

**Master Plan**

The master plan shows that the houses are built in strategic locations in order to give them a sense of privacy and quiet. The pools, volleyball court, climbing tower and ropes course are in an area designated for high activity. This area is separated from housing by trees in order to lessen the noise and screen activities from other areas of the property. The conference center has a breezeway connecting from the kitchen to the dining hall as it would in colonial times. This theme goes along with the colonial-style landscape in front of the Main House.

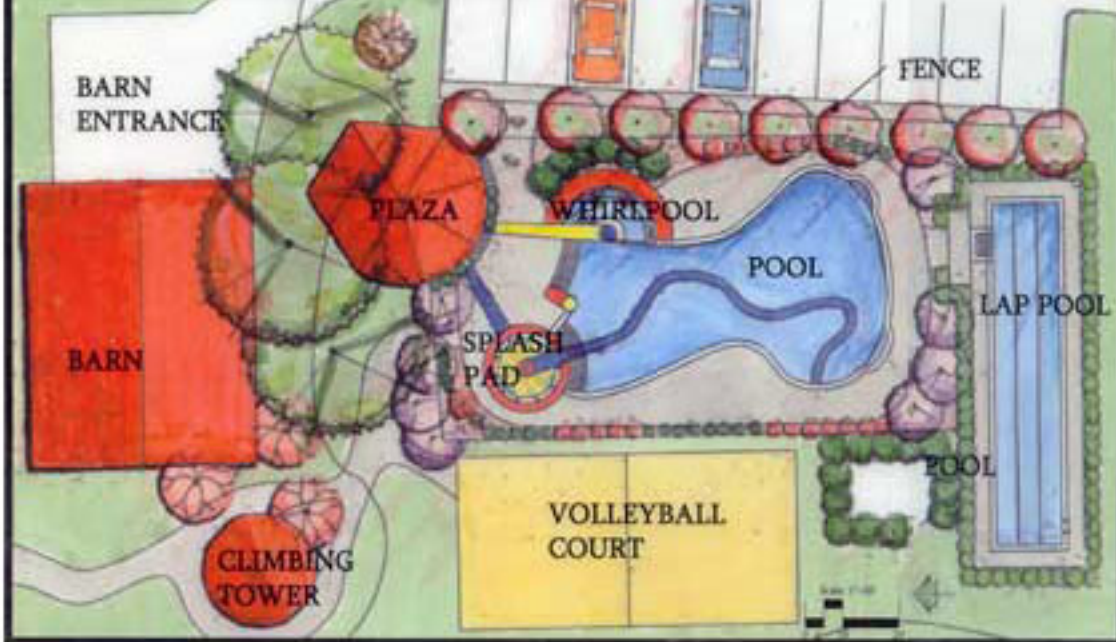
The conference center also leads to the labyrinth and even to the healing gardens on the other side.

The pond is located off the dining hall to provide a scenic view. Walkers and joggers can also enjoy the pond as it provides a trail around the circumference of the pond. A gazebo is set on one side of the pond for those interested in relaxing by the water while a pier is on the other for anyone who might like to fish.

In addition, the property allows participants to take the northeast road to the horse stables. The front pasture is planted with native grasses and wildflowers, for easy maintenance.



**Detail of Recreational Area**



**Section/Elevation A-A**



**Detail of Recreational Area**

The Detail of the recreational area shows that the property consists of a lap pool, a recreational pool, as well as a splash pad and whirlpool. Next to the pool is a volleyball court and to the right, a pump station for the pools and splash pad. The climbing tower is in the shape of a silo to create a sense of place next to the barn. Also, the plaza next to the pool serves as a central location with grills, picnic tables and restrooms.



# ARKWINGS WELLNESS CENTER

## Introduction

The site used for my project was owned by my great grandparents in the 1920s. They lived on this property for the final years of their lives. In the time that they lived there, they set up the property to be given to Southern Baptist Ministries as a 501C3., making the property non-profitable. In 1996 the property was deeded to First Baptist Church of Memphis, TN, in hopes to make it a multi-ministry conference and recreational center. The church named the property Oakcrest. As First Baptist Church uses the property on occasion, they do not see the full potential of the property.

Today First Baptist Church is looking to deed the property to a wellness program known as Arkwings LLC. This program is based on a unique, systematic model of wellness that teaches and practices mind, body, and, spiritual health and fitness through a comprehensive experience-based program. Arkwings is looking to take Oakcrest to new heights through restoring and improving the site.

