Selected Project Portfolio
USU/LAEP EXTENSION

LANDSCAPE ARCHITECTURE
& ENVIRONMENTAL PLANNING
Dear Citizens of Utah,

The Department of Landscape Architecture and Environmental Planning has a unique and successful partnership with Utah State University Extension. For the past 43 years, LAEP Extension has served communities statewide, and provided the design, communication and fundraising tools important to informed community development.

Throughout the history of the partnership, LAEP has provided invaluable service to our rural communities, and increasingly adds to our expanded focus on urban communities. Their work is an important feature of our outreach efforts, including our sustainable environmental initiatives. As examples, the projects in this portfolio have set the stage for grant applications, fundraising, community dialog and professional consulting.

In addition to the community benefits of the program, LAEP Extension includes a strong service-learning component. From the annual, all-department Charrette to the student-led Community Design Studio, LAEP Extension facilitates the education of future landscape architects, addresses the environmental well being of Utah, and positively impacts the health, safety and welfare of our citizens.

This portfolio is representative of the breadth and impact of the LAEP Extension partnership, and is emblematic of the values and mission of USU Extension. The work included demonstrates a comprehensive range of public improvement contributions. Based on their long history of community and student service, it is our good fortune to have LAEP Extension as a member of our USU Extension family and as a resource to the state of Utah.

Sincerely,

Brian Higginbotham
Associate Vice-President
Utah State University Extension
David L. Bell, MLA

USU EXTENSION SPECIALIST/ASSOCIATE PROFESSOR

David Bell is a Utah State University Extension Landscape Architect and an Associate Professor of Landscape Architecture and Environmental Planning. He has provided planning and design services to Utah communities including master plans, downtown redevelopment plans, parks, recreation and open space planning, community entry feature designs most of which have provided educational opportunities for students in the classroom or as interns. He also has taught at North Carolina State University, the University of Michigan and at Arizona State University.

Prior to teaching, David had over 25 years experience in community planning and design and worked on projects throughout the United States, Canada, Mexico, Europe and Asia including the planning and design of new communities, resorts, urban centers, streetscapes, parks and open space, and regional plans. He received a BLA from Utah State University and an MLA from the University of Michigan.

David T. Anderson, MLA, ASLA

PROFESSIONAL PRACTICE ASSOCIATE PROFESSOR

David Anderson is an Associate Professor in the Department of Landscape Architecture and Environmental Planning at Utah State University where he has teaching and Extension assignments. David instructs the department’s Introduction to Landscape Architecture course and co-instructs the Residential Land Planning Studio.

For 18 years, David worked as the Assistant Director and Director of the Utah State University Botanical Center (USUBC) in Kaysville, Utah. The USUBC is a 100-acre facility owned and operated by Utah State University dedicated to the mission of promoting resource conservation.

David has extensive experience and interest in water-conserving landscapes, regional identity, sustainable design and environmental education. He serves on USU’s Sustainability Council. Dave has a Bachelor’s degree in Ornamental Horticulture from Brigham Young University and a Master of Landscape Architecture from USU.

David T. Evans, MSED, MUD

PROFESSIONAL PRACTICE ASSISTANT PROFESSOR

After 25 years of professional practice in California, David joined the LAEP faculty in 2012. His role in the department includes teaching and leadership of the Community Design Studio (CDS), an Extension/LAEP partnership. The CDS is focused on service learning and community engagement. Working with a graduate assistant, David leads small student teams that provide landscape architectural services to the community. The CDS is an opportunity for the students to work directly with a client and meet a mutually defined scope of services and schedule. Other teaching assignments include Construction Document Preparation, Site Planning & Design, Professional Practice, and as co-instructor, the Field Studio, a class focused on landscape construction.

David’s 37-year professional history includes design/build, development planning, park and open space design, downtown and corridor revitalization, and public facilitation and construction. His education includes a Master of Science in Ecological Design from the Conway School, and a Master of Urban Design from UC Berkeley.
Principles and Services

Principles

Land Grant Mission
In the spirit of our land grant mission, LAEP Extension serves individuals, agencies, non-profit organizations and communities statewide. Our mission is to create communication and fundraising tools that establish a design vision, support client objectives and lead to successful grant and fundraising activities. Our work typically addresses underfunded projects, and sets the stage for professional consulting.

Stakeholder Communication
In a community setting, we work to establish unbiased and transparent lines of communication. Creating a community vision is a democratic, inclusive and collaborative process, and begins with an understanding of the stakeholder’s needs. Design that flows from an open dialogue leads to a vision that accurately reflects community needs.

