



SBISD Agricultural Science Center

Project Advisory Team
Meeting #2
March 9, 2023



Welcome + Introductions

SPRING BRANCH ISD

Joe Kolenda	Guthrie Center, Principal
Jane Primrose	Guthrie Center, Assistant Principal
Christina Rice-Imumwen	CTE Director
Nicole Henneke	CTE Coordinator
Lance Stallworth	Executive Director Student Support Services
Kristin Craft	Associate Superintendent for Academics
Travis Stanford	Associate Superintendent for Operations
Alfonso Montoya	Planning & Construction, Project Manager

STANTEC ARCHITECTURE

Jennifer Henrikson	Architect - Principal
Scott Klaus	Architect - Sr Design Principal
Gin Kappler-Peeler	Architect - Sr Project Manager
Megan Monedero	Architect - Sr Project Architect
Danielle Dunn	Architect

PROJECT ADVISORY TEAM (PAT) – Ag Science Center

Name	Member Type (Parent, Teacher, Community)
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Agenda: PAT Mtg#2

1. PAT Process Recap/Overview
2. PAT Meeting #1 Recap: Engagement Summary
3. **PAT Engagement:** Guiding Principles Consensus
- 4a **PAT Engagement:** Site Pathways
5. Master Plan: Progress Update
- 4b **PAT Engagement:** Site Pathways
6. Next Steps





Item 1

PAT PROCESS RECAP / OVERVIEW





ASC Project Advisory Team (PAT) - Charge

OVERVIEW

A Project Advisory Team (PAT) will be chartered for the planning of renovations and additions for the **SBISD Agricultural Science Center** under the campus's projects as funded in 2017 and 2022 Bond Programs.

CHARGE

The PAT will work collaboratively and cooperatively with the architect and SBISD Project Manager **to conceptualize, develop and refine the project's goals and design.**

The PAT will advise on recommendations regarding the interior and exterior appearance of the replacement of Sherwood Elementary School.

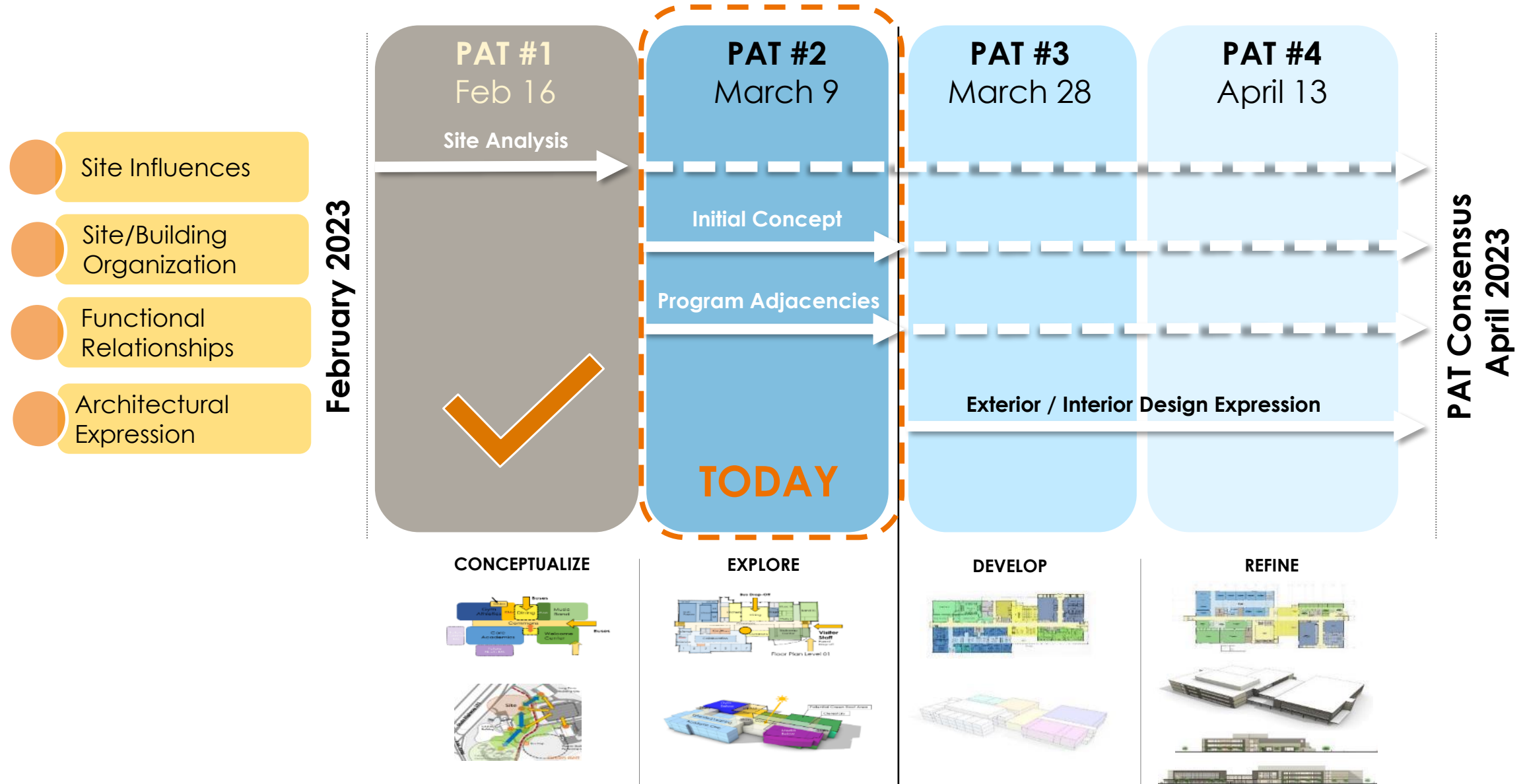
The PAT will **reach a proposed recommendation through consensus.**

These recommendations will be presented to the Superintendent + Board of Trustees for approval.
The Board of Trustees may act upon the recommendations developed with PAT input by approving, amending, altering or not approving all or any part of the recommendations.

Areas of focus from which the PAT should refrain include recommendations regarding school programs, policies and procedures, boundaries of district facilities, instructional arrangements and/or educational pedagogy decided upon and/or subject to District, State and Federal laws.



PAT Engagement – ASC Meeting Progression Overview





PAT Engagement – **Input**

“Recipe” for creating the SBISD Agricultural Science Center

District & Regulatory Ingredients

- SBISD CTE Educational Specifications
- SBISD Design & Construction Standards
- CITY Adopted Codes & Ordinances
- STATE Accessibility Requirements

Campus Inspired Ingredients

- CAMPUS Fact Finding Meetings
- **PAT Engagement**
- SBISD Departmental Leader Reviews
- CAMPUS End User Reviews
- Existing Site Influences





Project Scope – **Agricultural Science Center Addition/Renovation**

- **Campus Improvements** will increase current student capacity, expand course offerings, and create an Enterprise Entry point
- **Approx. 59,000 SF:** Renovation and additional instructional spaces based on the SBISD CTE Educational Specifications
- **On Site Transition:** Campus will remain occupied during construction
- **18-20 months:** Total anticipated time for phased construction
- **Fall 2025:** Agricultural Science Center project completion

PAT MTG #1: RECAP

ENGAGEMENT SUMMARY

have the opportunity to learn about livestock, and then practice our knowledge (safely) on the animals. We are also able to raise an animal, whether it be for school or for majors, and show it. We also have several roads (⁹). I think that feed into the road.

tells the class is in a barn is a really cool opportunity to live... a cowboy.

(to grazing area and rest property), gravel road makes you feel like you are on a ranch drive.

side areas

ing of certain structures w/ barn collects water (heavy rain).

nage on certain parts of the building (reinforced piping/more protection).

ing (stronger pipe/more protection).

② kumb + front small barn area for teaching off (clipping, drying, a review). This one is well managed.

- No office space outside of classroom for teachers
- No lounge/lunch space for teachers
- No indoor restrooms
- No ~~shared~~ large conference room for big meetings / events
- Finding in heavily used areas
- Pig barn drainage

- Poultry barn / no storage for student



Visioning

1. Describe **what makes the existing** Agricultural Science Center's **campus special**.
 - Facility is “**Hands On**” and “**Learning is by Doing**”
 - **Multi-faceted experience** - Students and Parents interact every day
 - Six diverse campuses “**coming together as one**”
 - **(....the feeling)** of being “At the Barn” – **transported somewhere different**
2. Share **three aspects** of the **existing campus** that **work well** and should be **enhanced**.
 - Improve **access to green spaces** and **surface of gravel roads**
 - Improve **access/functionality** to site, animals, support zones
 - Enhance instructional space to create “**authentic**” **real-world working environments**
 - Opportunity for **Experiential Learning**



PAT Engagement – Summary of PAT Responses

PAT
Responses

3. Share **three aspects** of the **existing campus** that do not work well and should be **removed**.
 - **Site drainage** around Show Arena
 - **Lab spaces need to “align” with industry standards**
 - **Storage spaces:** Classroom, Animal Feed (Poultry), and Alumni
 - **Waste disposal** management system logistics
 - **Pig barn** in disrepair

4. List **three ideas** how the **project** could support and enhance the agricultural science **learning experience**.
 - **Spaces to instruct and demonstrate** – Learn something / Show results
 - **Industry specific experience** - Mirror current industry Facilities / Trends / Practices
 - **More cross discipline programming** – “Farm to Table” concept
 - **Use Technology to share instructional content** – “De-horning” Film + video display
Upgrade technology to capture (cameras), share (monitors), and enhance instruction (A/R)



5. List **one example EACH** describing the future characteristic of the Agricultural Science Center's **Culture | Image | Brand** in the community.

