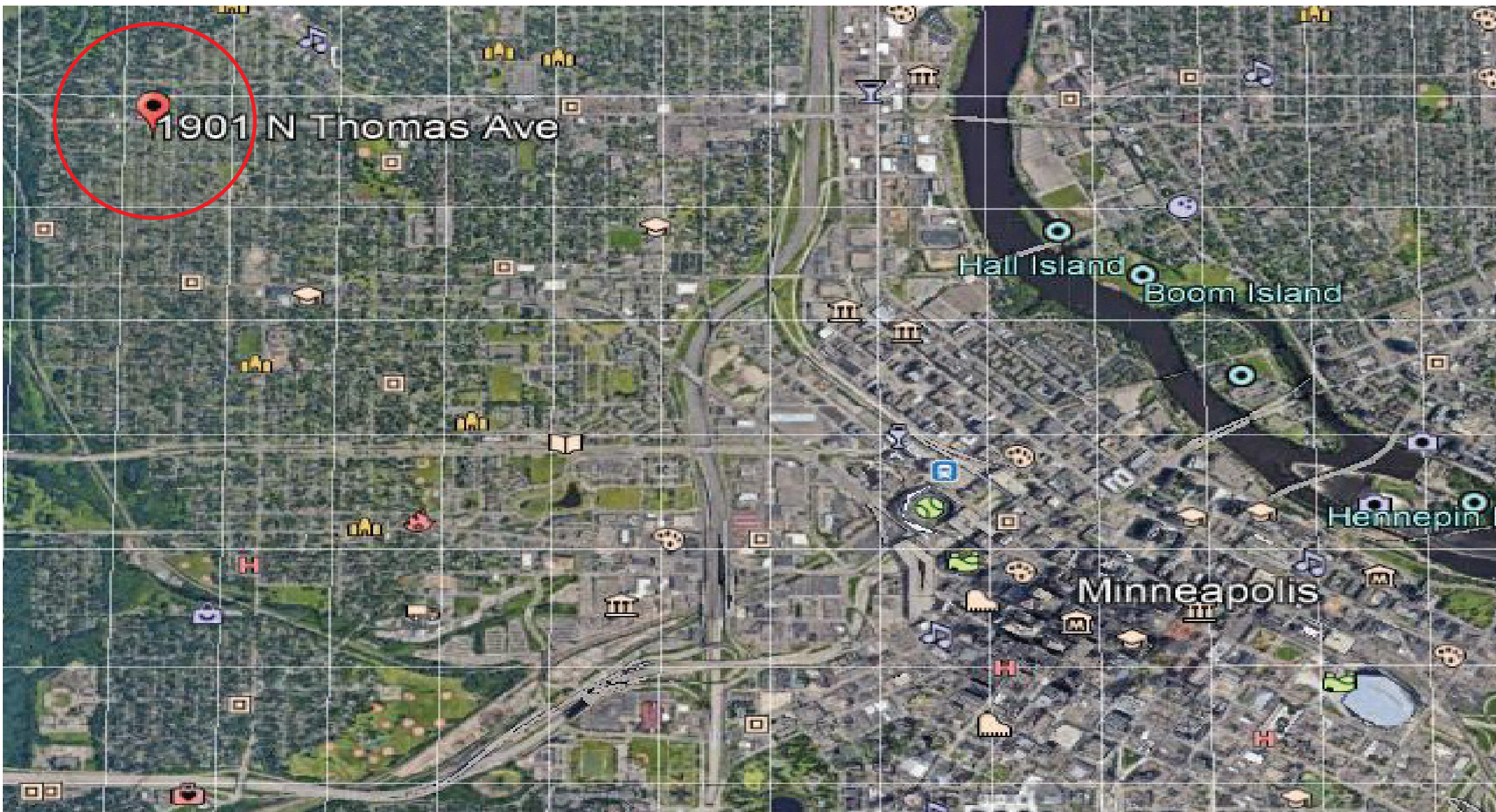
Qualities
Natural materials
Contemporary/ mid-century influence
Durable
NRRC Design criteria
Intentional streetscape

