# Children's Discovery Center

**Project Origin:** This project consists of a new Children's Discovery Center Building on campus. This project scope has already been formulated, and is contained in a number of recent documents, most notably a Level II Study by the firm By Architectural Means, PC. The final report of this Level II Study was presented to the LCCC Board of Trustees on January 7th, 2022. The project is included here in this master plan updated to describe to readers the full complement of projects and improvements underway now at LCCC, as well as those slated for the future. To avoid duplication, this project description is abbreviated, and instead respects and refers to the previous efforts by others.
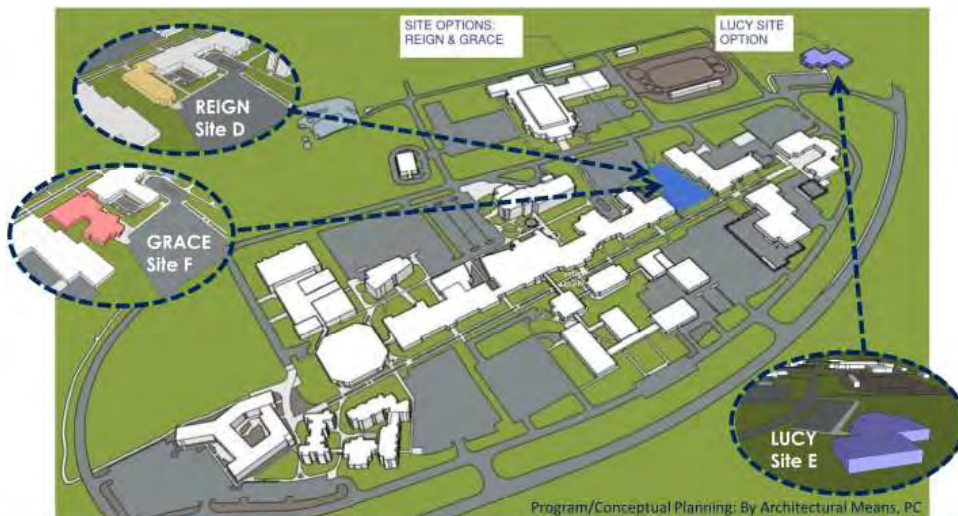


**Site Location:** The Level II Study suggests three potential locations for the new CDC, as shown to the left.

**Floor Plan Configuration:** The Level II Study described a floor plan layout for each of the three site options. The floor plan options are shown below.



## Site Option D
Plan Concept:
- REIGN

## Site Option E
Plan Concept:
- LUCY

## Site Option F
Plan Concept:
- GRACE

**Project Purpose, Scope, and Costs:** See the Level II Study for the Children's Discovery Center, produced by the firm By Architectural Means PC, for a detailed description of the project purpose, scope, and associated costs.

**Project Origin:** This project consists of three remodel projects in the same building, the College Community Center (CCC). They are combined here due to proximity. The first project is a new Culinary Arts Lab, a new curriculum program on campus. The second project is a relocation of the Private Dining Room. And the third project is a remodel of Room CCC128, which has been selected as the location for the new board room.
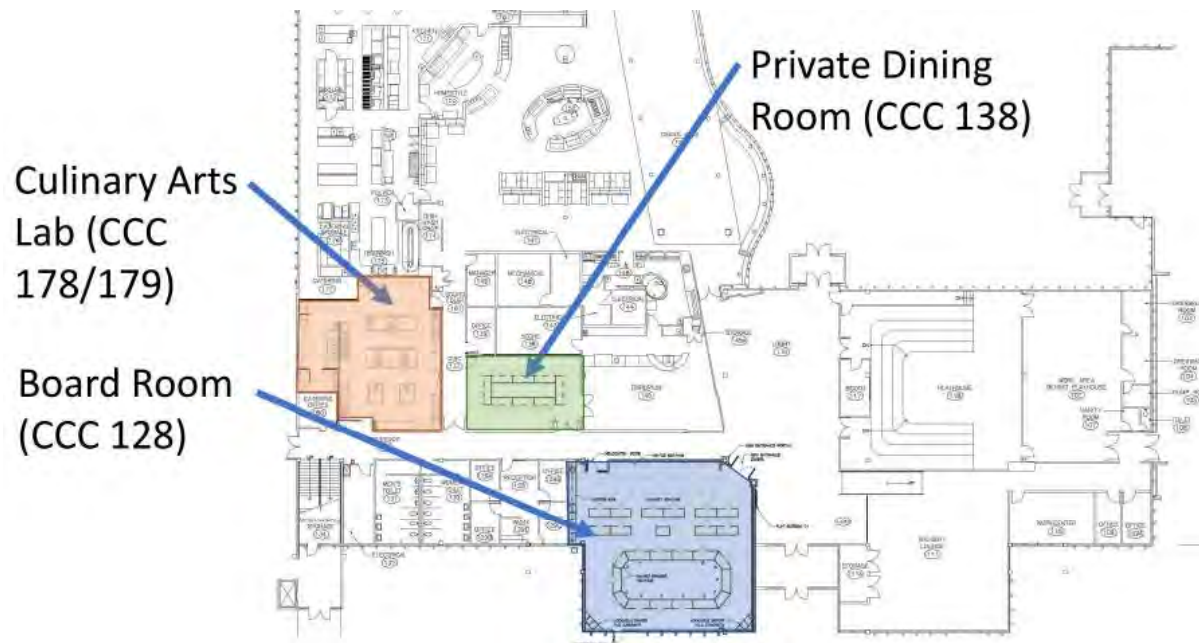


*This plan shows the three remodel areas and their proximity to each other in the College Community Center.*

**Culinary Arts:** This new program on campus is looking for the appropriate supporting facilities. The current private dining room, Rooms CCC178 and 179, has been selected for this purpose. These rooms have a direct association and adjacency to the dining area and its kitchen. The design features direct access to the back of the kitchen and the loading dock for deliveries. The synergies between these two spaces and their functions make this location a great choice. Chefs, working in the kitchen, can easily enter the lab and become instructors. Students, working in the lab, can easily enter the kitchen to see in action food preparation. Additionally, this lab location has a front entrance presence along the main CCC corridor, making it easy to find for students and visitors. The kitchen and equipment layout are designed to promote both commercial restauranteur training, but also specialty and ethnic foods offerings as well.



*The Culinary Arts plan is designed with a demonstration area, and several student lab stations.*

**Pathfinder Concessions:** An associated second component of the Culinary Arts program is the reopening of the Pathfinder Concessions Kiosk. This space is already fully constructed and equipped as a coffee shop and bakery goods style concessions kiosk. The space consists of a "back of house" prep area (Room PF103) and the front concessions area (Room PF103A).
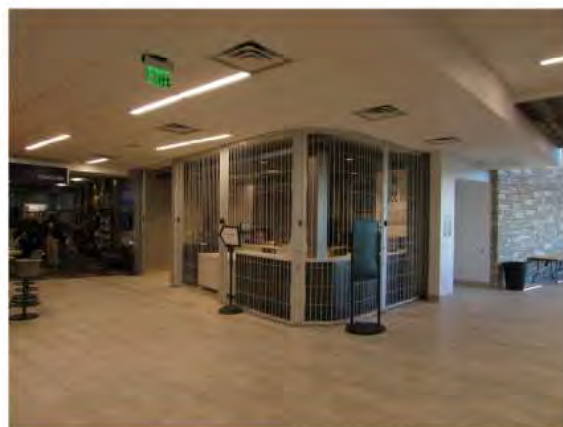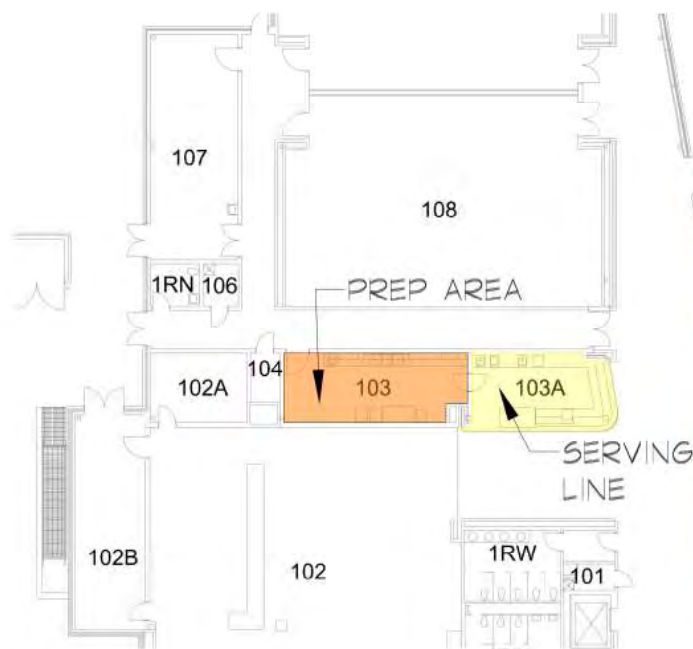




*Floor plan view of the Prep Area 103 and the Serving Line 103A.*
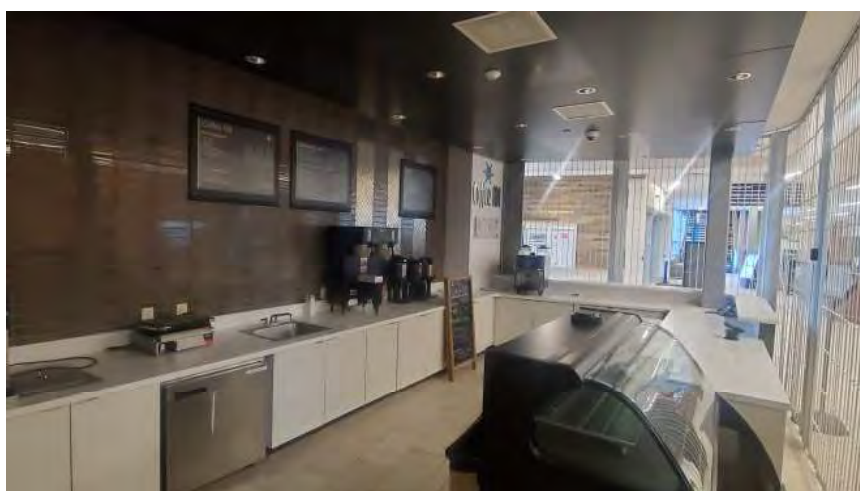


*The central location in Pathfinder Commons gives the concession kiosk great exposure opportunities.*



*This existing facility is complete, and requires very little capital outlay to reopen operations.*

**Private Dining Room:**  The current private dining room (178/179) is being displaced by the new Culinary Arts Lab.  Therefore, this function will be rebuilt in Room CCC 138).  This space is currently only used for storage, and is underutilized.  This new location for private dining has great access to the CCC corridor and also great proximity to the new board room.

