MHS Ag expansion and 5 year plan

The curriculum plan and how it will work / IQPS Standard Achievement and funding.

IQPS Standards Overview

IQPS Standards Overview (Physical Facilities)

IQPS Standard 1- Program Planning, Design and Curriculum

IQPS Standard 2- Instruction and Assessment

IQPS Standard 3- Facilities and Equipment

IQPS Standard 4- Experiential Learning (SAE)

IQPS Standard 5- Leadership Development

IQPS Standard 6- Partnership and Marketing

IQPS Standard 7- Certified Ag Ed Instructor and Professional Growth

- There are also additional reports and documentation that are required to qualify for the IQPS funding

IQPS Standards Overview (Instructor Activities)

Extended contract IQPS Standard #2,4,5,7

- Contract issues (**Extending to 50 days allows us focus more on student achievement and build an effective program)**
- Extended contract payment issues
- Inclusion / Explanation of extended activities that take place during “Contracted Days”

Summer Ag Program IQPS Standard #2,4,5,7

- Priority of summer activities (SAE visits, Summer Ag, Fair Prep, Professional Development, Food Booth
- Hook into “summer school” - teach -- district pay for some of the contract??

Ag becoming their own CTE administration IQPS all standards

Course offerings and facilities correlation IQPS Standard 1,2, and 3

IQPS Standard 1: Program Planning, Design & Curriculum

An exemplary program must include;

The agricultural education curriculum includes:

1.) Approved Ag/NR courses;

2.) Course names & descriptions;

3.) Course objectives/ competencies;

4.) Course sequences;

5.) Course prerequisites; and

6.) Staffing assignments for all courses.

Current Minico High Schools Agriculture Education Program Course Offering

Welding

Intro to Ag Mechanics
Ag Welding
Advanced Ag Welding
Ag Fabrication
Small Engines

Plant Systems

Botany Plant and Soil Science
Botany Horticulture
Greenhouse Management

Animal Systems (Only complete Pathway)

Intro to Livestock
Zoology
Equine Science
Veterinary Science

Biology

Current Minico High School Agriculture Education Program Limitations

Welding

Shop Space / Orientation
Equipment Repair
Electricity (location / outlets)
Small Overhead Doors

Plant Systems

Growing Facilities
Storage
Combined areas for planting and growing

Animal Systems

Livestock Handling Facilities
Holding pens

Biology

consumes 9 course offerings

Minico High Schools Agriculture Education Vision Description

Welding
Intro to Ag Mechanics
Ag Welding
Advanced Ag Welding
Ag Fabrication

Agriculture Mechanics
Intro to Ag Mechanics
Small Engines
Ag Power Systems
Ag Electricity and Hydraulics
Ag Machinery

Agricultural Biology / Biotechnology

Plant and Soil Systems
Greenhouse Management
Plant and Soil Science
Applied Crop Management
Botany Horticulture
Botany Plant and Soil Science
Plant Development

Agriculture Leadership
Leadership and Marketing
Personal Skill Development (could count as a speech credit)

Agriculture Literacy

Animal Systems
Intro To Livestock
Zoology
Equine Science
Veterinary Science
Animal Reproduction
Animal Nutrition
Fish and Wildlife
Small Animal Care

