

## **JONESBOROUGH AGRICULTURE LEARNING CENTER PROJECT PROPSAL**

The Town of Jonesborough is partnering with the Washington County School System and local agriculture based agencies to develop an Agriculture Learning Center (ALC) in association with the construction of a new Jonesborough K-8 School currently in design. Funding is being requested to assist in the construction of the Agriculture Learning Center building that will be a separate facility from but in very close proximity to the new Jonesborough School. An agriculture based curriculum will be developed for K-8 students resulting in on-going instruction during the day while school is in session. After hours, weekends and in summer months the ALC will be used by various partnering agencies to undertake educational programs for all ages, teaching gardening and farming skills and concepts as well as good nutrition and culinary techniques.

### **PROJECT OVERVIEW AND GOALS:**

The Agriculture Learning Center project is a two-year initiative that, if funded, is intended to be designed in the first half of 2021 with construction beginning in late summer of 2021. The project also includes the development of an innovative curriculum in teaching sustainable gardening and small farming skills to K-8 students as well as good nutrition and food preparation skills. Curriculum development will be undertaken by a collaborative effort of Town, school and agency personnel that have a substantial background in agriculture based instruction. The curriculum team will have the goal of developing a creative educational program for young people that will help establish a sustainable interest in growing their own produce and food products that will continue through the upper grades and as adults. By the time young people reach middle school age, they have established their interest areas. It is important that these young students have the opportunity to learn a wide variety of skills that will help them be more self-reliant, more healthy, more capable of addressing the issues occurring in everyday life, and more knowledge about how to be successful in gardening and small farming.

It is expected that the Agriculture Learning Center will be constructed and available for use by the summer of 2022 before the completion of the Jonesborough K-8 School scheduled for August, 2023. This will allow the facility to be used by partnering agencies, and provide time to properly prepare outside growing areas, equipment acquisition, and functionality testing of the facility and curriculum before students enter the new school building. More specifically, the Agriculture Learning Center (ALC) is being developed as the "home" facility to undertake the following activities:

**Construct a building that becomes the Jonesborough Agriculture Learning Center for the purpose of establishing a top-notch facility to facilitate training of children and adults in agricultural skills and concepts with the intent of creating sustainable sources of healthy food products.**

- The Town will facilitate the input from the project partners into the ALC design to ensure the facility provides the agricultural building amenities that foster the best learning environment. Project management will also be provided by the Town to make sure a quality contractor is obtained to construct the ALC, and Town staff will be responsible for overseeing the installation and construction of the demonstration technology facilities.



The components of the ALC building will include the following:

- a. A walk-in cooler
- b. Small commercial kitchen
- c. Classroom area with technical connections
- d. Potting shed area
- e. Covered but open pavilion area
- f. Storage room
- g. Restrooms

During the numerous interactions among the project partners in developing all aspects of the ALC building design, construction and programming, the partners will develop a schedule of facility use that accommodates all participants and maximizes use the new instructional facility.

**Develop a K-8 curriculum in teaching farming and gardening skills that helps school age children become familiar with growing skills and concepts that help them develop an interest in farming and gardening with the intent of creating future local farmers, and at the very least master gardeners that become a source of locally grown healthy food products and beautification efforts in Washington County and the region.**

- The Town will work with project partners to develop an appropriate curriculum for teaching k-8 students about gardening, nutrition and cooking skills. Partners will research any similar programs, whether school sponsored or through any government or non-profit organizations from across the country, to develop a resource compilation of best practices and innovative activities that will help create a highly effective and creative K-8 curriculum. The curriculum developed will be submitted to the Washington County Schools and the TN Department of Educations for review and approval. Teachers undertaking the ALC program will be trained in all aspects of the curriculum before the Center is opened to students. The K-8 curriculum developed will be made available to any other school program in Tennessee interested in teaching agriculture based skills.

