

Elizabethtown College Syllabus
FALL 2025

Architectural Design Studio I (EGR 495)

2.00 credits. Professional documentation, drawings, and oral defense of architectural designs. Registered by Instructor. Fall semester.

TIMES
Friday 2:00-3:40pm, in E273

PROFESSOR

Joseph T. Wunderlich PhD, Associate Professor of Engineering & Computer Science (*and Architecture*)
3000 students, 43 courses (Etown, Purdue, Italy, U.Del., SFSU). IBM supercomputer R&D, Hospital Robotics, San Francisco Engineering, San Diego Urban Planning, Coordinated \$100M of Hi-Tech office-park & data-center A&E in Austin and San Diego. U. Del. Ph.D. Electrical Engineering (Digital), Penn State M.Eng. Engineering Science (Computer), U. Texas BS Architectural Engineering. Also, Penn State Architectural Engineering, UCSD Urban Design, and SFSU Physics. Independent A&E.



Office: E284E-office or E273-Lab/Studio.....>
Office-phone:717-361-1295 Email: wunderjt@etown.edu
Office Hours: MONDAY 10:00-11:00am, 3:20-3:35pm WEDNESDAY 12:00-12:30pm,3:20-3:35pm FRIDAY 10:00-11:00am
[Website](#) [YouTube channel](#) [CV](#)

TEXTBOOK

Buy hardcopy on-line, or rent through "Inclusive Access" in Canvas:

Fundamentals of Building Construction
ISBN: 9781119450252 By: Edward Allen; Joseph Iano
Inclusive Access
REQUIRED BY PROF.
\$102.00
🕒 Students can change their decision to opt in or out until September 5, 2025 11:59 PM.

MATERIALS & TOOLS

I may supply you with some materials and lend you some tools, however you may very likely need to buy some materials, and a few small tools.

LEARNING OBJECTIVES

- Fundamentals of Building Materials and Construction Methods
- Architectural design that specifies sustainable materials & methods
- LEED (Leadership in Energy & Environmental Design) <https://new.usgbc.org/leed>

GRADES

80% Design-Build Projects and Presentations
20% Comprehensive Final Exam

(60-62)=D-, (63-67)=D, (68-69)=D+, (70-72)=C-, (73-77)=C, (78-79)=C+, (80-82)=B-, (83-87)=B, (88-89)=B+, (90-92)=A-, (93-100)=A
(with any fractional part rounded to the nearest integer)

with any fractional part rounded to the nearest integer

ARTIFICIAL INTELLIGENCE

"In this course, students shall give credit to AI tools whenever used, even if only to generate ideas rather than usable text or illustrations. When using AI tools on assignments, add an appendix showing (a) the entire exchange, highlighting the most relevant sections; (b) a description of precisely which AI tools were used (e.g. ChatGPT private subscription version or DALL-E free version), (c) an explanation of how the AI tools were used (e.g. to generate ideas, turns of phrase, elements of text, long stretches of text, lines of argument, pieces of evidence, maps of the conceptual territory, illustrations of key concepts, etc.); (d) an account of why AI tools were used (e.g. to save time, to surmount writer's block, to stimulate thinking, to handle mounting stress, to clarify prose, to translate text, to experiment for fun, etc.). Students shall not use AI tools during in-class examinations, or assignments unless explicitly permitted and instructed. Overall, AI tools should be used wisely and reflectively with an aim to deepen understanding of subject matter." Source: <https://ctl.utexas.edu/chatgpt-and-generative-ai-tools-sample-syllabus-policy-statements>

ACADEMIC HONESTY

Elizabethtown College Pledge of Integrity: "Elizabethtown College is a community engaged in a living and learning experience, the foundation of which is mutual trust and respect. Therefore, we will strive to behave toward one another with respect for the rights of others, and we promise to represent as our work only that which is indeed our own, refraining from all forms of lying, plagiarizing, and cheating." See Elizabethtown College Catalog, "Standards of Academic Integrity http://catalog.etown.edu/content.php?catoid=10&navoid=507#Academic_Judicial_System or Academic Integrity at Elizabethtown College. <https://www.etown.edu/offices/dean-of-students/files/academic-integrity-handbook.pdf>

COURSE OUTLINE

Recorded lectures are in my [YouTube "Architecture Lectures" Playlist](#)

NOTE: Many PowerPoints and videos will be updated until I give the lecture in class

1. STRUCTURAL DESIGN CONCEPTS [pptx](#) [pdf](#) [mp4](#) [YouTube](#)
2. FOUNDATIONS & SITEWORK [pptx](#) [pdf](#) [mp4](#) [YouTube](#)
3. WOOD #1 FUNDAMENTALS [pptx](#) [pdf](#) [mp4](#) [YouTube](#)
4. WOOD #2 HEAVY TIMBER CONSTRUCTION [pptx](#) [pdf](#) [mp4](#) [YouTube](#)
5. WOOD #3 LIGHT-FRAMING CONSTRUCTION [pdf](#)
6. "SKELETON BENEATH THE SKIN; The Bones of Barns and Farmhouses" [pptx-w/audio](#) [pdf](#) [mp4](#) [YouTube](#)
7. [Upcoming Wunderlich book on Frank Lloyd Wright](#)
8. MASONRY & CONCRETE #1 HISTORY [pdf](#) [mp4](#) [YouTube](#)
9. MASONRY & CONCRETE #2 STONE [pdf](#) [mp4](#) [YouTube](#)
10. MASONRY & CONCRETE #3 BRICK [pptx-audio](#) [pdf](#) [mp4](#) [YouTube](#)
11. MASONRY & CONCRETE #4 CONCRETE BLOCK [pptx-audio](#) [pdf](#) [mp4](#) [YouTube](#)
12. MASONRY & CONCRETE #5 CONCRETE [pptx-audio](#) [pdf](#) [mp4](#) [YouTube](#)
 - i. Site-cast concrete framing
 - ii. Precast concrete framing
13. STEEL & HIGH-RISES [pptx-audio](#) [pdf](#) [mp4](#) [YouTube](#)
 - i. Steel frame construction
 - ii. Light gauge steel frame structures
14. SHELL(Architecture) / ENVELOPE(Engineering) [pptx-audio](#) [pdf](#) [mp4](#) [YouTube](#)
 - i. Roofing
 - ii. Glass
 - iii. Windows and doors
 - iv. Cladding with masonry and concrete
 - v. Cladding with metal and glass
15. INTERIORS [pptx-audio](#) [pdf](#) [mp4](#) [YouTube](#)
 - Sequencing all interior finishes
 - Interior walls and partitions
 - Finish ceilings and floors

SCHOOL CLOSURE / CLASS CANCELCATION

Additional work will be assigned to cover any class cancellation; See announcements/assignments on Canvas

ACADEMIC CALENDAR & FINAL EXAM SCHEDULE

On the Registration and Records website: <https://www.etown.edu/offices/registration-records/calendar-OnCampus.aspx>

RESPECT FOR DIVERSITY

It is my intent that students from all backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength, and benefit. I also intend to present materials and activities that respect diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Please let me know if there are ways to further serve the diverse needs you or other students may have.

RELIGIOUS OBSERVANCES

The College is eager to facilitate individual religious beliefs and practices whenever possible while retaining course student learning outcomes. It is your responsibility to meet with me in advance to request arrangements related to your religious observances that may conflict with this class, and to make appropriate plans to make up any missed work. The following is a link from the Chaplain's Office website where a list of Religious Holidays needing accommodations (if requested) is posted: <https://www.etown.edu/offices/chaplain/index.aspx>

MENTAL HEALTH AND COUNSELING RESOURCES

Counseling Services provides a broad range of counseling and mental health support services that facilitate students' personal, social, and academic development. The licensed mental health professionals provide short-term individual counseling, group counseling, crisis intervention, and consultation to currently enrolled students for no additional charge. Counseling services are provided in a confidential and diversity-affirming environment to help students address a variety of mental health, situational, and developmental concerns. The office is located in the [Baugh Student Center, Suite 216](#). Appointments can be made in person or by calling [717-361-1405](tel:717-361-1405). Urgent walk-in services are also available. To access the after-hours crisis services, please call the 24/7 Campus Security number of [717-361-1111](tel:717-361-1111). For more information, please visit www.etown.edu/offices/counseling

DISABILITIES -- per U.S. ADA (*Americans with Disabilities Act*: <https://www.ada.gov/>)

Elizabethtown College is committed to providing access for all students to courses, programs, services, and activities. If you have a documented disability such as a learning disability, chronic illness, or a new circumstance such as a concussion and would like to request accommodations, contact [Dr. Michele Moohr, Coordinator of Disability Services](#) by phone ([717-361-1227](tel:717-361-1227)) or e-mail (moohrm@etown.edu). The Office of Disability Services can provide resources to you and facilitate communication with faculty about reasonable accommodations. After meeting with the Office of Disability Services, students must set up an appointment to meet with me, the instructor, to discuss the accommodations as they pertain to my class. Common accommodations may include extra time on exams, an alternate exam location, the ability to record class lectures, and access to content with a screen reader.