**Board Room:**  The previous board location has been the Petersen Board Room in the Administration Building (see section on HR & Crisis Center).  This room is thought to be too small and confining, especially with covid concerns over social distancing.  Recently, the board has been using CCC128 as the new board room, which allows the board, administration, college cabinet, and visitors the opportunity to spread out more comfortably.  This room is very well suited to the board rom function, and has size, location, and arrangement as just a few of its positive attributes.
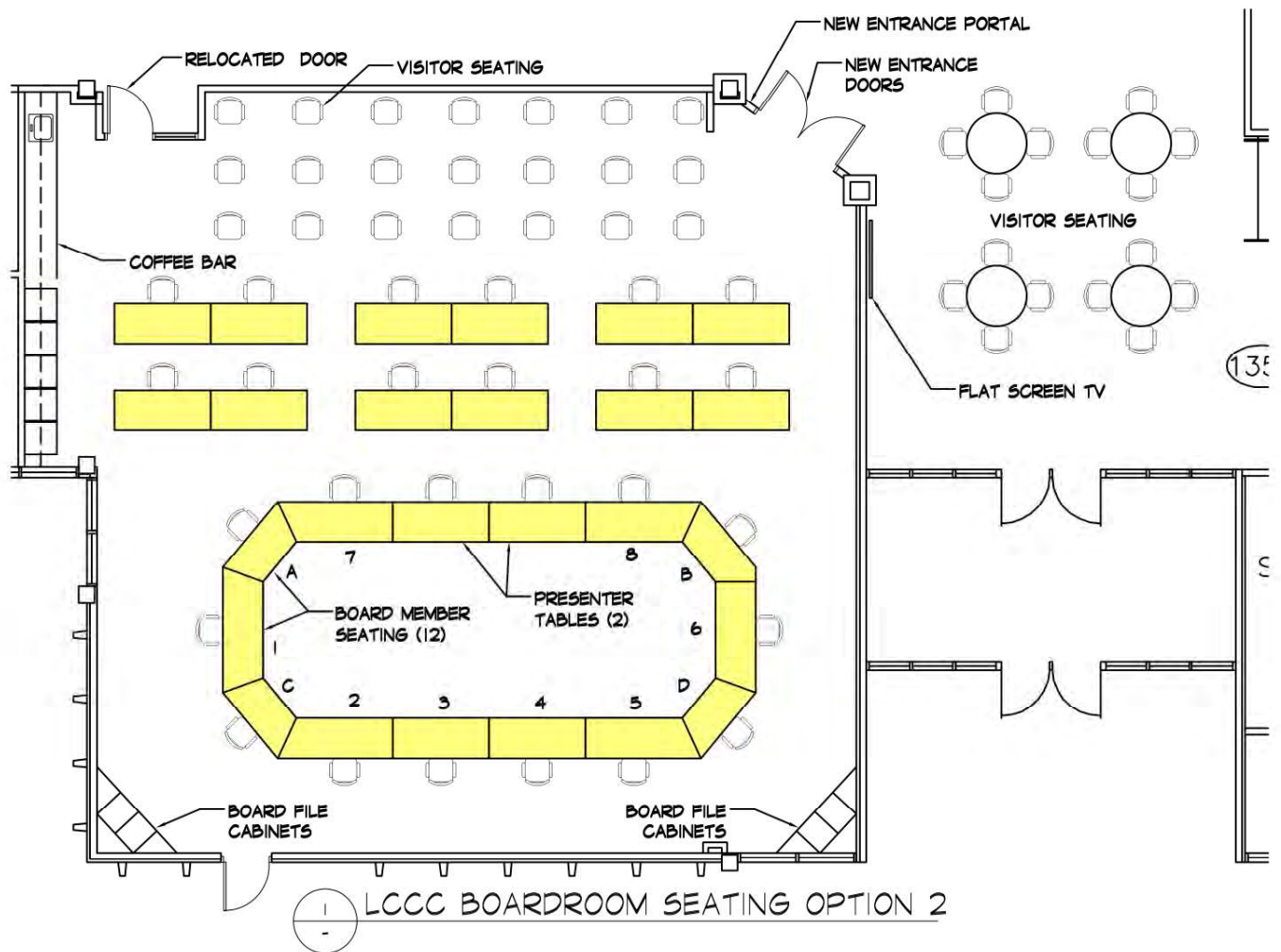


*This is the preferred Board Room design, known as Option 2.*

**Board Room Attributes:**  The design for the remodeled board room was conceived with board member input through interview sessions.  This process went efficiently and productively, as the board has been using this space for a while, and is familiar with the surroundings.  The following are a few of the primary board room remodel project attributes:

- **Location and Accessibility:**  CCC128 is thought to be a great location, much more accessible and easier for the public to find than the Petersen Board Room.  Also, the private dining room and dining functions are right across the hall, as well as the emporium.  This provides for easy catering support when needed.  This location also has a generous lobby / commons function right outside CCC128, to act as a holding area for waiting, meeting participants.
- **Number of Board Members and Staff:**  The board table system should be designed to hold the appropriate number of board members, administrative leaders, and other representatives. The following spaces should be provided at the board table:

    - **7 Board Members**
    - **President**
    - **Administrative Assistant**
    - **Attorney**
    - **Student Representative**
    - **Albany County Representative**

- **Number of Cabinet Members:**  Up to 10 cabinet members also attend the meetings, and sit in the next row of tables.  They often work on their laptops during the meetings, and require tables and chairs.
- **Number of Audience:**  The audience levels are fairly light, unless there is a controversial topic (which is rare).  The audience can sit at the far back, in individual chairs (spaced out for covid protocols).
- **Board Table Configuration - U Shaped or Oval:**  A few options were presented during the design process.  The oval table configuration – Option 2, seems to find the most favor.  It allows for a more collaborative arrangement between the board members, in a face-to-face arrangement.  The furniture system suggested allows either table configuration to be utilized, by merely re-arranging the tables.
- **Covid Protocol:**  Each of the board members will receive an individual table, that fit together into a system. The tables are all 6 feet long, in keeping with social distancing standards.  The cabinet tables and presenter tables are all also 6 feet long.
- **Presenters Table or Podium:**  Both design options allow presenters to join the board when it is their time to approach the board.  The oval option allows the presenters a more equal status when they join the oval table.
- **Audiovisual / IT Systems:**  Audiovisual and IT systems will be a key to the success of a board room renovation.  The board generally uses laptops at meetings, but also look at the large screens for presentations if they have other topics on their laptops.  The large screens (multiple) need to be positioned for great viewing from both the board and the public.
- **Aesthetics and Finishes:**  When CCC128 is remodeled, a new aesthetic in finishes will be applied, appropriate to the board room function.  A richer palette of materials and colors would help to bring a greater sense of dignity appropriate to the room function.

**Special Features:**  A few special features of the proposed CCC128 remodel are listed below, and are shown on the Option 2 design;

- **Door Arrangement:**  A new main entrance door is shown at a 45-degree angle to the lobby.  This will be provided with a "portal" or "surround" that makes the main public entry obvious.  The secondary entrance door will be moved west, opposite the main public entrance.  This will act as the more private board entrance, and allow the board access to the corridor and bathrooms without traveling through the public seating area.  An emergency exit door will also be provided at one of the existing window openings on the south side.

- **Coffee Bar:**  A coffee bar area will be provided along the west side, in an area not dominated by the board or the public, for universal access.

- **Lockable Storage**:  Several areas of lockable storage cabinets are shown on the plans.  These can be utilized by the board members for private document storage and file storage.

- **Lobby Seating and AV:**  The lobby area just outside the board room may be equipped with a large format TV.  This will allow the board meetings to be observed from outside the room.  Participants awaiting their turn in the meeting will be allowed to wait in the lobby, until it is their turn to present.  The general public may watch the entire meeting from the lobby if they wish, rather than being inside the board chambers.