Sustainable Education
Sustainable design is now a fully integrated part of our professional lexicon, and an idea ubiquitous to community design. Given our environmental design expertise, LAEP Extension provides the communication and design tools critical to envisioning a sustainable future. Our role as educators can broaden public environmental discourse and establish a communities’ vision for sustainable design.

Services

Services Design and Delivery
What we learn about the community from the stakeholders, informs the design and delivery of services. Our client’s program has a direct correlation to the services provided. Regional or district scale projects may be suited to studio teaching or our all-department charrette, while smaller projects might be produced by a field specialist or small student team.

Environmental Assessment
Environmental Assessment is critical to design concepts that work and satisfy client goals. What we learn from our assessment is an opportunity to teach and broaden community awareness. The opportunities and constraints inherent in every project grow from a thorough analytical foundation. In combination with effective stakeholder communication, environmental assessment is at the heart of successful design and long-term value to our clients.
Park, Open Space & Trail Design

Park, open space and trail design is fundamental to our professional identity, and forms the democratic armature of pedestrian access and community health. These projects often include city, county and federal collaboration and benefit from our focus on stakeholder communication and collaborative design. As a discipline, our history of park, open space and trail design is central to our LAEP Extension identity and services.

Urban, Corridor & Site Design

As communities' look to minimize infrastructure investment, urban and corridor revitalization is the centerpiece of public design. These project types address the changing needs of our communities and better prepare our students for the marketplace. In addition to the downtown and corridor scale, site-specific projects are the primary focus of LAEP Extension planning, design and service-learning work.

Gateway & Identity Design

Important to the success of downtown and corridor revitalization projects is a community's sense of arrival and identity. Gateway and identity design can convey a fresh sense of community optimism and spirit, and is a core service. Strengthening the sense of arrival and identity is a welcoming invitation to stop, shop and add to the life of the community.

Guidelines & Standards Preparation

In the interest of long-term design value, LAEP Extension can provide design guidelines and standards. These tools contribute to future cost-effective design and effective community decision-making. Guidelines and standards have significant ‘shelf-life’, establish a clear understanding of community preferences and shorten the public review and approval process. Guidelines and standards inform future design, add to project efficiency, and express our client’s vision.

Marketing, Communication & Fundraising Tools

The LAEP Extension products are geared toward public dialogue, identity, marketing, fundraising and design value. All of the graphic and narrative outputs are tied to program, existing conditions analysis, and collaborative dialogue. The words and images of LAEP Extension express a community vision, and serve as a basis for successful grant applications, consultant communication and enduring community support.
Extension LAEP Project Locations
FROM 1993 TO PRESENT
Selected Client List

Gary Anderson, Past Mayor
Ephraim City & USU Extension Agent

Walt Baker, Director
Utah Division of Water Quality

James Barnhill, USU Extension
Weber County

Jason Barto, Community Forester
Wasatch Back Trees

Monte Bona, Council Member
Mount Pleasant City

Betsy Byrne, Lead Planner
Envision Utah

Nathan Coats, Director of Operations
Cache Valley Transit District

Troy Cooper, Director
Willow Park Zoo

Brian Cottam, Division Director / State Forester
Utah Division of Forestry, Fire and State Lands

Andrew Cushing, Fisheries Coordinator
Utah Division of Wildlife Resources

Sean Damitz, Director
USU Center for Civic Engagement & Service Learning

Tom Dansie, Director of Community Development
Springdale, Utah

Marcy Demillion, Community Planner
National Parks Service

Julie Fisher, Executive Director
Utah Department of Heritage and Arts

Greg Graves, Commissioner
Ogden Valley Planning Commission

JayDee Gunnell, USU Extension
Davis County

Ryan Halverson, Landscape Architect
Utah Department of Transportation

Dan Harelson, Project Manager
Portneuf Greenway Trail Foundation

Steve Hiatt, Mayor
Kaysville City

Mark Holden, Project Manager
URMCC

Jim Huppi, Campus Landscape Architect
Utah State University

Gay Jorgensen, Director
Lewiston Senior Living Center

Dave Livermore, Director
The Nature Conservancy of Utah

Shannon Miller, Director
Central Utah Pioneer Heritage Association

Nancy Monteith, Landscape Architect
Salt Lake City Parks & Public Lands

David Ogden, Mayor
Richfield City

Jordan Oldham, Park Planner
North Logan City, Utah

Shawn Olsen, USU Extension
Davis County

Father Pires, Priest
St. Thomas Aquinas Catholic Church

Julie Ann Prescott, Director
Ranches Homeowners Association

Larry Rupp, USU Extension
Water Conservation Specialist

Rob Sweeten, Landscape Architect
Bureau of Land Management Utah State Office

Bronson Tatton, Landscape Architect
JUB Engineers

Sean Warnke, City Manager
Tremonton City, Utah

Blake Wigdahl, VP Design & Programming
Thanksgiving Point Institute

Michael Wolford, Director
Don & Janet Wolford Foundation

Brennan Wood, Economic Development Director
Cedar City Corporation
Ogden Valley Charrette