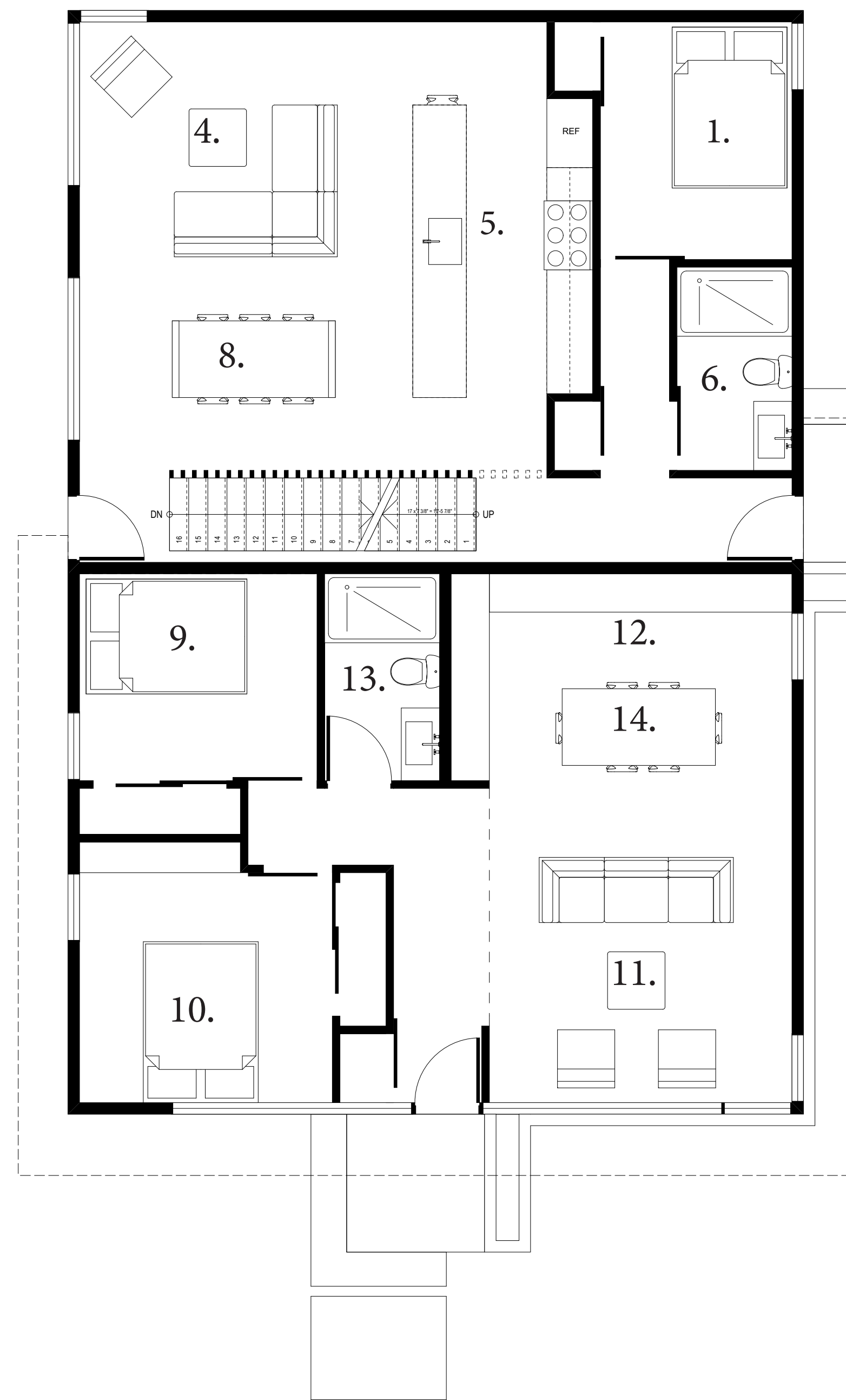
Quantities
Budget: \$250,000 (?)
Size: approx. 2,400 SF
Energy efficient
Solar energy: active and passive
On-site water retention