*This corner will become the new public entrance portal to the board room.*

# Health Care Program Lab Expansion

**Project Origin:** This is a new project displayed for the first time in this master plan update. It responds to the success and growth of the Health Science curriculum at LCCC. The initial addition concept (Option 1) was to build a three-story addition on the northeast corner of the building. This option was presented at the October 28th Leadership Review Meeting. Concerns were raised over the resulting loss of parking, which is at a premium. Further input from LCCC suggested that an infill scheme be explored that physically links Health Sciences with the Science Building. Both options are included in this master plan update, for the sake of comparison. Diagrams are included below, with a listing of the primary attributes.
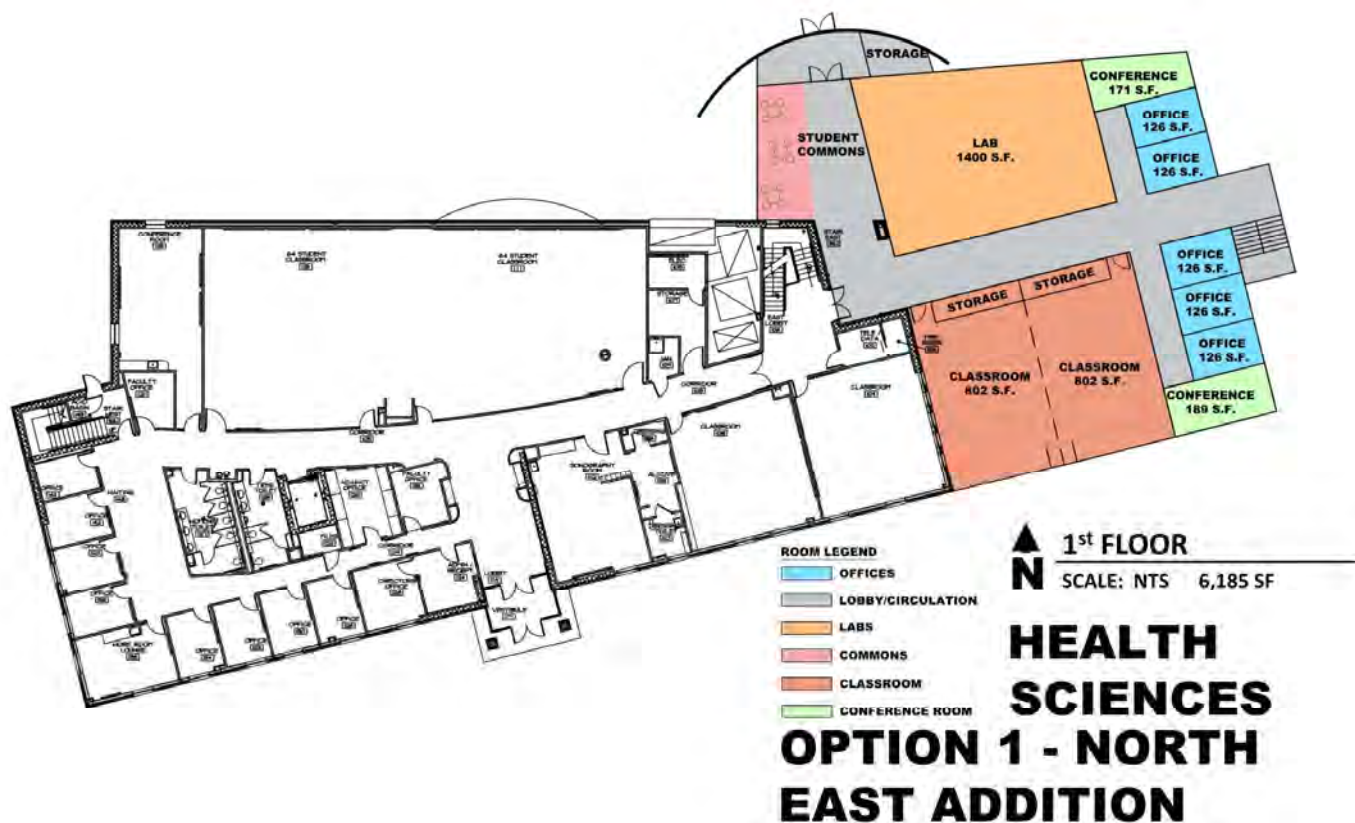


*Floor plan of Option 1 – Three Story Addition on the northeast corner of the Health Sciences Building.*

### Option 1 – Three Story Addition on the Northeast Corner

- Program needs are easily met as shown, and by adjusting the size of the addition.

- Parking would be lost, and this is a heavily used parking lot.

- The addition would utilize one existing stair and the existing elevator, which is a cost savings. A new exit stair would be required in the addition, to meet code required exiting parameters for two exits.

- The addition could be built without major disruptions to operations in the Health Sciences Building, until the project is complete. The main entrance would be blocked, and foot traffic would be directed to the south entrance during the construction period.

- The design is expandable, as the corridor circulation could continue to the northeast with future additions.
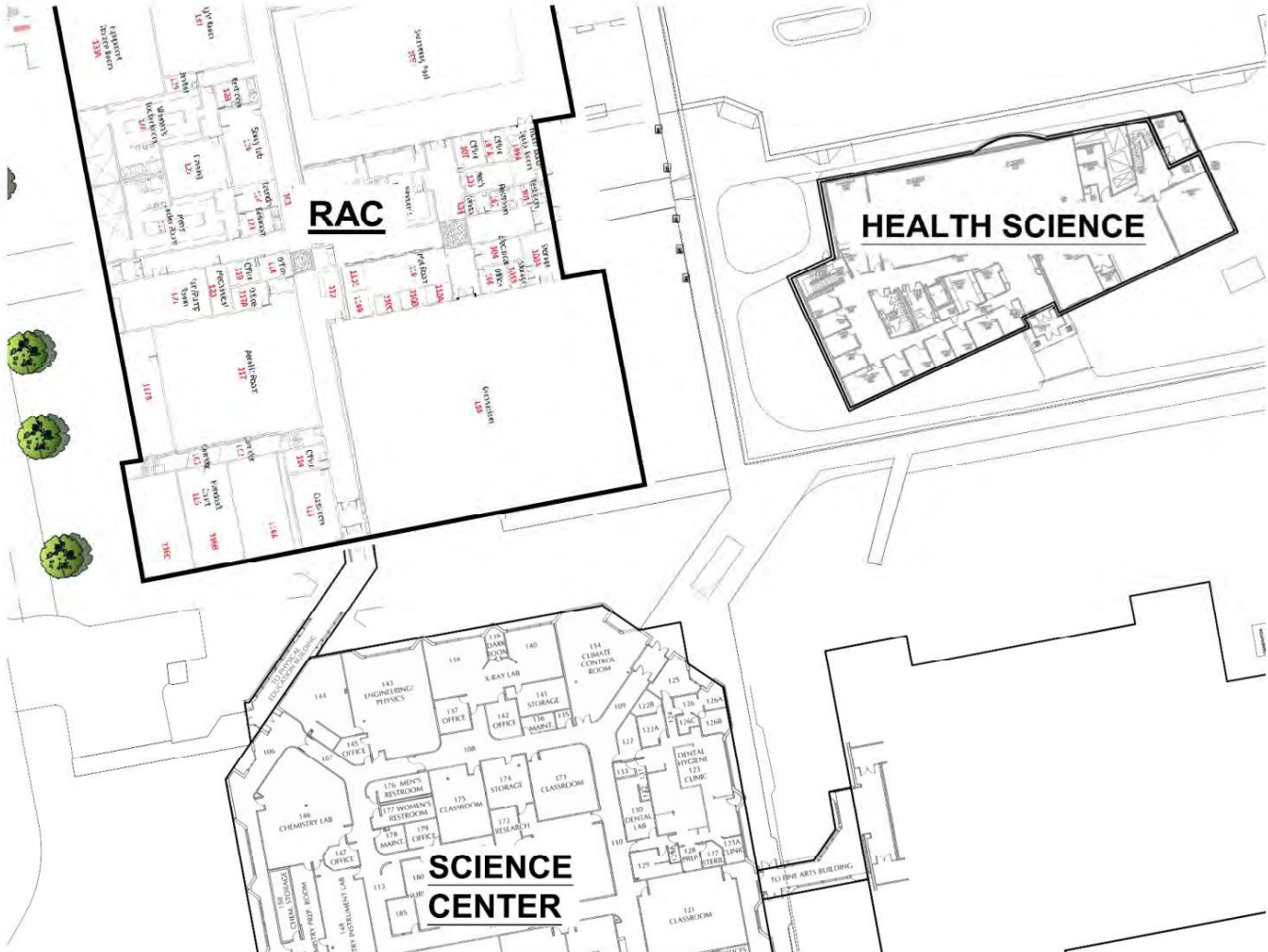
*Proposed location of the Option 2 infill scheme, between the Health Sciences Building, Science Center, and the Recreation & Athletics Center.*
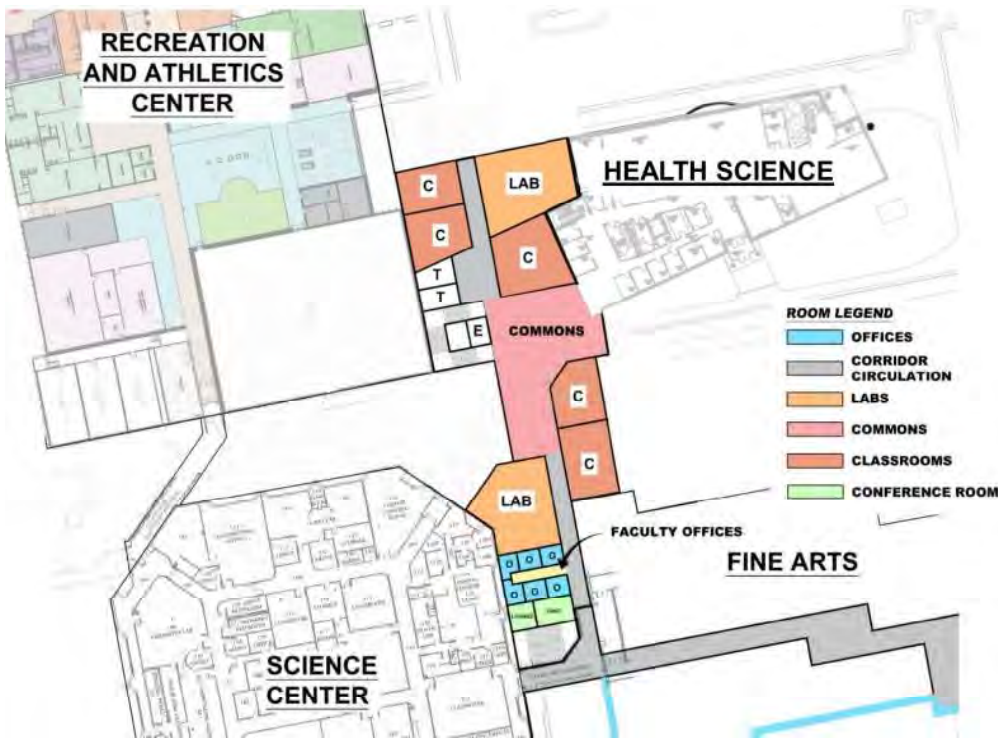


**Photo to the Left:**
*Existing Health Sciences Building, looking from potential location of infill.*

**Option 2 – Three Story Addition on the Southwest Corner**

- Program needs are easily met as shown, and by adjusting the size of the addition.  In fact, a two-story addition as shown would meet the current program needs.  Therefore, the third floor could be either deleted, or built and shelled out for future use.