**Operate a training program for K-8 students that teaches emerging technologies of growing produce and creating food products in a more urban environment including, but not limited to, techniques in raised beds, green walls and container and pot gardening; hydroponics, greenhouse use, community gardening, as well as more typical home gardening and small farm field cropping with the intent of providing hands-on instruction through the in-school program. Also, provide training for older youth and adults when school is not in session. Instruction will take place in a newly constructed facility designed to facilitate in-school and community-based instruction in growing and preparing healthy food.**

**Establish a training program in developing community gardens, and create a group of student facilitators and instructors that work with various community churches, community centers and organizations with the intent to form a community garden network growing healthy produce that especially serves low income persons and families.**



- Project partners will conduct a survey to determine where community gardens exist in Washington County, and make a list of possible locations associated with churches, community centers and other schools that instructors can use to help direct participating students in their planning exercises. The partners will research effective methods of establishing community gardens and the important characteristics of successful community gardens that make them sustainable. Instruction guides will be developed by the partners that will focus on key food production skills that are specifically helpful in a community garden setting. All the information collected and guides developed along with principles learned through the instruction and implementation of the program will be combined into a How-To Manual to possibly assist efforts in other communities.

**Create a program within the ALC that trains school age children on the importance of good nutrition. The ALC will include a small commercial kitchen to facilitate instruction. The program will help them learn to prepare and cook healthy meals, with the intent that they learn good eating habits and have the self-reliance to carry this knowledge and skills into their adult lives. This culinary component of the ALC will also be designed to train interested adults when the K-8 school is not in session.**

- Work with the Extension Service, Family Consumer Science Agent, Boones Street Market chef and solicit assistance from other area chefs to develop an instructional plan in the culinary arts to prepare and cook healthy meals that are utilizing the produce and any other food to be grown at the ALC. Make initial contacts with consulting chefs to ensure that the small commercial kitchen is developed to be as effective as possible in an instructional environment.

**Develop the facility and resources for teacher and volunteer training in order to establish a qualified group of additional instructors needed to sustain an in-school program.**

- Partnering agencies will work together to develop a group of possible instructors needed to assist with the ALC programming through a series of possible workshops that provide the educational support that results in a very qualified team of teachers to help carry out the instruction program.

Outcomes: The following outcomes are intended as a result of the development of the Agriculture Learning Center and its programming:

1. There will be a noticeable increase in student interest in gardening and farming activities that will be evident by:
  - a. Students are more knowledgeable after the first year of operation of the ALC in basic food production skills and concepts. Of an estimated 900 students in the first year, 75% or 650 will test more knowledgeable.
  - b. Students will actually grow food at home or their families are participating in the Appalachian Resource Conservation and Development Service's Build IT Up backyard gardening program. A projected 75 students will be growing their own food or be participating in Build It Up in Washington County



- c. There will be an increase in the participation in agricultural programming of partnering organizations after the first year of the ALC operation. The Extension Service 4H Program and the agricultural programs at Crockett High School are projected to increase 10% in participation.
  2. A training program is developed for 7<sup>th</sup> and 8<sup>th</sup> graders that gives them the skills to engage the community to increase the number of community gardens, especially in low income areas. After the first year of the ALC operation, the 7<sup>th</sup> and 8<sup>th</sup> grade group, projected to be 20 students, will:
    - a. Develop a strategic plan for community garden development.
    - b. Create a marketing and public relations plan for interacting with potential community participants.
    - c. Make contacts to obtain commitments from three (3) organizations to undertake community gardens, two of which are in food access deficit areas.
- Note: The intent in future years is to maintain the community garden group with new students each year at the school that continues to expand the number of community gardens and helps keep the community gardens that have been developed operational and productive.
3. Students in the middle school grades will be taught to properly prepare and cook healthy food from fresh produce. After the first year of operation:
    - a. 50% of the students taught these culinary skills, or 200 students, will be able to demonstrate how to properly select and prepare fresh produce.
    - b. 25% of the students taught, or 100 students, will report they have prepared meals with fresh produce at home.
  4. The Agriculture Learning Center is effectively utilized throughout the year with creative programming throughout the school day and used by at least three project partners after school, on weekends, and during the summer months. Teacher training will be undertaken and a minimum of 10 instructors and volunteers will be effectively trained to assist in some capacity within the education program when the ALC is opened to students.
  5. The ALC will be constructed and be operational at the end of the two-year project period, and ready for long term use in agricultural training.
  6. All the emerging technologies planned for demonstration in the ALC will be established and ready for use when the Center opens for K-8 students.