MODIFICATIONS FOR NON-NATIVE ENGLISH SPEAKERS

Elizabethtown College is committed to providing equitable access to all courses, programs, and services for non-native (international and domestic) English speakers. Students may request tutoring, learning resources, course modifications, and learning opportunities. Students interested in seeking a course modification should contact Ms. Maria Petty (pettym@etown.edu), International Student Programs Advisor, at (717) 361-1594.

Title IX

Elizabethtown College and its faculty are committed to creating a safe and open learning environment for all students. If you or someone you know has experienced sexual harassment, including sexual assault, dating or domestic violence, and stalking, please know that help and support are available. Etown strongly encourages all members of the community to take action, seek support, and report incidents of sexual harassment to the Title IX Office. You may contact the Title IX Coordinator at reedg@etown.edu or learn more by visiting <https://www.etown.edu/offices/diversity/titleix/index.aspx>. Please be aware that faculty members are required to disclose information about suspected or alleged sexual harassment or other potential violations of the College Sexual Misconduct Policies and Procedures to the Title IX Coordinator. If the Title IX Coordinator receives information about an incident, they will reach out to offer information about resources, rights, and procedural options as a member of the campus community. Community members are not required to respond to this outreach. If you, or another student you know, wishes to speak to a confidential resource who does not have this reporting responsibility, please contact Counseling Services at 717-361-1405.

\$500 1st prize, \$350 2nd prize, \$150 3rd prize

FLORIDA AGRI-BUSINESS CONTEST

Due 12/4/25, 11:59pm. Presentations 2:00pm 12/5/25 in Esbenshade #273

[Elizabethtown College](#) EGR495/ART495 Architecture Studio | [J. Wunderlich PhD](#)

Updated [9/20/25](#), [9/29/25](#), [10/1/25](#), [10/4/25](#), [10/6/25](#), [11/1/25](#)

You will be helping develop 50 acres in **Anthony Florida** (in **Marion County**, 20 minutes North of the city of **Ocala**, and near the small town of **Sparr**): Find the other three parcels after you find the first one. The **PARCEL NUMBER** is **08363-000-00** in ANTHONY FLORIDA. <https://www.pa.marion.fl.us/PropertySearch.aspx?SearchBy=ParcelR&Parms=08363-000-00>

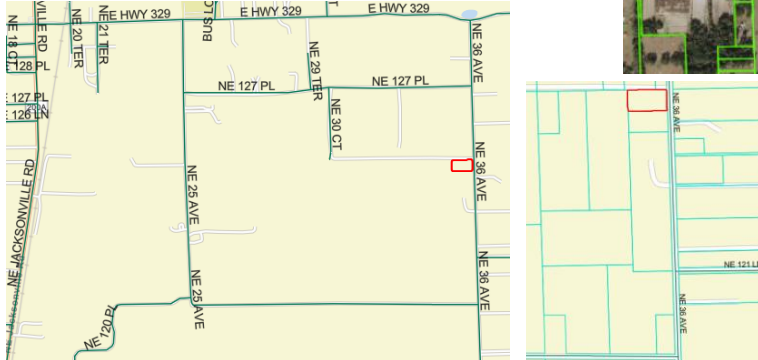
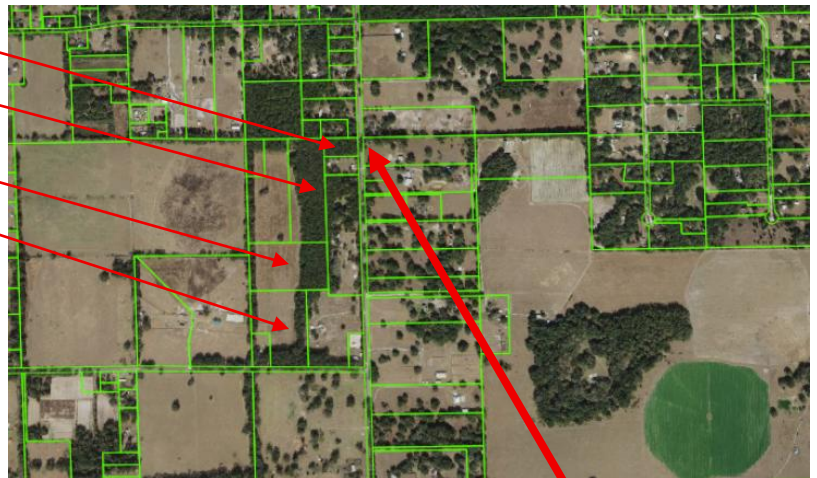


VISION FOR PROPERTY (by Developers, Masakani LLC, friends of Dr. Wunderlich)

"A multi-use farm that maintains its historical focus on agriculture but allows for the development of agri-business through the use of both structures (barn-500 sq foot open space), greenhouse, residential) and agriculture (vineyard, farm to table small crops, horses/cattle). This property is approximately 50 acres with 2/3 of it cleared and the remaining having fairly mature trees. The project will be completed in phases... with the first phase including the building of a 2500 square foot "barndominium" and locating an airstream on property. Throughout this phase, we will

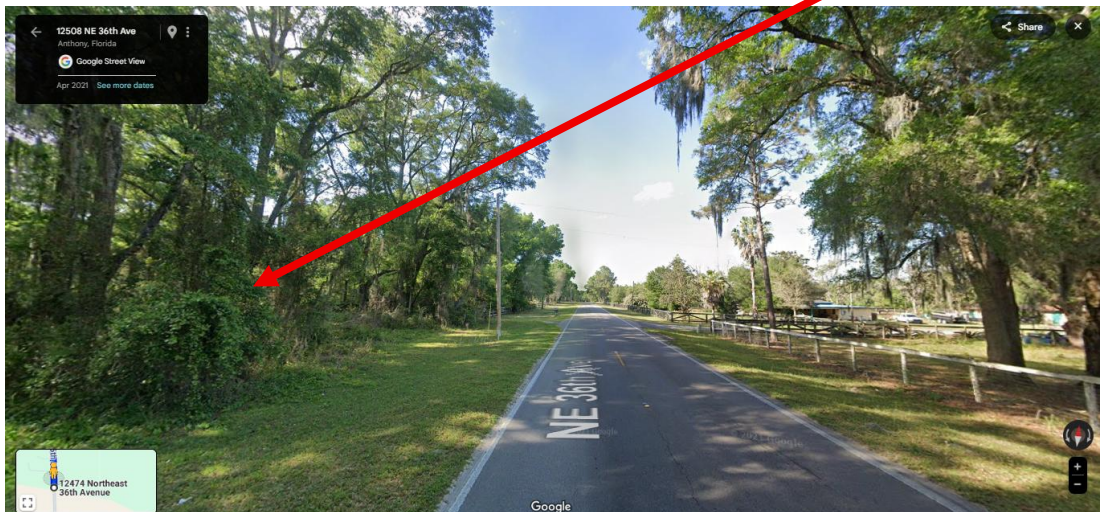
locate various property amenities (hot tub, outdoor meditation space, hiking/walking trail, etc.) to enhance use of the space. The vision is that in addition to its

ongoing use as a farm/agriculture, there is an opportunity to use it as an event space and/or short term rental." ... The site will eventually accommodate short-term summer camps, weddings, conferences, etc.

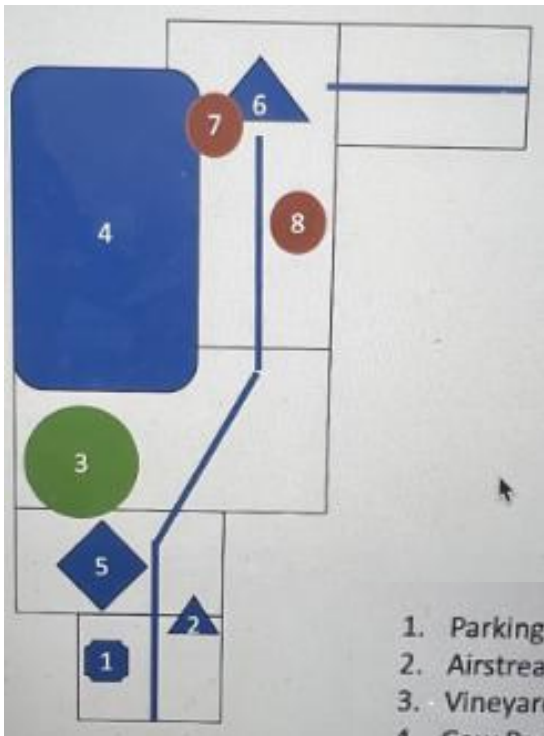


**12474 NE 36th Ave,
Anthony, Florida 32617**
**This is initial Main Entrance,
and Access to Electricity**

From Google Maps:



From Google Maps:12474 NE 36th Ave, Anthony, Florida 32617



Preliminary Site Map Sketch

- 1. Parking
- 2. Airstream
- 3. Vineyard
- 4. Cow Pasture
- 5. Greenhouse/Dining Room
- 6. Barndo
- 7. Hot Tub
- 8. Yoga Tent

ROAD FRONTAGE



Address of overall Development
12474 NE 36th Ave,
Anthony, Florida 32617
This is **initial Main Entrance**,
and Access to Electricity
NOTE: No public sewers, so
Septic Systems need to be
engineered