Culture

- **Highlight importance of Ag Industry...** Reinforce/Re-Brand (science to feed people)
- **Create “campus” feeling...** Creates a **family** of all schools, SBISD **community**
- **Welcoming to all...** Inclusive vibe / Mutual respect

Image

- We are **more than just farmers..** If so, that is not a bad thing
- We are building **professionals and leaders...** A place students/teachers want to go to
- **Cutting edge programs...** Leading in instructional delivery / Exciting and inquisitive place

Brand

- **Intentional...** Signage & graphics
- **Professional...** Mirror to the industry
- **Passionate, Grit, Leaders..** Opportunity to build unity / Reflect importance of T-2-4 vision



Item 3

PAT MTG #2: ENGAGEMENT
GUIDING PRINCIPLES
CONSENSUS





PAT Engagement – Review Guiding Principles → Seek Consensus

PAT Engagement – Summary of PAT Responses

PAT Responses

Visioning

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PAT Responses

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PAT Input

AG SCIENCE CENTER DESIGN GUIDING PRINCIPLES



AGRICULTURAL SCIENCE CENTER - DESIGN GUIDING PRINCIPLES

Create experiential spaces where students learn by doing.

The Agricultural Science Center simulates real world experiences in the agriculture science industry.

Create a setting that embodies academics, leadership, and entrepreneurial values.

The Agricultural Science Center promotes learning in many forms and develops the students in a holistic manner.

Create an environment rooted in nature, embracing innovation and new technologies.

The Agricultural Science Center celebrates the natural setting while providing state of the art learning spaces.

The Ag Science Center should cultivate a community experience.

The Agricultural Science Center is a unique campus for students, families and communities across the district.



Item 4a

**PAT MTG #2: ENGAGEMENT
SITE PATHWAYS – PART 1**





PAT Mtg#2 Engagement: Site Pathways Part 1

Diagram the access and areas that support:



25 mins for Engagement Activity:

10 minutes of Group table work

15 minutes of Group share out



Students

- Arrival / Parking
- Instructional Spaces
- Animal Care Spaces



Staff

- Arrival / Parking
- Instructional Spaces
- Animal Care Spaces
- Facility Upkeep



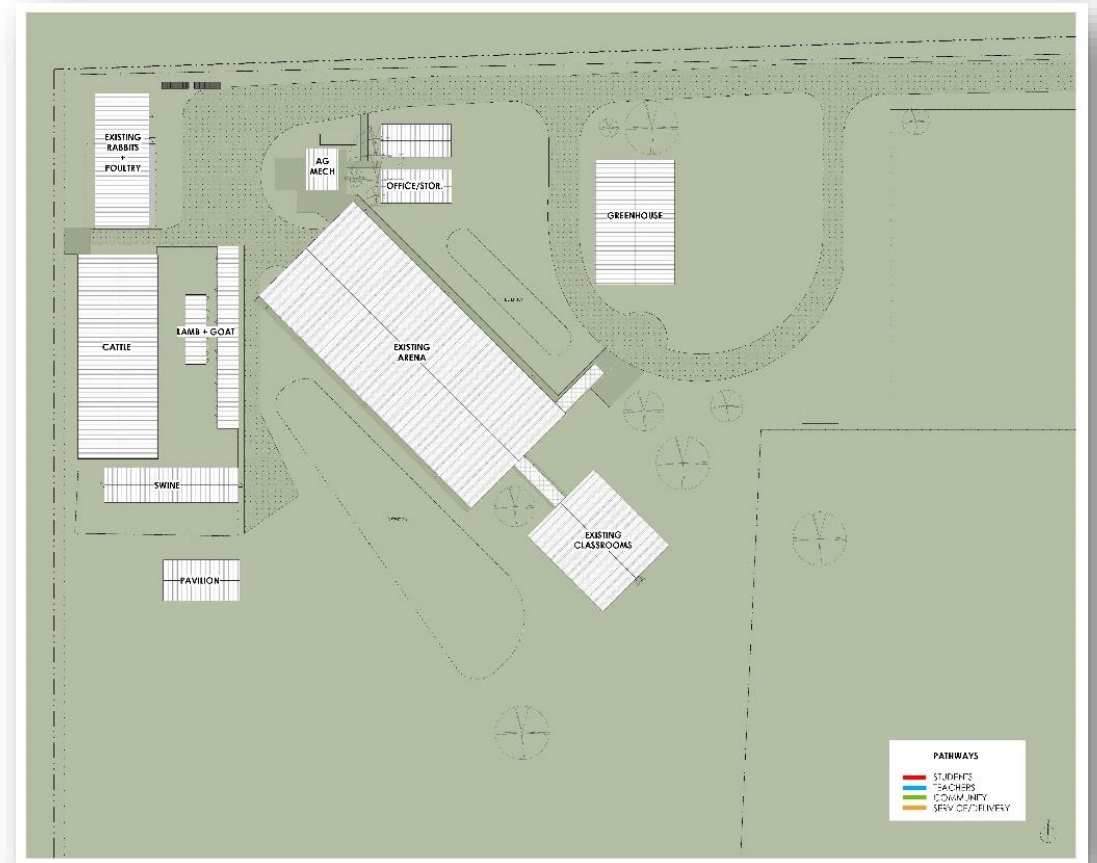
Community

- Guest Presenters
- Santa's Farm
- Show & Sale
- School Field Trips



Service & Delivery

- Student Animal Feed & Care
- District Animal Feed & Care
- Concession Restocking
- Equipment / Facility Maintenance



Item 5

MASTER PLAN PROGRESS UPDATE



Master Plan – Parallel Effort

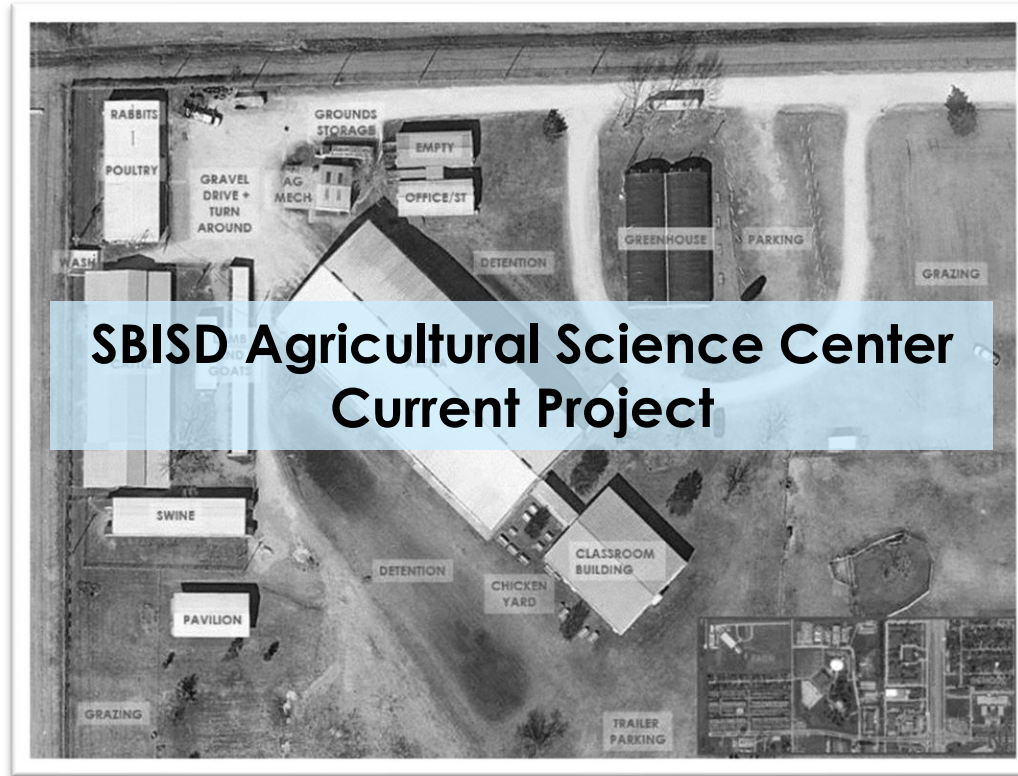


This project drove the need for an overall Master Plan.

As the Proposed Master Plan develops, it will incorporate thoughtful consideration of the current project in relation to long-term campus improvements.



Master Plan – Current Project Reminder



**The Current 2017 + 2022 Bond Program Funding
will NOT realize the full Master Plan**



Scope Overview

Site Infrastructure: Improvements

Drainage / Detention

- City of Houston Detention Requirements
- Sanitary + Stormwater Systems
- Areas that pond water today