#### **PROJECT NEED:**

Jonesborough is the oldest town in Tennessee, established in 1779. It is the county seat of and centrally located in Washington County (1777) which is the first governmental jurisdiction in the nation named after George Washington. For generations, the Jonesborough area has been a source of food for Northeast Tennessee. But things are changing. As Washington County continues to become more urbanized, there has been a serious decline in small farms and even gardening. This is especially true in Jonesborough and larger Johnson City. The three largest employers in the County are within then (10) minutes of Jonesborough, and include East



Tennessee State University, Ballard Health Medical Center, and the Mountain Home Veterans Administration complex. The growth and enhancements of these employers have provided a major source of employment and income that has led to subdivision growth and property value increases that have generated cost-benefit challenges for continued farming. An interesting dynamic associated with the areas close to these major employers is the fact that the areas are designated by USDA as low income with food access problem areas.

As urban growth expands west through the Town of Jonesborough, small farms and gardens are disappearing and now young school age children are much more interested in staying inside and playing video games than learning about where their food is coming from. And more importantly, how easy it is to grow fruit and vegetables. As we become more invested in technology, the self-reliant skills of growing your own vegetables and food products are quickly being lost. Gardening and farming techniques also are changing, and there are emerging technologies that combine cutting-edge science with agriculture that can engage the iPhone generation and provide them with important life skills. Young people are growing up without the opportunity to learn these skills.

There is no long range plan to engage young school age children in learning skills and concepts in growing and properly preparing food at the time in their lives they are developing areas of interest that will greatly influence how they spend their time as adults. There is also no agriculturally based facility in Washington County that is specifically designed to teach "growing" skills and concepts to K-8 students. At the same time there is an immediate need by partnering agencies for facility space designed to provide farming and gardening education and training to older youth and the wider community.

With the continued rise of childhood obesity and diabetes in our area, there is a need for more access to healthy foods and education on to how these fresh food products can be prepared for more healthy living. According to the CDC, almost 38% of Tennessee students are overweight or obese. A diverse population of school age children need to be taught how to grow quality produce and food products, how to use them in the most nutritious way, and to be able to do this whether in a backyard lot or in containers on an apartment porch. In the highly technical world, it is important that youth are given the opportunity and are encouraged through human-to-human engagement to help make their community a better place to live for everyone. And looking to the future, it is important that young people understand the value of small farms, the green space these farms provide, and the quality of life and self-reliance that can be obtained with the knowledge and skills of farming whether as a career or as a part-time endeavor.

### **THE ORGANIZATIONS INVOLVED IN THE PROJECT**

Town of Jonesborough – The Town is seeking funding for the project because leaders recognize the importance of the farm community to the future of the Town and Washington County, and the importance of ensuring that agriculturally based educational opportunities are available to teach our youth how to grow the food we need and what it takes to care for one of the most beautiful areas of America. There is a wide range of skills necessary to successfully operate and maintain a farm operation including soil science and stormwater management, plant science, composting, organic



methods in production and pest control, equipment repair and maintenance, and quality financial and business planning. We feel that the teaching of many of these skills to the younger school age child will result in an increase in the number of small growers in Washington County. However, these skills are also essential in many of the positions established by the Town to provide basic services, care of parks and open spaces, and to maintain quality water and sewer services. It is getting much harder to hire a young employee that has any skill set outside the technology involved in cell phones, I-pads and computers.