WEBER COUNTY/OGDEN VALLEY PLANNING COMMISSION
OGDEN VALLEY, UTAH

The LAEP Charrette is a fast-paced, dynamic planning and design exercise. Each year the LAEP Department engages all of the LAEP students and faculty in a week-long charrette. The purpose is to expose students to complex issues in a real place with actual clients that result in tangible and meaningful impacts.

During the 2014 Charrette, LAEP students were exposed to growth and development issues in a beautiful valley 20 minutes east of Ogden, Utah. The valley is home to three ski resorts, three small communities, a reservoir, a monastery, wildlife and breath taking vistas.

“I think [the Charrette] will have a remarkable impact because I think people will begin to see, number one, what can be done to make the valley very interesting for visitors and the associated businesses. There was just a wealth of information there, and it was great to see such a broad range and depth of thinking.”
— Pen Hollist, Chairman
Ogden Valley Planning Commission

FEATURES
50,000+ Acres
Resort Planning
Ag. & Wildlife Preservation
Water Quality & Quantity
Monastery Preservation Planning
Pineview Reservoir
Community Growth
Transportation

OUTCOMES
60 - 24"X 36" Posters
County Council Presentations
Planning Commission Presentation
Pre-charrette, Citizen Workshop
100 Stakeholders Involved

IMPACTS
100 Stakeholder Participants
120 Students - 6,000 Hours
$100K for Future Planning
Benefit to 7,000 Residents
Trail Concept - 20 New Miles
2 New Studio Projects
Viable Wastewater Solutions

LANDSCAPE ARCHITECTURE
& ENVIRONMENTAL PLANNING
Ogden Valley Charrette

The Ogden Valley Charrette was a collaborative planning process aimed at preserving the unique qualities and character of the Ogden Valley. The Charrette brought together a team of professionals and stakeholders to develop a comprehensive plan for the valley's future. The process involved extensive research, community engagement, and the development of a detailed preservation strategy.

**Unique Qualities of Ogden Valley**

- Streams
- Wildlife Habitat
- Ridge Lines
- Major Roads
- Land

**Valley: Open Space**

Preserving open spaces is a key aspect of the plan. This includes maintaining the valley's rural feel and ensuring the preserved quality of the natural beauty of the area. Open spaces are critical for maintaining the valley's identity and preserving the views.

**Entry View Corridors**

Preserving open view corridors and the entrance experience to Ogden Valley is a key factor in maintaining the valley's rural essence. These corridors should be left open to allow for unobstructed views of the natural landscape.

**Agricultural Land**

Agricultural land is an important component of the valley's landscape. The plan includes recommendations for preserving agricultural land and agricultural practices. This helps in maintaining the valley's identity and supporting local communities.

**Wetland Areas**

Preserving wetland areas is crucial for maintaining the health of local ecosystems. The plan includes strategies for protecting and enhancing these areas.

**Stream Corridors**

Streams and rivers add interest and support diverse wildlife. The plan includes recommendations for protecting and enhancing stream corridors.

**Wildlife Areas**

Preserving critical wildlife habitat locations is essential for the survival of various species. The plan includes strategies for identifying and acquiring wildlife habitat easements.

**Preservation Tools**

Preservation tools are used to protect the unique qualities of the valley. Examples include restricting advertisement signage, producing a building quality plan, establishing setbacks and buffers, and determining appropriate setbacks for buildings.

**Waste Water Treatment**

The use of treated effluent for irrigation is a sustainable approach to managing waste water. The plan includes strategies for incorporating this practice into local planning.

**Development Rights**

Owners who have experienced a loss of development rights are given compensation. The plan includes a compensation fund for property owners in affected areas.

