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Dante Coal Mining and Railroad Museum

Virginia Tech’s Landscape Architecture Program faculty and students

and

Those who volunteered time for the betterment of their community
VT landscape architecture students discuss design ideas with Professor Emeritus Ben Johnson (right).

The Community Design Assistance Center (CDAC) is an outreach center in the College of Architecture and Urban Studies at Virginia Tech that assists communities, neighborhood groups and non-profit organizations in improving the natural and built environments. Assistance is provided in the areas of landscape architecture, architecture, planning, and interior design. Working with communities, the conceptual planning and design provides communities with a graphic vision of their project that can then be used for grant applications and fundraising for the next steps toward implementation.
Dante, VA: Community Design Charrette

STUDENT CHARRETTE TEAMS

Team 1 (left to right):
Zichen Liu
Alex Jones
Patrick Manijayme
Danielle Sherman

Team 2:
Pu “Melody” Zhao
Kuangyi Zhang
Becca Good
Sean O’Malley
Austin Chase (not pictured)

Team 3:
Kayleigh McKenzie
Megumi Kamiya
Katie Thomas
Lauren Martin
Yankie “BJ” Yuan (not pictured)

Team 4:
Jill Miller
Lydia Vaccare
Jingyi “Jesse” Qiu
Blake Roberts
Amelia Hulshult (not pictured)

Team 5:
Daniel Fawbush
Mike Stelfox
Colin Harlan
Lauren Delbridge (not pictured)
### STUDENT CHARRETTE TEAMS (cont.)

<table>
<thead>
<tr>
<th>Team 6:</th>
<th>Team 7:</th>
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</table>
| Kristen Allen  
Brandon Lathrop  
Miles Rachner  
Graham Kolf (not pictured) | Donna Chang  
Brianne Clarke  
Cen Zhong  
Ian Bydalek |

<table>
<thead>
<tr>
<th>Team 8:</th>
<th>Team 9:</th>
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| Tara Allentuck  
Anastasia Tolstikhin  
Ruozhu “Amber” Xu  
Grayson Blackburn | Elena Alves  
Brandon Cofer  
Wenzhi “Vincent” Ba (not pictured)  
Sam Cohen (not pictured) |

<table>
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<tr>
<th>Team 10:</th>
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</table>
| Patrick Cheek  
Holly Waterman  
Airiel Barrientos  
Luke Morgan | |
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Community Design Charrette

Community Design Assistance Center
College of Architecture and Urban Studies
Virginia Polytechnic Institute and State University
The Virginia Tech Landscape Architecture (LAR) Program held the first Richard G. Gibbons Public Landscapes Planning and Design Vertical Charrette at the beginning of the spring semester 2017. All landscape architecture students from second through fifth year participated in the charrette as part of their required studio and senior project work. This endowed charrette was also supported with an Urban & Community Forestry grant from the Virginia Department of Forestry provided through the Community Design Assistance Center and funding from the town of Dante.

The charrette addressed public landscape issues and opportunities in Dante, Virginia, a historic coal town located in far southwest Virginia. Students and faculty travelled to the historic coal and rail town to meet with Dante and Dickenson County representatives to learn about the town and its rich social, cultural, economic, and environmental heritage as well as its current challenges and opportunities. Student groups were tasked with identifying and investigating options for community revitalization using public open space. After a single week of intensive work, the student groups graphically and orally presented their ideas for Dante’s future.

Representatives from Dante and Russell County and other university members joined the program for an open exhibition and presentation of the teams' work. Each student team gave a short overview of the open space opportunities they addressed. Later, concepts from each of the teams were on display for the entire audience throughout the studio. All were invited to circulate through the exhibition and talk with each of the student groups about their design concepts.

The LAR Program provided posters and digital copies of the students' work for Dante representatives to share at their community meetings as the discuss and plan immediate and long-term actions to improve their public open space for use by Dante residents and visitors.

Virginia Tech landscape architecture students unveiled their teams’ concepts before inviting university faculty, Dante community members, and guests to hear about each team's specific design concepts.
Dante was originally called “Turkeyfoot” due to the confluence of three hollows. Originally settled in the late 1700s and early 1800s by western frontiersmen and farmers, explosive growth occurred in the early 1900s with the discovery and exploitation of numerous bituminous coal seams. Southern industrialist George L. Carter made it the northern terminus of the Clinchfield Railroad and the headquarters of the Clinchfield Coal Company, which began to mine the nearby hollows during the early part of the 20th century. Immigrants from Germany, Hungary, Greece, Poland, and other central European countries flocked to the area. In 1912, Sandy Ridge, which lies immediately to the north of Dante, was punctured by the Sandy Ridge Tunnel and allowed the Clinchfield Railroad to extend all the way to Elkhorn City, Kentucky\(^1\).