Google Earth:
<https://earth.google.com/web/search/12474+NE+36th+Ave,+Anthony,+FLORIDA+32617/@29.32741991,-82.08924218,18.83052807a,1126.5t/data=CiwjgokCXjuFjfkSj1AEbF18r45PT1AGUJA8e7...FTAIZ3Z3wfNIFTAQgIIAToDCgEwQgIIAEoNCP...wEQAA>

Eventual Main Entrance

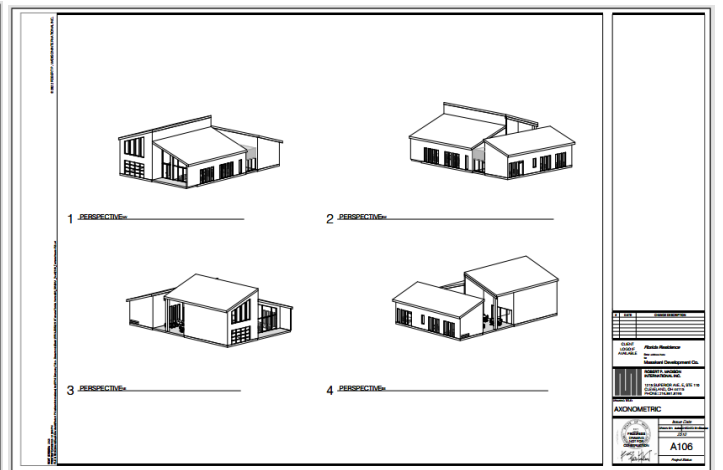
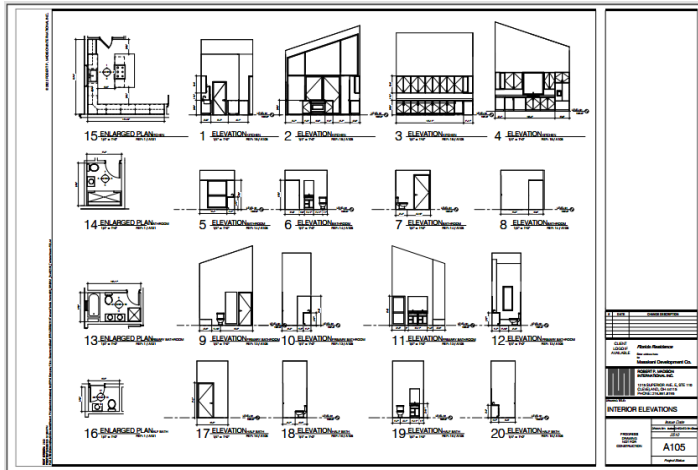
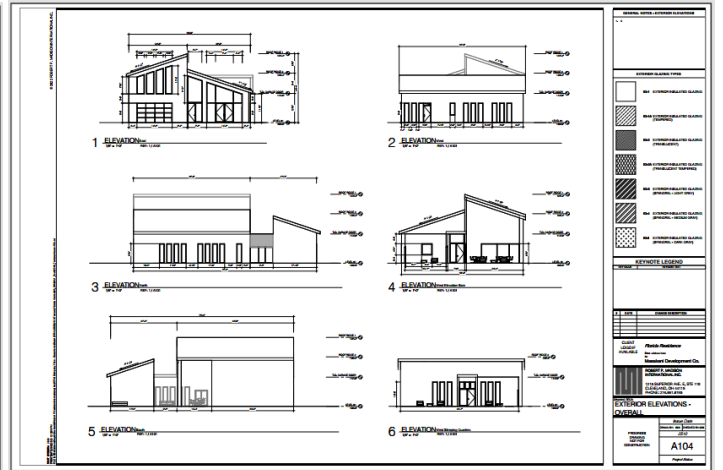
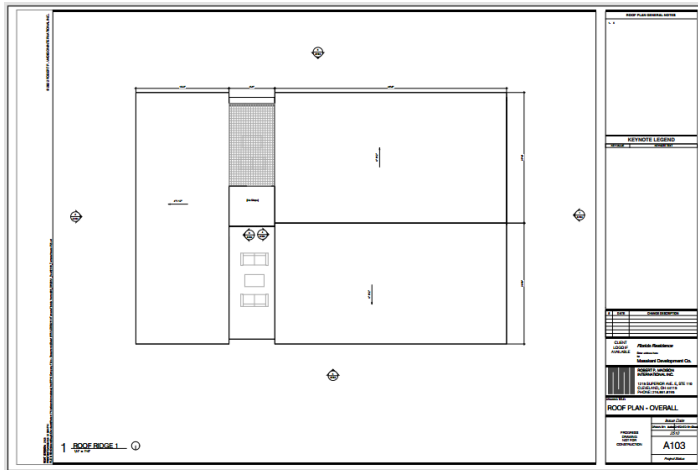
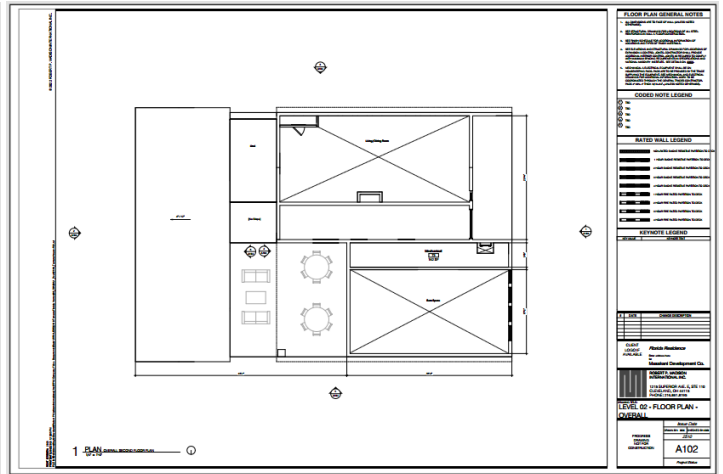
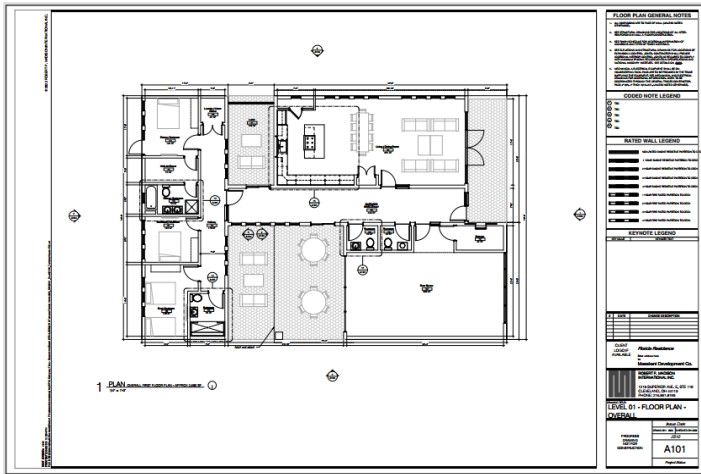


Eventual Main Entrance

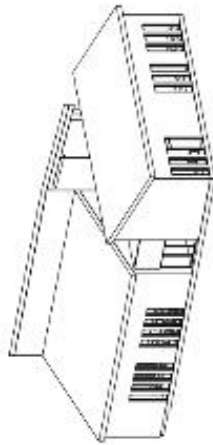
BARNDOMIUM "Barndo" "Florida Residence" UPDATE 10/4/25

PDF of new drawings Here:

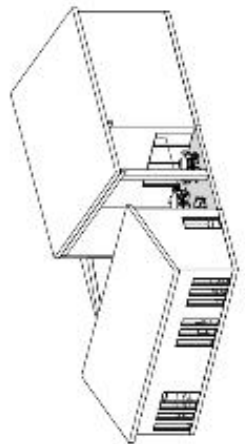
<https://users.etown.edu/w/wunderjt/Architecture%20Lectures/Barndomium Florida Residence 10 4 25.pdf>



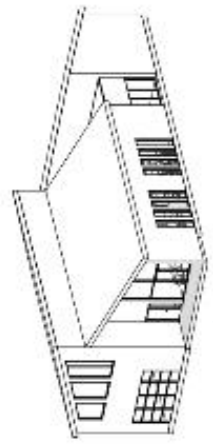
DATE	OWNER	PROJECT
RAZZINI ARCHITECTURE ARCHITECTS INC. 10000 UNIVERSITY AVENUE SUITE 100 DENVER, CO 80202		
RAZZINI ARCHITECTURE ARCHITECTS INC. 10000 UNIVERSITY AVENUE SUITE 100 DENVER, CO 80202		
AXONOMETRIC		
PROJECT NO. A100 SHEET NO. A100		