The Town of Jonesborough provides storage space and public space needed for the Jonesborough Farmers Market, and leases the building for \$1.00 a year that houses the Boone Street Market, the year-round market for small producers to sell local produce and food products. The Town of Jonesborough has staff with years of experience in project management and has a Town Recorder who is a CPA and has years of experience in financial management of state and federal grants. The Town will provide project management for construction components of the project, and will facilitate the involvement of the project partners in the curriculum development as well as the effort to establish a program coordination plan among the agencies. Key Personnel: Glenn Rosenoff: Town Administrator – years of planning experience in and experienced management and administration. Abbey Miller: Town Recorder and CPA, 18 years of financial accounting experience as Jonesborough's Town Recorder, and previously a government auditor. Bob Browning: Project Manager with 30 years of experience in grant management.

Appalachian Resource and Conservation & Development Council: ARCD has 25 years of experience on working with the agricultural community providing education to farmers and ranchers, promoting farmers markets, and measuring the capacity of the regional/local food systems. Because the organization services a region with a poverty rate higher than the national average, it operates under the belief that conservation of our natural and environmental assets, including agricultural assets, leads to regional prosperity. ARCD operates the Field School which is a beginning farmer business training program. The Winter Business Intensive component of the Field School is accredited by the TN Department of Agriculture. The ARCD is the first and only program outside of the UT Agriculture Extension Program to be accredited. ARCD also operates a Build It Up East TN program providing gardening education and material support for backyard, community, and school gardens.

ARCD will assist in curriculum development of the K-8 agriculture curriculum for students in the Jonesborough K-8 school, and they will assist in the development of at-home gardening projects undertaken by students involved with the agricultural instruction that want to carry out a project with their family. In addition, the ALC is being designed to be an excellent facility to carry out Field School workshops and training after school, weekends and during the summer. Key Personnel: Susan McKinney, Executive Director: Susan is a native of Washington County who has a Masters of Public Administration and Bachelor of Fine Arts degrees from East Tennessee State University and a Masters of Arts Administration from Savannah College of Art and Design. She grew up on a family farm that raised cattle, honey bees, and fruits and vegetables. She became involved in ARCD through the Field School which led her to develop her family farm into a market production endeavor growing chemical-free fruits



and vegetables. Lexy Close, Beginning Farmer Services Director: Lexi is also a native of Northeast Tennessee with a Masters from Clark University. She is focused on sustainable agriculture and co-founded the "Build It Up East TN" program which helps families in low income neighborhoods establish gardens in their own backyards. She is also the program director of ARCD's Field School.

Washington County Schools: The Washington County Department of Education is highly supportive of the development of the Jonesborough Agriculture Learning Center as part of the new Jonesborough K-8 school complex. Immediately adjacent to the location of the new school, the ALC will be available to supplement science instruction, and the agriculture-based curriculum will compliment and facilitate learning in all disciplines. Washington County Schools will provide leadership in operating the ALC, and provide staff input into the curriculum development and facility management. Key Personnel: Dr. Bill Flanary, Director of Washington County Schools: Dr. Flanary was an agriculture instructor for most of his career in the Washington County Schools and is an enthusiastic supporter of the development of the Agriculture Campus and Learning Center and its purpose. Ryan Arnett, Agriculture Instructor of Agriculture at David Crockett High School: He was runner-up teacher of the year in grades 9-12 in FY 2019-20, and led his high school squad to win the Tennessee State Envirothon Competition championship this last year. Envirothon is a competition in environmental science and resource management, and Crockett HS's state championship was the first time in 23 years a Northeast Tennessee School was eligible to go to the Nationals. Josh Conger, Agriculture Instructor at David Crockett HS: Ran his own landscaping company for many years, and is currently assisting Jonesborough in the development of water features at the Town's new Lincoln Park and the new Dog Park.