During its heyday in the 1950s, Dante had 6,000 residents, a hotel, a rail depot, an auto dealership, and numerous shops. The coal seams surrounding the town were largely exhausted by the mid 1960s and were closed in favor of new mines such as Moss #3 in Duty, Virginia. The last area mines closed in the late 1970s after mining the combined Jawbone and Tiller seams to a height in excess of 30 feet of clean, refinable coal. With the loss of the coal economy, the town began a steep economic decline. Clinfield coal began selling off the houses it rented to miners in the late 1940s. Between 1956 and 1978, the town’s hotel, dress shop, and Store B (a major meeting space) all closed. Pittston, who purchased Clinfield Coal, moved its headquarters to Lebanon, VA in 1972\(^2\). In 2016, however, a renewed interest from its residents prompted community organizations to begin discussions on a path to revitalization. CSX Transportation still operates the Dante Yard and the Clinchfield Coal Company offices are now apartments\(^1\).

Students visited the Dante Coal Mining and Railroad Museum (above), home of an impressive permanent scale model (below) of Dante during the 1940s.

---

2. Shearer, K. 2001. from Memories From Dante: The Life of a Coal Town
Dante, VA, located in Russell County in southwest Virginia (above), is approximately ten minutes north of St. Paul, VA, fifty minutes west of Abingdon, VA, and forty minutes east of Norton and Wise, VA (below).
While Dante’s town limits span seven square miles (above), the design charrette focused primarily where the Saw Mill Hollow, Straight Hollow, and Upper/Lower Bearwallow Roads come together (below) in the community’s core.
The charrette process focused on the downtown region depicted above.
A. Depot building
B. Shared use community open space
C. Post office/ apartment building
D. to Dante Rescue Squad building
E. Dante Coal Mining and Railroad Museum
F. Former steam building
SITE VISIT

The undergraduate students and faculty from the Landscape Architecture Program travelled to Dante, Virginia on Wednesday, January 18th for a full-day of fact-finding and exploration of the town, its open spaces, and community cultural values. Vertical student teams (composed of students from 2nd through 5th year) worked through Wednesday, January 25th to identify potential opportunities for community revitalization and redevelopment ranging from large scale recreational and tourism ties to the county, to community open space master planning, and to smaller site specific improvements. The following pages contain the design concepts each team created along with a brief description.

Students met over lunch with community members before heading out for team tours throughout the community.

Dante community members Josh Sawyers and Jason Guallet (left) showed students their famous 2-mile railroad tunnel (rail line now decommissioned). Rail transportation played a vital role in the town’s once booming coal industry.
Background of Dante, VA:

Dante was established in the late 1700’s to early 1800’s by western frontiersmen. The town’s growth and development boomed in the early 1900’s when several coal seams were discovered. Southern industrialist George L. Carter made it the northern terminus of the Clinchfield Railroad and the headquarters of the Clinchfield Coal Company, which began to mine the nearby hollows (mainly Bear Wallow and Straight Hollow) during the early part of the 20th century. As a result, immigrants from Germany, Hungary, Greece, Poland and other central European countries flocked to the area.

Design Concept:

The concept of this design is to create a historical community to celebrate the heritage of Dante. The interconnected downtown historical open spaces will become the power of vitality for local people and also provide educational potential for visitors to rediscover Dante.

Danielle Sherman, Alexander Jones, Zichen Liu, Patrick Manijayme
The Resurgence of Dante Heritage

Dante Stage Grounds: The Dante Stage provides tourism and possible celebration to invite and hold from concerts to local plays.

Old Cinema Plaza: The footprint of the old movie theater has been kept for the heritage and revitalized to accommodate a central gathering community space. The central fountain anchors the history of the movie theater to give it life, while also giving the town of Dante a place to celebrate.

Depot: Redesigned to hold service events providing cultural food kitchens to serve to tourists and locals of Dante, while neighboring the Downtown Park Space.
LINKAGE

To create continuity within the community of Dante among the disparate elements and hollows, and to create continuity regionally, exploring how Dante is a part of the Southwest Virginia region.

ISSUES TO ADDRESS

- Discontinuity of significant elements of hollows
- Lack of awareness of history of Dante outside of residents
- Lack of pedestrian accessibility
- Little connection (physical or otherwise) to the region and surrounding towns
- No distinct reasons recreationally for visitors to choose to come to Dante or for families and individuals to choose to make Dante their home

OBJECTIVES:

- Explore at a regional scale what linkage can mean for the town of Dante in the SWVA region, and what possibilities exist for Dante to connect to the region.
- Propose ways to highlight historical or other landmark areas in Dante’s various hollows and segments as spaces to be used by and to educate the community and visitors on Dante’s history.
- Propose pedestrian-friendly streetscape in key areas of Dante to connect the hollows.
- Propose a recreational program for Dante with activities that can equip Dante as a part of a larger “recreational hub” of the region.
At present there is a disconnection in Dante due to the lack of sidewalks linking each of the different hollows. Residents and visitors are forced to walk on the main roads to access the majority of the town which poses a question of safety.