## Project Goal

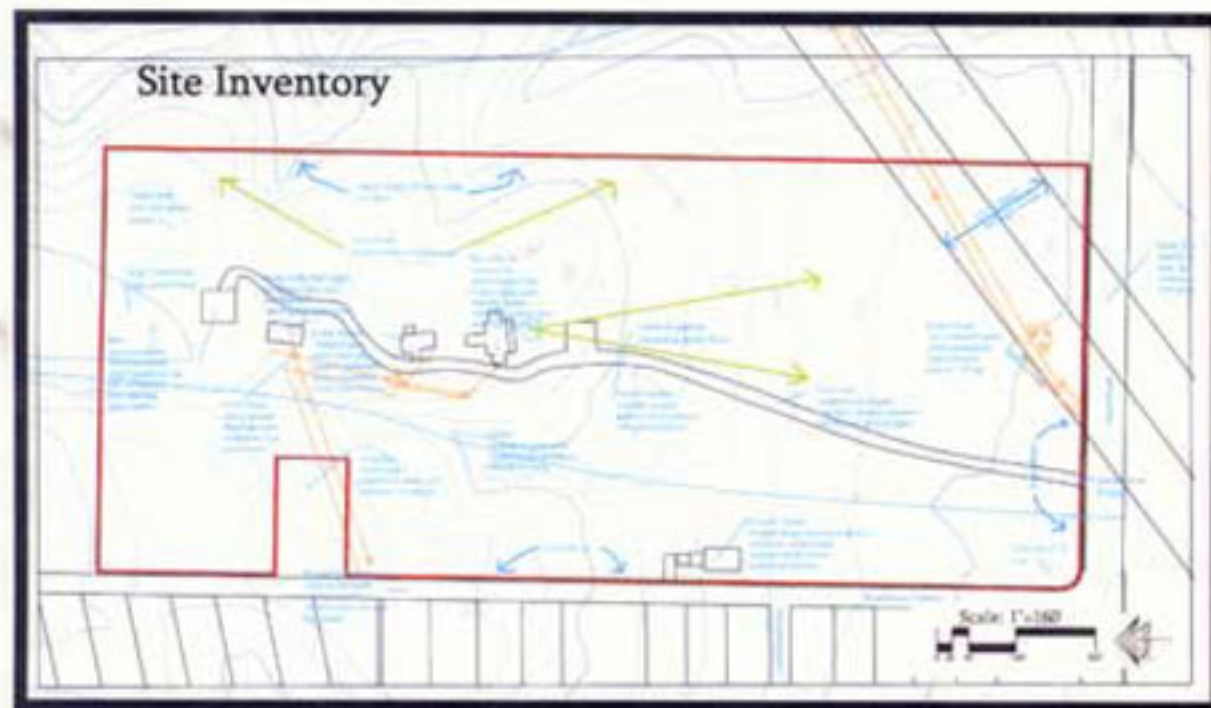
- Restore and improve Oakcrest for use as a Wellness Retreat Center.

## Project Objectives

- Master plan housing for up to 40 guests, drives, parking lots, gardens, and water features to fit the historical style of the main house.
- Suggest an ideal location for ropes course and climbing tower.
- Design a recreational area that includes a recreational lap, and whirlpool along with outdoor showers, an intramural playing field, and plaza.
- Locate and design a pond that includes walking and running trail.
- Design a planting plan for the recreational area and main house
- Suggest location for healing gardens and labyrinth.

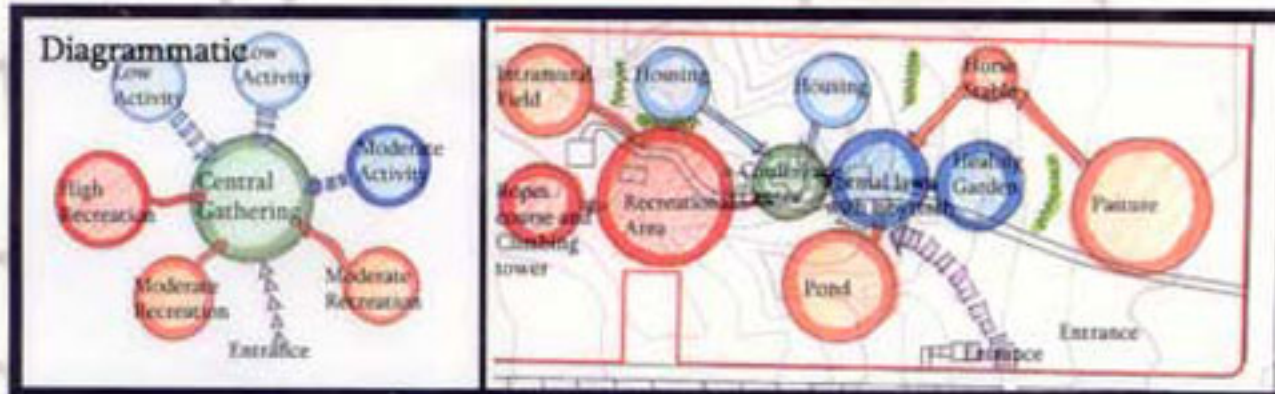
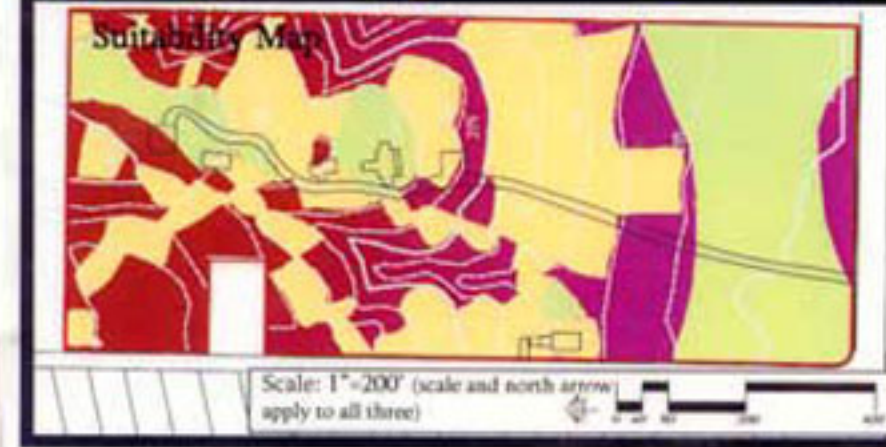
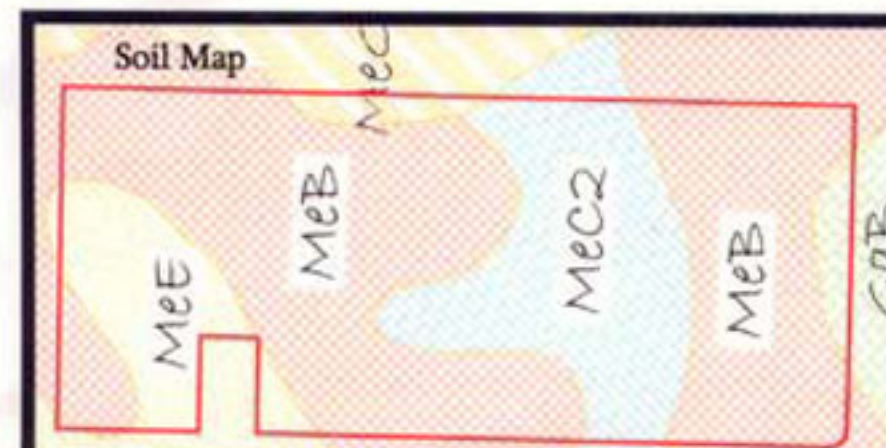
## Research

