CHRONICALLY SUSTAINABLE

LONG TERM RESPITE CARE SCALE 1" = 10'

CREATING A SUSTAINABLE COMMUNITY FOR THE CHRONICALLY ILL

Illness and death are often taboo topics that aren't appropriate for everyday conversations which can make living life with a chronic illness extremely alienating and lonely. For the loved ones of those with a chronic illness, life can be just as isolated due to lack of support from others and lack of community with those that truly understand. Life can be isolating not being able to openly discuss their experiences with others. In recent years, people have begun to find others online that understand their struggles but what if there was a place that one could be surrounded by people that understood?

A community that was designed for just the chronically ill and their families.

Located outside of Phoenix, Arizona within the Sonoran Desert, this project focuses on the ability to create a sustainable community that caters to a demographic that has struggled to find the community and support they need. This two-part thesis master plans a community that serves the needs of those with a chronic illness and their families as well as design the respite care that will help them live fuller lives.

FAMILY HOUSES 2-3 BEDROOM HOMES PLAYGROUND

STARTER HOUSES

1-2 BEDROOM HOMES
NEIGHBORHOOD PARK

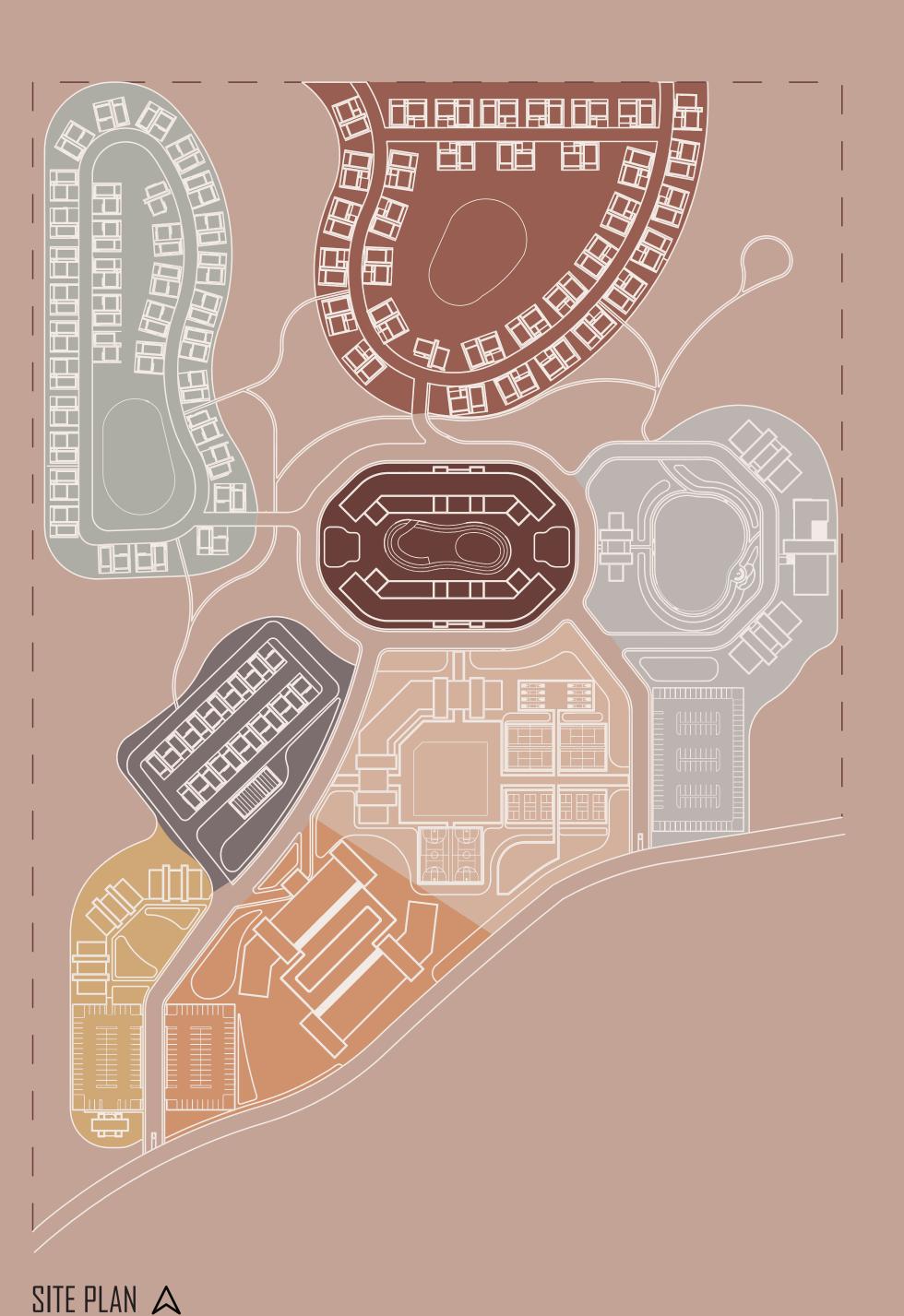
TOWNHOUSES 1 BEDROOM HOMES

SHARED YARDS

BUSINESS CENTER

SCALE 1" = 200'

LOCAL SHOPS MARKET



RESPITE CARE

SHORT TERM LONGER TERM

THLETIC CENTE

PHYSICAL THERAPY
FITNESS CLASSES