After a significant amount of rain, the existing storm drains struggle to cope with controlling the levels of water and are prone to overflowing.

Proposed

Introduce new sidewalk system with links reconnecting the community and creating a more accessible and pedestrian friendly town.

Expand the existing drainage system and introduce water tolerant plants to help absorb the excess rainwater.

Recreation and Linkage Plan

There are many pockets and hollows and segments of the town of Dante, all distinct in character and function, ranging from the Gateway point entering the town to the town’s core to the historically African American hollow. Within these there are historical or other significant landmarks such as the Depot, the African American school and ball field, the steps of Roanoke Hill, the coal company president’s house, a view toward Kentucky, and the fire tower at a county line.

We propose that by highlighting or restoring the use of some of the historical or landmarks, a continuous rhythm will be created from the town to the hollow something that can be explored as a historical trail used by local schools and educational programs. Benefits can be added as they are restored and repurposed over the course of the next few years or decades.

HISTORIC ROANOKE HILL STEPS AS A RENEWED/HIGHLIGHTED LANDMARK

The brick steps of Roanoke Hill can be restored and maintained as the start of a walking path trailhead for the use of Roanoke Hill once again as a lookout point for community and visitors to overlook the core of the town. It can be a point within the system of landmarks for visitor’s to learn about the history of the coal company and the location of the company president’s house.

Proposed

School as a Renewed/Highlighted Landmark

The African American school has great opportunity for becoming a community space (assuming funds are acquired for asbestos removal). The structure of the school can be used, opening up half of the school (streamside portion) into an outdoor planted courtyard and seating area, and the hillside portion can be restored for use of individual classrooms as studio or office or coworking space in the following years.

Fire Tower as a Renewed/Highlighted Landmark

The fire tower is located just past the junction of the road with an overlook into Kentucky and the tower itself is located as a point representing the county line between Dickenson and Russell Counties.

A suggestion was made for a visitor’s center to be located at the fire tower site, and one step in that direction is to create one or two accessible platforms for a lookout as an addition to the fire tower, something done in other areas of Virginia such as the High Knob Fire Tower Lookout.

Proposed

Introduce new sidewalk system with links reconnecting the community and creating a more accessible and pedestrian friendly town.

Expand the existing drainage system and introduce water tolerant plants to help absorb the excess rainwater.

Potential Rail to Trail Project Linking to Saint Paul

There are many pockets and hollows and segments of the town of Dante, all distinct in character and function, ranging from the Gateway point entering the town to the town’s core to the historically African American hollow. Within these there are historical or other significant landmarks such as the Depot, the African American school and ball field, the steps of Roanoke Hill, the coal company president’s house, a view toward Kentucky, and the fire tower at a county line.

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Proposed

Introduce new sidewalk system with links reconnecting the community and creating a more accessible and pedestrian friendly town.

Expand the existing drainage system and introduce water tolerant plants to help absorb the excess rainwater.
THE REBIRTH OF DANTE: A SEED OF HOPE IN SOILS RICH WITH HISTORY...

**REGNATIONAL CONTEXT**

- Dante Virginia is situated along the already existing Coal Heritage trail, making it a prime opportunity to make it a desirable destination along the way.
- It is also situated not too far away from the Crooked Road, a bluegrass music trail, making another good opportunity to bring people in and participate in the music culture.
- In 1968, significant research has been done by Appalachian Wildlife Foundation exploring the idea of reforesting & remediating areas affected by surface mining with orchards and vineyards.

**Dante Orchards**

- **Silent Memorials**: 01/24/2017
- **Kayleigh McKenzie**, **Katie Thomas**, **Yanjie Yuan**, Drawing No. 1
- **Megumi Kamiya**, **Lauren Martin**

**PRINCIPLES**

- Increase regional presence & create opportunities for tourism
- Improve health & lifestyle of residents
- Plant trees to provide habitat for wildlife
- Celebrate history of Dante
- Increase regional presence & create opportunities for tourism
- Improve health & lifestyle of residents
- Plant trees to provide habitat for wildlife
- Celebrate history of Dante

**SUMMER**

*While waiting for next year’s apples, these orchards that dot most of Dante would give way for a whole season of white and pink flowers to enjoy.*

**FALL**

*Being the perfect season for apple picking, this could form future traditions for community building as well as family gatherings friendly to all ages.*

**WINTER**

*After collecting the season’s produce, opportunities to creatively use the apples abound, such as canning, making jams and butters, etc., as a community effort.*

**SPRING**

*Though Dante no longer thrives off the abundance of coal, we have proposed a way to create a new sense of vitality and economic production through the presence of Apple Orchards on different Historical sites.*

**CAN THE SOIL SUPPORT ORCHARDS?**

- Orchards prefer slightly acidic sandy loams or sandy clay soils that are well drained with a high presence of organic matter.
- Apple orchards on mountain sites can flourish due to long hours of good quality sunlight and good drainage on the slopes.