Grand Oak Farm and Green Earth Connection: A farm and consulting company run by Dana York. Grand Oak Farm has been in her family for 9 generations, even before Tennessee became a state. The farm operation is a Certified Naturally Grown farm that produces vegetables, cut flowers and hay. Dana is an outstanding teacher of emerging farm techniques and concepts. Key Personnel: Dana York: Farm owner with 34 years with USDA's Natural Resources Conservation Service, past president of Jonesborough Locally Grown, and lead instructor with ARCD's Field School. Dana has an Agriculture/Vocational Education degree and a masters in Organizational Psychology. As the Associate Chief for NRCS in Washington DC, she managed a 3 billion-dollar budget and oversaw the leadership team, agency programs, and 7000 employees. Dana will provide her years of experience into curriculum development and the design and construction of the ALC.

Washington County – UT Extension Service: The local comprehensive extension service operation managing the 4H program for youth, and an on-going schedule of workshops and classes in farming, consumer sciences, and agriculture. The Extension Service will be a great resource in instructional activities for youth, and the ALC will be available for their programming. Key Personnel: Adam Watson: Extension Agent II responsible for 4H youth development and agriculture and natural resources. Elizabeth Renfro: Family Consumer Science Agent. Elizabeth has years of experience in teaching good nutrition, food safety and family financial education.



Jonesborough Locally Grown: Jonesborough Locally Grown is the 501(c)(3) organization that created and directs the Jonesborough Farmers Market and the Boones Street Market year-round outlet store. The Jonesborough Farmers Market serves local growers within a 100 miles radius of Jonesborough and allows members to only sell what food products they have grown or produced themselves. Jonesborough Locally Grown has connections to area farmers who can be helpful in enhancing instruction and hands-on learning opportunities, and the organization can be an excellent resource in marketing and selling produce and food products grown through the ALC programs. They are also active in facilitating donations to the Jonesborough Food Pantry. Key Personnel: David Phillips, Boones Street Market Manager: David is a trained chef having been chef of his own restaurant and manager of a number of others. He is a great resource in healthy culinary practices using local food products. Karen Childress: Marketing Coordinator; Karen is one of the co-founders of Jonesborough Locally Grown and the force behind the Boones Creek Market. She is an excellent resource in communicating with the local growers that exist in Washington County, and a great cheerleader in encouraging new growers in the area and helping them market their food products.

Washington County Soil District: A board of county farmers excited about the ALC project who want to assist in soil conservation education and outreach using the District's Enviroscape model which can be incorporated into the ALC curriculum. The SCD, with an office in Jonesborough, is also highly likely to use the ALC for their education programming. Key personnel: Roy L. Gillis, Chairman. Roy is a long-time educator in the County. Rebecca Carr: District staff: Rebecca has led much of the District's environmental education efforts.

Natural Resources Conservation Service: NRCS has the mission of "Helping People Help the Land". The local NRCS also with an office in Jonesborough is excited about the opportunity to work with their partner, the Soil Conservation District to implement the ALC and provide technical assistance on the layout of the growing areas and other practices on the school grounds, as well as the K-8 curriculum. Key Personnel: Greg Quillen: District Conservationist, a great source of technical knowledge and skills on small and large county farms.

**SUSTAINABILITY**: Jonesborough's project to develop the Agriculture Learning Center becomes largely sustainable once the building and the associated outside facilities and areas are completed. The program will be incorporated into the curriculum of the adjoining K-8 school, and the after-school hour use will be with partnering programs that greatly benefit from their access to a facility designed specifically for comprehensive agriculturally-based instruction. The only need to make the program totally sustainable is the funding for in-school instruction and materials and supplies. There will not be an issue with the availability of highly qualified instructors capable of working with young students. Jonesborough has a history of community support for programs that enhance the quality of life. The community will cover the expense of supplies and materials needed for the program, as well as the cost of instruction, if instruction is not covered by the Washington County Schools.