- No parking would be lost.

- The design creates a nice link between the existing buildings.  The current exterior walkway paths would remain in location, be enclosed, and join together in the middle in what would become a very nice commons area.  This would facilitate a strong pedestrian link between the Health Sciences and Science Buildings.

- The addition would require new stair and elevator systems for vertical transportation.

- The addition could be built without disrupting the main north entrance to the Health Sciences Building.  The northeast entrance to the Science Building would be blocked during construction, as well as foot traffic in the current courtyard area.
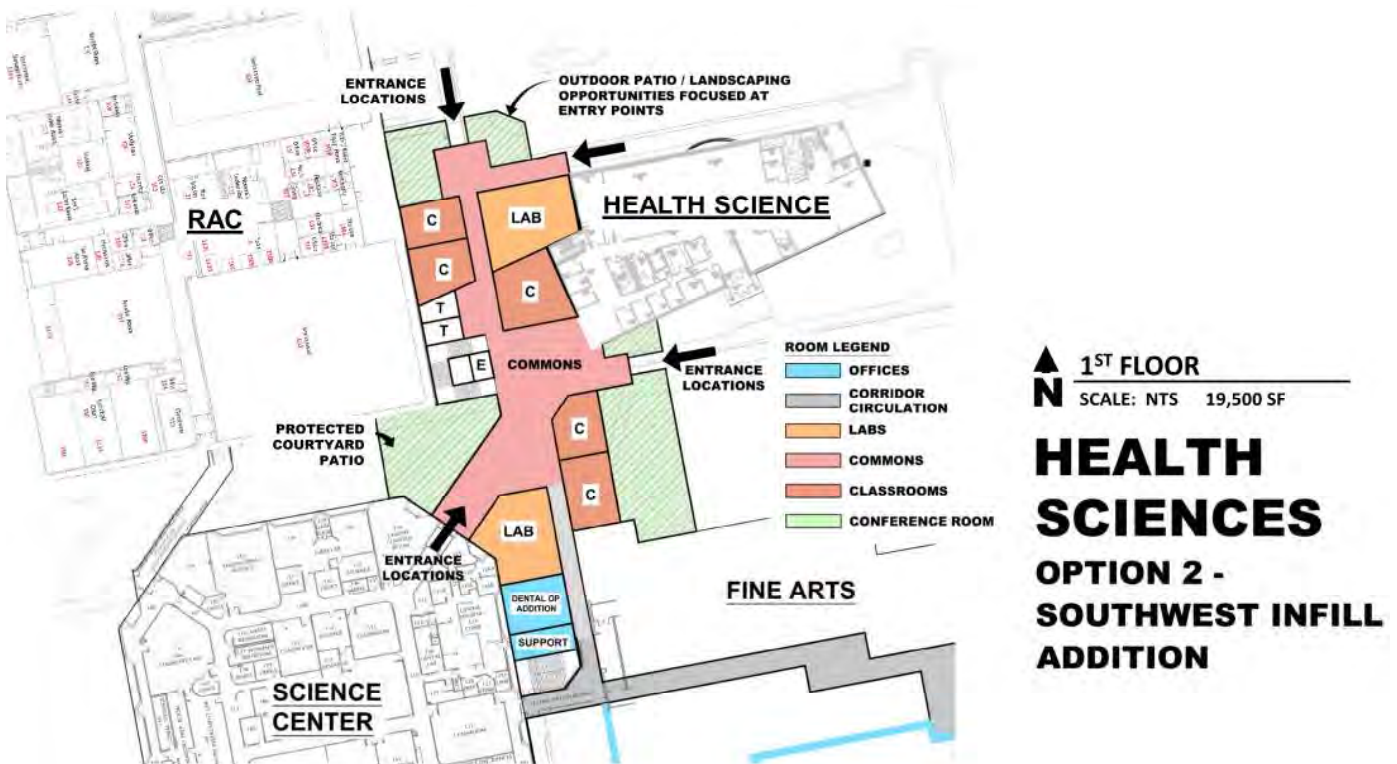


*The ground floor features an intersection of pathways, that would make for an interesting and active commons.*

ROOM LEGEND
- OFFICES
- CORRIDOR CIRCULATION
- LABS
- COMMONS
- CLASSROOMS
- CONFERENCE ROOM

**2ND FLOOR**
SCALE: NTS  13,500 SF

# HEALTH SCIENCES
## OPTION 2 - SOUTHWEST INFILL ADDITION

NOTE: PROGRAM NEEDS CAN BE MET WITH 1ST AND 2ND FLOORS ONLY. 3RD FLOOR COULD BE DELETED OR SHELLED.

*The second floor becomes more efficient from an academic utilization standpoint, featuring classrooms paired with labs.*



ROOM LEGEND
- OFFICES
- CORRIDOR CIRCULATION
- LABS
- COMMONS
- CLASSROOMS
- CONFERENCE ROOM

**3RD LEVEL OPTIONAL SHELL SPACE**
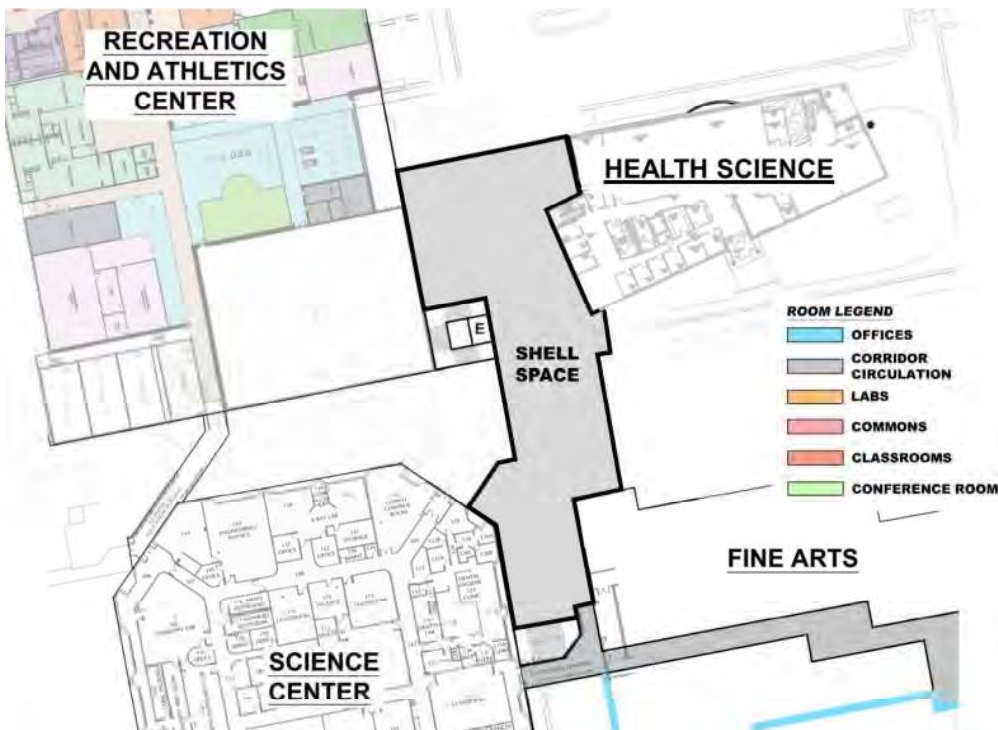SCALE: NTS  13,500 SF

# HEALTH SCIENCES
## OPTION 2 - SOUTHWEST INFILL ADDITION

NOTE: PROGRAM NEEDS CAN BE MET WITH 1ST AND 2ND FLOORS ONLY. 3RD FLOOR COULD BE DELETED OR SHELLED.