**GROWING CONDITIONS**

- Successful (both economically & ecologically) peach, pear & apple orchards have helped to reclaim and repurpose soils on mine spoils on Eastern Interior Coal Province sites.

**WHAT STEPS ARE NEEDED TO PLANT AN ORCHARD?**

1. Create a suitable rooting medium for good tree growth that is no less than four feet deep and comprised of topsoil, weathered sandstone, and/or the best available material.
2. Loosely grade the topsoil or topsoil substitutes established in step one to create a non-compacted growth medium.
3. Use ground covers that are compatible with growing trees.
4. Plant two types of trees: (a) early succession species for wildlife and soil stability and (b) commercially valuable crop trees
5. Use proper tree planting techniques

**THE VISION WE HAVE FOR DANTE ENCOURAGES THE POTENTIAL FOR GROWTH AND REVAL AS WELL AS CELEBRATES THE RICH HISTORY THAT GIVES THE TOWN ITS CULTURE AND MEMORIES.**

**Dante, VA: Community Design Charrette**

- **Dante, Va**: 01/24/2017
- **Kayleigh McKenzie**, **Katie Thomas**, **Yanjie Yuan**, Drawing No. 1
- **Megumi Kamiya**, **Lauren Martin**

**FRA**

*FRA is a means by which mining companies and forest managers can improve forest productivity, wildlife habitat, floral diversity, and water management on reclaimed mine lands. The FRA is made up of five steps:*
THE MANY ORCHARDS OF DANTE...

THE BASEBALL FIELD ORCHARD...
As one takes a bite into a crunchy, sweet apple, they may envision the crunch of a bat hitting the ball out of the park; a sweet, sweet victory.

The Baseball Field Orchard...

Silent Memorials
Apple trees serve as silent memorials, growing from the same earth that once gave Dante its rich coal industry and history.

Orchard at the mines...

DOWNTOWN ORCHARD
As a cool breeze wafts the smell of apple blossoms through downtown Dante, children are laughing and playing, and one is reminded of a busy summer day in Dante many years ago...

Downtown Orchard

The many Orchards of Dante...

Team 3
Dante, VA: Community Design Charrette

Kayleigh McKenzie
Megumi Kamiya

Katie Thomas
Lauren Martin

Yanjie Yuan

Dante Orchards
Silent Memorials
Dante, Va
01/24/2017

Drawing No.
2
Analysis

Focus site
Church
Greenspace
Public building
historic landmark
public bldg
site
historic structure
structure
utility
utility
Legend:
Wheelbar
pedestrian
railroad
separation
lighting
bike racks
The Depot Yard in Dante, VA, has the potential to become an economic driver for the town; by both providing space for the community and attracting tourists. This central location acts as a town hub for activity - whether baseball, the daily mail, or weekend events. By increasing walkability and maintaining flexible use, the Depot Yard can host a variety of programs. Phase II, which includes the Steam House and Museum, incorporates an education and tourism center, connects to the central yard recreation space.

The future of the Depot Yard, however, must be both economically and functionally appropriate for the small town of Dante. Low maintenance landscapes and a compacted-based design allows for sequential development. The proximity of the active railroad and roads should be managed cautiously.

Concept

Design concept for Dante:

The Depot Yard in Dante, VA, has the potential to become an economic driver for the town; by both providing space for the community and attracting tourists. This central location acts as a town hub for activity - whether baseball, the daily mail, or weekend events. By increasing walkability and maintaining flexible use, the Depot Yard can host a variety of programs. Phase II, which includes the Steam House and Museum, incorporates an education and tourism center, connects to the central yard recreation space.

The future of the Depot Yard, however, must be both economically and functionally appropriate for the small town of Dante. Low maintenance landscapes and a compacted-based design allows for sequential development. The proximity of the active railroad and roads should be managed cautiously.

Goals & Objectives

Introduction:
Dante, Virginia, is a place of family memories and small town living. The center of the community, although once a bustling place, lacks the habitual activity it once had. Dante needs a common place of passing in order to restore town connectedness. And with this reconnection, the community will grow closer on their stories and live long, healthy lives.

Focus:
Establish a community meeting place in the heart of Dante by restoring the Depot Yard, where town pride will be rekindled and where visitors will experience the town's heritage. The town's front yard.