**Conclusion**

The Ogden Valley Charrette was a successful collaborative effort that resulted in a comprehensive plan for the valley's future. The plan addresses the unique qualities of the Ogden Valley and provides strategies for preserving them. It is a testament to the power of collaborative planning and the importance of protecting the natural and cultural heritage of our communities.
UNIQUE QUALITIES OF OGDEN

Streams
Ridge Lines
Major Roads

VALLEY: OPEN SPACE
ENTRY VIEW CORRIDORS

• Restricting advertisement signage or any
• Producing a building quality plan including

Preservation tools:

experience to Ogden Valley is a key factor in

Preserving open view corridors and the entrance

in Ogden Valley as well as the health of Pineview

habitat of these animals is crucial to their survival

Ensuring the preserved quality of the natural

streams that empty into Pineview Reservoir.

Ogden valley currently enjoys an abundance of

WILDLIFE AREAS

• Develop a compensation fund for property
• Consider agricultural land in open space

Preservation Tools:

Agricultural land is an important component of

valley’s identity

also provide open areas for wildlife in the

the rural essence of the valley. These lands can

landscaping within corridor boundaries and

location, height, materials, colors, and

those entering the valley along this route. The 100 ft. setback

policy currently in place for entry corridors should be increased for

those entering the valley along this route. The 100 ft. setback

those entering the valley along this route. The 100 ft. setback

those entering the valley along this route. The 100 ft. setback
USU Proposed Student Center

UTAH STATE UNIVERSITY
LOGAN, UTAH

FEATURES
- Inaugural Dean’s Prize
- Redesign of Aggie Boulevard
- Amphitheater
- Improved Pedestrian Access
- Diverse Outdoor Use Areas
- Dry Climate Garden
- Defines Heart of the Campus

OUTCOMES
- 8 Master Plans for Jury Review
- Fundraising/Communication Tool
- Future Design Tool

IMPACTS
- Experience for 24 Students
- 600+ Hours Studio Production
- Showcased in the Student Center
- Displayed at USU Homecoming
- Design Competition Experience

The Proposed Student Center Plans reinforce the student heart of campus, improve outdoor use and access, provide an amphitheater for student events, redesign Aggie Boulevard, and develop a comprehensive dry climate garden throughout. Student teams prepared a submittal for jury review. Winners were selected, and the Dean’s Prize awards ceremony held during the final class celebration.

Student teams of three were formed with a total of 8 submittals. A jury of campus leaders, including Dean White, selected the winning and honorable mention teams. The project area and design program were established by Student Services and USU Facilities, and grows from the existing Student Center Feasibility Study.

The plans, sections and perspectives are touchstones for Campus Facilities as the design process for the new Student Center unfolds. The project was an excellent opportunity for the students to contribute to the life of the campus community, and be validated for their hard work and skill. As the final project, this was a fresh and important opportunity to demonstrate the skills acquired during the semester.

LANDSCAPE ARCHITECTURE
& ENVIRONMENTAL PLANNING

EXTENSION
Utah State University
Produced as a member of the AIA Strategic Design Assistance Team (SDAT), our contributions include the design of Midland Square, and downtown streetscape improvements. The design includes a veterans memorial, improved pedestrian access, a stage, a farmers market, private seating areas, and streetscape improvements. The SDAT Plan gives the city a tool that supports future revitalization.

The design for Midland Square accommodates new uses such as the Farmer’s Market and musical/film events, and provides improved pedestrian access into and through the site. The Veteran’s Memorial is a private, reflective location in the garden and the plaza and lawn area make a flat and accessible space for the Farmer’s Market.

The existing Midland Square Memorial is preserved and integrated into the water feature and establishes community identity along Main Street. In addition to design support, we contributed to public facilitation and presentation to the city council. This initial project led to additional design opportunities with the city.
Visual Communication

USU Botanical Center
KAYSVILLE, UTAH

FEATURES
Promotional Signs
20 + Interpretive Panels
Various Street Banners
Various Directional Signs
Regulatory Signs

OUTCOMES
Improved Circulation
Increased Awareness
Improved Information Sharing
Promotion of Garden
Promotion of local attractions

IMPACTS
125K/Day on I-15 View Sign
Increased Event Attendance
Increased Visitation
Information Adoption
Supports Onsite Demonstration

This project includes development of promotional, directional, interpretive, and regulatory signage at the USU Botanical Center. An attractive, coordinated approach to consistent facility branding and identity was implemented for all signage types.

A family of signage types has been developed for the USU Botanical Center. Included in this family are promotional, directional, interpretive, and regulatory signs.