Agri Business Management
Ag Sales

Food Science
Industry and Production Driven

Ag Facilities Expansion

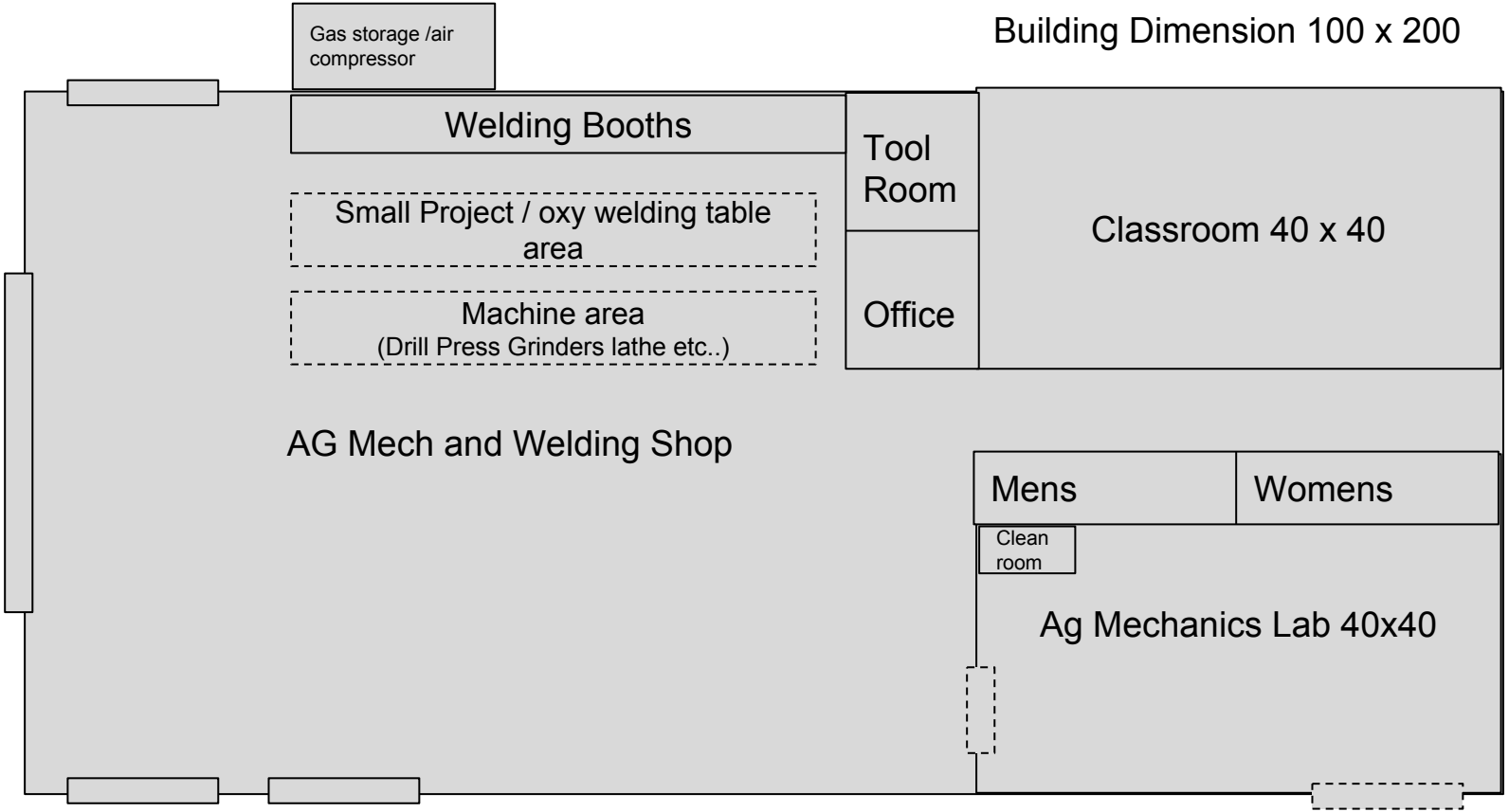
IQPS Standard 3: Facilities & Equipment

An exemplary program must include:

The agricultural education program has **a facility appropriate for the instructional needs of the courses offered** and student enrollment.