Site Lighting / Electrical

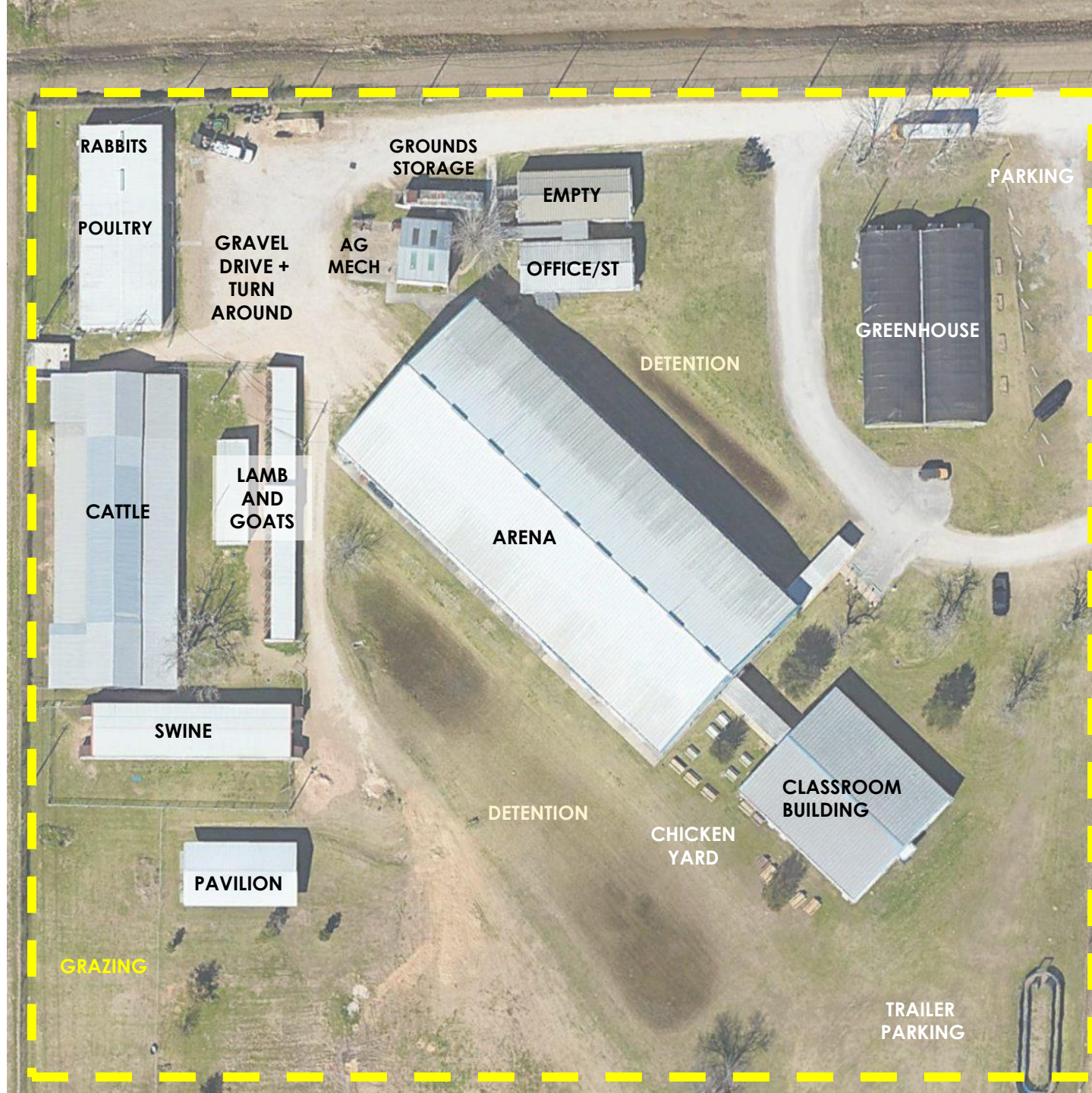
- Entry Drive + Parking Areas
- Building Entries
- Electrical Service + Distribution
- Emergency Generator

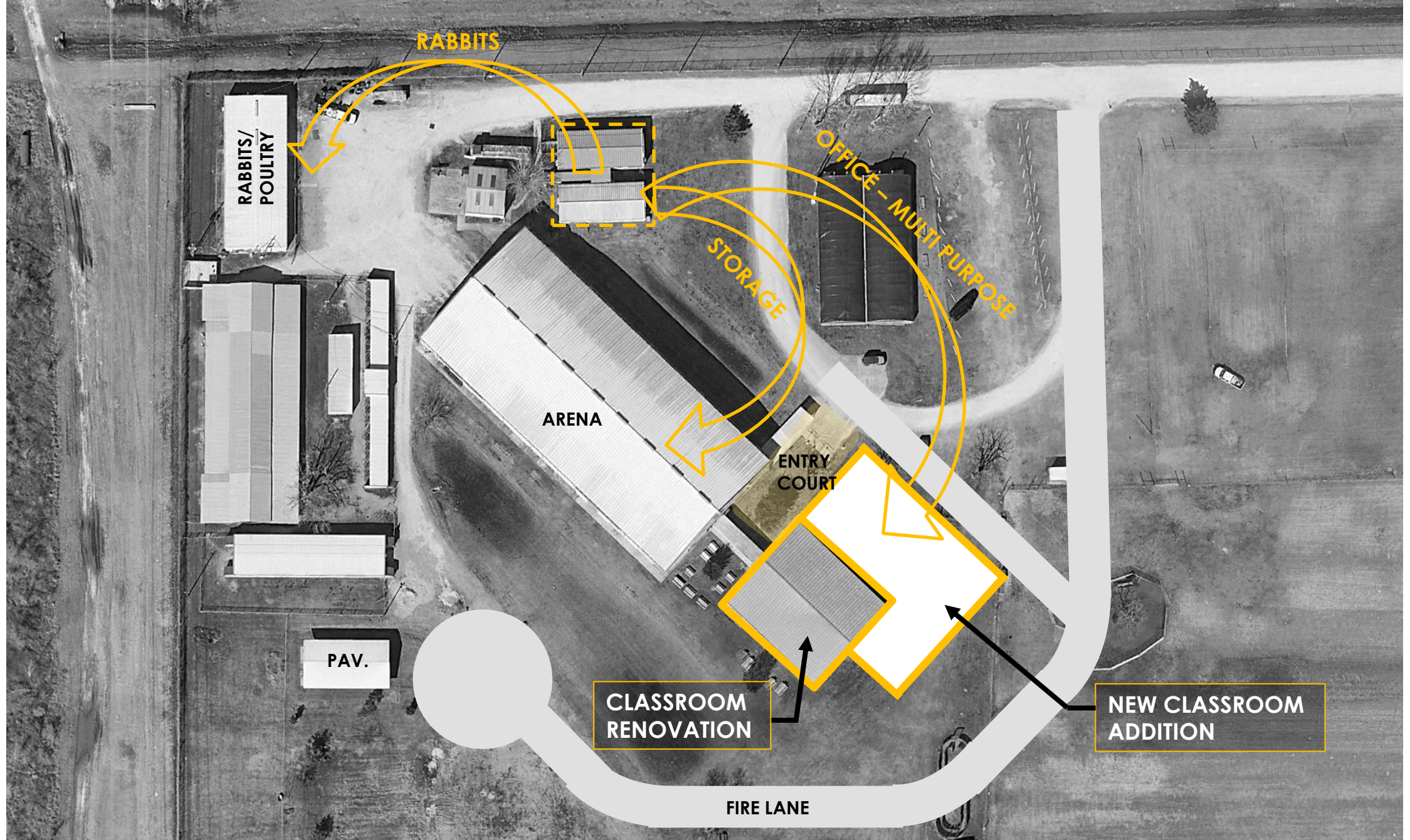
Regulatory Requirements

- Fire Truck Access
- Texas Accessibility Standards
- Life Safety Analysis

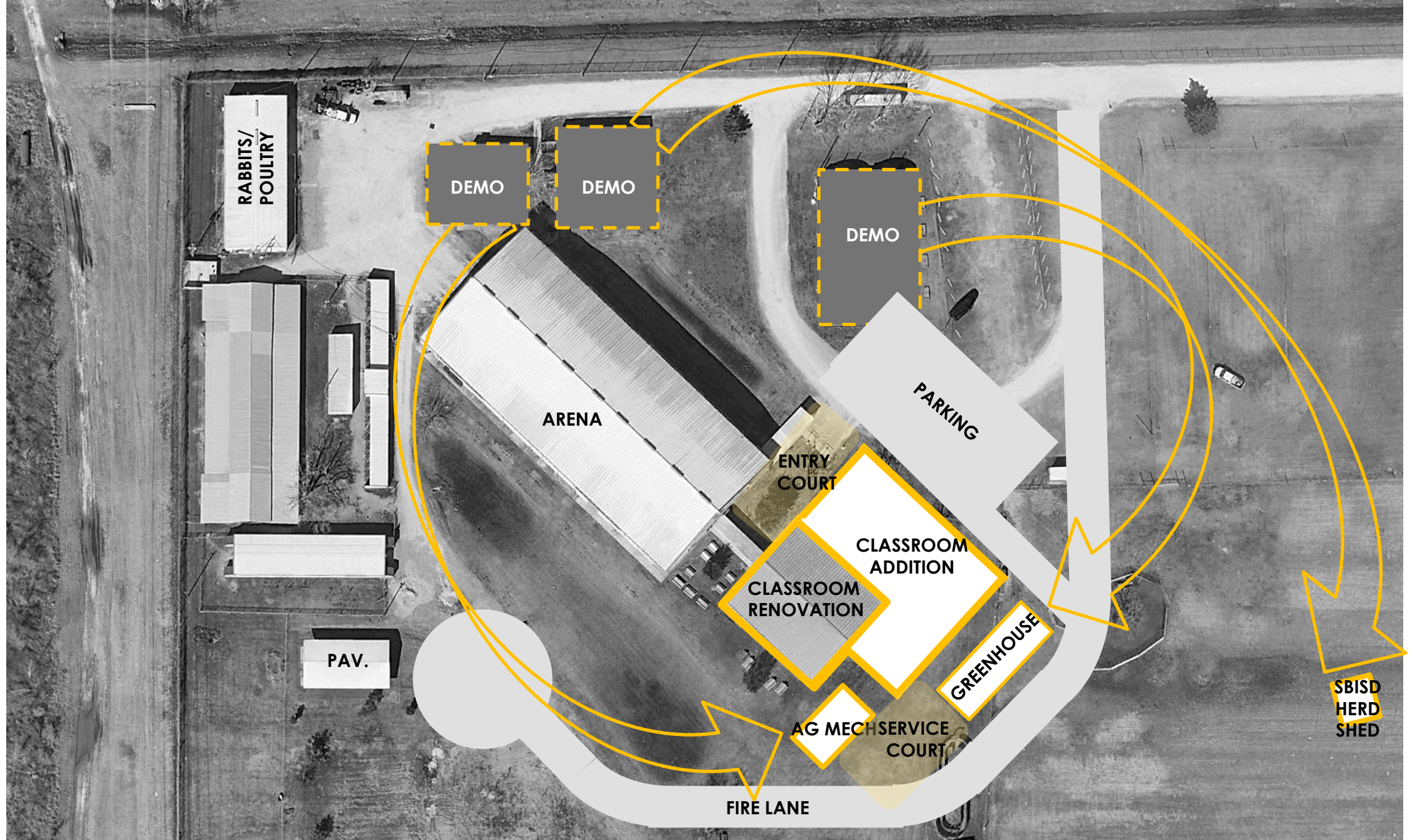
Building Infrastructure

- Building Code Requirements
- Texas Accessibility Requirements
- District Standards