Goals:
1. Improve the community recreation and outdoor space at the Depot Yard by adding a walking loop around the existing lawn, developing recreation space, constructing a shade structure adjacent to the basketball court, and establishing gardens and picnic areas.
   - Pergola structure next to basketball court with porch swings.
   - Asphalt walking loop around Depot Lawn, buffered by train tracks and parking lot by low fence and plantings.
   - Trees and garden space around the boundaries of the yard and structures benches and tables throughout.
   - Converted steam plant becomes a trail head for mine trails and visitors.
   - Pole and pulley system on north end of Depot Yard to raise a canvas screen during film events.
   - Stage extension off the Depot that overlooks the Depot Lawn; hosts bluegrass performances or local shows, and is used as an extension of the Community Room.
   - Overhead lighting in the Depot Yard allows longer hours of use and increased safety.

2. Provide flexible spaces for Dante traditions, regional events, and day-to-day activities for residents; these spaces include: a large stage for public performances, multi-use community room, lawn for large events, and rehabilitation of existing buildings.
   - Stage extension off the Depot that overlooks the Depot Lawn; hosts bluegrass performances or local shows, and is used as an extension of the Community Room.
   - Pole and pulley system on north end of Depot Yard to raise a canvas screen during film events.
   - Large lawn with removable barriers to allow vehicular access and space for festivities.
   - Preservation of basketball court for recreation and other events.
   - Informal parking between the Lawn and the Post Office building, also space for a future bus stop.

3. Restore the Train Depot as the anchor of Dante by creating public restrooms, water fountain, welcome center, small concession stand, and community room. Implement improvements ensuring accessibility to all.
   - Welcome plaza on Depot's south facade with wayfinding signage, town map, and seating.
   - Restroom and water fountain for visitors, community room users, and recreation users.
   - Small concession stand with kitchen space: could be used publicly only during events, or eventually as a commercial establishment.
   - Community Room, located in the north section of the Train Depot, contains tables and chairs and has public internet capability. A ramp leads up to the elevated floor.

Dante Today:

A - Post Office Building
Currently, the building holds the town post office and apartments; however, empty storefront could house a general store or deli. A bike rack, placed out front with some seating spaces for tired walkers, invites visitors inside to rest and grab a snack from their trip.

B - Stage
The Stage currently holds small concerts. In the future, the structure can host local and regional events; further expanding into the open place that surrounds it. Dante's link to the Crooked Road and the Coal Heritage Trail makes the town a prime location for festivals and events.

C - Train Depot
The Depot, after restoration, has the potential to become a community gathering point. As an anchor to the lawn, it could provide opportunities for public programming. In addition, a renovated space could act as a technology center for residents telecommuting.

D - Basketball Court
The Basketball Court is a space loved by the children of Dante and despite its unique form, is heavily utilized. The foundations that comprise the base of the court continue to memorialize Dante's vibrant age.
DOWN TO THE Depot

THE DEPOT YARD STRESSES NOT TO CHANGE DANTE, Nor DO W ILL, IN THE PAST. INSTEAD, THE DEPOT YARD RETELLS THE STORY OF THE TOWN AS ONE THAT CONTINUES - ONE THAT STRENGTHENS WITH TIME - AND ONE THAT FOCUSES ON THE NEEDS OF A SMALL COAL TOWN.


WALKING LOOP AND LAWN

A continuous walking loop surrounds the lawn between the Depot and the pergolas. The lawn provides a recreation space for families, children, and their pets. It can host organized games and events. The loop is planted with colorful annuals and perennials. The loop also connects to the rear and front streets, providing easy access to the Depot and the Pony Trail.

BOLLARDS:

These structures, composed of concrete and wood, create separation between the roadway, parking, and lawn. The wood posts, which act as seating and delineate parking spaces, are planted with colorful annuals, making them a functional and aesthetic addition.

YARD SECTION: (Above)

Section spans from the railroad tracks to the existing Post Office. The spacious lawn hosts picnicking, dog walking, jogging, and other leisurely activities.

RESTORED DEPOT:

The Depot represents the great history of Dante, Virginia, and is the first structure seen when entering the town. By converting the Depot to a community center - with a kitchen, restrooms, event space, and an internet hookup - it becomes the functional heart of the town again!

Public restrooms, located in the south side of the Depot, are connected to the welcome plaza where guests find a town map, brochures, and a place to relax. The middle section of the building contains a kitchen space that initially would be public, but could later become a private store or deli. A ramp allows for ADA access to the upper community room.

An extension of a deck on the north face serves as a stage, an outdoor gathering space, or eating area. During warm seasons, concert-goers spread across the lawn, on chairs and blankets.

Gardens surrounding the Depot are maintained by the community. Picnic tables and benches could be made locally by citizens.