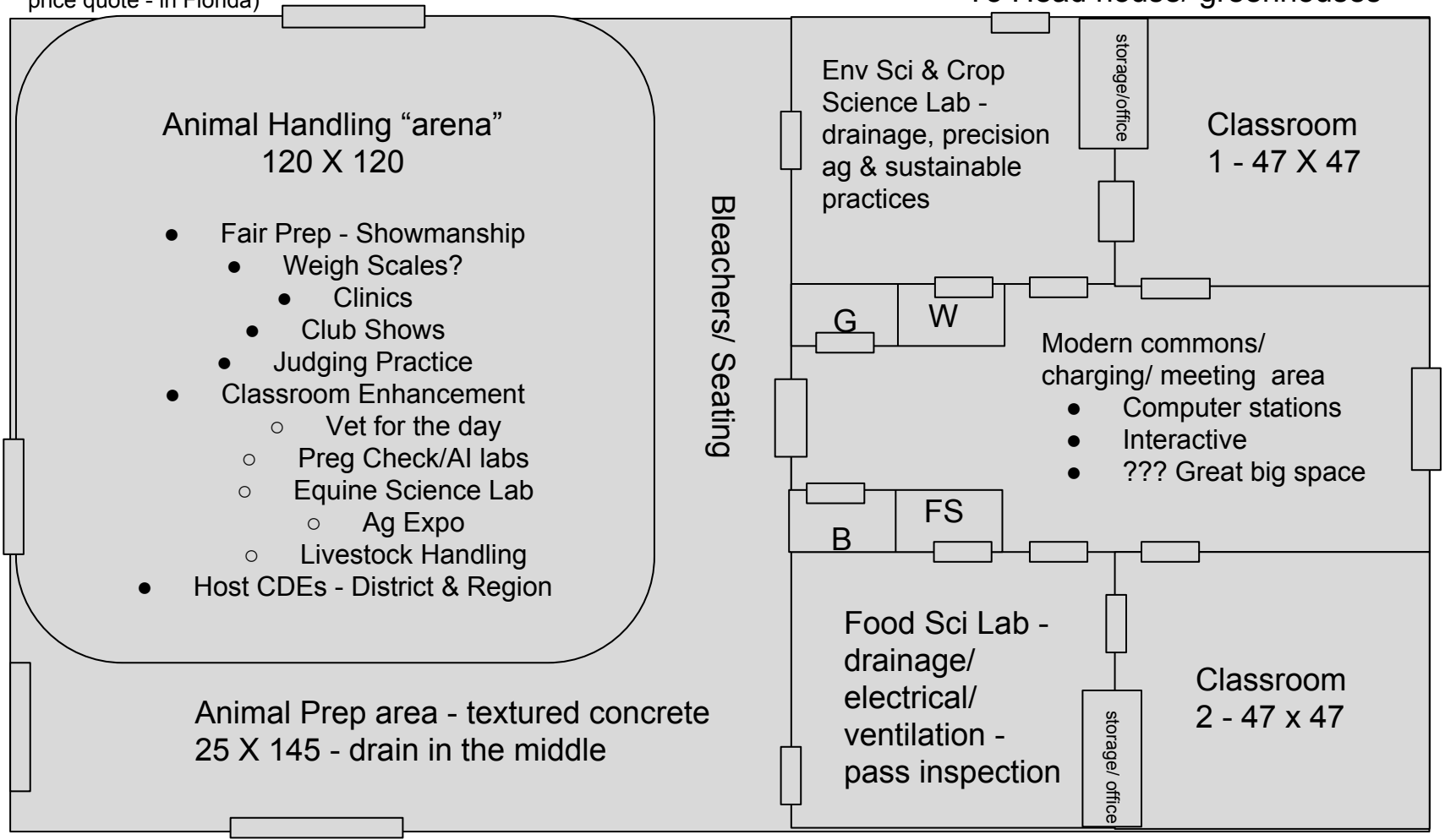
The **facility layout and size allows for a variety of program changes. Equipment is available for student experiential learning so each student can maximize practice.** Student accessibility is provided in all program areas.