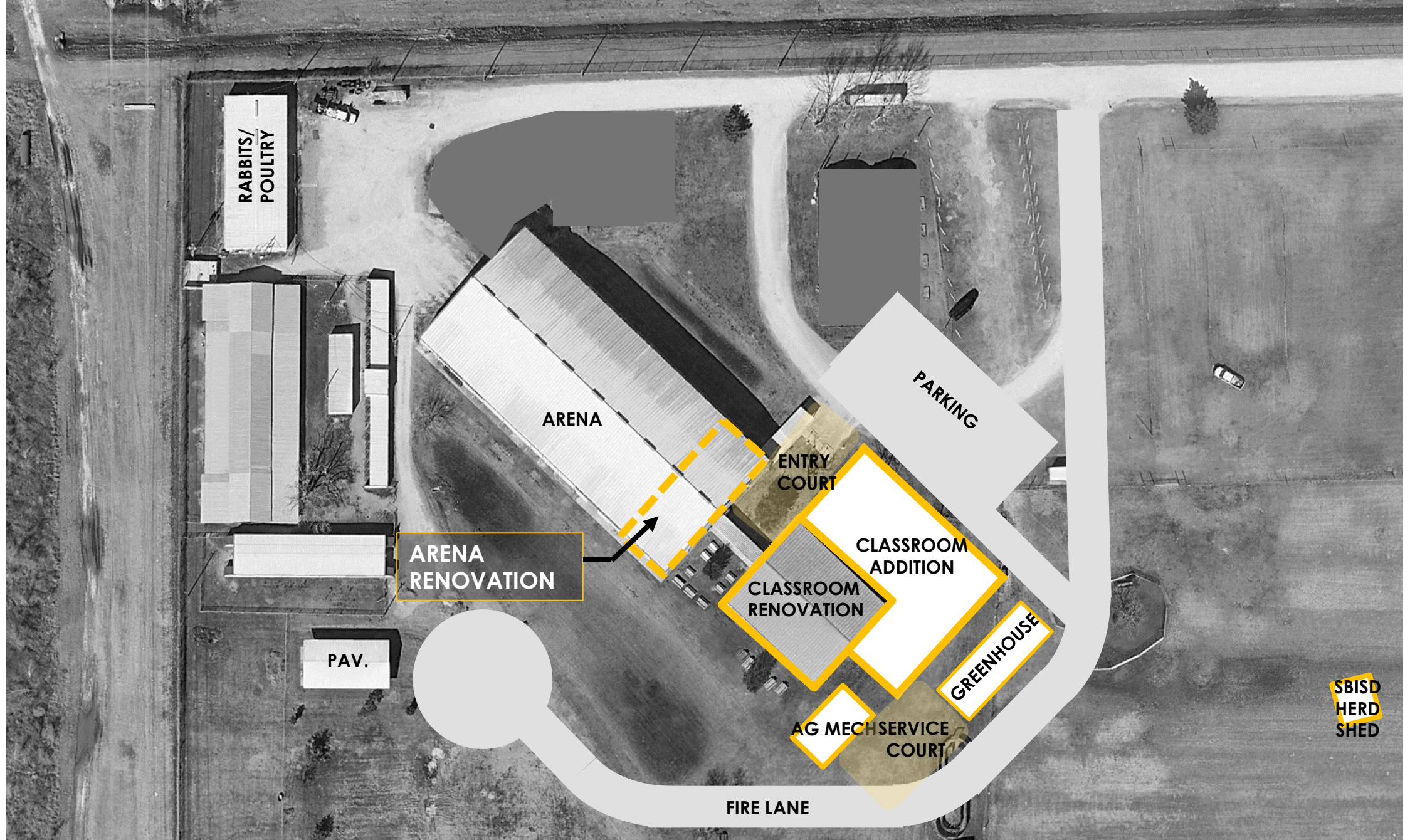




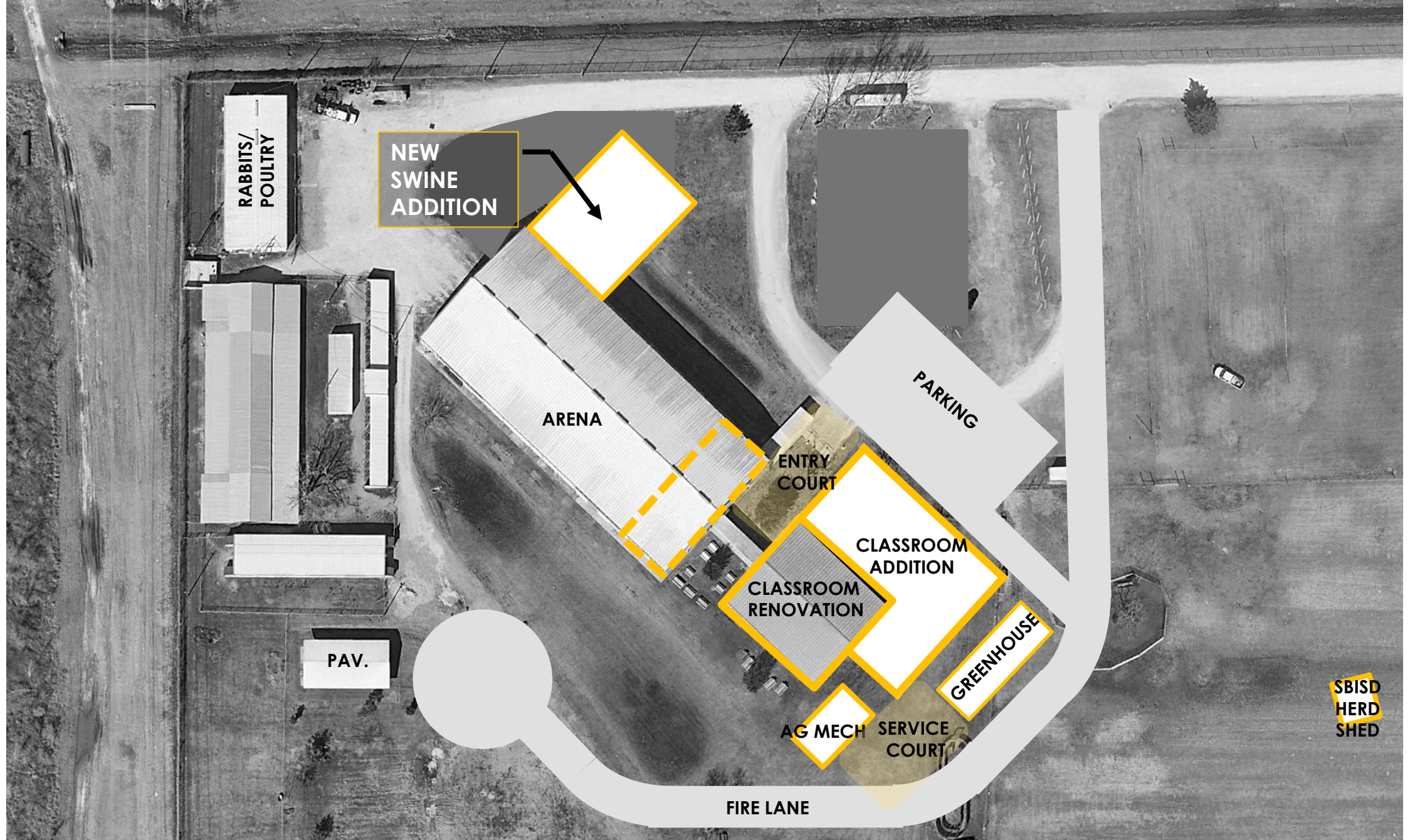
PRIORITY 1 – Ag Science Classrooms (Renovation & Addition)