Research information for the site was obtained by records by the church and City Hall. This information from the church included property boundaries, floor plans of the existing housing, deeds to the property. The information from City Hall included topography maps, aerial photos, and utility maps.



## Site Inventory

The Inventory site shows different views are of the site as well as noise intensities of the property. Most of the noises come from the streets on the south and west sides of the property. As you walk into the northeast portion of the property road noise begins to soften and existing hardwoods start to take over the property and the noise subsides.



## Concept

The concept of the project was to separate the high activity from the low activity zone keeping them separate but easy to switch. In case additional houses are built, the property is set up to where they can be built near less intense activities and therefore allow for more quiet and less noise.

**Memphis silt loam, 12 to 20 percent slopes (MeE)**  
- This is a deep, well-drained soil that has short slopes. The plow layer is brown, friable silt loam that is a mixture of the original surface layer and the subsoil.

**Memphis silt loam, 2 to 5 percent slopes (MeB)**  
- This is a deep, well-drained soil on broad tops of low-lying hills.

**Memphis silt loam, 5 to 8 percent slopes, eroded (MeC2)**  
- This is a deep, well-drained soil that formed in loess 5 to 80 feet thick. It occurs as scattered tracts 5 to 50 acres in size in the central part of the county.

**Soils that surround the site**  
- Memphis silt loam, 8 to 12 percent slopes, eroded (MeD2), Memphis silt loam, 30 to 65 percent slopes (MeG), Grenada silt loam 2 to 5 percent slopes (GaB), Graded land, silty materials (Gr), Falaya silt loam (Fm).

## Analysis

The focus of the analysis stage of the project was based on ideal locations for new development. The site is located along a ridge which created most of the suitable areas along the crest of the ridge.

The soils map was obtained by the Department of Agriculture in Tennessee. The soil that works best for the site is MeB because of its 2% to 5% slope, and it being a well-drained soil provides great conditions for development.

The slope analysis was done to determine which slopes were best for development. The green is the most ideal area based on a 0% to 5% slope. The blue is moderate with a 5 to 10% slope and the yellow is too steep for building at a 10% or greater slope unless extensive grading to the site is done.

The suitability map consists of the soil map being overlaid with the slope analysis. The green is best suited containing the 0% to 5% slope and the MeB soil type. The yellow is fair for building, containing the 5% to 10% slope and soil types MeE and MeC2. All other areas fall in the red zone which is not for building.

## Site Location

Oakcrest is located at 2034 James Road, Memphis, TN. The site is approximately 1/2 mile from Interstate 40 and approximately 3 miles from Interstate 55. I-40 is one of the heaviest traveled interstate systems in the United States. It stretches east to west from the Pacific coast to the Atlantic coast. I-55, which runs north to south, from Chicago to New Orleans and is a major north/south interstate system. Oakcrest is approximately 10-15 minutes from Memphis International Airport and is less than 10 minutes from downtown and from East Memphis suburbs.