DEPOT COMMUNITY CENTER

PHASE II - VISITOR CENTER

A wooden pergola provides shade and swing seating for basketball players, spectators, and visitors. The court, utilizing the foundation of the old theatre, continues to provide entertainment for local children.

YARD SECTION: (Above)

Section spans from the railroad tracks to the existing Post Office. The spacious lawn hosts picnicking, dog walking, jogging, and other leisurely activities.

BASKETBALL COURT & PERGOLA: (Below)

A wooden pergola provides shade and swing seating for basketball players, spectators, and visitors. The court, utilizing the foundation of the old theatre, continues to provide entertainment for local children.

BASKETBALL COURT & PERGOLA: (Below)

A wooden pergola provides shade and swing seating for basketball players, spectators, and visitors. The court, utilizing the foundation of the old theatre, continues to provide entertainment for local children.

DEPOT COMMUNITY CENTER

DEPOT COMMUNITY CENTER

PHASE II - VISITOR CENTER

A wooden pergola provides shade and swing seating for basketball players, spectators, and visitors. The court, utilizing the foundation of the old theatre, continues to provide entertainment for local children.
The Town of Dante has a vast and rich history of commerce and industry, but there is no way to express this to the residents. The proposed signage plan calls for a large entrance sign to welcome residents and visitors into town. Dante will be a destination for people of all ages and interests to enjoy the rich history and culture of the town.

The baseball field will get a special plaque in remembrance of those that died building the Dante Reservoir Dam. It will also express the importance that the Dante Dam team was to the community.

The depot area is one of the most lacking areas in town. What used to be a bustling town center for 6,000, now only holds a post office. The overall plan is to make the town center into a place for social use as well as events. The playground grant would be put to use here, and the basketball court would be refurbished to provide a downtown hub for children and parents. The depot area will be set up to accommodate town gatherings and rural fairs. A field house will eventually be built on the depot to house the baseball team and visitors.

Expansions to the regional ATV trail system is to include a trail head in Dante. This will provide a way for visitors into Dante as part of their trip. The eventual creation of a town store in the currently abandoned depot will make Dante into a worthwhile stop along the ATV trail, and help bring home and attention to Dante and its culture and history.

COlum Harlan • Daniel Fawush • Lauren Delbridge • Michael Stelfox
• Build Playground and refurbish existing Basketball Court
• Promote Stage for concerts and community events
• Provide lawn and event space in downtown
• Provide pedestrian paths to site of General Store to relate to former mining equipment and rail cars visible next to Depot

Potential Sign/Memorial plaque locations
• Coal Tipple  
• Stairway to Heaven  
• Steam Building  
• Executive Houses  
• Dante Hotel  
• Dante Movie Theatre  
• Mine Entrances  

• Add Trailheads in Dante to promote tourism and commerce in town
• Trail foundations built from trailings and gob piles by community or Gobco
• Future system of hiking, biking, and horseback trails to expand tourism
• Waypoints at nature overlooks and historical locations

Dante, VA: Community Design Charrette
THE TOWN OF DANTE

PROBLEMS:
- Disconnected Hollows
- Lack of pedestrian friendly outdoor spaces
- Stormwater Management issues
- Disconnect from nearby towns like St. Paul
- Dilapidated buildings and neglected infrastructure

VISION:
- Revitalization and beautification of the downtown area in a cost efficient manner
- Promoting and facilitating the growth revenue generating infrastructure through design
- Preservation of small town values
- Increased linkage of the hollows and connections to the town of St. Paul and other nearby towns
- A reconceptualized entryway to the town
- Repurposing dilapidated buildings to both enhance downtown aesthetic and contribute as functional assets to the community
- Take advantage of natural topography and views to enhance the value of the town

POTENTIAL CONSTRAINTS
- Existing infrastructure
- Creek
- Spatial restrictions due to the railway and road
- Budget and manpower issues

FOCUS AREAS
- Replanting of choked out grass areas and addition of green space where possible
- Reduction and or optimization of unused impervious surface, such as portions of the neglected asphalt parking lot
- Maintenance of the building pad currently being used as the basketball court, and repaving its surface to function as a multi functional gathering space capable of hosting events, as well as continuing to serve as a recreational space for youth activities
- Repurposing of the depot as a mixed use restaurant or store with an adjoined outdoor deck space overlooking the revitalized park

By taking advantage of preexisting trails that are cultural remnants of historic Dante, there is plenty of opportunity for recreational use, such as hiking, ATV riding, horseback riding, and with the addition of further trails it is possible to link downtown Dante with the surrounding landscapes and neighboring towns. Taking advantage of the natural views that the various ridges provide will provide a scenic vista that is unique to the region.
DESIGN STRATEGIES

Excessive runoff and erosion can be reduced by utilizing a “rain garden”. The garden serves functionally to capture runoff and improve water quality before it reenters the water table, as well as beautifying outdoor spaces with vegetation. In this case, the rain garden serves additionally as a boundary threshold between the road and the outdoor park.