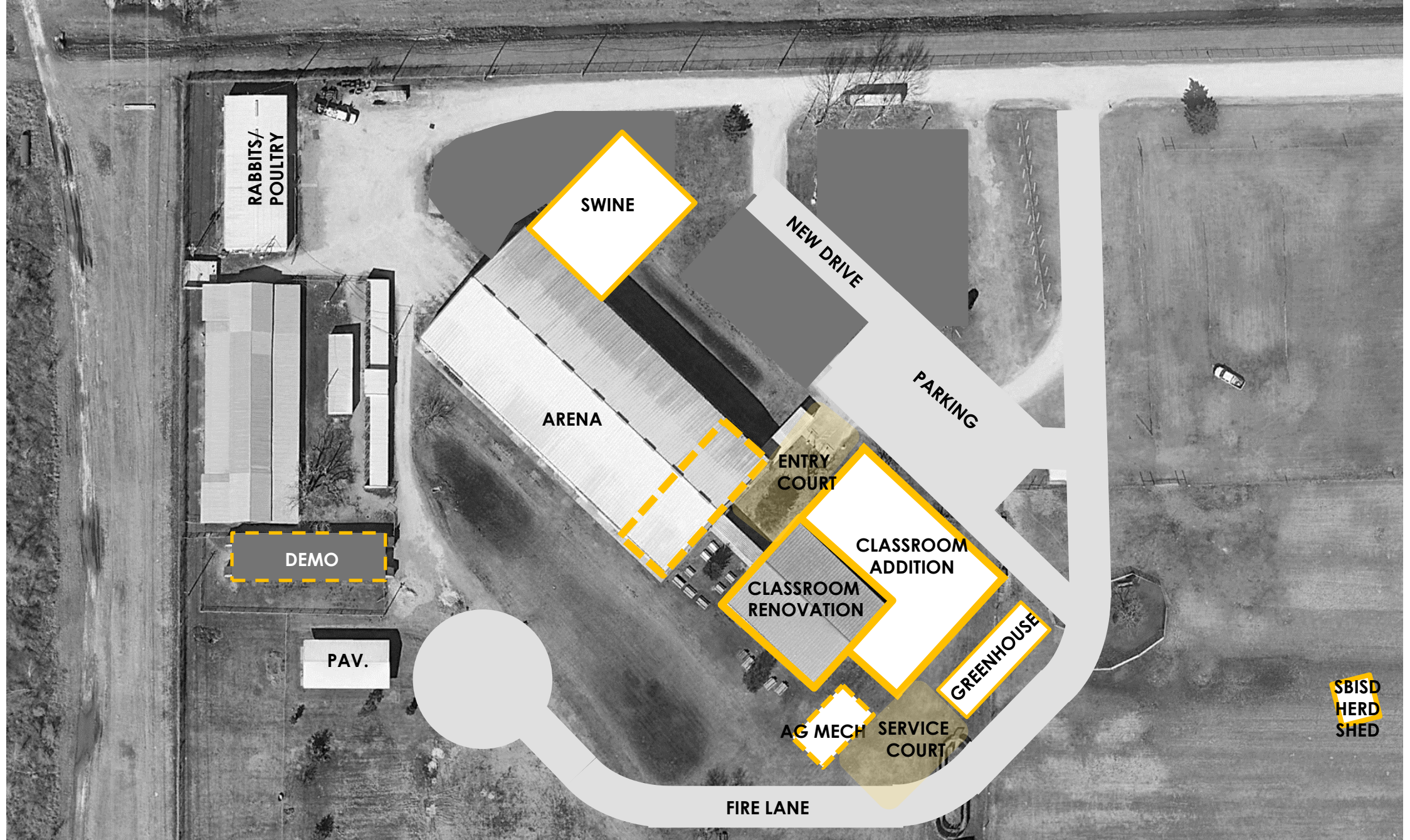
PRIORITY 2 – Ag Mech and Greenhouse (Rebuilds + Demo Existing)



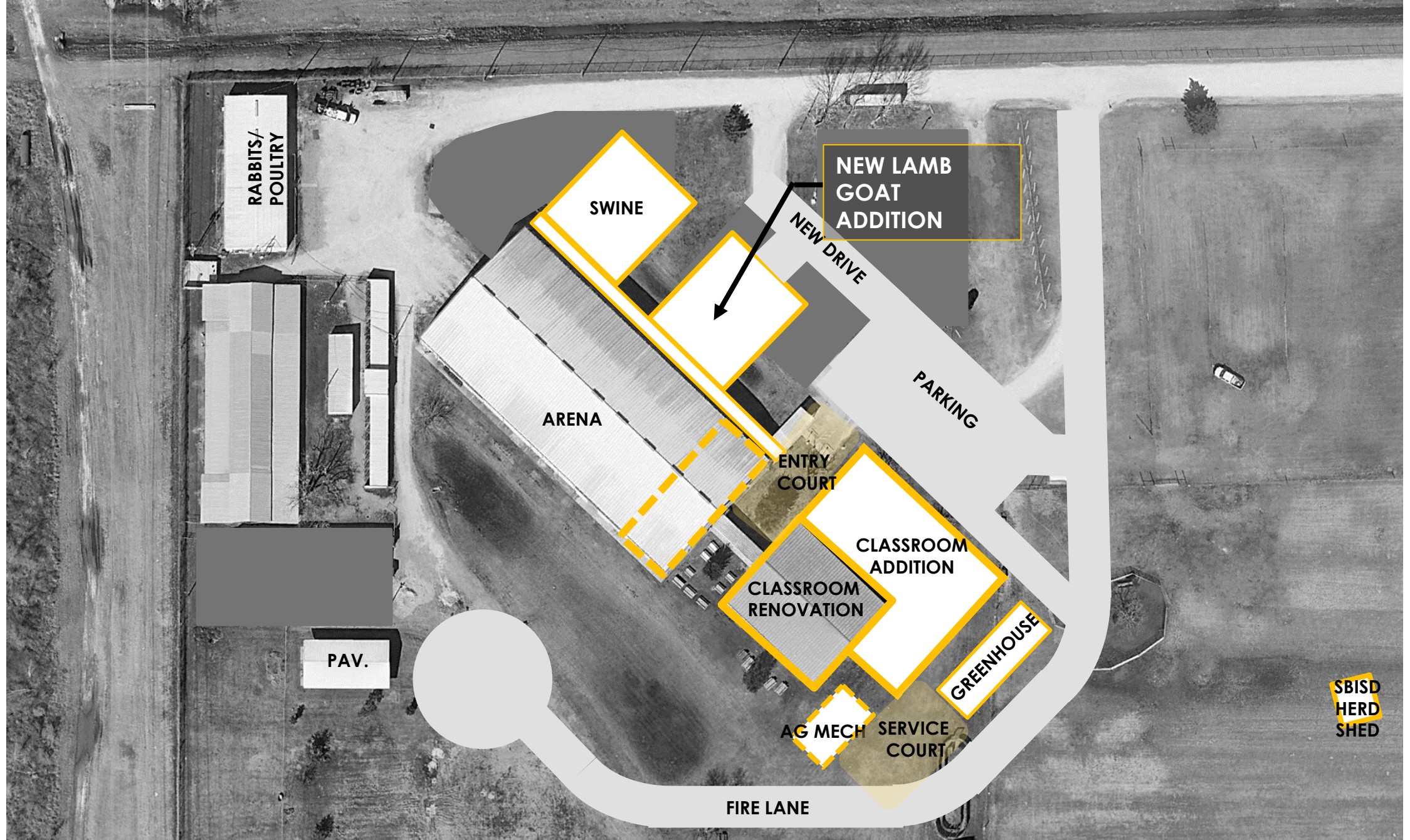
PRIORITY 3 – Show Arena (Renovations)



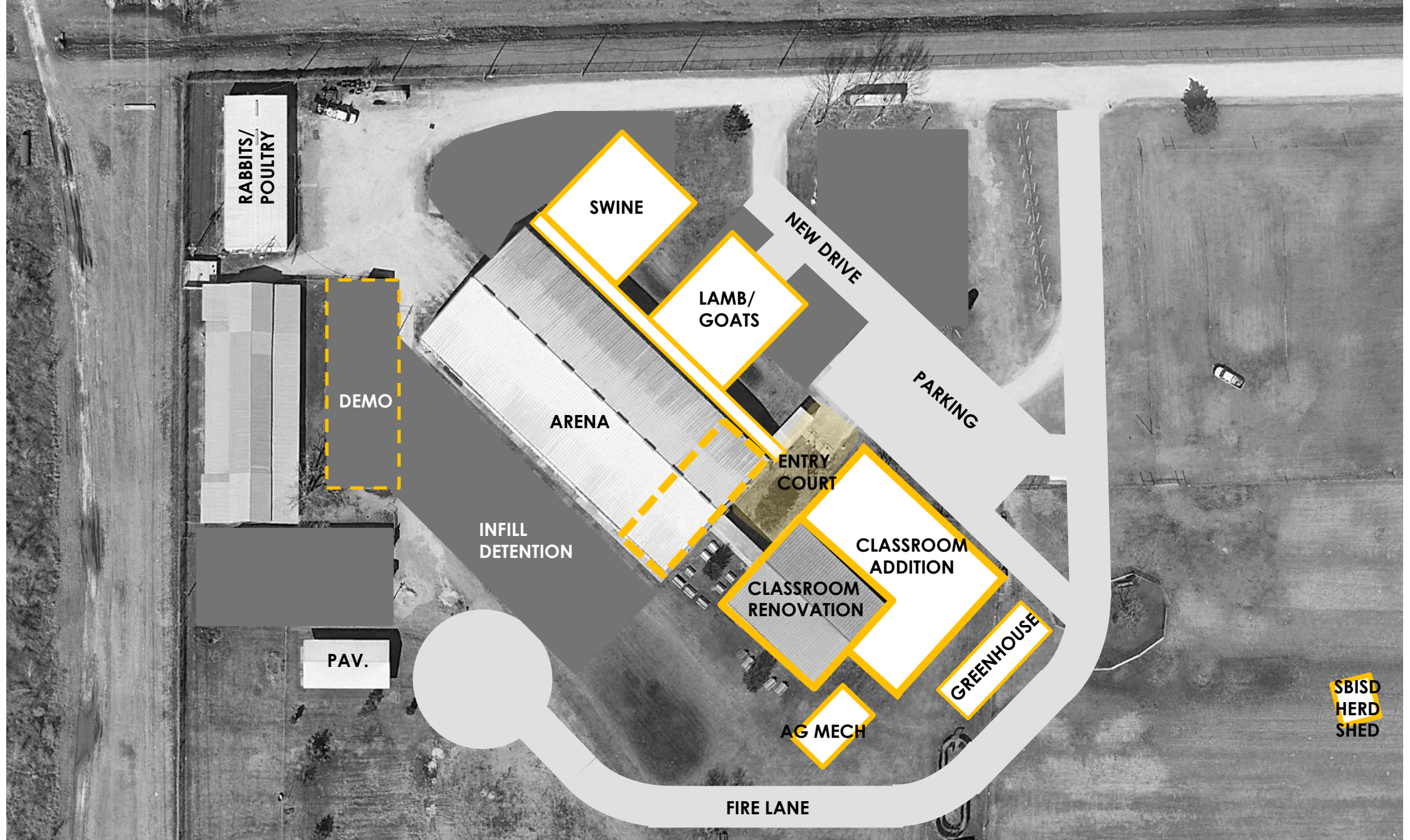
PRIORITY 4.1 – Animal Pen Rebuilds (Addition: Swine Pens)