New Ag Mechanics Facility

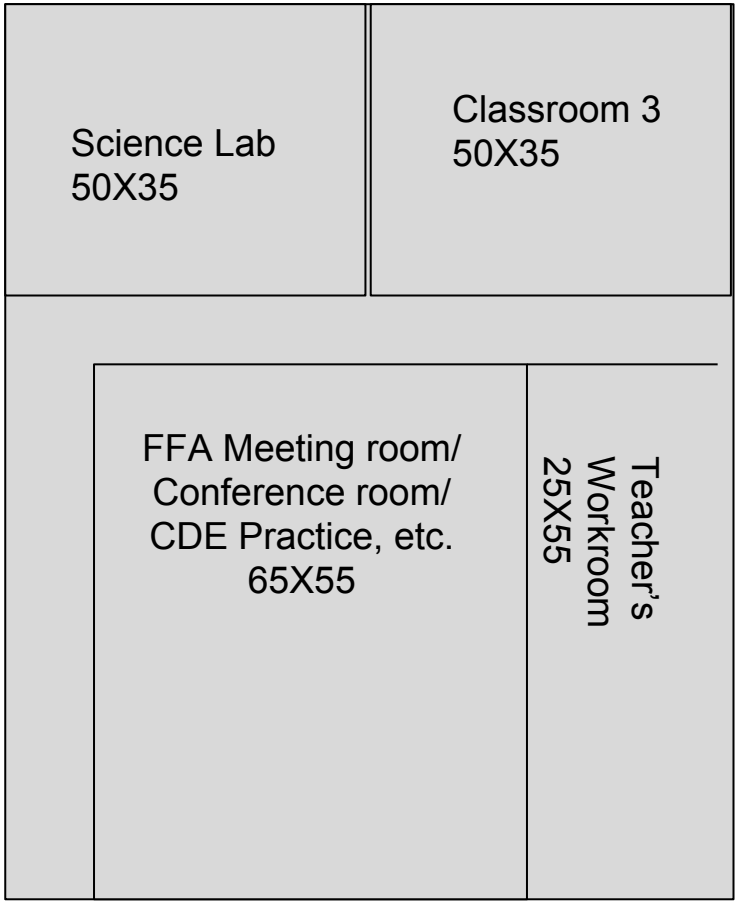

Gas storage /air compressor
Building Dimension 100 x 200
Welding Booths
Tool Room
Classroom 40 x 40
Small Project / oxy welding table area
Machine area
(Drill Press Grinders lathe etc..)
Office
AG Mech and Welding Shop
Mens
Womens
Clean room
Ag Mechanics Lab 40x40

New Ag Science Facility

Ag Science Building - 150 X 250 (metal building - $250,000 internet price quote - in Florida)