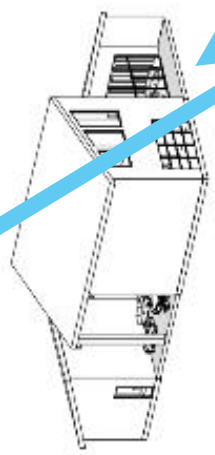
2 PERSPECTIVE



4 PERSPECTIVE

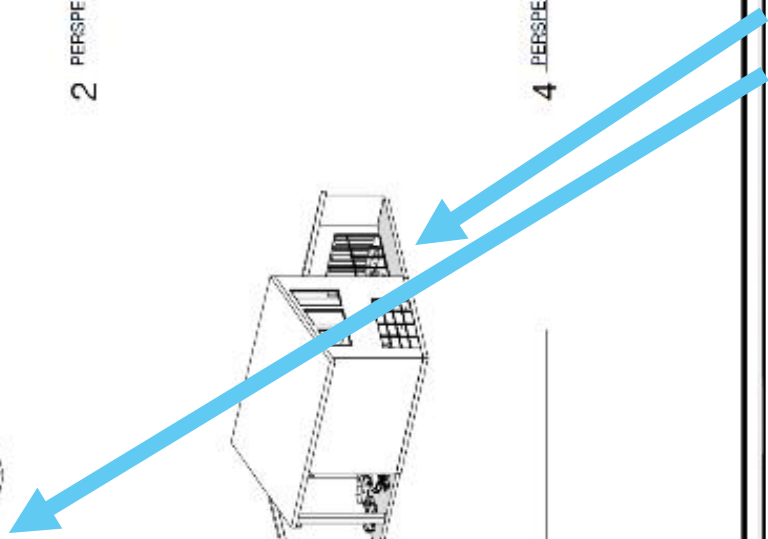


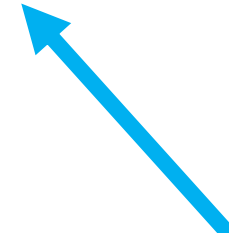
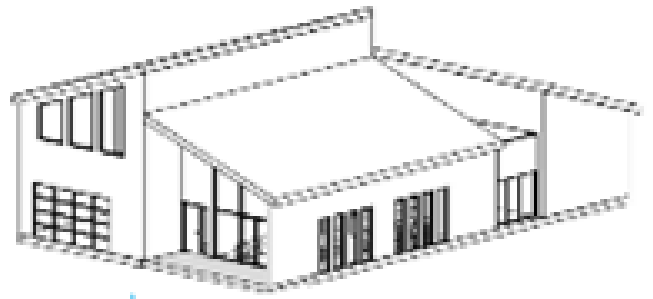
1 PERSPECTIVE



3 PERSPECTIVE

FRONT Facing cow pasture
 And exactly 25 feet from property line





cow
pasture
property
(neighbor)

Location of Barndominium ("Florida Residence") with FRONT facing cow pasture
And exactly 25 feet from property line of cow pasture property

ArcGIS Web Map



9/25/2025, 8:54:15 AM

Marion County	Streets	Green: Band_2
Parcels	Aerial 2024	Blue: Band_3
Red: Band_1		

1:4,562

0 0.05 0.1 0.2 mi
0 0.07 0.15 0.3 km

Marion County Property Appraiser, Marion County BOCC

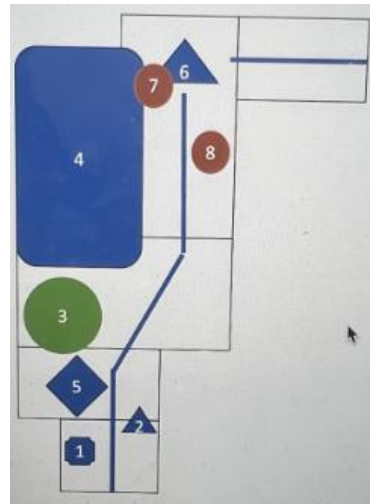
ASSIGNMENT

OPTIONAL: Do all of #1 below in Computer Architectural-Modeling software (REVIT or SKETCHUP)

➔ REVIT vs. SKETCHUP TUTORIAL [MP4 YouTube](#) by [JJWIV](#)

1. On 20"x30" (3/16" thick) FOAMBOARD supplied to you, create a SITE MODEL appropriate for the climate, culture, and biome. All of the land is zoned "Agricultural". Use the tan CHIPBOARD which is approx. 0.05 inches, corresponding to approx. 4.5 feet ... lets say its 5 feet ... at your scale of 1" = 90'-0" to show elevation changes (i.e., DONT use cardboard since its too thick and would correspond to over 10 feet in elevation change) ... also possibly use clay, plaster, rocks, cement, or any material you wish; plus use glue-guns and model trees and shrubs supplied to you, and green spray-paint and masking tape supplied to you. Create Terrain showing changes in "grade" throughout the site including around large coy pond/lake (as part of large Japanese Garden). Choose how much grade-change you would like across the terrain of your site. Place trees and shrubs throughout site.
 - Show on your site-design all the following, as sketched on this Preliminary Site Map (but to actual dimensions of site, and scaled to fit entire long length (30") of foam board (i.e. 1"= 90'-0", measure distances by right clicking on Google Maps):

1. Parking
2. Airstream
3. Vineyard
4. Cow Pasture
5. Greenhouse/Dining Room
6. Barndo
7. Hot Tub
8. Yoga Tent



Preliminary Site Map Sketch:

NOTE: 2500sf "Barndominium" ("Barndo") – has already been designed and permitted -- and is shown in the UPDATED floor plans and elevation drawings above

Also locate on your Site Design all of the following:

9. Outdoor in-ground pool next to hot tub
10. Japanese garden with designated areas for meditation and outdoor aerobics (30-people capacity), and a large coy-pond/lake ... locate it near Yoga Tent, and small boathouse next to your large coy pond/lake
11. Hiking trails with exercise nodes (and equipment)
12. Four cottages along hiking trails, each with two bedrooms, two baths, and one kitchen
13. Small petting zoo and Farmers Market building located on top-right (North-East) Parcel ... next to main road
14. 500 sf open-air Barn near vineyard and greenhouse/dining-room
15. Horse-Rink near vineyard and greenhouse/dining-room
16. Gardens (for crops) near vineyard and greenhouse/dining-room
17. An upscale 4-stall Horse-Barn next to Horse-Rink

Also include these new ENVIRONMENTAL ASSETS in this Development

- A. A dedicated small Forest Conservation Area
- B. Identify as many old growth trees as possible and avoid cutting them down for development
- C. Don't disturb natural wooded growth within 25 feet of property lines (and in-general, avoid clearing natural habitats)
- D. A dedicated small Wildlife Management Area
- E. Specify in your accompanying narrative to everything above where you will locate photovoltaics for electricity generation throughout site (to supplement Public Utility)

- **Create driveways up to designated building spots** and label what the building will be at each location. Show approximate building footprints and accurately use a scale derived from putting the actual site dimensions on your foam board i.e., all structures, landscaping, roadways and other infrastructure need to be made to uniform scale.

- **ARCHITECTURAL SKETCHES / RENDERINGS** (in **perspective**: learn, or refresh your memory, from here: <http://users.etown.edu/w/wunderjt/Architecture%20Lectures/Perspective%20Drawing%201.1.pdf>)

2. With your architectural design inspired by the home in this video:

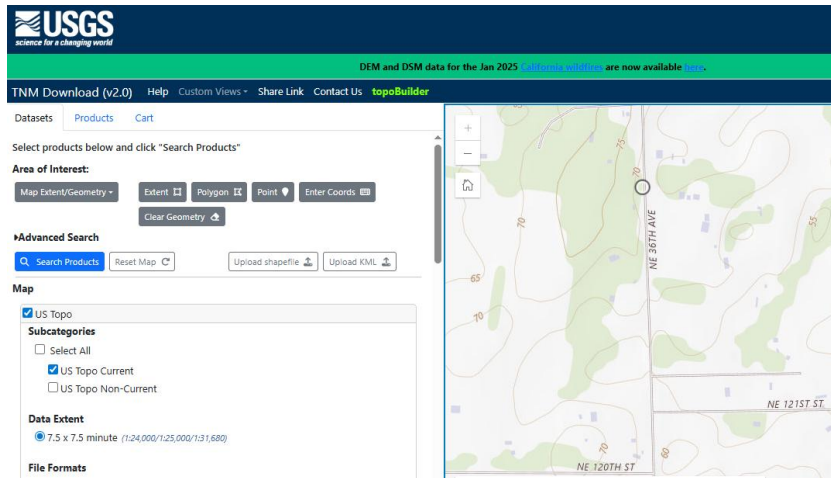
https://users.etown.edu/w/wunderjt/Architecture%20Lectures/IMG_Architectural%20Inspiration%20for%20Florida%20Agri-business%20buildings.mp4

Create **in Computer Architectural-Modeling software (REVIT or SKETCHUP)**, or by making physical models (1/8" equals 1'- 0" scale and drawn floor-plans), each of the following:

1. **Greenhouse/Dining-Room**
 2. **Barndominium (exactly as shown in above drawings)**
 3. **Japanese garden with designated areas for meditation and outdoor aerobics (30-people capacity), and a large coy-pond/lake ... locate it near Yoga Tent, and small boathouse next to your large coy pond/lake**
 4. **Cottage (1 of 4, just make one model) along hiking trails, each with two bedrooms, two baths, and one kitchen**
 5. **An upscale 4-stall Horse-Barn next to Horse-Rink**
3. Create your development plan as if you're presenting it in a **LEED "CHARRETTE"** with the **Developer/Owner**, the Chair of the local **Planning Commission**, a **representative from Academia**, a likely **guest** of your development, a local **Real Estate Broker**, the CEO of one of the "pre-qualified bidders" (i.e. of a "**General Contractor**" company). Mention something about the architectural, cultural, and nature "vernacular" of the site, and how you will be honoring that, and the larger surrounding community, and include **POTENTIAL ACADEMIC COLLABORATIONS** with **Elizabethtown College** and the **University of Florida in Gainesville**, 30 minutes from the site (with 55,000 students); a partnership has already been established with the University of Florida regarding the vineyard.
4. **ESTIMATE EXCAVATION** and sitework required and estimate how many **CUBIC YARDS** of "CUT" or "FILL" dirt will be resulting from your land development. List which heavy excavation equipment will be needed. Also, find some maps of **geotechnical** information, like load **bearing capacity of the soil, potential sinkholes, soil conditions for septic drain fields**, (there's most likely no worry about rock to blast in this part of the United States). Search for **TOPOGRAPHICAL MAPS**; like below ("USGS")
5. **FLOODING** potential; find **hurricane** flooding maps and also **normal floodplains** for drainage – look for the **Florida State and/or Marion County**, or possibly **Ocala City** environmental Regulatory agency... like we have our STATE "DEP" (Department of Environmental Protection) in Pennsylvania... And although you may not find anything, look for federal environmental maps from the U.S. EPA (Environmental Protection Agency) for potential Superfund sites etc.
6. **ZONING** -- find zoning maps from for **Marion County**, or possibly **Ocala City** **All four parcels are zoned "A-1" Agricultural; Go to https://library.municode.com/fl/marion_county/codes/land_development_code** Then go to "Article 4 ZONING", and read all of "DIVISION 2. ZONING CLASSIFICATION" sections 4.2.1, 4.2.2, and 4.2.3, especially 4.2.3 part "**D Development Standards**" where (du = Dwelling Unit) All of this has been copied and pasted below
7. **MASTER / COMPREHENSIVE PLANS** -- find long-term growth plans and maps from **Florida State, Marion County**, and possibly **Ocala City**
8. **DEMOGRAPHICS** (see population growth example below)

(50% of grade) PAPER (including all above) & Sketches/Renderings: upload to the Elizabethtown College canvas educational database everything in ONE WORD DOCUMENT
(50% of grade) VIDEO (FOUR-MINUTE MAX) of all the above, and uploaded mp4 file to the Elizabethtown College canvas database

Topographical Map: <https://apps.nationalmap.gov/downloader/#/maps>



ZONING -- find zoning maps from for Marion County, or possibly Ocala City. All four parcels are zoned "A-1" Agricultural; Go to https://library.municode.com/fl/marion_county/codes/land_development_code. Then go to "Article 4 ZONING", and read all of "DIVISION 2. ZONING CLASSIFICATION" sections 4.2.1, 4.2.2, and 4.2.3, especially 4.2.3 part "D Development Standards" where (du = Dwelling Unit) All of this has been copied and pasted below:

- DIVISION 2. - ZONING CLASSIFICATION²

Footnotes:

--- (2) ---Editor's note--- Ord. No. 17-08, § 2(Exh. A), adopted April 11, 2017, amended Art. 4, Div. 2 in its entirety to read as herein set out. Former Art. 4, Div. 2, §§ 4.2.1—4.2.7, pertained to similar subject matter, and derived from Ord. No. 13-20, § 2, adopted July 11, 2013.

- Sec. 4.2.1. - Zoning classifications.

A. Intent and purpose of. In order to regulate the location, height, bulk and size of buildings and other structures; the percentage of the lot, tract, or parcel which may be occupied; the size of lots, tracts or parcels, courts and green spaces; the density and distribution of population; the location and uses of land, buildings and structures for trade, industry, residential, recreation, public activities or other purposes in the unincorporated area of Marion County shall be zoned according to the subsequent sections (Ord. No. 17-08, § 2(Exh. A), 4-11-2017)

- Sec. 4.2.2. - General requirements for all agricultural classifications.

A. Contained in the following sections are the allowed land uses, building and lot standards (including minimum setbacks), other general requirements, and permitted uses specified for all agricultural zoning classifications.

B. Where the setback requirements set forth herein preclude development of the parcel or tract; and where the parcel or tract could be developed in conformance with the zoning code in effect prior to the adoption of this Code; the prior requirements shall prevail.

C. Special requirements for all agricultural zoning classifications:

(1) All setbacks shall be measured from the foundation or wall; however, eaves, roof overhangs, pilasters, chimneys and fireplaces may protrude two and one-half feet into a required setback

(2) No structure or building may be erected, placed upon or extend over any easement unless approved in writing by the person or entity holding said easement

(3) Outdoor ground and building lighting shall not cast direct light on adjacent properties.

(4) The sale, either retail or wholesale, of hay, either locally grown or imported from outside the State of Florida, is allowed as an accessory use on a working farm, as defined in CH 604.50 FS, where hay is already produced and sold. This provision is not permitted in the A-3 zoning classification.

(5) On A-1 zone parcels residential complexes for agricultural employees are allowed as an accessory use and may be clustered provided central water and sewage facilities are provided. Dwelling units may be conventional construction, or manufactured housing.

(6) On legal non-conforming lots or parcels of one acre or less in size or lots up to nine and nine-tenths acres in size, the density per acre limitation for horses, mules, donkeys, sheep, cattle, goats, swine, beefalo and other large farm animals is as follows:

(a) The minimum square footage of contiguous open pasture area, not including the dwelling and the garage (either attached or detached) shall be 9,000 square feet for the first animal and 6,000 square feet for each additional animal.

(b) The total number of such animals that may be kept shall not exceed four per acre except offspring, which may be kept until weaned.

(7) Requirements of the Storage of Manure:

(a) Manure shall not be allowed to accumulate causing a nuisance or hazard to the health, welfare, or safety of humans or animals.

(b) The outside storage of manure in piles (two cubic yards or greater) shall not be permitted within 100 feet of any lot line and/or any residence.

(c) Compliance with Article 5 Springs Protection Zone standards.

D. Permitted Uses:

Accessory use aircraft hangars in approved fly-in communities shall be permitted and include a maximum height of 30 feet.

Beekeeping Operations

Pigeon lofts meeting the requirements of Sec. 4.3.20

Pot-bellied pigs as pets

Silos, not exceeding 100 feet in height

Single-family guest cottage/apartment Refer to Sec. 4.3.18

Yard sales (up to three per year)

E. Owners of properties located on waterbodies considered "non-ESOZ" waterbodies may elect to designate the yard fronting on the waterbody as the new front or rear yard of the property.

(Ord. No. 17-08, § 2(Exh. A), 4-11-2017)

- Sec. 4.2.3. - General Agriculture (A-1) classification.

A. Intent of classification. The General Agriculture classification is intended to preserve agriculture as the primary use. This classification in the Urban Area may be used for agriculture until it is rezoned to another permitted classification.

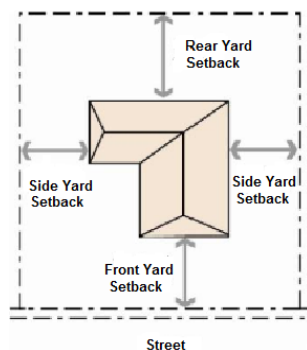
B. Permitted Uses:

- Single-family dwellings
- Manufactured buildings (DCA approved residential units)
- Manufactured homes
- Commercial vehicles utilized for transporting agricultural products raised or produced on the A-1 property of the vehicle owner may be parked on the A-1 zoned property; otherwise see Section 4.3.21.A. and B. for additional options on properties consisting of 5 acres or greater.
- General farming, agricultural uses such as aquaculture, fish hatcheries, agricultural crop production including sod farms, agricultural production of livestock and forestry, including horses, cattle or the keeping and raising of raptures such as ostriches and emus
- Greenhouse and plant nursery including both retail and wholesale, provided the products sold are raised on premises
- Hay sales, refer to Sec. 4.2.2.C (4)
- Single family, guest cottage, apartment. Refer to Sec. 4.3.18
- Ornamental horticulture, floriculture, and nursery products retail, wholesale
- Poultry farms, hatcheries
- Public park, or other public recreational use or building
- Racetrack, non-motorized, non-commercial for training only
- Silviculture
- Veterinary office, clinic, or hospital, no outside kennels permitted

C. Special Uses (requiring permit):

- Airport, private
- Aviaries
- Bed and breakfast inn
- Cemetery, mausoleum (private)
- Church, Places of worship
- Dude ranch, riding academy
- Feedlots, cattle, hog, lamb, etc.
- Gas meter facility and supply lines, high-pressure, except where such permits are pre-empted by state and federal regulations
- Kennel
- Landfill, construction, and demolition
- Motorized Vehicle Racetrack or Practice Facilities shall be defined as: Motorized Vehicle Racetrack or Practice Facility: a place where ATV's, Motocross Bikes, Go Carts, Off Road Vehicles, or any similar vehicles, gather to compete against each other or against time on a tract of land or course constructed or designed for such purpose; A place to train, develop form, techniques or other skills related to competition
- Nursery school
- Parking of commercial vehicles, see Sec. 4.3.21
- Shooting range
- School, accredited public, private, parochial
- Sewage treatment plants with an inflow exceeding 5,000 gallons per day
- Specialty animals
- Sprayfields or other type of effluent disposal area when application rate exceeds 5,000 gallons per day, if allowed by law
- Storage of explosives
- Transportation services solely related to the transport of horses and livestock
- Treatment facility for wastewater residuals
- Veterinary office, clinic, or hospital, outside kennels permitted
- Water wellfields

D. Development Standards:



Maximum Density Permitted: 1 du/10 acres, unless qualifies for the density exceptions provisions in Sec. 4.3.2.