The Depot can potentially be repurposed and remodeled as a new food attraction with outdoor deck space extending into the park. A food or ice cream truck would be a beneficial supplement to this space, creating an additional incentive to make a trip from a separate hollow.

The addition of a playground to the central park will add an attraction to the central district of Dante, drawing children and supervising adults alike to the space. The greenspace not being utilized for playground surface can serve as a multifunctional space in conjunction with a resurfaced neighboring basketball hardscape to host events, or simply lend itself toward various casual recreational activities. With relatively little level landscape within close proximity to the heart of Dante, this space is invaluable as well as versatile.

The stage can serve a variety of purposes, such as being a place to post information about going-on in the community, or hosting a small local concert that could potentially draw a respectable crowd of locals and visitors alike. Moveable seating and or pop-up tents can be placed around this area during events.
Existing Constraints
Lack of refined public social space
Lack of connectivity and wayfinding
Lack of industry for economic development
Limit of space between the valley

Opportunities & Values
Beautiful landscape & Views from Hill
Rich Heritage, Culture & History
Bio-diversity/Ecological Environment

Solutions
Define town center public space
Connect places of interest with wayfinding
Themed trails, touring historical sites & heritage village
Marketing based on town characters, festivals & events

PHASE I Focus - Town Center Plan Conceptual Design

Goals:
• To strengthen the sense of community within the Town of Dante by developing their public gathering spaces.
• To attract investment to the town by connecting it to the Spearhead trail system.

Objectives:
• Creating public space to engage the members of community by redefining fundamental infrastructure space
• Community Identity
• Explore Natural resources and Heritage History for Tourism

STRATEGIC PLAN

Goals:

Objectives:

PHASE I CORE

Establish Fundamental Infrastructure

PHASE II BRANCHES

Connect the town to St. Paul and the surrounding landscape

PHASE III

Developing more tourism and economic interests

Proposed Visitor Center
- Information Center
- Maps
- Restrooms
- Touring Shuttle Bus

Dante Coal Miners & Railroad Museum

Proposed Playground
Parents and people can watch kids playing nearby trees/under tree canopy.

Proposed Antique Store
(in phase III)

Proposed Deli
- Local Special Food
- Outdoor tables and seatings with tree canopies
- Restrooms

Proposed Playground
Parents and people can watch kids playing nearby trees/under tree canopy.

Proposed Antique Store
(in phase III)

Recondition the existing Basketball Court

Proposed Playgroun
Parents and people can watch kids playing nearby trees/under tree canopy.

Proposed Deli
- Local Special Food
- Outdoor tables and seatings with tree canopies
- Restrooms

Proposed Playground
Parents and people can watch kids playing nearby trees/under tree canopy.

Proposed Antique Store
(in phase III)

Sketch of the center performing stage

SECTION A - A''

Section A - A''

Detail section of playground and basketball

Detail section of the Depot

Proposed Visitor Center
- Information Center
- Maps
- Restrooms
- Touring Shuttle Bus

Dante Coal Miners & Railroad Museum

Proposed Playground
Parents and people can watch kids playing nearby trees/under tree canopy.

Proposed Antique Store
(in phase III)

Proposed Deli
- Local Special Food
- Outdoor tables and seatings with tree canopies
- Restrooms

Proposed Playground
Parents and people can watch kids playing nearby trees/under tree canopy.

Proposed Antique Store
(in phase III)

Recondition the existing Basketball Court

Proposed Playground
Parents and people can watch kids playing nearby trees/under tree canopy.

Proposed Antique Store
(in phase III)

Detail section of the Depot

Dante, VA: Community Design Charrette, Team 7
**PHASE II Reach-out Bridges - Trail System**

**FOCUS - Ball Field - Recreational Event Space & Trailhead**

The process of phase 2 is to connect the newly developed town of Dante with St. Paul through the existing Spearhead Mountain View trail. These connections will provide the much needed traffic into Dante and foster the potential for economic and infrastructure development, all while visitors are enjoying their time on the trails in the beautiful Appalachian landscape. There are many possible locations around Dante to connect to the trails: at the end of each hollow, at the baseball field area, and from the town center among others. The trail could also lead to various viewpoints such as the old fire tower, and provide history and information. The best place for the main trailhead could be the baseball field area, as there is ample room for parking, the old school could be reused as a trail information and bathroom center, and the increased traffic could increase the use of the baseball field. Phase 2 is an important step in reconnecting Dante, but it is not the last. Once the town is connected through the trails, it needs to be able to support the people who visit and stay.