1901 N THOMAS AVE MINNEAPOLIS, MN 55411

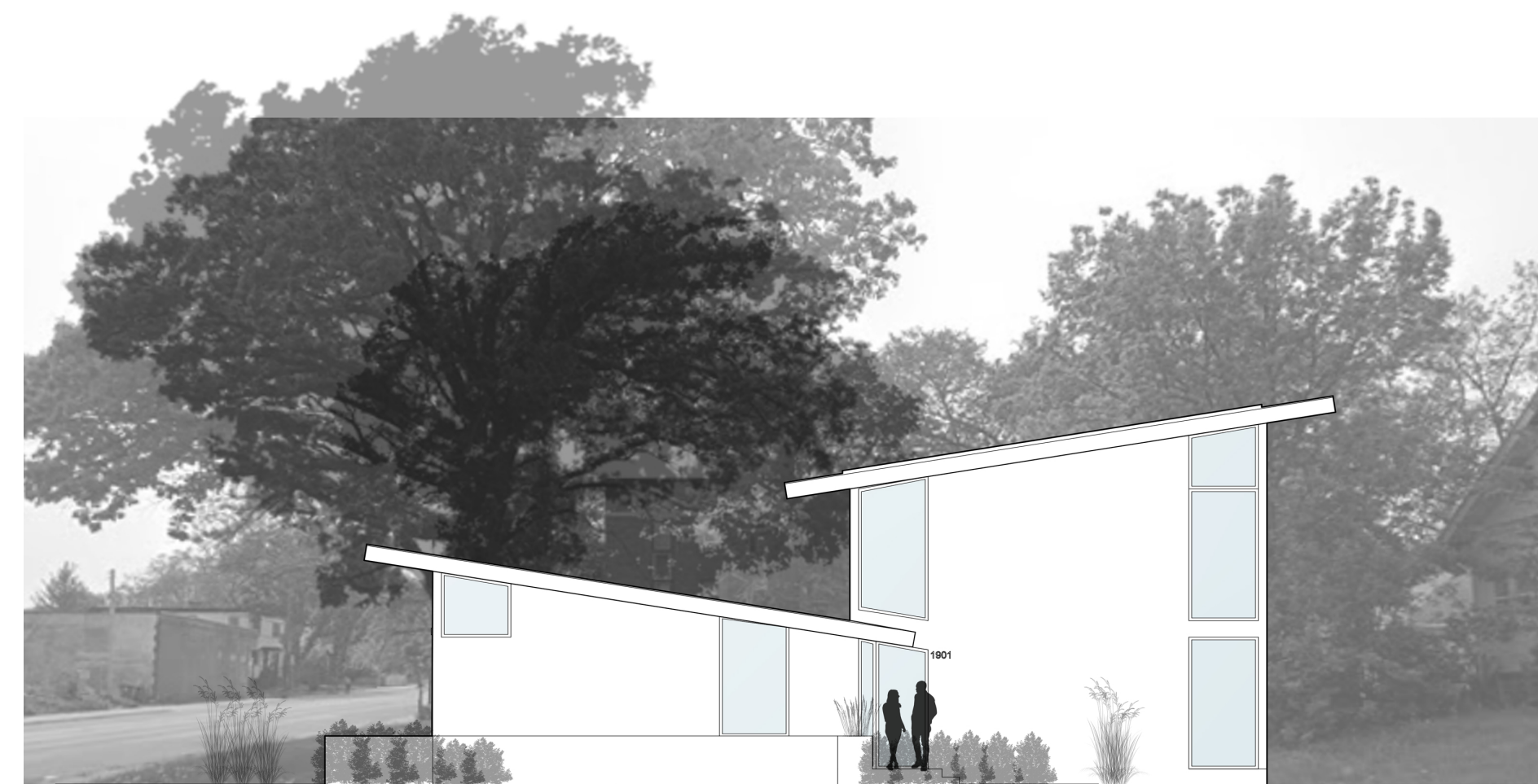
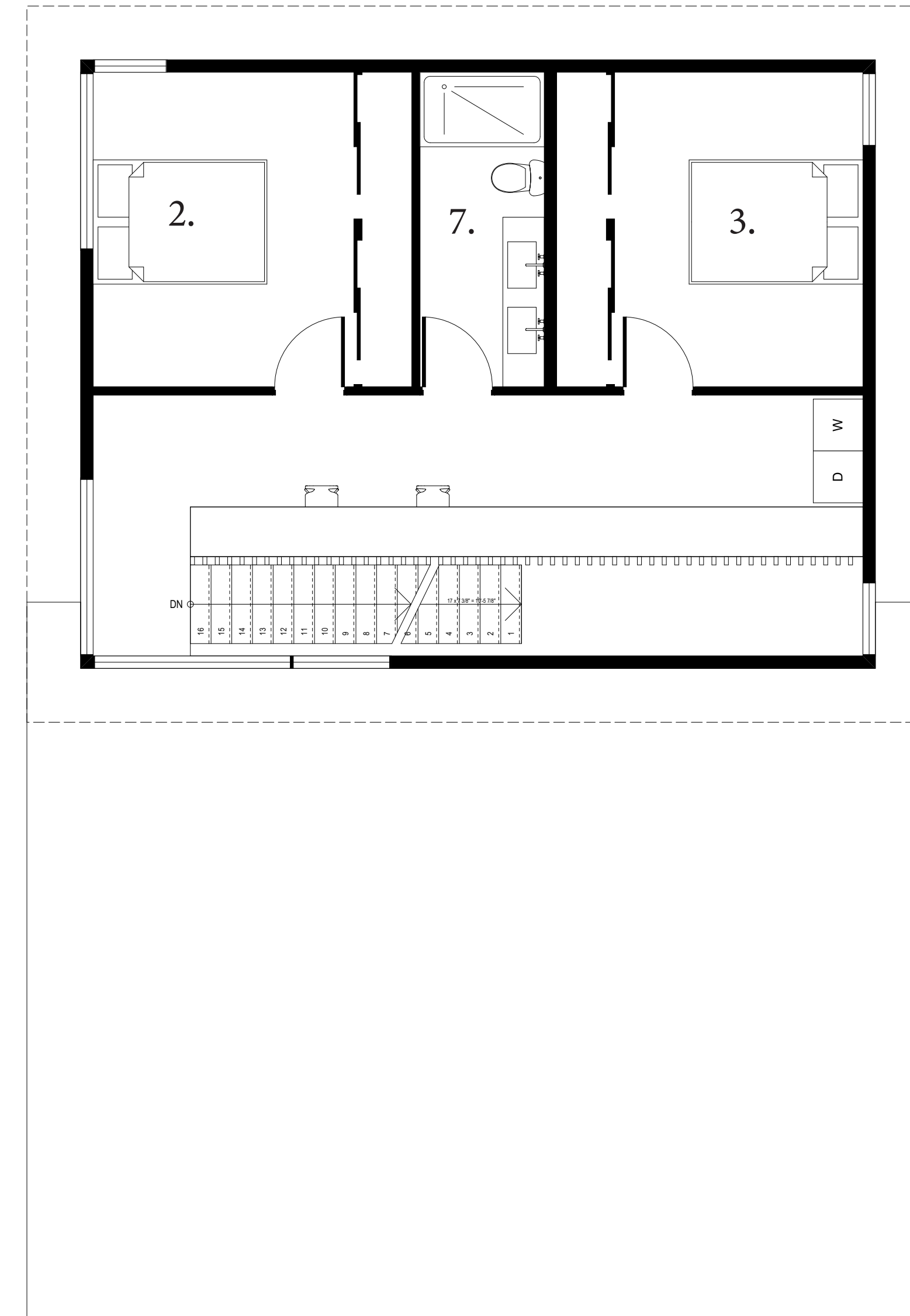
The site is located in the willard-hay neighborhood of north minneapolis, on the corner of golden valley road and north thomas avenue. There are (2) existing large oak trees, which will be preserved in the new development. It is a corner lot, facing both of the cross-streets. We are creating entries at both of these front, one for each unit. Existing between a number of multi-story brownstone buildings and a residential neighborhood, we looked to find a compromise between the two. This duplex is innovative and modern, while still fitting into the existing residential landscape.





- 3 BED 2 BATH**
- 1. BEDROOM 1
 - 2. BEDROOM 2
 - 3. BEDROOM 3
 - 4. LIVING ROOM
 - 5. KITCHEN
 - 6. BATHROOM 1
 - 7. BATHROOM 2
 - 8. DINING ROOM

- 2 BED 1 BATH**
- 9. BEDROOM 1
 - 10. BEDROOM 2
 - 11. LIVING ROOM
 - 12. KITCHEN
 - 13. BATHROOM
 - 14. DINING ROOM



This design is for a duplex with one (3) bedroom (2) bath unit and one (2) bedroom (1) bath unit, along with a (2) car garage. These units are aimed towards young professionals who are looking to purchase equity in North Minneapolis, with the intention that they will purchase the duplex and have the opportunity to gain income from renting the other unit.



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Solar Energy

This design takes advantage of both passive and active solar energy. It provides a shed roof to maximize the roof area for solar panels, providing active solar energy for the residency. In addition, each unit's East-West orientation utilizes south-facing windows to provide passive solar heating.



Water Strategy

The shed roofs are designed to capture and retain rainwater into an on-site cistern to prevent runoff. This water is repurposed as greywater inside of the duplex units.