- Minimum Lot Area: 10 acres
- Minimum Lot Width: 150 feet
- Maximum Building Height: 50 feet
- Maximum Floor Area Ratio: None

E. Setbacks Minimums:

- Front Setback: 25 feet
- Side Setback: 25 feet
- Rear Setback: 25 feet

F. Accessory Buildings:

Front Setback: 25 feet

Side Setback: 25 feet

Rear Setback: 25 feet

G. Accessory Building Housing for Livestock:

Front Setback: 75 feet

Side Setback: 25 feet

Rear Setback: 25 feet

H. Accessory Building Housing for Poultry:

Front Setback: 100 feet

Side Setback: 25 feet

Rear Setback: 25 feet

I. Pool Enclosures:

Front Setback: 25 feet

Side Setback: 25 feet

Rear Setback: 10 feet

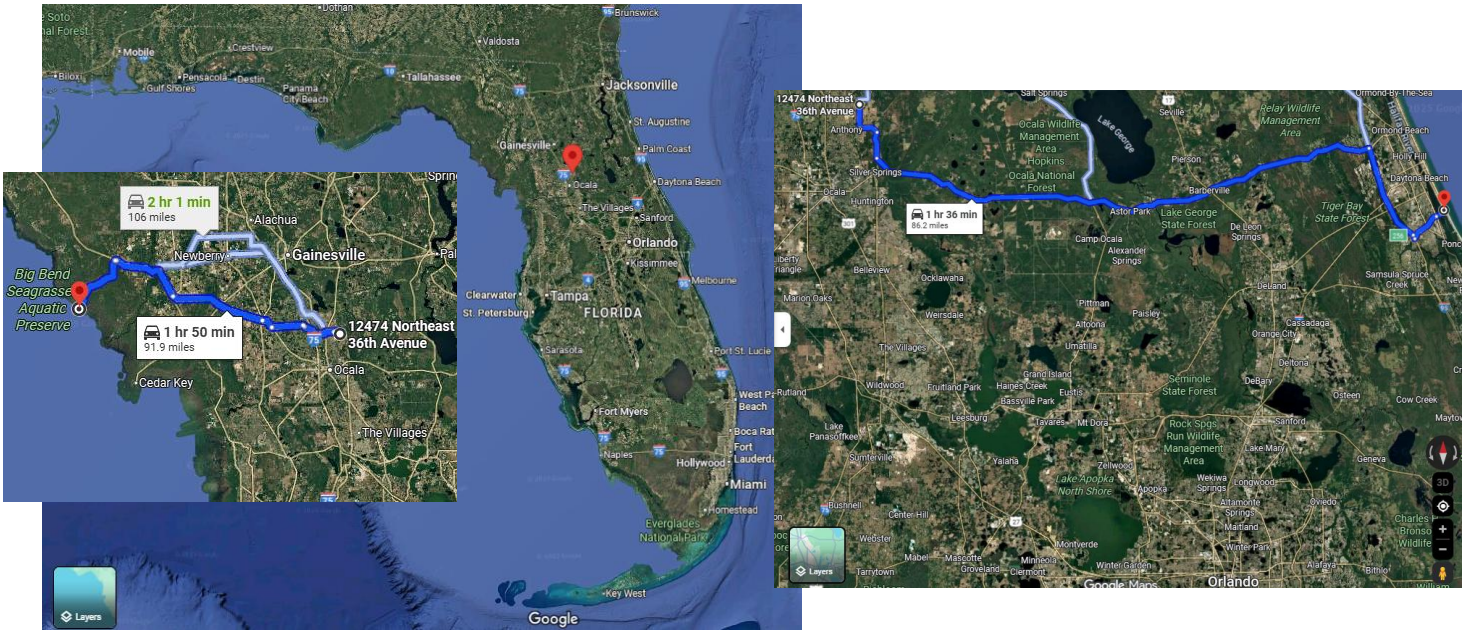
(Ord. No. 17-08, § 2(Exh. A), 4-11-2017)

ANALYSIS OF SURROUNDING AREA

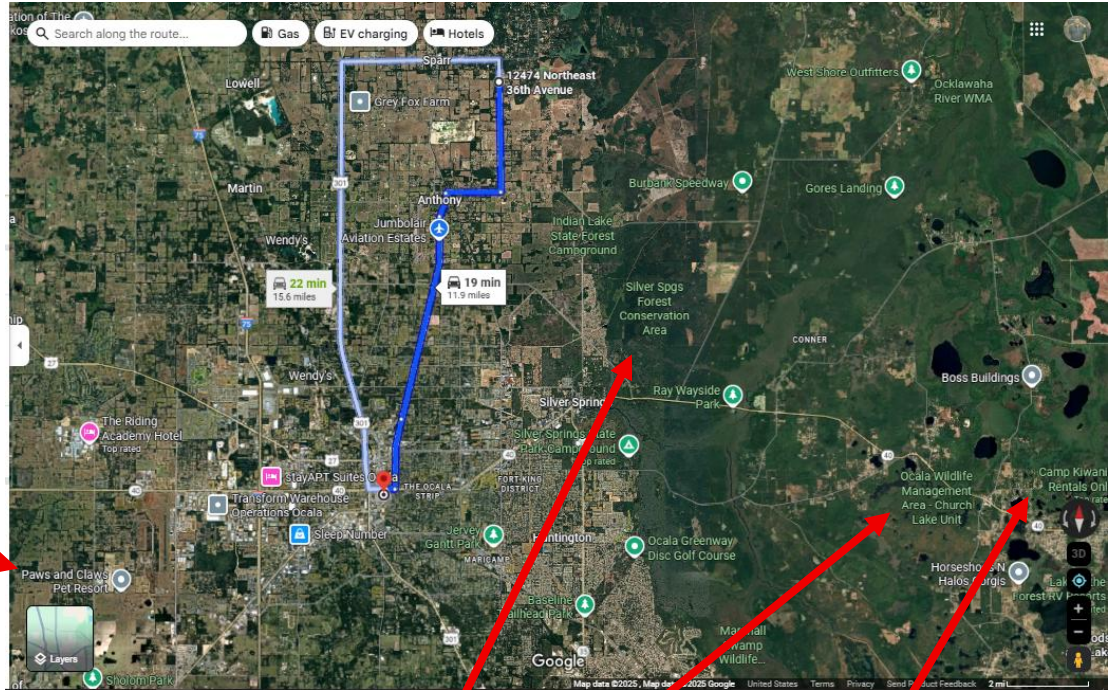
12474 NE 36th Ave, Anthony, **FLORIDA** 32617

https://www.google.com/maps/place/12474+NE+36th+Ave,+Anthony,+FL+32617/@29.3299496,-82.0910842,1212m/data=!3m1!1e3!4m5!3m4!1s0x88e62f06e6ac89e3:0x5c1453736f45322618m!3d29.3309382!4d-82.0873863?entry=ttu&g_ep=EgoyMDI1MDkwMy4wIwKXMDSoASAFQAw%3D%3D

2 hours to beaches to the West, 1-1/2 hours to beaches to the East:



ANTHONY, and site are 15 to 20 minutes North of **OCALA**:



PET RESORT



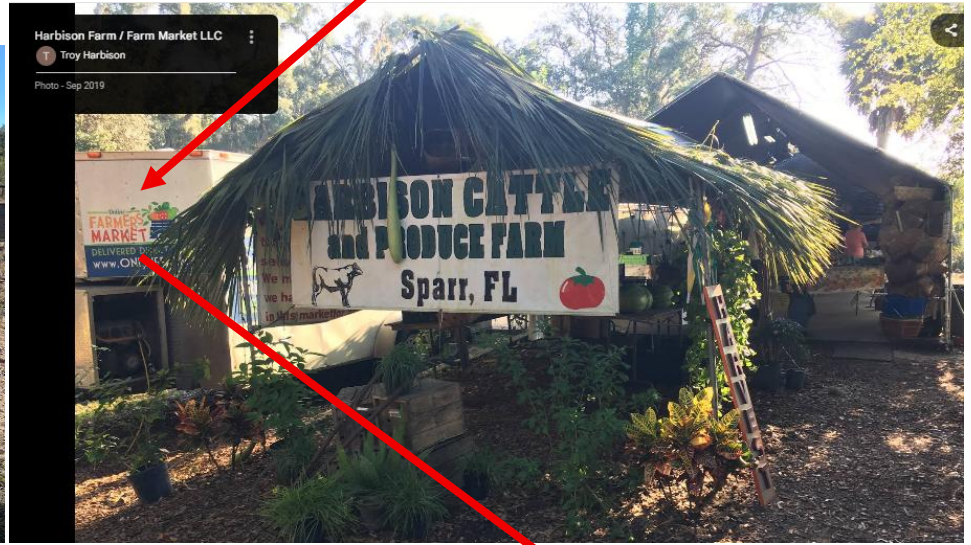
Forest Conservation Area
Wildlife Management Area