A large (18’ high x 40’ wide) identity sign was designed, funded, and installed next to I-15. This sign raises awareness both of the Botanical Center and USU as it is viewed by 125,000 passing cars every day. The sign identifies and gives presence to USU in an invaluable way along the Wasatch Front.

Numerous interpretive panels have been developed that assist in explaining various Botanical Center objectives and demonstrations.

Other event promotion and regulatory signs have been developed to guide visitors with opportunities and on-site rules.

Additional directional signs have been placed to get visitors from the freeway and other major roads as well as on-site wayfinding.

LANDSCAPE ARCHITECTURE & ENVIRONMENTAL PLANNING

EXTENSION
Utah State University
The Senior Living Center Garden is a plan with sweeping views of the mountains and a diverse, accessible native garden. The garden includes a dining terrace, a fire pit plaza, new walkways, garden sitting spaces and a rich collection of native plantings. The seasonal character of the garden provides year around interest, and serves private and community use.

The site is adjacent to an elementary school and the county fairgrounds, with the Wasatch Range as backdrop. The fire pit plaza is oriented to these long, open views. The garden is ADA accessible and includes a diverse collection of native plants, with seating throughout. The plan and perspective sketches are being used for bidding and fundraising. Construction is scheduled for Fall 2015.

The pathway design of the garden includes a 4’ wide paved path and a 2’ wide gravel path. Two paved plazas anchor the eastern and western ends of the garden. A dining terrace to the east and a fire pit terrace to the west accommodate multiple uses and users. Interior garden paths and benches provide intimate use areas and seating space.
FEATURES
Currently Under Construction
5 + Acres
Regional Trail Junction
Moab Community Park
Information Center
Regional Transit Hub
Information Center/Restrooms

OUTCOMES
4 Student Stipends
Service Learning Experience
Public Display and Comment
Consensus Plan

IMPACTS
Multi-Agency Coordination
$100K Grant for Final Design
Transit Hub for Arches N.P.
1 Million Annual Visitors
2 1/2 Mile River Trail - $9 M

It is not often that a strategically located piece of landscape is available to serve so many user groups and in such significant ways. Located just east of the US 191 highway bridge that crosses over the Colorado River, the property is triangular in shape and straddles Utah Highway 128. Mountain bikers, tourists, locals and many more will use its facilities and enjoy its ambiance.

A few years ago a group of people with mountain biking interests got together to discuss the future of Lions Park where major hiking/biking trails intersected. It became obvious as to how important this piece of landscape was and the group grew into a large committee with a variety of interests in the future. The major challenge of working on this project was to develop a good plan that addressed the issues coming from this large committee. Many alternatives and versions were developed before a plan was selected to move forward with. It took a number of years.
USU Student Living Center

UTAH STATE UNIVERSITY
LOGAN, UTAH

FEATURES
Four Mid-Rise Housing Towers
Improved Fire Access
New Bicycle Storage
Outdoor Plaza
Intimate Study and Use Areas
Improved Pedestrian Circulation
Defined Heart of the Living Center

OUTCOMES
2015 Master Plans Approved
Fundraising/Communication Tool
New Fire Access Codes Applied
Future Design/Construction Tool

IMpACTS
1000+ Student Residents Served
Experience for 9 Students
70+ Hours of Studio Learning
USU Housing Served

The Student Living Center plan establishes a diverse heart to this important housing complex. The design meets updated fire access requirements, while creating a public plaza, intimate outdoor use areas, improved pedestrian access and new bicycle parking facilities. The plan serves as a touchstone for future planning and design by USU housing.

The primary challenge of the design was meeting fire access and staging requirements of the site. Two design plans, with sections and perspective sketches, were prepared and presented to representations of USU Housing and the Fire Department. The plans are invaluable communication tools as design and planning move forward.

The plans improve the quality of life for the residents by creating an attractive space for individual and group use, while improving pedestrian, bicycle and fire access. The garden is sustainable and low water use, and defines the plaza and intimate outdoor use areas.

LANDSCAPE ARCHITECTURE & ENVIRONMENTAL PLANNING
Previously, the site did not have a functional configuration paths and routes, primarily due to the place, it has been designed to specialize in efficient pedestrian circulation, fire lane accessibility, and areas of the student community in the surrounding residence halls. While not intended to be a central gathering DESIGNT INTENT

To utilize the given hardscape, inspiration is proposed to be constructed of permeable pavers to allow infiltration of stormwater and to differentiate suitable for passive recreation. In essence, it is intended to be a place for all to enjoy.