*The first two floors meet the current program needs.  Therefore, the third floor could be built as a shell, awaiting future tenant improvements.*

**3D MASSING – HEALTH SCIENCE INFILL**
VIEW LOOKING FROM PARKING TO SOUTH

*View from the south, with the RAC on the right, and the existing Health Sciences on the left.*



**3D MASSING – HEALTH SCIENCE INFILL**
VIEW LOOKING FROM PARKING TO SOUTH

3RD LEVEL (SHELL SPACE)

2nd LEVEL

ENTRY FORM

MAIN LEVEL
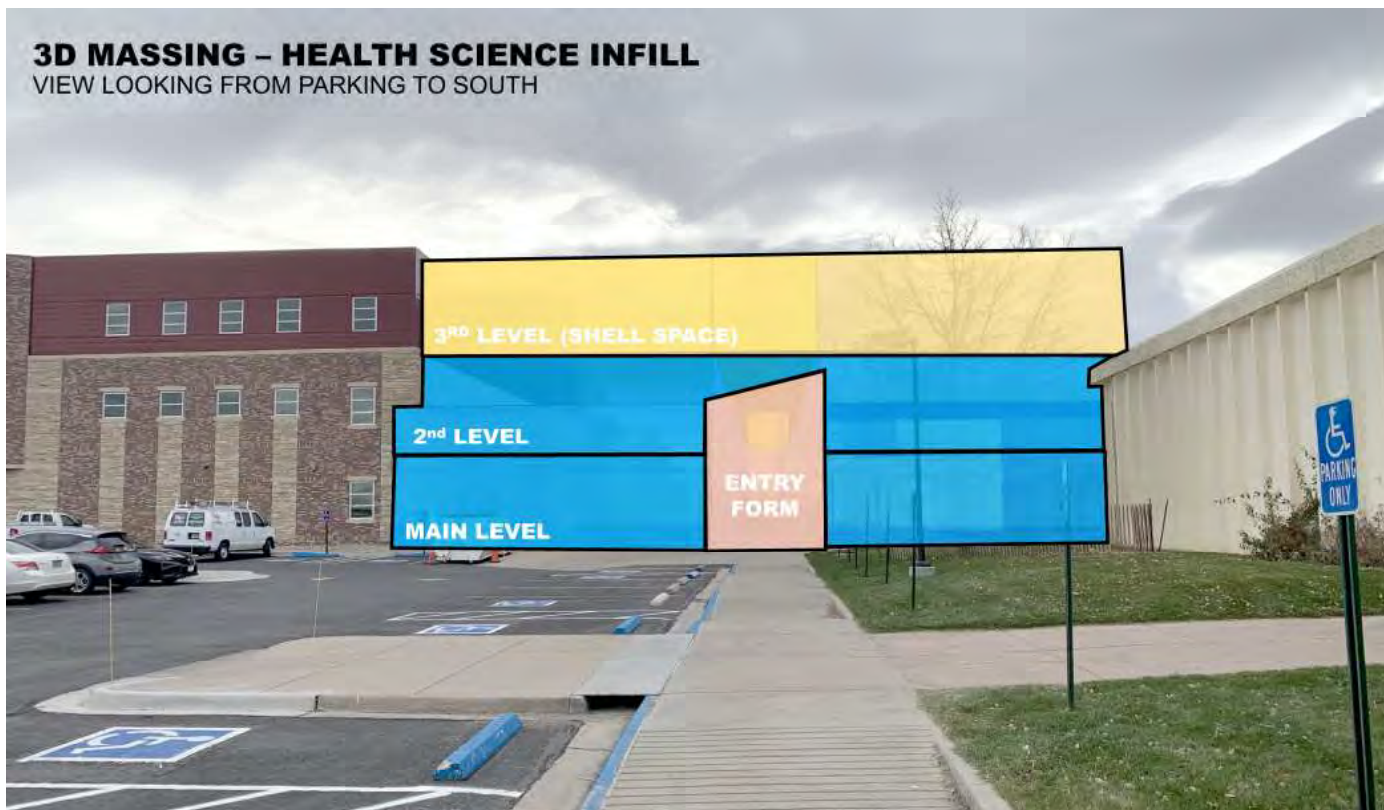
*A massing diagram as viewed from the south. The height and materials of the existing three-story Health Sciences building would extend over to bridge the gap to the RAC building.*

## CONCEPTUAL PROJECT COST ESTIMATE

| | Quantity | Pricing Unit | Unit Price | Total Cost |
|---|---|---|---|---|
| **Division 1 - General Conditions** | | | | |
| Mobilization | 1 | ls | $ 35,000 | $ 35,000 |
| General Conditions | 2% | % | $ 6,958,125 | $ 139,163 |
| Bonds & Insurance | 0.8% | % | $ 6,958,125 | $ 55,665 |
| **Total Division 1** | | | | $ 229,827.50 |
| | | | | |
| **Construction Costs** | | | | |
| New Construction | 18,555 | sf | $ 375 | $ 6,958,125 |
| | | | | |
| **Subtotal Construction Costs** | | | | $ 6,958,125 |
| General Contractor OH&P | 1 | % | 8% | $ 575,036 |
| **Total Construction Costs (Including Division 1)** | | | | $ 7,762,989 |
| | | | | |
| **Project Soft Costs** | | | | |
| Architectural / Engineering Fees | | % | 8% | $ 621,039 |
| Testing & Inspection | | % | 1.00% | $ 77,630 |
| FF&E | | % | 4.00% | $ 310,520 |
| Construction Contigency | | % | 10% | $ 776,299 |
| Design Contingency | | % | 10% | $ 776,299 |
| **Subtotal Project Soft Costs** | | | | $ 2,561,786 |
| | | | | |
| **Total Project Cost - Hard & Soft Costs Combined** | | | | $ 10,324,775 |

## CONCEPTUAL PROJECT COST ESTIMATE

| | Quantity | Pricing Unit | Unit Price | Total Cost |
|---|---|---|---|---|
| **Division 1 - General Conditions** | | | | |
| Mobilization | 1 | ls | $ 50,000 | $ 50,000 |
| General Conditions | 2% | % | $ 14,337,500 | $ 286,750 |
| Bonds & Insurance | 0.8% | % | $ 14,337,500 | $ 114,700 |
| **Total Division 1** | | | | $ 451,450.00 |
| | | | | |
| **Construction Costs** | | | | |
| New Construction (1st & 2nd Floor) | 27,000 | sf | $ 375 | $ 10,125,000 |
| 3rd Floor Shell Space | 13,500 | sf | $ 275 | $ 3,712,500 |
| Landscaping/Sitework | 1 | ls | $ 500,000 | $ 500,000 |
| **Subtotal Construction Costs** | | | | $ 14,337,500 |
| General Contractor OH&P | 1 | % | 8% | $ 1,183,116 |
| **Total Construction Costs (Including Division 1)** | | | | $ 15,972,066 |
| | | | | |
| **Project Soft Costs** | | | | |
| Architectural / Engineering Fees | | % | 8% | $ 1,277,765 |
| Testing & Inspection | | % | 1.00% | $ 159,721 |
| FF&E | | % | 4.00% | $ 638,883 |
| Construction Contigency | | % | 10% | $ 1,597,207 |
| Design Contingency | | % | 10% | $ 1,597,207 |
| **Subtotal Project Soft Costs** | | | | $ 5,270,782 |
| | | | | |
| **Total Project Cost - Hard & Soft Costs Combined** | | | | $ 21,242,848 |

# IT Training Center

**Project Origin:**  This project was being formulated and promoted prior to the development of this master plan update.  The existing IT Training program currently resides in the Business & Technology Building, second floor.  The program is very popular and successful, and looks forward to significant growth in the future.  The following program brief is offered by Mr. Troy Amick; Program Director, Information Technology Pathway at LCCC:

*"In fall of 2022, Laramie County Community College will officially launch a major expansion of our ability to instruct and provide Wyoming with a highly trained technical workforce. This expansion will encompass leaps forward in Applied Information Technology instruction, preparing an employee base that meets the needs of today and looks to build for the requirements of tomorrow. During advisory meetings with industry representatives, the inability of Wyoming to provide a technically skilled workforce versed in modern technologies is mentioned time and again. The new Information Technology Pathway at LCCC works to address this need.*

*Currently offering five (5) distinct programs with twenty-six (26) courses, the new pathway will expand this to twenty-three (23) distinct programs and seventy-four (74) courses between fall of 2022 and spring of 2026. Programs such as Datacenter Specialist are designed to prepare students to enter the workforce quickly, while new offerings in Virtualization, Cloud, Data Analytics, Networking, Applied Programming, Telecommunications, and Cybersecurity offer intermediate skillsets towards an Associate of Applied Science Degree. Additional offerings at more advanced levels are also under consideration and planning.*

*Effectively leveraging federal funding opportunities will position LCCC to not only have innovative and high-potential program offerings but can position us as a regional and national leader in IT education and workforce production. Our program has grown and been built on leveraging donated and defunct equipment and resources. Faculty often instruct with technologies that lost relevancy in 2015 or earlier, and the newest technologies are taught as theory and with images from the internet. Lab spaces are compromises in space and utilization, with concerns over floor-load capacities, network capabilities, and electrical supply resulting in disparate lab experiences and locations. Over and again, employers have indicated that graduates with hands-on, demonstrable experience and skills have more value and higher initial earnings potential. Technological currency is an important aspect of that.*

*Properly equipping and modernizing the existing facility and lab spaces will be a 7-10 year stopgap in the growth of LCCC into the forefront of premiere IT training. The best solution is the construction and outfitting of a dedicated training facility or addition, where labs and infrastructure are designed from day 1 for support of IT education. This construction would also support the design of a compartmentalized program for Cybersecurity, where resources are logically and physically separated from LCCC networks to protect student and school data. A grant would construct a world-class facility and support the program with technology and resources that could last (and remain relevant) for 7-10 years. The grant would be utilized in the following manner:*

- *Construction of a new Information Technology Training facility, or addition to the FlexTech facility, to support the Pathway. Construction of top-of-the-line lab spaces, including a Datacenter lab, Fiber Optics lab, Telecommunications lab, Hardware lab, Networking Lab, Cybersecurity Lab, and a Blockchain lab; classroom spaces equipped for the future, and sufficient infrastructure resources to meet current and future needs. "*

**Design Process and Progress:** Based on the great head start on the formulation of the expanded IT Training program, the master plan team developed conceptual designs and cost estimate to be included in this master plan document. The design effort began by detailing a Space Program of needed spaces. Quantities and sizes of rooms, along with special attributes were determined. This Space Program became the recipe book for the facility layout.