Campgrounds

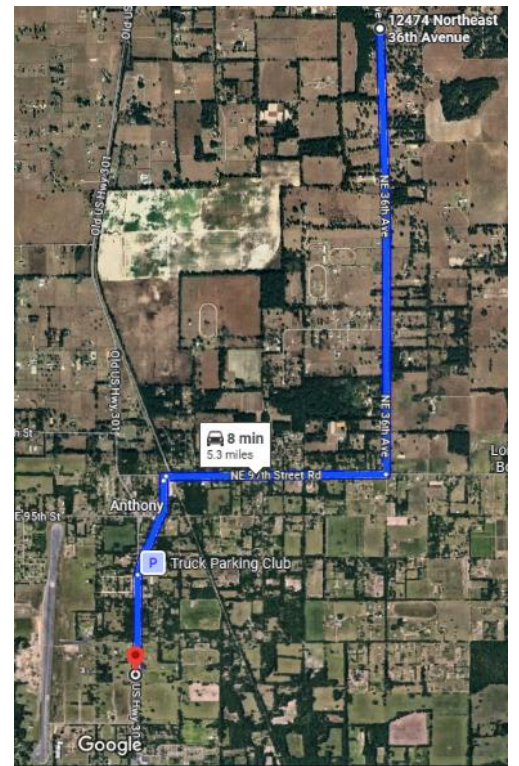
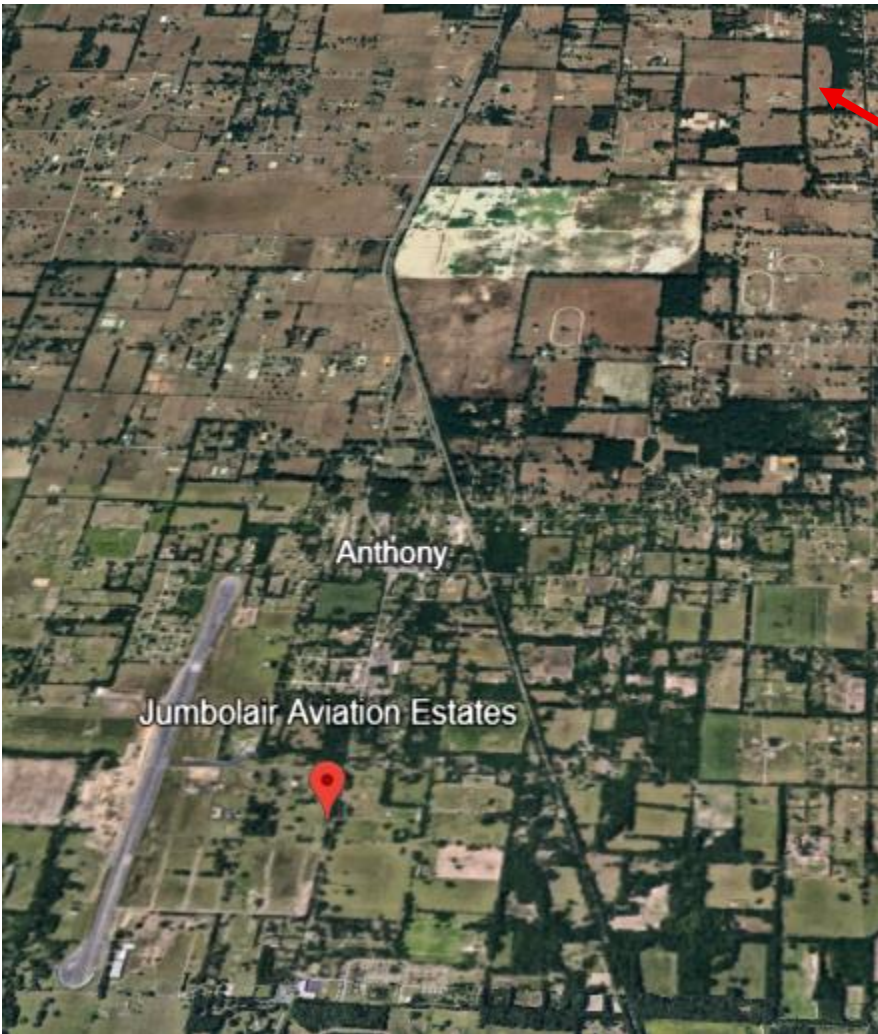
Animal Sanctuary, **RURAL**



Farm Market, **RURAL**



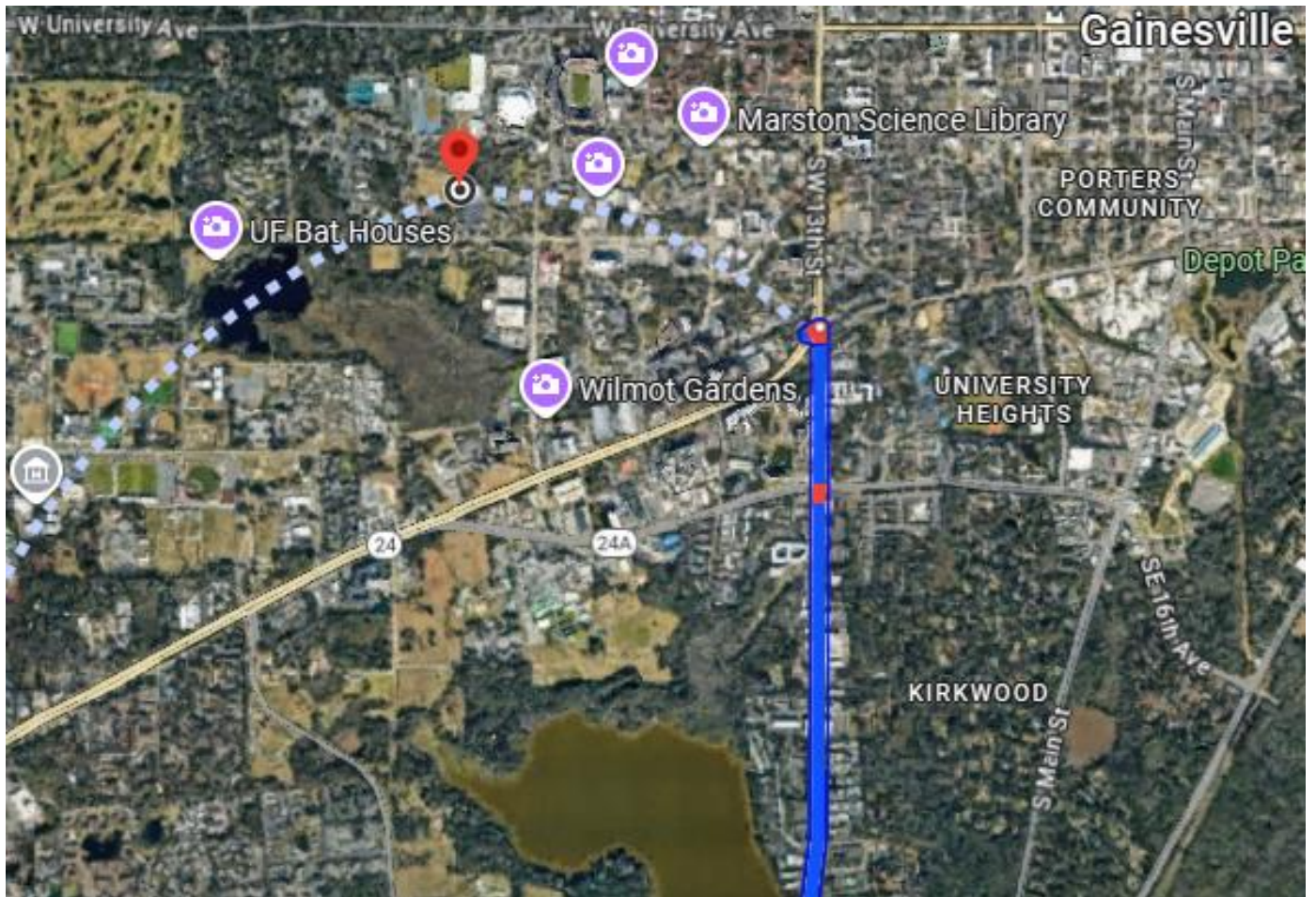
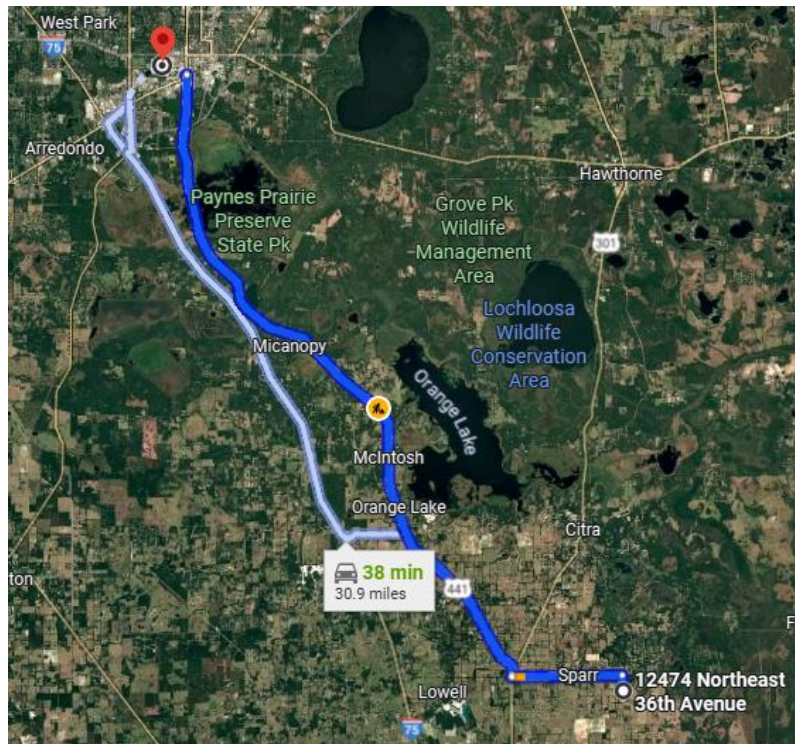
3 minutes from small town of **SPARR**