# JONESBOROUGH-8 SCHOOL AGRICULTURE CAMPUS AND LEARNING CENTER PROJECT

## BUDGET NARRATIVE

### **GENERAL:**

The Agricultural Learning Center in Jonesborough has a project budget of \$476,020, of which \$181,020 is being provided from the local community. In order to undertake the project with maximum impact, the Town is requesting \$295,000 in funding assistance from the State of Tennessee. Jonesborough's program to significantly impact the interest level of K-8 school students in farming and gardening skills and concepts is focused around the construction of the Jonesborough Agriculture Campus and Learning Center (ACLC) facility adjacent to the new Jonesborough K-8 school currently being designed and constructed in Jonesborough. Conceptual design work has been undertaken by Ken Ross Architects during the initial planning process, and civil engineering by DTWood Engineering with both firms currently engaged in the K-8 school project. The ACLC building is being designed to provide demonstration capabilities in emerging technologies in urban healthy food production, with hands-on work space areas needed for agriculture-based programming. The focus of the grant dollars is the design and construction of the ACLC and the development of the K-8 agricultural-based curriculum.

### **BUDGET BREAKDOWN**

1. **Administration and Legal Expenses:** The administration expense line item is split into two expense categories.

Project Administration: There is an estimated expense of \$10,000 that is based on the amount of time the project manager has to provide for project documentation and record keeping, the time in facilitating numerous meetings associated with curriculum development and with design development and construction management of the ACLC over the three-year period, and the Town Recorder's financial management of the project. The project cost is based on a very minimum figure of two-hours per week for 240 hours of work over the three-year period at \$31.25 per hour. In addition, the financial management work of the Town Recorder is included at the same minimum cost per hour for 80 hours of work during the three-year project. This \$10,000 cost for project administration is not included as a part of the funding request.

Project Partners Staff: There is \$20,000 of contracted costs associated with staff costs of participating project partners for their time in developing the K-8 curriculum including concept and activity research necessary to develop a comprehensive agriculture education instruction guide that divides instruction into at least a K-2, 3-5, and 6-8 lesson plan format. This line item will also be used to fund project partner staff instruction of teachers implementing the instructional program.



Total cost of the contracted work is \$20,000 and is included in the funding request.

2. **Land, Structures, etc.:** The site of the ACLC building and the associated outside emerging technology demonstration areas, including the orchard and field cropping sites, totals two (2) acres. This two-acre ACLC project area is being provided for use with the project by the Town, and the Town paid \$45,800 per acre for the 48-acre school site.

Total cost is \$91,600 with that cost not included as part of the funding request.

3. **Architectural and Engineering Fees:** The project cost for design is \$12,500 which is 5% of the projected building construction expense of \$250,000. This includes construction drawings and weekly inspection during construction. The project architect will be Ken Ross Architects (now Clark Nexsen) which is the firm designing the new Jonesborough K-8 School. The \$12,500 architectural expense is included in the funding request .
4. **Other Architectural and Engineering Fees:** This \$6,000 expense is for civil engineering of the two acres on which the ACLC and associated demonstration areas are located. This cost is incorporated into the site engineering cost for the K-8 school and is not included as part of the funding request
5. **Project Inspection Fees:** The Town's Project Manager, Building Inspector, Street Director and Operations Manager will be making periodic inspections of work undertaken during construction. These inspections have a value of approximately \$2,000 which is not included in the funding request.
6. **Site Work:** The Town will be undertaking site work grading, utility installation, seeding and landscaping, and concrete/asphalt work associated with the ACLC construction, but under the K-8 construction contract. The total projected cost of site work is \$31,400, however, that amount is not included in the funding request.
7. **Construction:** The construction of the ACLC is projected to cost \$250,000. The building is projected to total 2,500 square feet of which 1900 square feet will be enclosed. There is also a 12' x 25' demonstration greenhouse extended out at the end of the Potting Shed area. The enclosed areas are estimated to cost \$120 per square foot. The ACLC will include the following areas based on initial conceptual planning.
  - Potting shed designed with potting benches and work sinks centrally located.
  - An Outdoor Agricultural Lab area that is essentially 25' x 25' and covered that is in between the Potting Shed area and the Instruction area. Large garage doors will be located with the Potting Shed and the Instruction area that can be opened into the Outdoor Agricultural Lab area to add more room for students and activity when needed. This covered but open area can be used during the spring, summer, and fall to add more flexibility for instruction.