**The Southeast Corner of the LCCC Campus:** The excitement of this expanded program is contagious. It speaks to great possibilities for future opportunities for our youth and community. This was proposed to provide the new addition with a prominent location on campus, that could be seen while passing by. With a highway alignment project forthcoming in the near future, LCCC is in the position of obtaining additional land on the southeast corner of campus. With this in mind, the southeast corner of the modern FlexTech Building was selected as an appropriate location for the IT Training Center addition.
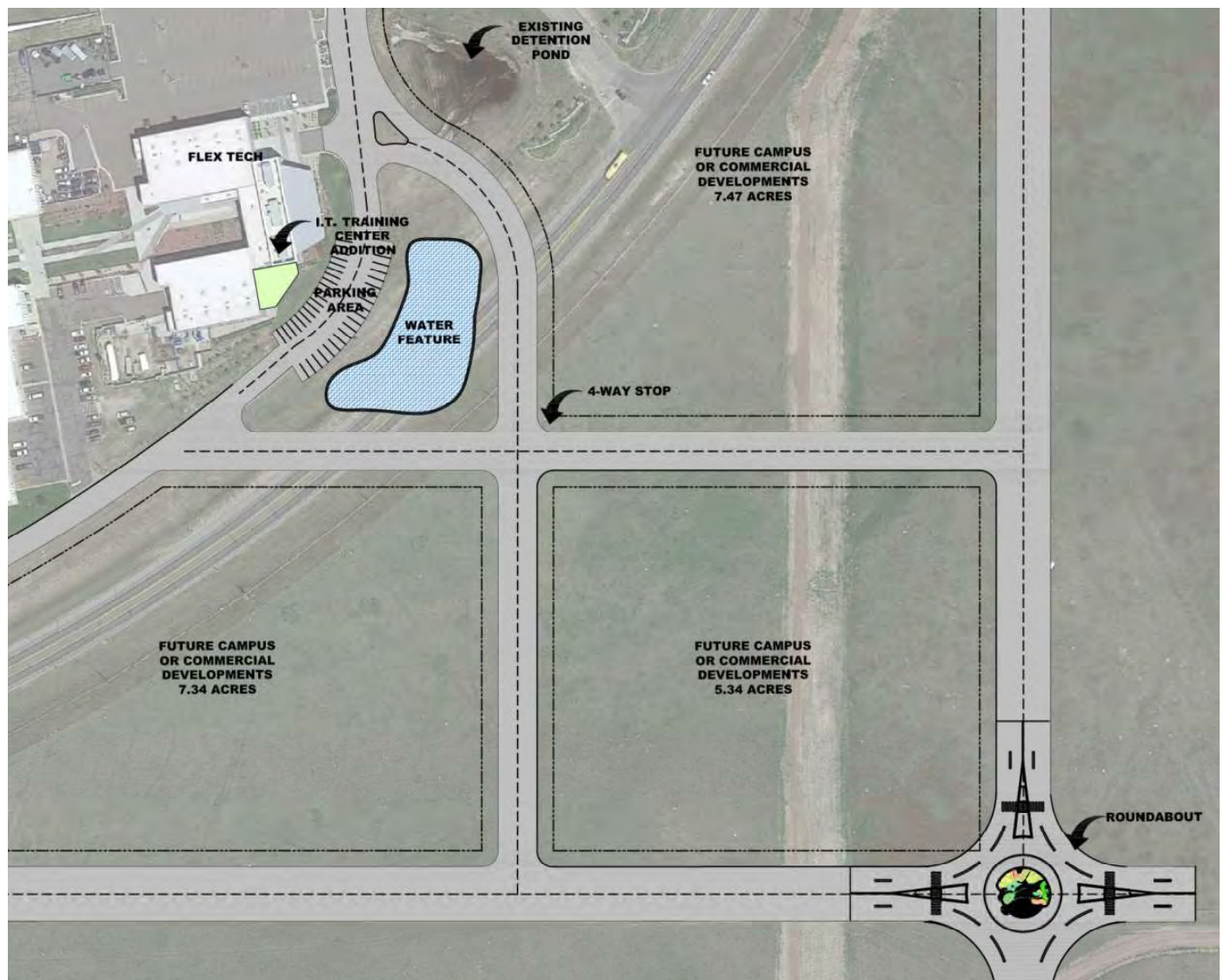


*The diagram above shows one conceptualization of the possible development of the southeast corner of the LCCC campus, with the proposed It Training Center addition onto FlexTech.*

**First Floor Plan Organization:** The first floor positions the main entrance away from the prevailing Wyoming wind. The Cyber City feature is put on a prominent display in the central core. Most of the faculty offices are located here for easy access by students. The plan is efficient in that it connects to, and utilizes, FlexTech toilets, stairs and elevators for service.

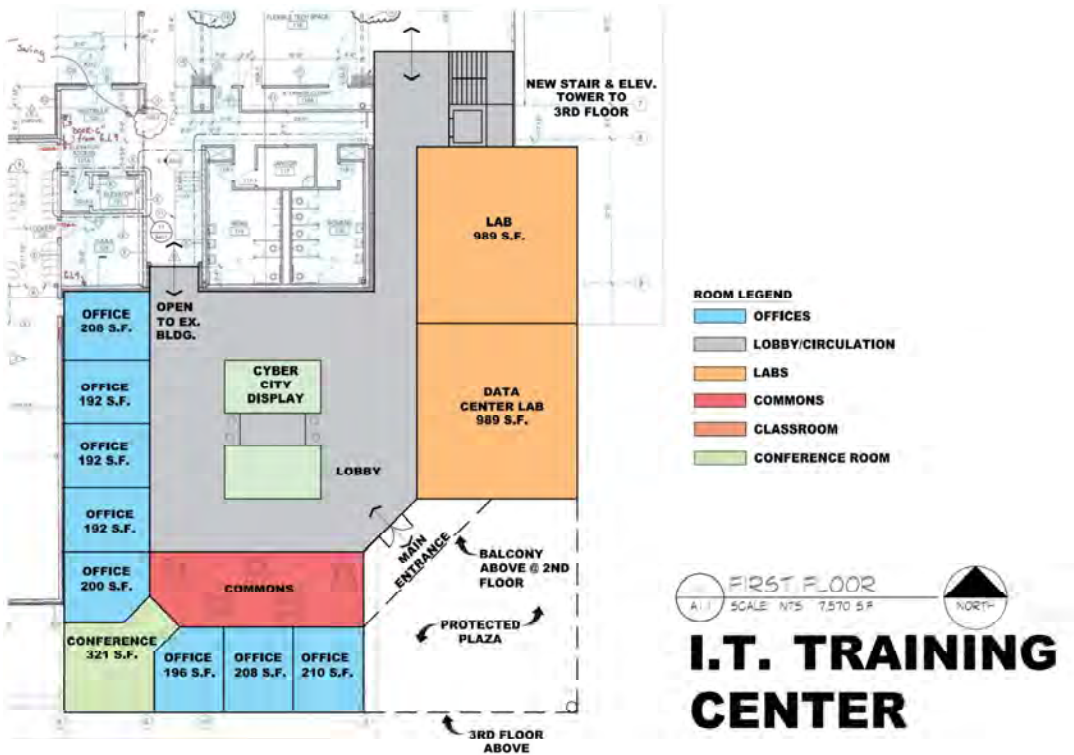

*Diagram of the proposed first floor of the IT Training Center.*

**Second Floor Plan Organization:** The second floor has great academic utilization, with classrooms and labs.
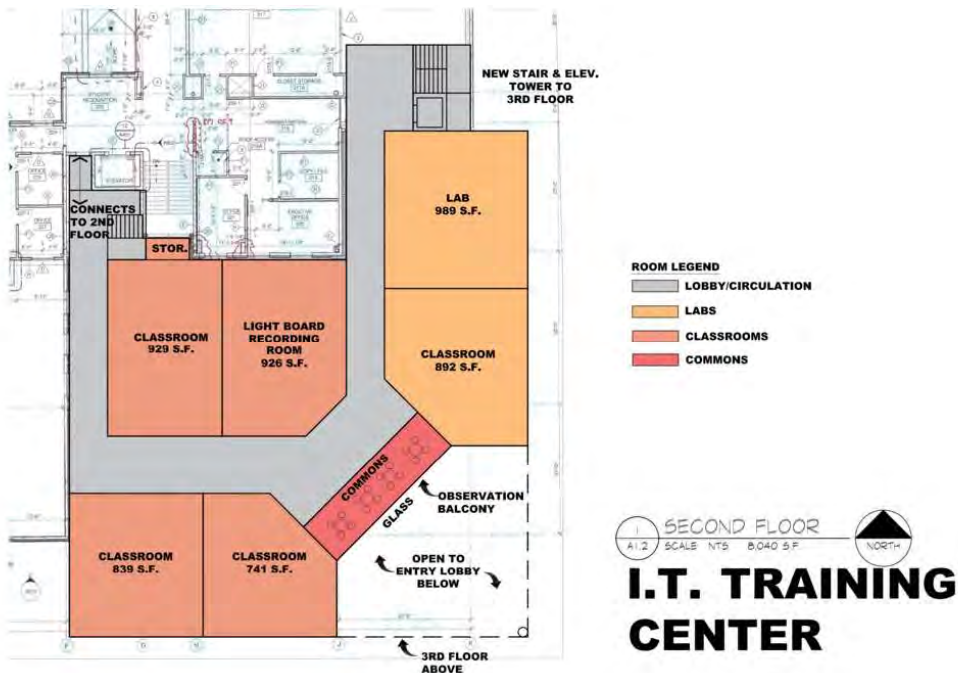