In order to achieve that function, there are two Halls they are adjacent to. In order to create a space that would satisfy the needs of the campus community, Student Living Center by incorporating a

Creating a promenade leads from concrete. The need for passive recreation was met by creating respite areas within and without the central bike area and planter beds. The proposed configuration of dispersed bicycle parking around a central planting area.

It may also serve as an optional planting area around the windbreak can serve as an additional windbreak. The proposed configuration of dispersed bicycle parking around a central planting area.

A shade tree provides an overhead canopy to cool the plaza.

Conifers block wind and provide enclosure for the site. This will be especially

Sewer access is still available to be constructed of ground covers where benches may be placed.

Stormwater management is still available to be constructed of permeable pavers to allow infiltration of stormwater and to differentiate the vertical element of the site. Create visual interest and enclosure by varying the aesthetic.

Shade trees
Shade trees

Student Living Center Courtyard

ILLUSTRATIVE PLAN

Professor David Evans
Branch Swanson, Sam England
Team Captain: Sam Taylor

NOT TO SCALE

Team Members: Nicholas Decker, Kendall Hancey,
Powell Museum Sustainable Landscape Plan

CITY OF GREEN RIVER
GREEN RIVER, UTAH

FEATURES
- Approximately 3 Acres in Size
- Outdoor Interpretive Facilities
- Public Space for Locals
- Picnic Areas for Visitors
- 2 Amphitheaters
- On/Off -Site Trail System

OUTCOMES
- 2 Alternative Concept Plans
- Schematic Landscape Plan
- Concept Irrigation Plan
- Plant List & Cost Estimate
- Phasing Plan & Strategy
- Trail Connections Plan
- Improved Parking System
- 3 Presentations to City Council

IMPACTS
- 75% Less Turf & 50% Water Savings
- $500K +/- Construction Cost
- Grad Student Support
- Projected 300K Annual Visitors

Our challenge was to reduce water consumption which was accomplished by eliminating grass except where it was needed in high traffic use areas. We also produced a plan that added Museum facilities to the outdoors with interpretive information, amphitheaters and picnic areas and tied it all together with a trail system.

In the past there was no way to experience any of the museum when it was closed. Our concept plans included adding artifacts and interpretive information along a trail system that would provide local and regional information anytime during daylight hours and added amphitheaters that could be used by local interest groups. The on-site trail would have information about regional trails and would provide links and/or connections to those trail systems.

LANDSCAPE ARCHITECTURE & ENVIRONMENTAL PLANNING
The Tremonton Neighborhood Park plan addresses a shortfall of public space in a developing area of the city, and provides parking and pedestrian access to an existing trail system. In addition to improved vehicular and pedestrian access, the design includes a children's play area, a restroom facility, information kiosk, picnic area and native garden.

This is a small site that occupies one residential lot in a new development. The design challenge was to fit the park program elements into the plan and provide parking and staging for trail use. The master plan and perspective sketches were enthusiastically received by the city council and will guide the fundraising and detailed design that lies ahead.

The park serves as a trailhead for the Malad River Trail with an informational/educational kiosk. A restroom facility serves both the trail and park users and the play area and picnic space is geared toward the neighborhood residents.
The 9-11 Memorial at the USU Botanical Center honors three victims of the terrorist attack. Two of the victims were from Kaysville, Utah and the third was a USU graduate. The memorial also features the names of 129 U.S. servicemen and women from Utah who have died since the attacks in the ongoing war on terrorism.

After 9-11, USU was approached by a non-profit group, Utah Unites In Hope, with the idea of developing a memorial to honor local victims of the 9-11 attacks. The USU Botanical Center was offered as a suitable location for the memorial.

A tremendous amount of effort was put forward by the non-profit, the Botanical Center, USU Extension, and a local architectural firm to identify a design approach and complete the memorial. UNITY, REMEMBRANCE, and HOPE were identified as themes that guided the design.

The memorial is an oval-shaped plaza of scored, colored concrete, sunken into a westerly slope. The east wall serves as a retaining wall and a backdrop for the bronze plaques bearing the names of the 9-11 victims and the servicemen and women. The memorial is flanked by a curved stone sitting wall and stone benches. In the center is a large bronze statue of a firefighter holding a child, a symbol of hope for the future. Plantings of crabapples and stately Red and Bur surround the memorial.