COMMUNITY CENTER LEISURE POOL

COMMUNITY CLASSES

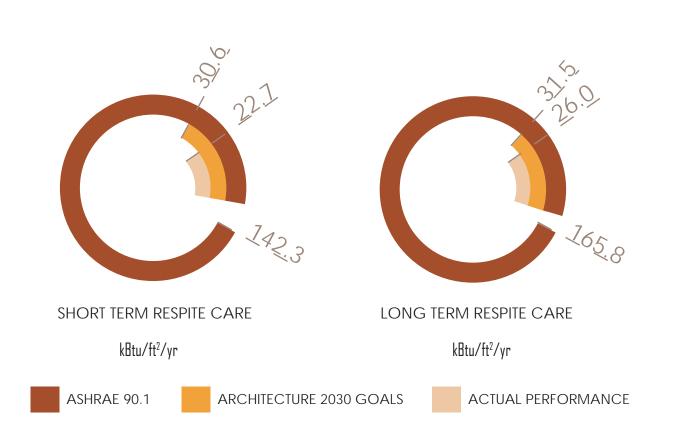
MEDICAL CLINIC

DOCTOR OFFICE
COUNSELING CENTER

SHORT TERM RESPITE CARE SCALE "- 10"

DESIGNING FOR CHRONIC ILLNESS

While every chronic illness comes with its own physical symptoms that effects one's daily life differently, every person with a severe chronic illness knows that sometimes physical pain isn't the worst part of a chronic illness. Living with a chronic illness is isolating with few people that truly understand what it is like to manage an illness that will never be cured. This project seeks to serve all needs of those with a chronic illness with a focus on their emotional and social need for a community that understands. This is done with shared community resources and family style respite care.



ENERGY USAGE

As a community focused on sustainability in a climate that requires large quantities of energy to cool spaces, energy consumption is a major concern in this design. To create spaces that minimize energy consumption, energy modeling was used to determine the shape, orientation, and wall types of both respite care buildings. Using these calculations to influence the building design led to both respite care buildings exceeding Architecture 2030 Goals for energy consumption.

DESIGN STRATEGIES SUSTAINABILITY 1 BIOPHI IC DESIGN 3 TIBBILAR DAY IGHTING 5 HIGHTHERMAL MASS WAILS 2 OPERABLE WINDOWS 4 SOLAR ENERGY 6 RECESSED WINDOWS CHRONIC ILLNESS 1 CONTROLED NATURAL LIGHT 2 COMM.INTY FOCUSED CARE 3 ACCESS 10 NATURAL VENTILATION