*Diagram of the proposed second floor of the IT Training Center.*

**Third Floor Plan Organization:** The third floor again has great academic utilization. It also has additional faculty offices and a conference room that extends out over the main entrance below.
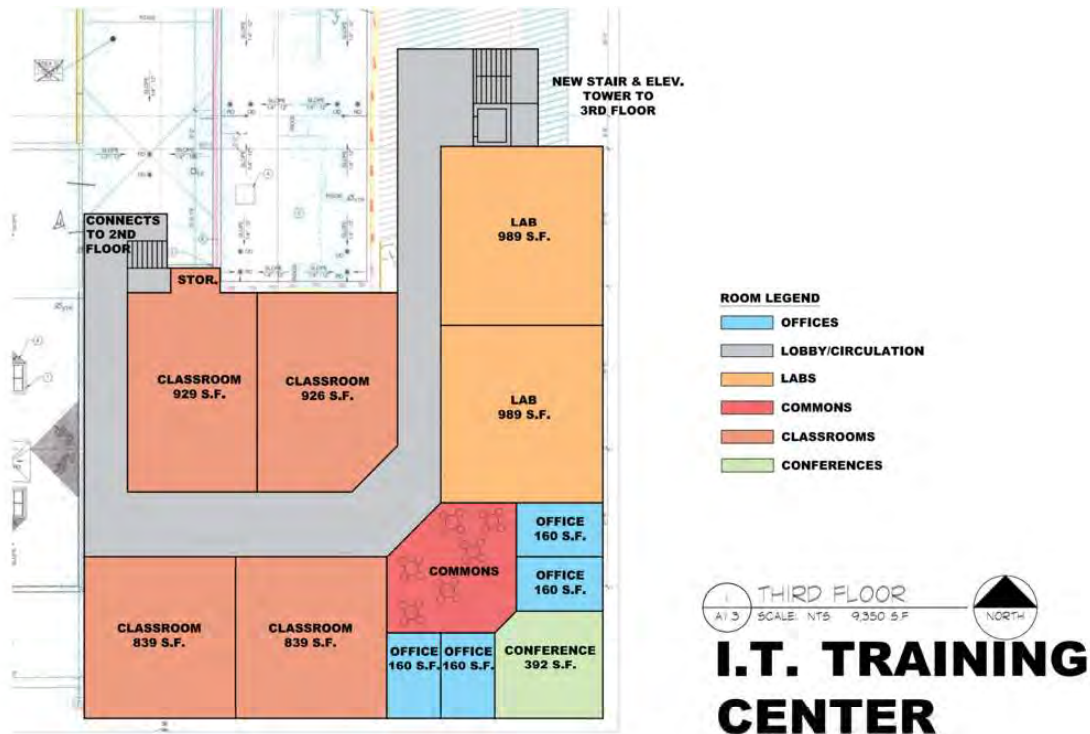


*Diagram of the proposed third floor of the IT Training Center.*

**Exterior Visualization:** The purpose of a master plan is not to fully develop a design concept, but rather to initiate a project scope for future funding and implementation. However, with enthusiasm, we offer the following 3D images of what just two ideas for the exterior of the new IT Training Center might look like.



*This image shows one idea for the new IT Training Center addition onto FlexTech, as viewed form the southeast.*

**Above Image:** *This image shows the same IT Training Center addition, with a different palette of exterior materials and forms.*



**Image to the Left:** *With a prominent location near the new highway intersection, the new IT Training Center could feature a lighting scheme that creates a sort of beacon to the campus at night.*

## CONCEPTUAL PROJECT COST ESTIMATE

| | Quantity | Pricing Unit | Unit Price | Total Cost |
|---|---|---|---|---|
| **Division 1 - General Conditions** | | | | |
| Mobilization | 1 | ls | $ 35,000 | $ 35,000 |
| General Conditions | 2% | % | $ 10,250,000 | $ 205,000 |
| Bonds & Insurance | 0.8% | % | $ 10,250,000 | $ 82,000 |
| **Total Division 1** | | | | **$ 322,000.00** |
| | | | | |
| **Construction Costs** | | | | |
| Offices | 2,238 | sf | $ 350 | $ 783,300 |
| Lobby/Circulation | 7,488 | sf | $ 325 | $ 2,433,600 |
| Labs/Cyber City | 5,311 | sf | $ 400 | $ 2,124,400 |
| Commons | 1,396 | sf | $ 325 | $ 453,700 |
| Classroom | 7,864 | sf | $ 375 | $ 2,949,000 |
| Conference Room | 713 | sf | $ 350 | $ 249,550 |
| Road Reconfiguration / Sitework | 1 | ls | $ 1,000,000 | $ 1,000,000 |
| Landscaping | 1 | ls | $ 250,000 | $ 250,000 |
| **Subtotal Construction Costs** | | | | **$ 10,243,550** |
| General Contractor OH&P | 1 | % | 8% | $ 845,244 |
| **Total Construction Costs (Including Division 1)** | | | | **$ 11,410,794** |
| | | | | |
| **Project Soft Costs** | | | | |
| Architectural / Engineering Fees | | % | 8% | $ 912,864 |
| Testing & Inspection | | % | 1.00% | $ 114,108 |
| FF&E | | % | 4.00% | $ 456,432 |
| Construction Contigency | | % | 10% | $ 1,141,079 |
| Design Contingency | | % | 10% | $ 1,141,079 |
| **Subtotal Project Soft Costs** | | | | **$ 3,765,562** |
| | | | | |
| **Total Project Cost  - Hard & Soft Costs Combined (IT Training Center)** | | | | **$ 15,176,356** |

**Project Origin:**  The Agricultural and Equine Program at Laramie County Community College is an important aspect of both the college and the community.  Enrollment has been constant over the last several years, but improvements can be made; most of which directly relate to the condition of the existing facilities.  The following information and diagrams were taken from the LCCC Agriculture  & Equine Master Plan, which was completed in January of 2020 by the architectural firm Cushing Terrell:

# AG Master Plan Phase 1
## (2022 - 2025)

This document provides a series of different recommendations, referred to as "menu items", and based upon the FCI analysis, proposed Master Plan options, additional recommendations, and prioritization of new construction. The menu is separated into  (2) phases (3 years, 5 years+)    with distinct scopes of work divided into categories of Facility Maintenance and Repairs, Program Upgrades, and Program Growth.

1.  **Facility Maintenance and Repairs -** Items associated with repairs and upgrades derived from the multi-disciplinary Facilities Cost Index (FCI) assessment.

2.  **Existing Program Upgrades -** Items associated with proposed upgrades or renovations to existing facilities.

3.  **Program Growth -** Items associated with future construction to meet the needs of the growing Ag & Equine programs.

## FACILITY MAINTENANCE AND REPAIRS

1.  Arena Maintenance and Repairs
    a. Roof replacement – scheduled for 2022 per LCCC
    b. Replace caulking between concrete panels
    c. Clean Fire Alarm and voice evacuation systems

2.  Ag. Classroom Maintenance and Repairs
    a. Accessibility upgrades to casework and showers
    b. Clean Fire Alarm and voice evacuation systems

3.  Stall Building Maintenance and Repairs
    a. Replacement of roof
    b. Maintain paints and sealants on exterior concrete walls
    c. Toilet room accessibility upgrades
    d. Clean Fire Alarm and voice evacuation systems

4.  Livestock East Repairs
    a. Provide gutters, downspouts and splash blocks as required to collect water and direct away from building

5.  Livestock South Repairs
    a.  Provide gutters, downspouts and splash blocks as required to collect water and direct away from building
    b. There is no construction joint in the concrete wall on the North side of the stalls, retrofit with construction joints to prolong life of wall

# PROGRAM UPGRADES

1. **Existing Arena Upgrades**
   a. New siding on existing arena
   b. New overhead door in existing arena
   c. Accessibility Upgrades to Existing Arena

2. **Landscape and Fencing Improvement along S. College Drive**

3. **Regrade and Reshape Roads, correct drainage and accessibility**

4. **Outdoor Arena Watering**


# PROGRAM GROWTH

1. Hay Storage Infill

2. Hay Barn

3. Livestock Addition and Pens

4. Quarantine

5. New Arena

6. Pens

7. Trailer Parking – 44 stalls

8. New Parking – 24 stalls

9. Replacement Parking – 50 stalls

10. Pasture

11. FFE & Equipment

12. Horse Stalls and Pens – 130 stalls

# AG Master Plan Phase 2
## (2015 - Beyond)

## FACILITY MAINTENANCE AND REPAIRS

1. Arena Repairs
   a. Clean algae off of interior stairwell walls, removed rust from wall plates, maintain paint and sealants
   b. Replace thermostat, air devices, ductwork, fans, louvers, and dampers
   c. Replacement of plumbing equipment and fixtures that is original and reaching end of useful life
   d. Upgrade lighting controls that were not previously upgraded, i.e. occupancy sensors
   e. Replace receptacles and power devices that have been exposed to moisture and are showing signs of corrosion

2. Ag. Classroom Repairs
   a. Replace fixed aluminum windows
   b. Maintain paints and sealants
   c. Replace casework and FFE as needed for educational models
   d. Replace heating and ventilation units, air terminals, heating water boiler and ductwork that is original and at end of life
   e. Upgrade thermal zones and DDC Controls
   f. Replace plumbing fixtures and equipment that are original and reaching end of life
   g. Upgrade lighting controls that were not previously upgraded, i.e. occupancy sensors
   h. Replace receptacles and power devices that have been exposed to moisture and are showing signs of corrosion

3. Stall Building Repairs
   a. Replace aluminum windows in stall building
   b. Replace exhaust fans, cabinet heaters, and unit heaters that are original and reaching end of life
   c. Replace plumbing equipment and fixtures that are original and reaching end of life
   d. Upgrade lighting controls that were not previously upgraded, i.e. occupancy sensors
   e. Replaced receptacles and power devices that have been exposed to moisture and are showing signs of corrosion