FEATURES
Outdoor Plaza
Memorial Wall
Statue
Plantings
Circulations
Lighting

OUTCOMES
Increased Awareness
Community Gathering Place
Honor Victims of 9-11
Completed 2013

IMPACTS
Preserve History
Opportunity for Reflection
5,000+ Annual Visitors
Personal Memorial for 132 Families
Don and Janet Wolford Riverside Retreat

RIVERSIDE RETREAT TRUST
LOGAN, UTAH

FEATURES
- Water Feature Memorial
- Frontage on Logan River
- River Overlook
- ADA Access
- Shade Pavilion
- Fire Pit Area
- Outdoor Kitchen
- River Access and Fishing
- Website Design

OUTCOMES
- 2015 Master Plan Approved
- Fundraising/Communication Tool
- Phase One Construction Planned

IMPACTS
- Contractor Hired
- Fall 2015 Construction Begins
- Practical Experience for 4 Students
- Website Designed & Online
- Donations Collected
- 120+ Hours of Studio Learning

The Don and Janet Wolford Riverside Retreat focuses on public access to a ¼ mile stretch of the Logan River. The design provides a range of passive recreational uses, including an observation deck, a shaded pavilion area, an outdoor kitchen, a fire pit plaza and public access to the river’s edge.

A private citizen purchased the property and established a non-profit organization for design and construction. In addition to design and graphics, the students prepared a website for information and fundraising. A landscape contractor has been hired and the start of construction is scheduled for Fall 2015.

The design provides access to the river’s edge and serves as an example of citizen initiated change. The sensitivity to ADA access, the variety of passive use areas and the connection to the river all contribute to a unique public amenity. The design was developed in collaboration with a local landscape contractor who will lead the design development and construction process.

LANDSCAPE ARCHITECTURE & ENVIRONMENTAL PLANNING

EXTENSION
UtahStateUniversity
Communication Tool

USU BOTANICAL CENTER
KAYSVILLE, UTAH

The USU Botanical Center is growing, with added physical facilities and Cooperative Extension programs and events. Effective communication tools are essential to assist in the dissemination of useful information to users. The development of an updated website, electronic newsletter, and various forms of social media help in sharing of useful information and advertising of events.

Providing meaningful information to the public is core to USU Extension's mission. The USU Botanical Center, along with the Ogden Botanical Garden are now organized digitally under Gardening.usu.edu.

Information about the gardens is shared through a range of digital means including a webpage, linking to other Extension web data, an electronic newsletter, and various forms of social media tools (Facebook, Twitter, Instagram).

These tools allow the gardens to promote events, classes, and activities.

They build awareness about the gardens and USU. They engage people in gardening and landscaping topics, and are very helpful in building a sense of community.

LANDSCAPE ARCHITECTURE & ENVIRONMENTAL PLANNING

FEAT URES

Updated Website
Electronic Newsletter
Facebook
Instagram

OUTCOMES

Improved Event Promotion
Increased Awareness
Improved Information Sharing
Promotion of Garden Identity

IMPACTS

6,000 Newsletter Subscribers
25% Newsletter Open Rate
700 Weekly FB Posts
2nd Quarter 2016:
9,500 Unique Web Visit
14,000 Web Visits
45,000 Page Views
Homeowners often think they can’t create a beautiful and colorful landscape without a conventional design that includes a lot of thirsty plants. But that isn’t the case. Utah is home to many varieties of beautiful plants that are adapted to the arid climate. It is just a matter of learning which plants are considered water-wise and how to implement the right irrigation.

To help homeowners reach their water conservation goals, Utah State University Extension has a list of resources that can help when deciding which plants to purchase, how to design your landscape and more.

Click here for more information.

Mobile Apps to help you with your gardening

What is the weed that’s taking over my yard? Which fruit and vegetable varieties do well in Utah? What options are there for controlling coding moth on my fruit trees? These and many other questions about gardening and landscaping in Utah are answered in these free USU Extension mobile apps:

- Common Weeds of the Yard and Garden
- Fruit Pest/Pathogen Facts of Fruit Crops in the Western US
- Growing Vegetables, Fruits & Herbs
- Freeway
- Utah 784P: Temperature Resource and Alerts for Pests

Click here to learn more about our apps.

Dash in the Dark: Fun Run 5k

The Utah State University Botanical Center will host its first ever Dash in the Dark 5k on Friday, October 24. The fun run will take place at the USUBC, 302 South 20 West, Ogden.

Participants will have the opportunity to jog through the USUBC garden trails, around ponds and through the center’s arborium while being chased by infectious zombies. This event is open to all ages 12 years old and above and welcomes those of any athletic ability.

Tickets are on sale now for early registration at $32. Registration will be $15 starting the week of the event. To register, click here.