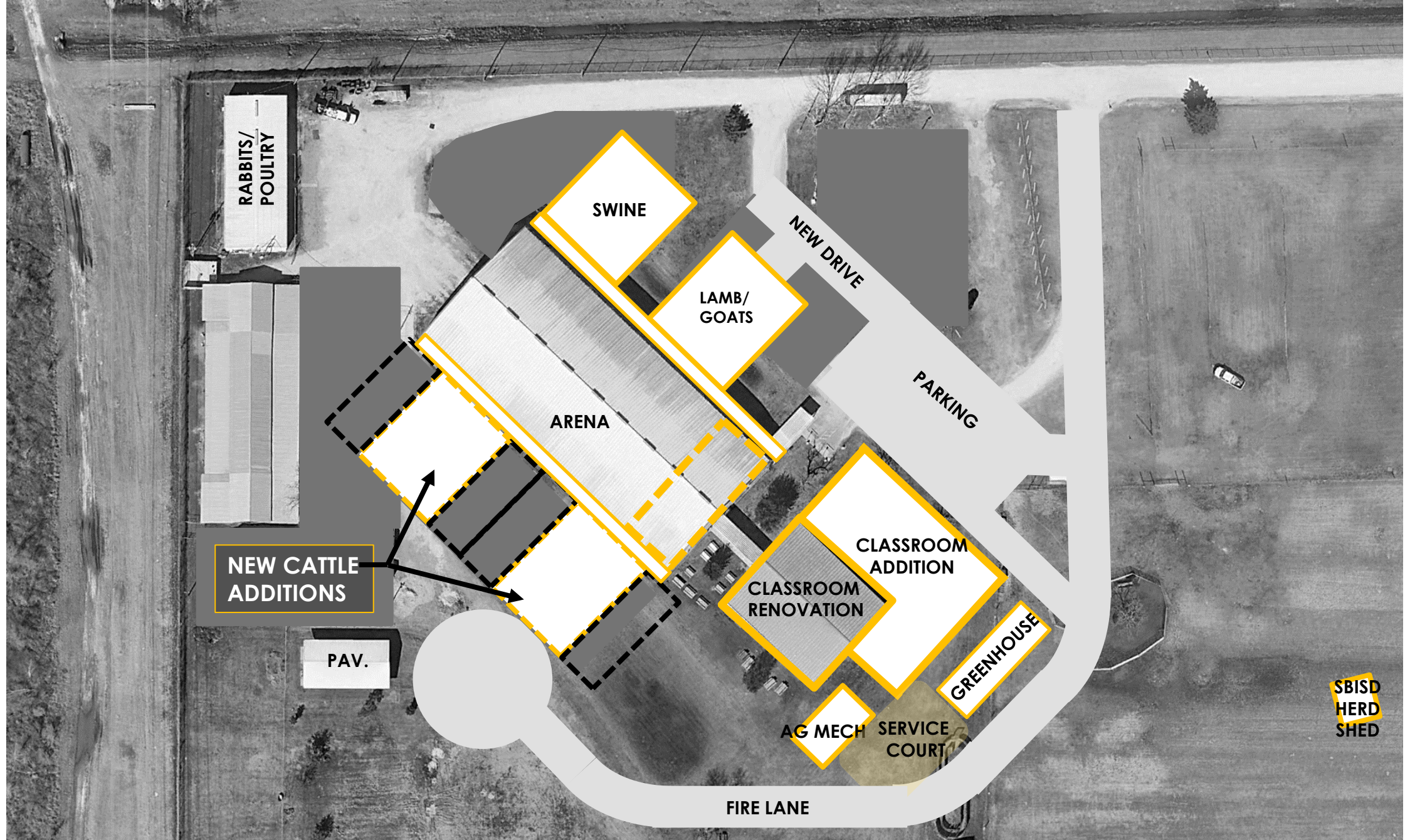
PRIORITY 4.1 – Animal Pen Rebuilds (Demo: Existing Swine Pens)



PRIORITY 4.2 – Animal Pen Rebuilds (Addition: Lamb / Goat Pens)

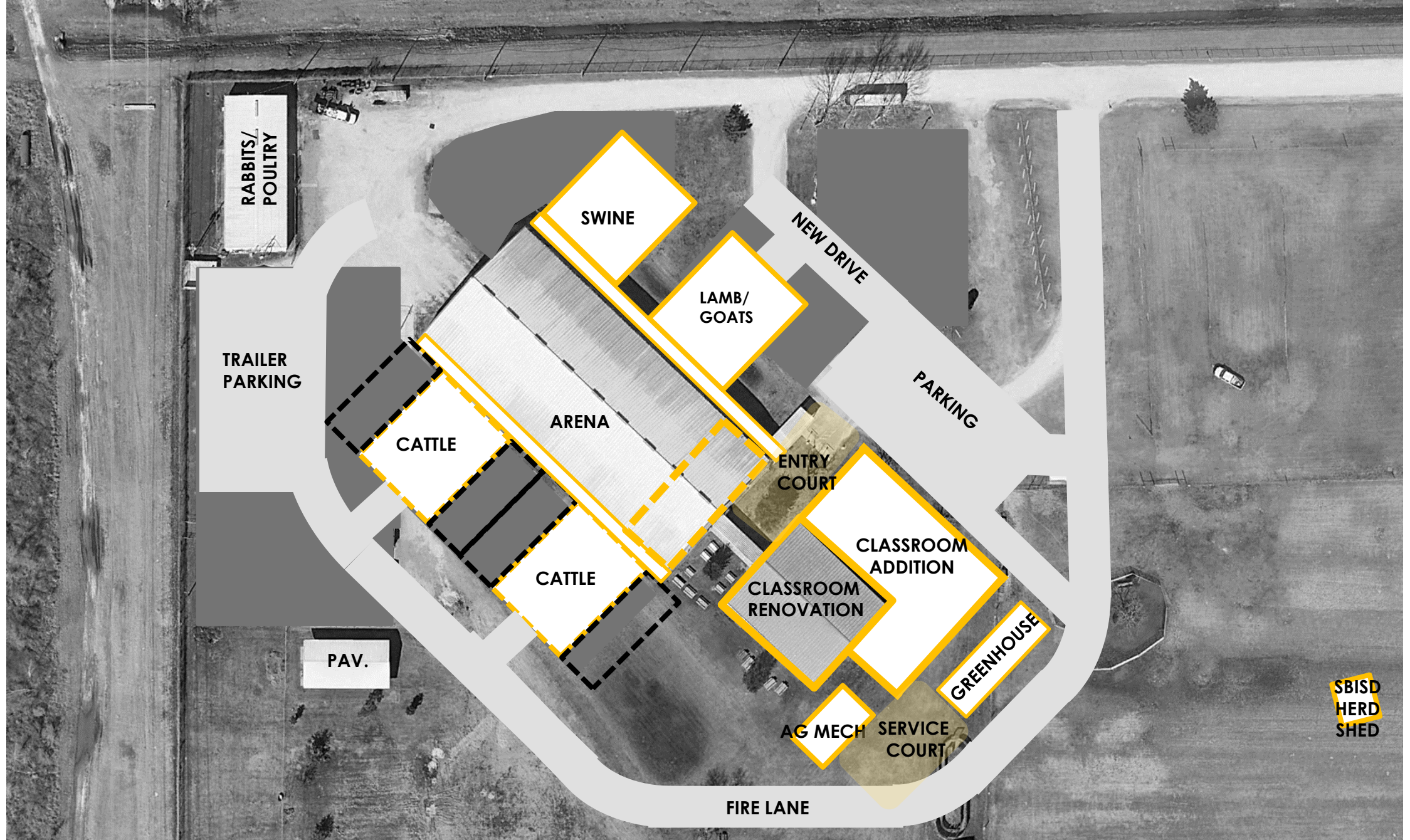


PRIORITY 4.2 – Animal Pen Rebuilds (Demo: Existing Lamb/Goat Pens)