## PROGRAM UPGRADES

1. Cooling for Ag. Classroom

## PROGRAM GROWTH
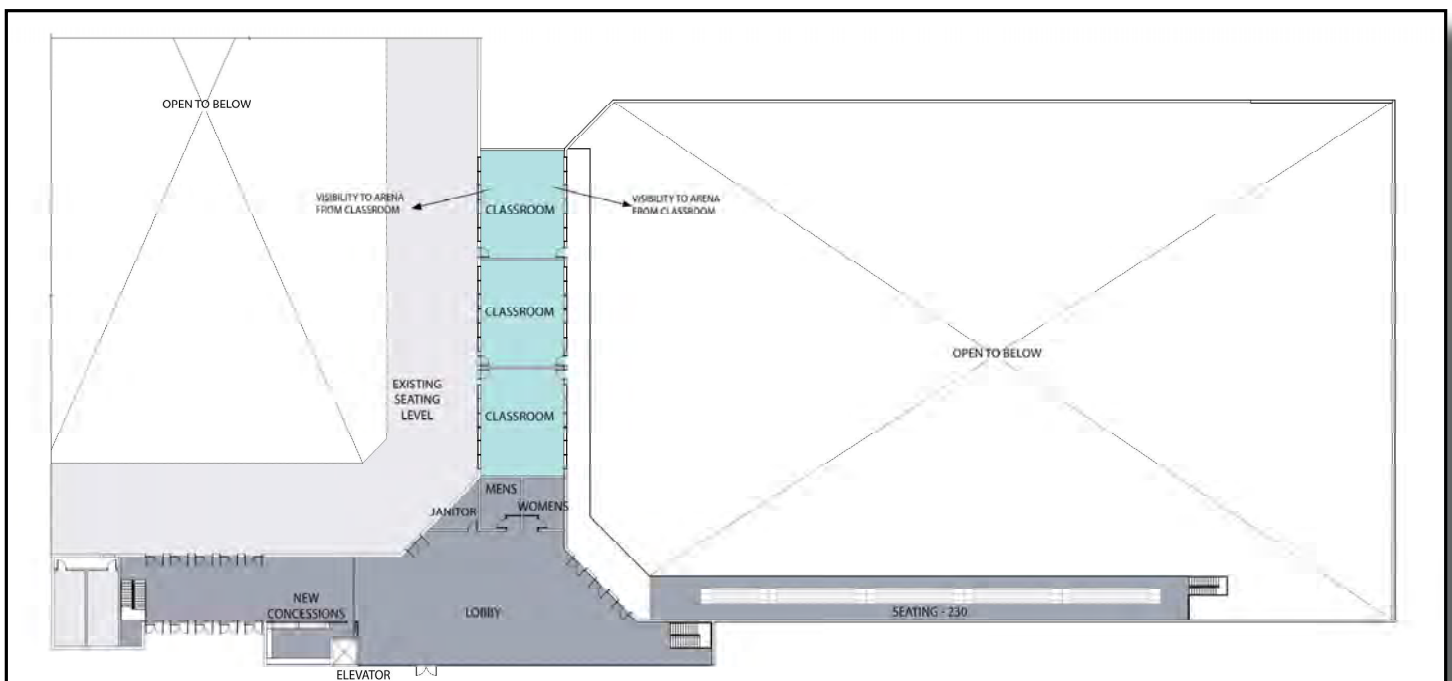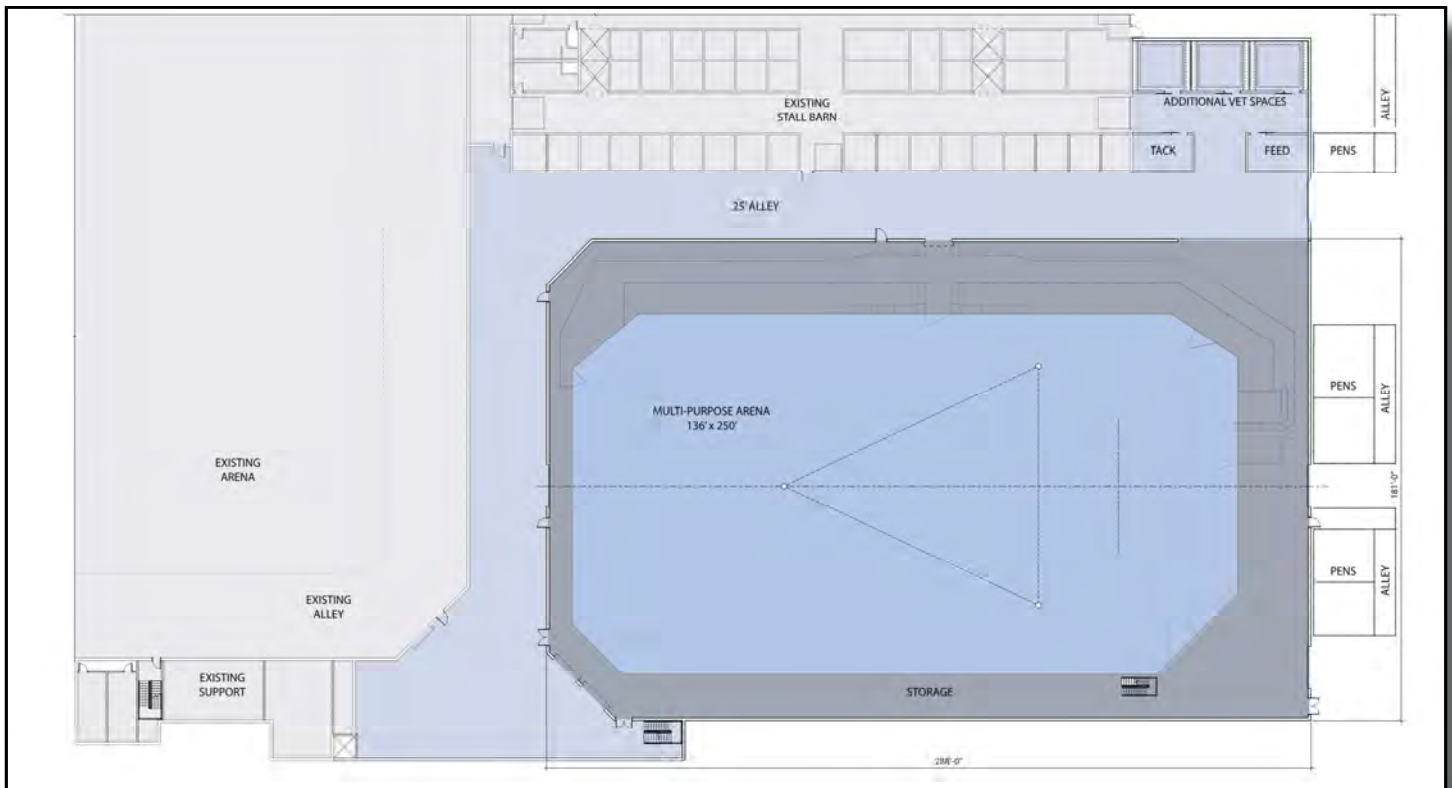
1. Multi-Use Livestock and Runs and Connection Lobby
   a. Existing Animal Science Lab would still serve a variety of functions in support of the equine program, including as a warm up area for equine practice and class warm-up, warm-up and runway for timed event practices, and of season storage for dump truck, trailers, pick-up, and rodeo equipment. Additionally this area has been used for portable stalls for large events.

2. Horse Stalls and Pens – 52 stalls

3. Trailer Parking – 22 stalls

4. New Parking – 27 stalls

5. Replacement Parking – 29 stalls

Top plan labels: EXISTING STALL BARN, ADDITIONAL VET SPACES, ALLEY, TACK, FEED, PENS, 25' ALLEY, MULTI-PURPOSE ARENA 136' x 250', PENS, ALLEY, EXISTING ARENA, PENS, ALLEY, EXISTING ALLEY, EXISTING SUPPORT, STORAGE



Bottom plan labels: OPEN TO BELOW, VISIBILITY TO ARENA FROM CLASSROOM, CLASSROOM, CLASSROOM, CLASSROOM, VISIBILITY TO ARENA FROM CLASSROOM, OPEN TO BELOW, EXISTING SEATING LEVEL, MENS, WOMENS, JANITOR, NEW CONCESSIONS, LOBBY, SEATING - 230, ELEVATOR

These plan diagrams were generated to show programmatic intent and were used as the basis for site planning as well as cost estimating. These are not architectural floor plans. Design of these spaces will be a necessary component of future scopes of work. These are representative of facilitating the needs of future program growth.

1. HORTICULTURE CLASSROOM/LABS/
GREEN HOUSE AND PARKING

2. MULTI-USE LIVESTOCK FACILITY

3. NEW ENTRY AND STUDENT LOUNGE

4. EXISTING CLASSROOM BUILDING

5. EXISTING ANIMAL SCIENCE BUILDING

6. EXISTING ARENA

7. EXISTING LIVESTOCK PENS

8. NEW LIVESTOCK PENS

9. EXISTING STALL BARN

10. NEW HAY STORAGE

11. NEW INDOOR ARENA

12. EXISTING PARKING LOT

13. EXISTING OUTDOOR ARENA

14. EXISTING HORSE STALLS

15. MAIN ENTRY

16. EMERGENCY VEHICLE ACCESS ONLY/
TRAILER EXIT, EVENTS ONLY

17. MAIN EXIT

18. NEW HORSE STALLS - 32 MORE PHASE 2

19. NEW HAY BARN

20. NEW TURNOUT PENS

21. NEW QUARANTINE BARN

22. NEW TRAILER PARKING - 75 TOTAL
(PERVIOUS/UNPAVED, POWER FOR RV HOOKUPS)

23. LANDSCAPE BERM

24. CORRAL & PASTURE

24

22

22

21

7    8

20

20

19

18

18

18

18

18

20

20

13

18

18

20

18

18

20

18

18

20

14

18

20

18

18

15

18

20

20

23