The first 50 registered runners will receive a free headlamp. The race will begin at 6 p.m. and an award ceremony follows. For those interested in playing zombies, please contact Jayne Muirford at jayne.muirford@usu.edu.
Center for Civic Engagement & Service Learning

UTAH STATE UNIVERSITY
LOGAN, UTAH

FEATURES
One-Acre Site
AmeriCorps Training Facility
Tool Storage & Staging
Solar & Wind Power
Workshop & Storage Buildings
Access & Circulation Issues

OUTCOMES
2015 Master Plan Approved
Fundraising/Communication Tool

IMPACTS
30+ AmeriCorps Workers Served
Phase One Construction Fall 2015
Storm Water Storage
Composted Sewage Treatment
Improved Access, Training, Staging
Experience for 5 Students

The Master Plan improves vehicular and pedestrian circulation, defines storage, staging and training zones for AmeriCorps projects, establishes organic gardening areas for shared use, creates outdoor social space, and delineates areas for solar and wind power generation. The design enhances the efficiency and safety of the site and addresses a diverse collection of program objectives.

Given the number of AmeriCorps workers and other users, the plan is organized around vehicular and pedestrian circulation. The site plan serves a diverse group of users, and demonstrates innovative approaches to power generation, food production, water storage and sewage treatment.

The existing site is on the periphery of campus with the potential for a trail linkage. The design envisions a trail connecting the site to a tunnel running under Route 84. The plan, sections and perspectives sketches are valuable communication tools for fundraising, and set the stage for detailed design and construction. Phase one construction is planned for Fall 2015.

LANDSCAPE ARCHITECTURE
& ENVIRONMENTAL PLANNING
Permaculture Garden
Area set aside for permaculture. Would be a great opportunity to work with the student organic farm.

Parking and Staging Area
Parking holds 16 total stalls, 1 ADA, 10 pull through truck stalls, and 5 back in truck stalls.

Yurt
Yurt will hold meeting and possible other events for the Center for Civic Engagement.

Rain Water Tank
Large rain water catchment tank. It is placed near the permaculture garden so that you will be able to use the tank to water the garden.

Solar Shower
Outdoor solar shower is placed next to the new shed which will provide rain runoff and a place to hold the solar shower tank.

Smoking Area
Smoking area is located at around the same area as where we placed shade trees and a table.

Compost Latrine and Pile
Placed on the far east of the buildings out of the wind will help with any smell and is close to pedestrian traffic for easy use.

Native Education Garden
Provides an educational area to help teach students and the community about water wise native planting.

Dry Climate Garden
This area will show examples of native plantings that you would see within Cache Valley area.

Training Area
There is a large area on the site for all training needs. Would also allow for other uses in off-season.

Solar and Wind Energy
Wind and solar energy are in few different places on site that will help to reduce the cost of utilities and to become a more energy neutral site.

New Shed with Solar Panels
Shed is a new feature on site and will have solar panels on top to help provide more energy on site.

Hazmat Shed
Shed will house the hazmat material you need and is at a safe distance from other buildings. It is located within the parking area to make it more convenient to use.
Central Utah Pioneer Heritage Garden

CENTRAL UTAH HERITAGE FOUNDATION
MANTI, UTAH

FEATURES
- 2.5 Acres
- Opened May 2012
- Amphitheater
- 3 Pioneer History Theme Gardens
- Reflection Pool
- Walkways

OUTCOMES
- Regional Analysis & Site Analysis
- Concept Plan & Consensus Plan
- PowerPoint Presentation

IMPACTS
- Raised $20K for Consulting Fees
- $450K Construction Costs
- Entry Enhanced for 8K Cars/Day
- Pioneer History Information
- 5 Min. Walk for 50K Temple Visitors
- 2 Min. Walk for 4K Cemetery Visitors
- 5 Min. Walk for 120K Pageant Guests

USU Extension provided preliminary planning and design work that established the basis for a consensus plan for the Heritage Gardens project. That concept helped enable funding for construction and final design work. Today beautiful gardens provide a setting for historical information, educational opportunities, art work, group and family gatherings and contemplation.

“This Pioneer Heritage Garden has captured, I think, the essence of what makes these little Utah communities great. It addresses the issues of industry, and cooperation, and education, and especially faith. Anyone stopping here will be prompted to reflect and dig a little bit deeper in his or her own life.”
—Elder Marlin K. Jensen
LDS Church Authority

LANDSCAPE ARCHITECTURE & ENVIRONMENTAL PLANNING

EXTENSION
UtahStateUniversity