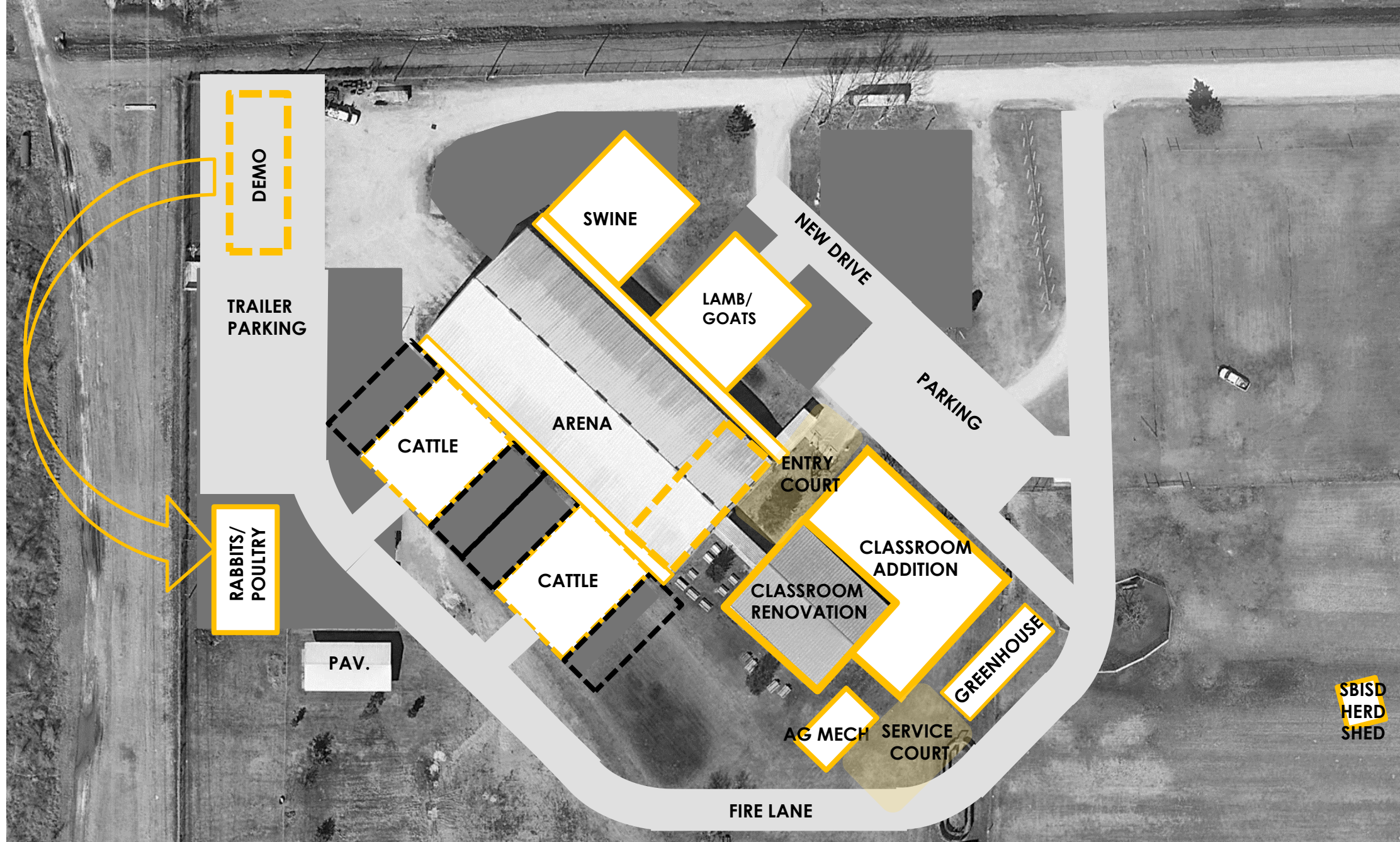


SBISD
HERD
SHED

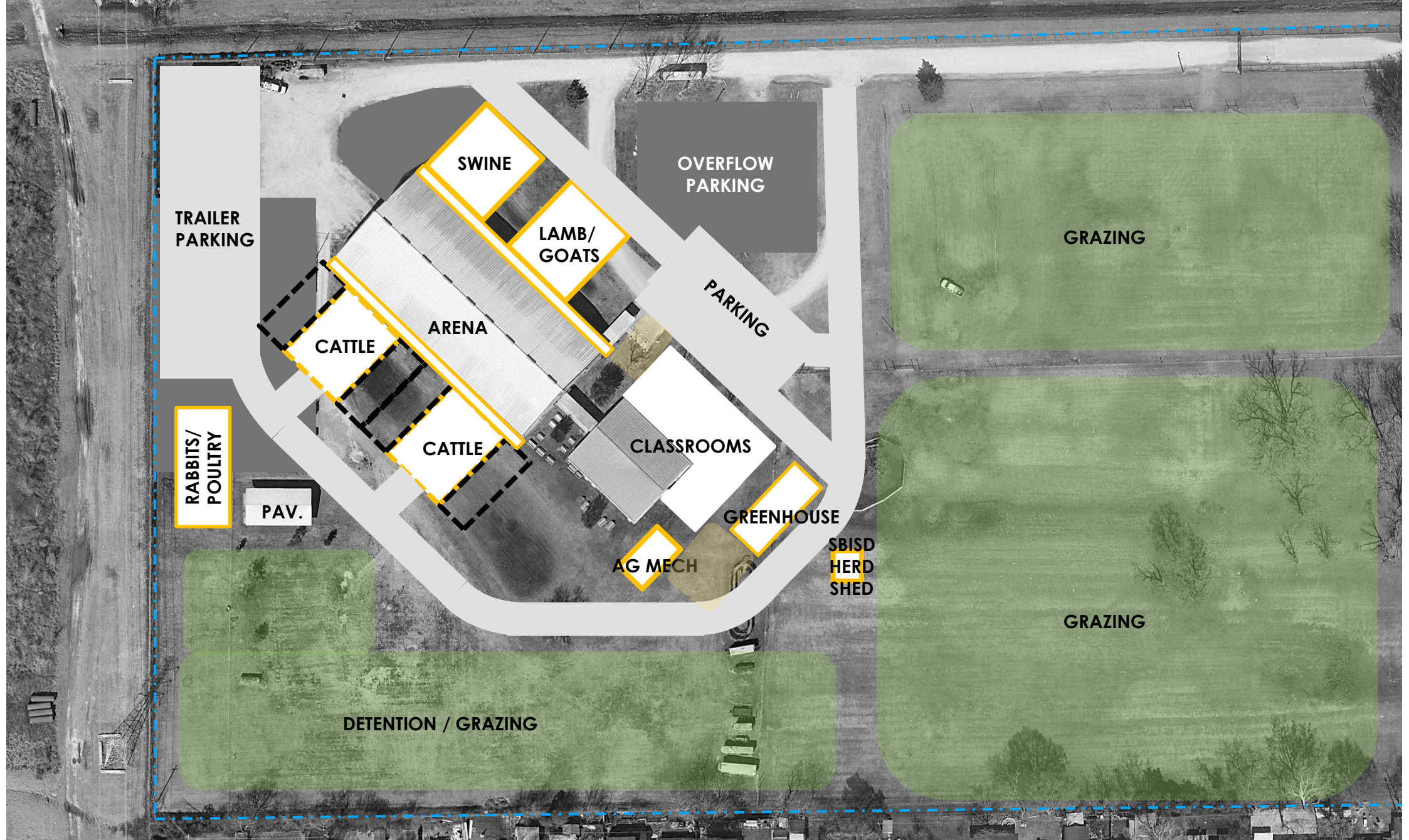
PRIORITY 4.3 – Animal Pen Rebuilds (Addition: Cattle Pens)



PRIORITY 4.3 – Animal Pen Rebuilds (Demo: Exist Cattle Pens + Add: Trailer Parking)

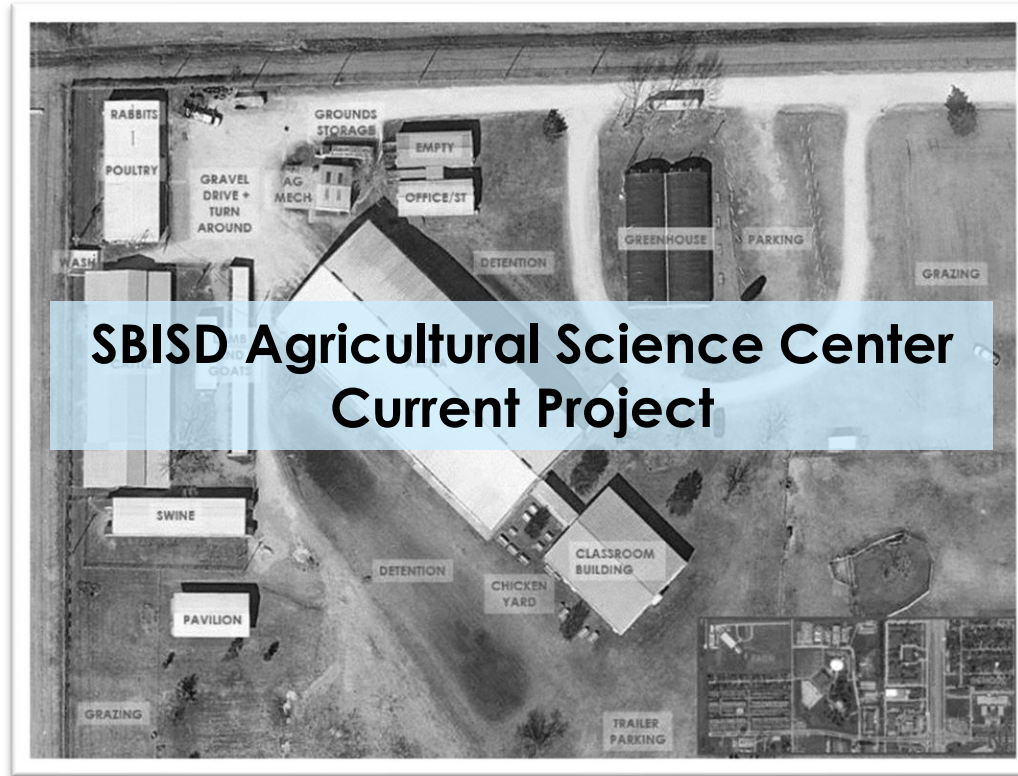


SBISD
HERD
SHED





Master Plan – Current Project Reminder



**The Current 2017 + 2022 Bond Program Funding
will NOT realize the full Master Plan**



Item 4b

PAT MTG #2: ENGAGEMENT
SITE PATHWAYS – PART 2





PAT Mtg#2 Engagement: Site Pathways Part 2

Diagram the access and areas that support:



30 mins for Engagement Activity:

15 minutes of Group table work

15 minutes of Group share out



Students

- Arrival / Parking
- Instructional Spaces
- Animal Care Spaces



Staff

- Arrival / Parking
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- Facility Upkeep