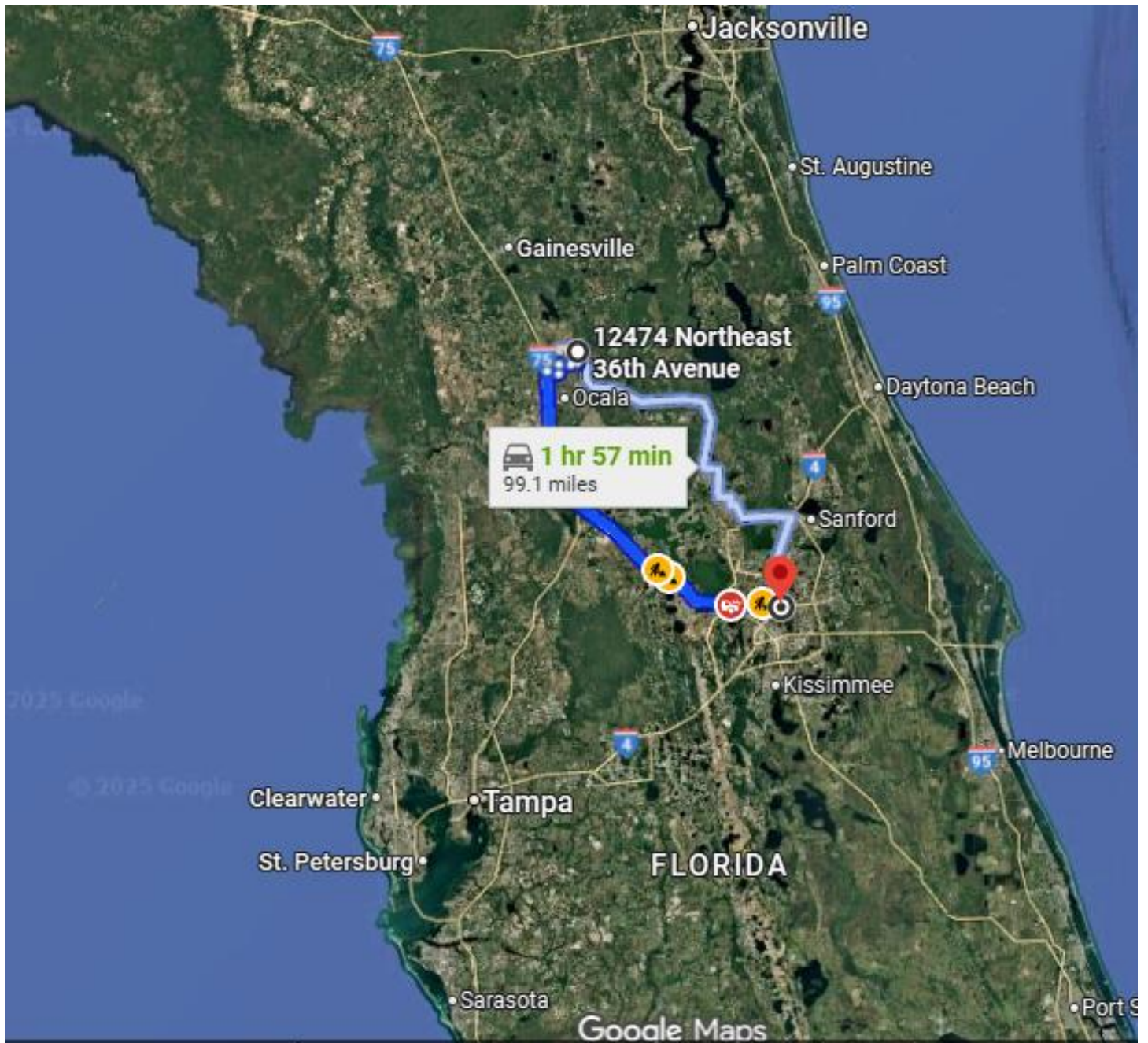
Jumbolair Aviation Estates (**POSH**), in Anthony



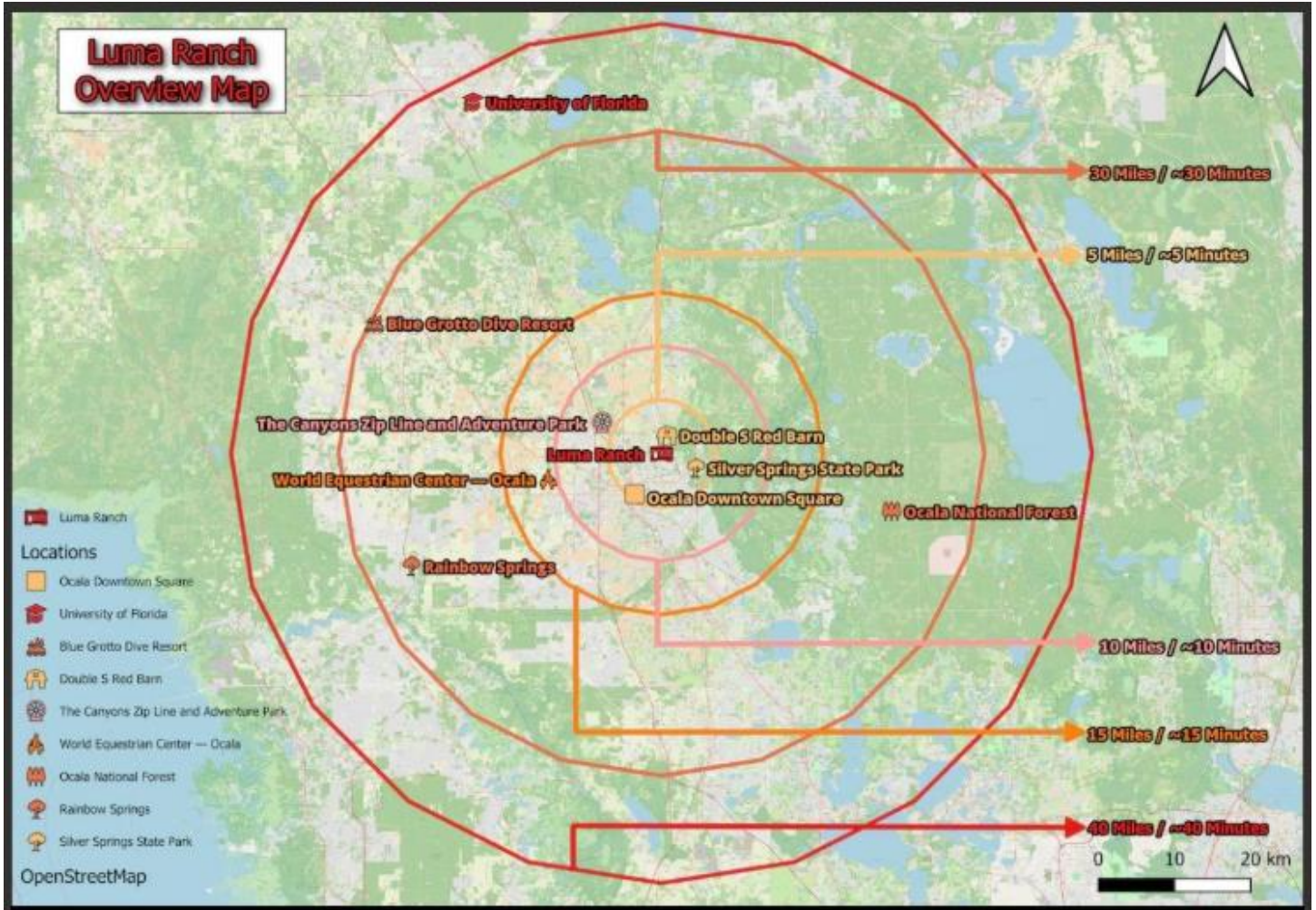
**38 minutes South of Gainesville (population 148,720) and
The **University of Florida** (55,000 students)**



Two hours North of Orlando



“Luma Ranch” is location of this Development



Population Growth (Demographics)

**Percent Change in Metropolitan Statistical Area Population:
July 1, 2022-July 1, 2023**