- The Instruction area will be set up with a Smart Board and white boards to facilitate learning. Work tables on wheels will be used with stackable seating to provide flexibility in the classroom setup. A demountable partition will be used to separate the Instruction area from the Culinary Lab. The culinary area will include the small commercial kitchen which will be set up for demonstration. The culinary area will be wired to accommodate individual electric "hot plates" that can be used for culinary training by students in small groups off of the work tables. The initial layout also includes two ADA unisex toilets, storage areas, and the area for a walk-in cooler.
- The building construction will include permanent walls, electrical, HVAC, toilets, ceiling fans, lighting, doors and windows, etc. but not the tables, chairs, benches, the walk-in cooler, etc. that will be purchased through other grant and fundraising revenue. A complete list of furnishings and amenities will be developed, and the community-based fundraising committee will work with Town staff and project partners during the implementation period to obtain the financial resources that will ensure the ACLC is a complete and totally operational learning center when it is open to students

Outside Demonstration Areas: The Town will take the responsibility for developing the demonstration areas associated with the ACLC. The Town has the equipment and know-how to prepare garden areas, plant fruit trees, install landscaping, and construct any outside demonstration area needed to facilitate learning through the ACLC program. This effort will be initiated as part of the Town's participation in the K-8 school construction project. The \$250,000 projected construction cost is included the funding request.

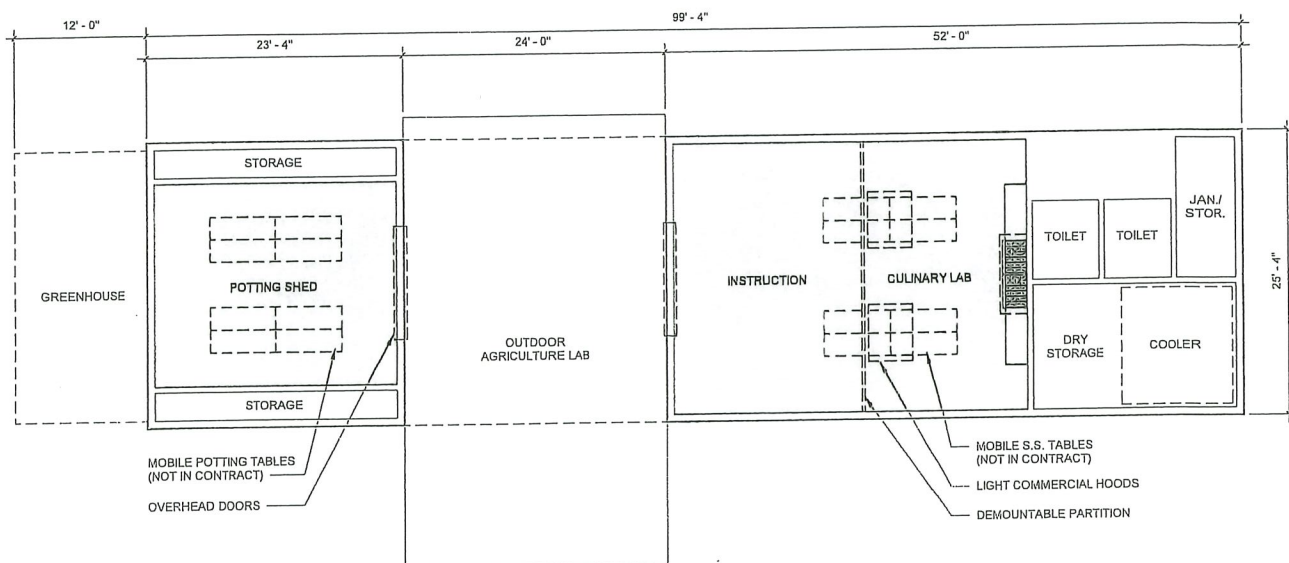
8. **Equipment:** The equipment needed for the project is the commercial kitchen and the walk-in cooler. These items will be purchased separately through local fundraising. Community supporters of the ACLC project are already formulating a game plan to raise the funding necessary for the equipment through fundraising and/or other grants. The projected cost is \$25,000, and this cost is not included as part of the funding request.
9. **Miscellaneous:** The items in this budget line item are the supplies and furnishings necessary to open the ACLC. A materials and furnishings list will be developed in conjunction with the curriculum development, and the fundraising committee will develop the financial resources to obtain these items as the ACLC building is being constructed. These costs include Potting Shed benches, shelving, and work sinks, and a number of work tables on rollers that can be moved to and from the Outside Agricultural Lab, Instruction area, and Culinary Lab. Numerous potting tools and hand tools will be needed as well as hoses. The initial estimated cost of these items is \$15,000 and this cost is not included in the funding request.
10. **Contingencies:** The project contingency is 5% or \$12,500 which is included in the funding request.