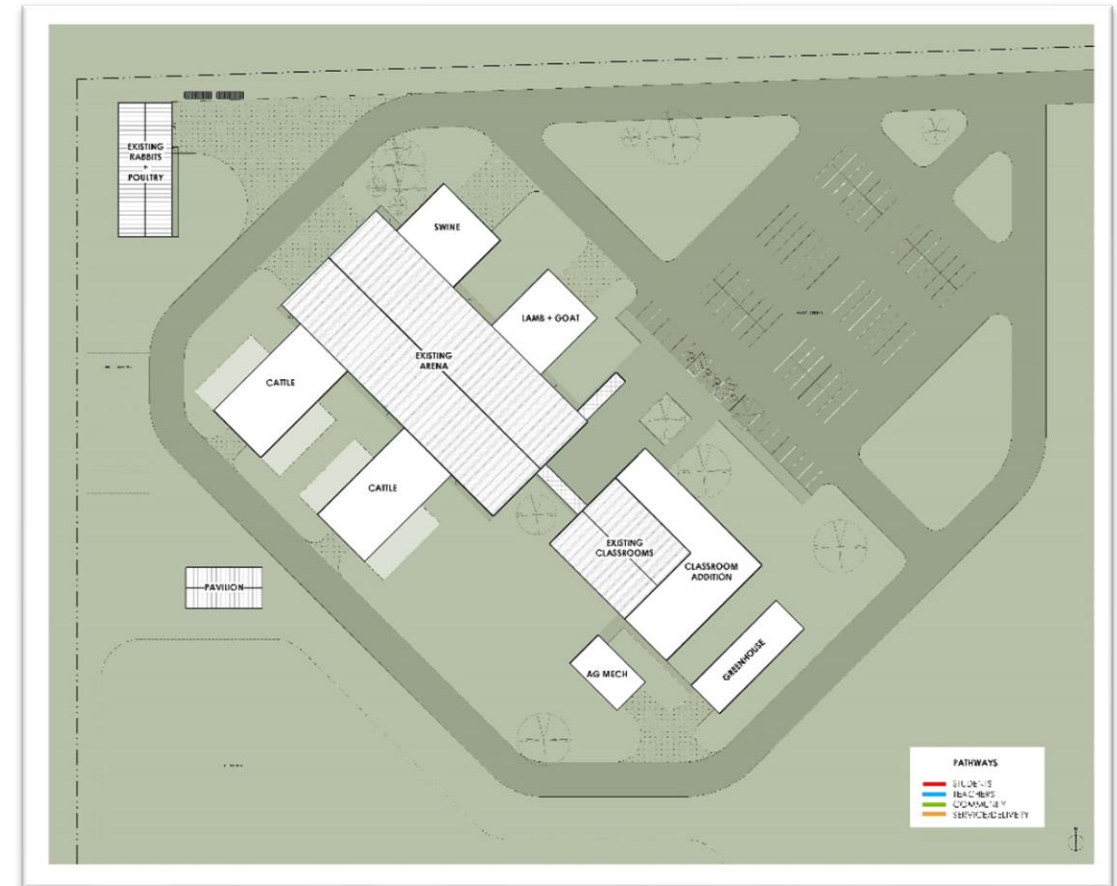
Community

- Guest Presenters
- Santa's Farm
- Show & Sale
- School Field Trips
- **Grooming & Vet Med Customers**
- **Floral Design Customers**



Service & Delivery

- Student Animal Feed & Care
- District Animal Feed & Care
- Concession Restocking
- Equipment / Facility Maintenance
- **Floral & Vet Med Supply Deliveries**
- **Ag Mech Shop Supply Stocking**
- **Greenhouse Supply Stocking**



Item 6

NEXT STEPS

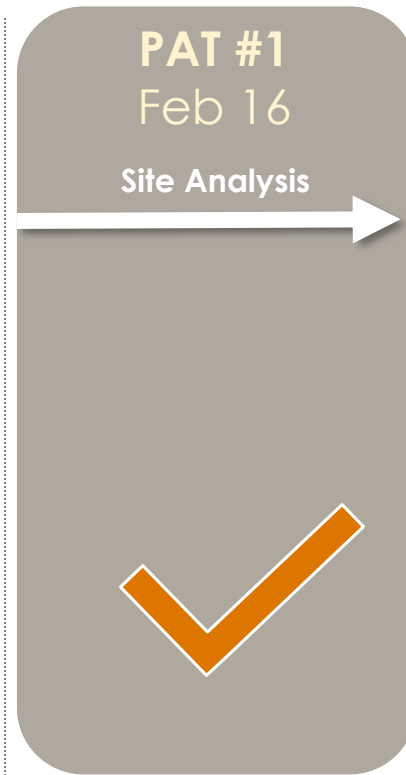




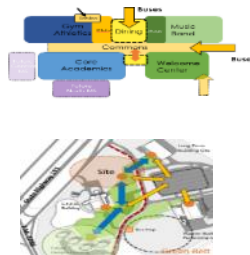
PAT Engagement – ASC Meeting Progression Overview

- Site Influences
- Site/Building Organization
- Functional Relationships
- Architectural Expression

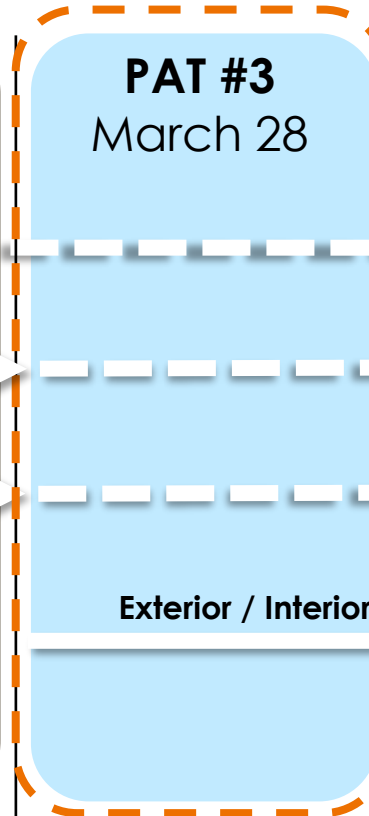
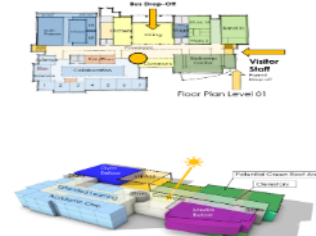
February 2023



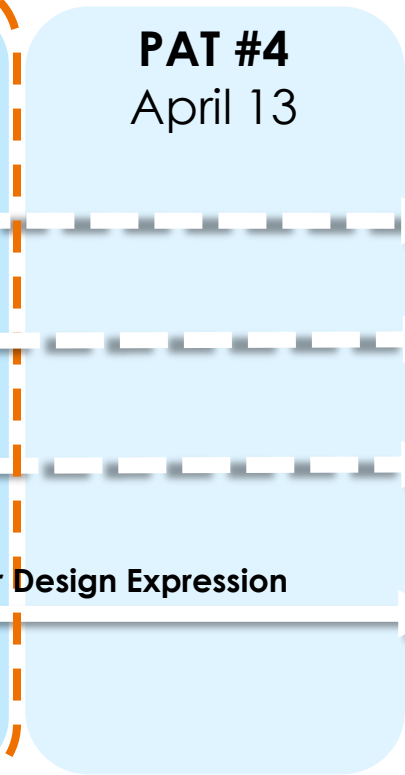
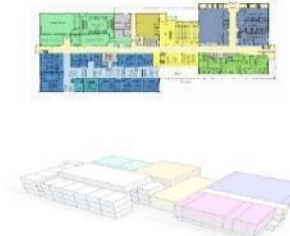
CONCEPTUALIZE



EXPLORE



DEVELOP



REFINE



PAT Consensus
April 2023



Next Steps – PAT Meeting#3 Preview

Thursday, March 28th @ 4:00 pm

PAT Mtg #2 Activity



Create a transformational destination campus that embraces and supports all students with equity.
The Agricultural Science Center is a unique, centralized facility that serves multiple district feeder schools. It represents a shift away from normal instructional provisions, location and mindset.

Create an environment that is rooted in its connection to nature and animals but explores innovation and technologies.
The Agricultural Science Center is a place that is rooted in nature while providing state-of-the-art facilities to study in.

Create a learning facility that supports experiential learning and creates opportunities for students to gain real-world experience through hands-on activities.
The ASC supports learning by doing – it's a place to get your hands a little dirty.

Create a campus that embodies scholarship, leadership, and entrepreneurial values.
Learning at the ASC comes in many forms and develops the students in a holistic manner.

Guiding Principles



PAT Mtg#2 Engagement: Site Pathways Part 2

Diagram the access and areas that support:



Students

- Arrival / Parking
- Instructional Spaces
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Staff

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- Animal Care Spaces
- Facility Upkeep



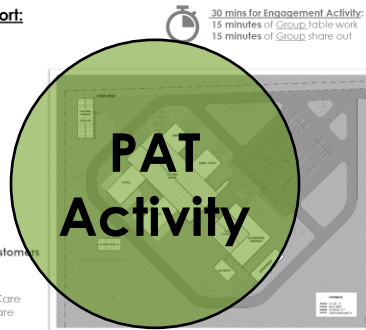
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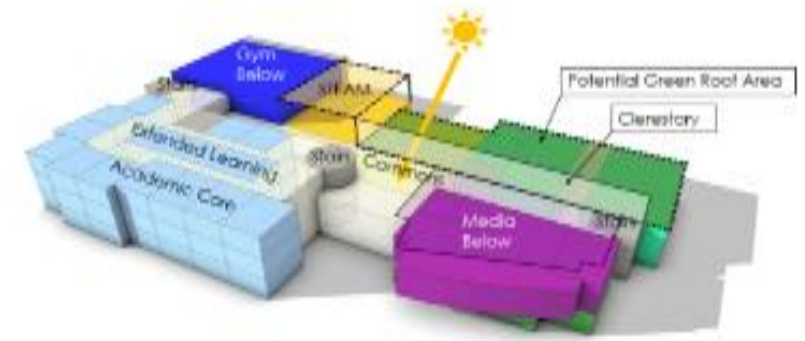


PAT Activity

Building Organization + Exterior Identity



Floor Plan Diagrams



Stacking & Massing Diagrams