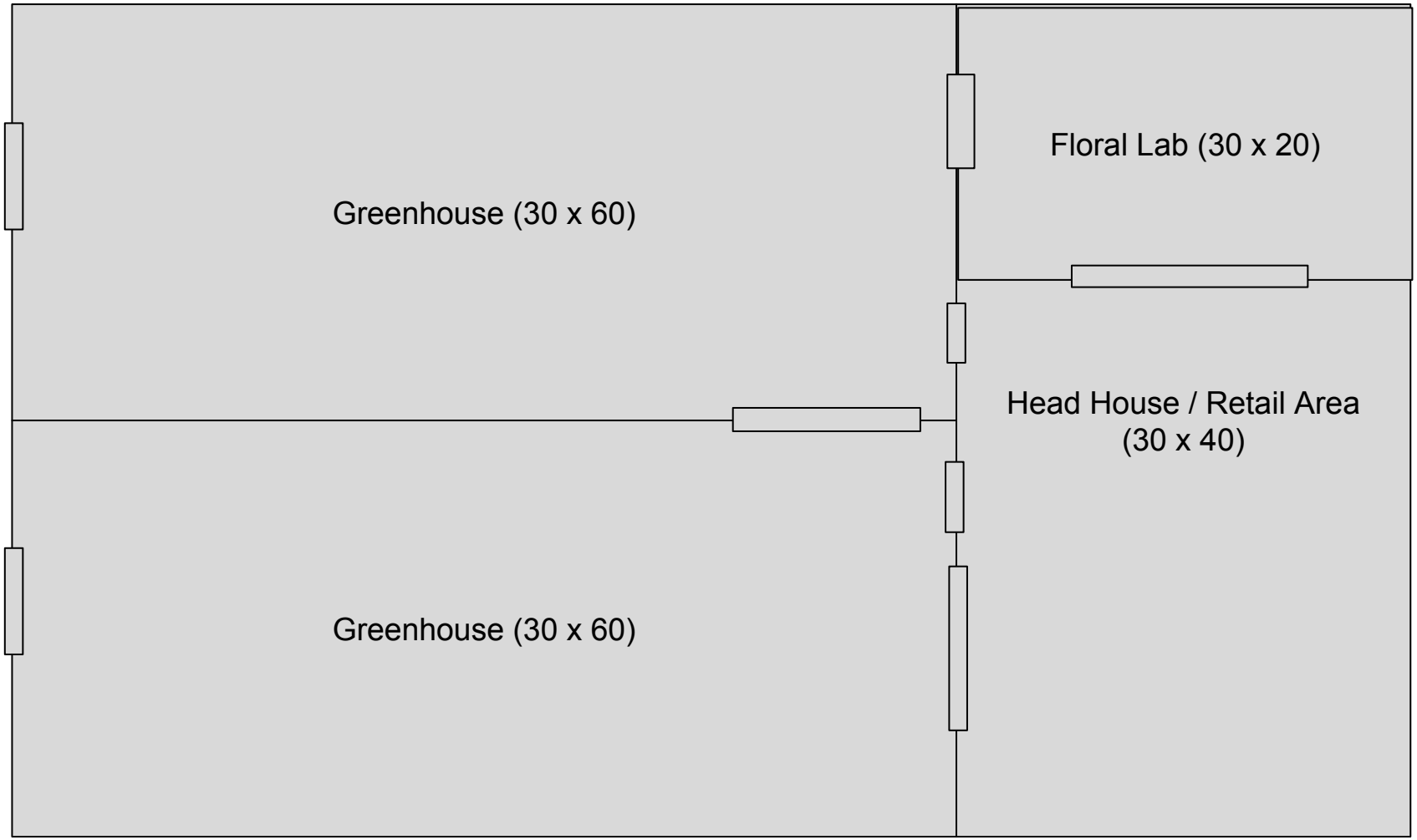


Mezzanine 100 x 100

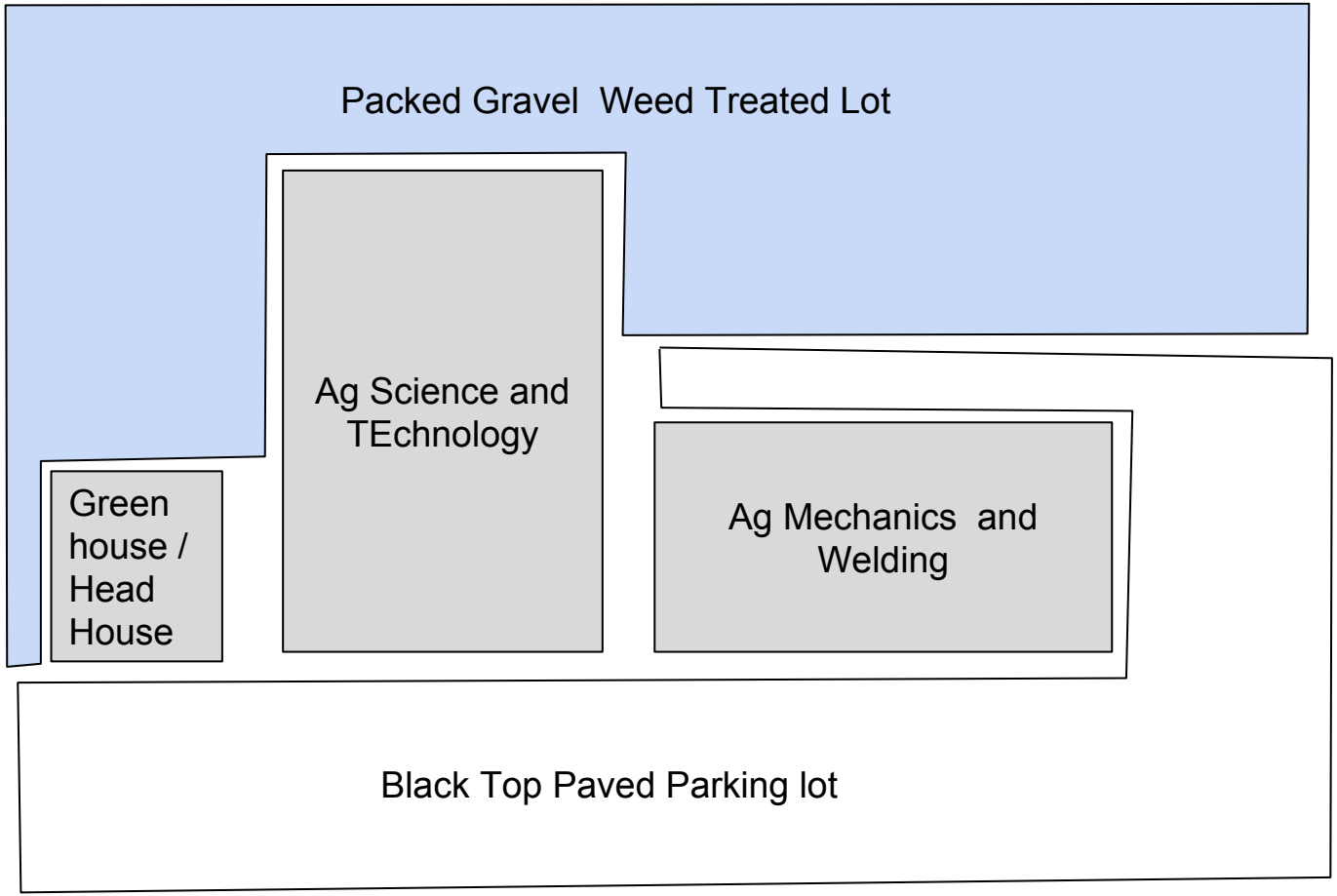


Greenhouse / Plant and Crop Science Lab

Clark Plant and Crop Science Lab?


Floral Lab (30 x 20)
Greenhouse (30 x 60)
Head House / Retail Area
(30 x 40)
Greenhouse (30 x 60)

Ag Campus Layout


Packed Gravel Weed Treated Lot
Ag Science and TEchnology
Green house / Head House
Ag Mechanics and Welding
Black Top Paved Parking lot

Funding proposal and budgeting

Ag Campus Budget

- Ag Mechanics / Welding Shop - $1.5M
- Ag Science and Technology - $2.5M
- Green House / Plant and Crop Science Lab - $500K
- Landscaping / Infrastructure / Paving - $1M

These figures include building construction and finishing to include all plumbing / electrical fixtures etc..

These figures do not include any equipment. We will use any funds left after construction to acquire equipment.

Agriculture is not the only CTE program that will benefit from the expansion

Diesel Tech, Woodshop / CTE Program expansion funding

- $2M to be used to retrofit the existing Ag Mech Shop / Ag Science classroom to be used for other CTE Courses.
- Use the current Ag Mech shop for a new wood shop.
- Combine the area currently used for Wood shop, Diesel, Ag Science to create a new Diesel Tech Shop.

These changes would more than double the woodshop area and triple the size of the diesel Tech area.

This money can also be used to expand all other CTE Programs.