**BUDGET INFORMATION:**

	COST CLASSIFICATION	TOTAL COST	LOCAL FUNDING	FUNDING REQUESTED
1.	Administrative and legal expenses	\$30,000.00	\$10,000.00	\$20,000.00
2.	Land, structures, rights-of-way, appraisals, etc.	\$91,600.00	\$91,600.00	\$0.00
3.	Architectural and engineering fees	\$12,500.00	\$0.00	\$12,500.00
4.	Other architectural and engineering fees	\$6,000.00	\$6,000.00	\$0.00
5.	Project inspection fees	\$2,000.00	\$2,000.00	\$0.00
6.	Site work	\$31,420.00	\$31,420.00	\$0.00
7.	Construction	\$250,000.00	\$0.00	\$250,000.00
8.	Equipment	\$25,000.00	\$25,000.00	\$0.00
9.	Miscellaneous	\$15,000.00	\$15,000.00	\$0.00
10.	SUBTOTAL (sum of lines 1-9)	\$463,520.00	\$181,020.00	\$282,500.00
11.	Contingencies	\$12,500.00	\$0.00	12,500.00
12.	TOTAL PROJECTED	\$476,020.00	\$181,020.00	\$295,000.00





FIELD LAB CONCEPTUAL BLOCK DIAGRAM  
1/8" = 1'-0"

AREA INFORMATION:  
1908 COMBINED INTERIOR SF  
280 SF GREENHOUSE  
960 SF OUTDOOR DECK/ PATIO

APPROXIMATE COST: \$130/ SF









AGRICULTURAL  
BUILDING  
(SEE NOTE)

N. CHEROKEE ST

TRAIL/SIDEWALK

TRAIL

FLAT

GARDEN AREA  
(1/2 AC)

FLAT

SLOPING

ORCHARD  
AREA  
(1/3 AC)

SLOPING

SLOPING

STEEP SLOPE

FLAT

TRAIL

SLOPING

VERY STEEP SLOPE

SLOPING

CUT  
FILL

DELIVER  
AREA

VEHICLE  
IS FROM THE BUS  
OFF/PICKUP AREA

PRE-K PLAY AREA

BUS DROPOFF AND PICKUP

ADMINISTRATIVE PARKING (58 PS)

AG PARKING (8 PS)

CONCRETE WALKWAY

24.0'

CONCRETE WALKWAY

30.0'

20.0'