**Phase 2 Includes a slight redesign of the baseball field area.**
- The baseball field and pavilion will stay as is.
- The old school building could either be gutted and reused as an information center with restrooms for the trail extension; or it could be left with construction frameworks as a structural shelter for various events, activities, outdoor classroom space, and etc.
- Part of the the existing playground area would be converted to parking lot, paved, gravel, or otherwise.
- The large black arrow will be the direction in which the trail head will be oriented and will flow out into the landscape.

**PHASE III - Future economic development and Tourist Strategies**

The process of phase 3 is to bring outside interest into Dante by way of economic development. A list of ideas are listed:

- Coal mine tours with shuttle bus from the proposed visitor center
- Bear Hollow Exhibition Mine with cleaned lighted tunnel and tunnel cars.
- Further beautification such as murals for community identity.
- More tourist investment such as “Ridge Runner”, an example from Bluefield, WV
- Add an annex building to the museum to show more heritage history
- Restore old day living houses and living scens for tours

**Signage & Wayfinding Ideas**

- *Clear pathways or define sidewalks along road or creeks that extending from the town center for aesthetic views*

*View from walking on the trail up to the Historic coal mine site*

*Dante, VA: Community Design Charrette*
Goal: To create a cohesive greenspace plan that attracts people to Dante while still being an asset to those who live there.

Circulation Master plan

Objectives:
- Create system of green spaces and hiking trails connecting the downtown area with significant landmarks
- Establish Dante as a more pedestrian friendly town
- Provide access to historic areas
- Utilize existing railroad infrastructure as a framework for trails

Section
This section shows the relationship between the hiking trail and the pedestrian sidewalk. The trail goes through the woods along the train tracks and passes by the historic hidden church. It offers a great view of the residential hollow below.
**Goal:** Create a cohesive greenspace plan that attracts people to the town while still being an asset to those who live there.

**Objectives:**
- Create a space suitable to festivals and visitors.
- Create a restorative landscape for those who work from home.
- Connect the museum to the central greenspace.

**Case Study:**
Dante, Virginia
- Population: 802
- Primarily tourist economy
- Intersection of the Appalachian and Va Creeper Trails
- "Trail Town USA"
- Fully embraces and utilizes surrounding naturally resources
- Highly walkable
- Centralized park space similar to Dante's
- Community engagement, festivals, and events draw in tourists from around the country and world.
- "Appalachian Trail Days" attendance: 20,000-30,000 yearly
GROWING A COMMUNITY
IN DANTE VIRGINIA

MAIN OBJECTIVES:

- Providing an opportunity for the community to work together to successfully enhance the living conditions of Dante will instill a sense of pride within the residents. Community engagement builds relationships, fosters a sense of belonging in participants, and provides educational opportunities to learn new skills.

- Upcycling, recycling, and composting all save money and reduce energy use necessary for producing raw materials. Introducing these systems to Dante will help the community find new life in what surrounds them and encourage community clean-up efforts. Educating and providing the community with these simple systems will provoke further responsibility for the aesthetics of the community.

- Increasing access to healthy foods ensures all residents are food secure, and reduces the resources, such as money and energy, required to travel longer distances to find healthy foods. Tending to a community garden helps contribute to an active lifestyle and reduce risks of diseases, such as obesity. Gardening has many environmental benefits, such as increasing biodiversity in the area and improving air quality. Community gardens help educate participants on how to improve dietary habits and create a healthier relationship between people and food.

- Community garden programs provide employment, education, and entrepreneurship opportunities for those who participate within the community. A community garden, once established, can provide opportunities for selling fresh produce at local markets, and can encourage out-of-towners to visit the town of Dante.

COMMUNITY GARDEN CONCEPT PLAN:

1. Open Air Pavilion
2. Outdoor Seating Area
3. Compost/Recycling/Storage Containers
4. Repurposed Wood Planting Beds
5. Dante Mural Wall
6. Improved Seating for Basketball Court
GROWING A COMMUNITY IN DANTE VIRGINIA

Our community garden design provides a simple and affordable solution to a lack of amenity and community space in Dante. This design encourages all to get involved and take pride in their town. A main source of materials for this project can be found locally around Dante, such as repurposed wood from dilapidated housing.

SIMPLE HOW TO’S:

BUILDING A PLANTING BED OUT OF REPURPOSED WOOD

STEP 1: MEASURE, MARK, AND CUT WOOD BOARDS FOR WALLS AND POSTS.

STEP 2: DRILL PILOT HOLES AND CONNECT ALL SIDES WITH SCREWS. USE SAME TECHNIQUE TO ATTACH POSTS TO THE INSIDE OF THE FRAME.

STEP 3: STAPLE WIDE MESH HARDWARE CLOTH TO THE BOTTOM OF THE FRAME. THIS WILL KEEP WEEDS OUT WHILE ALLOWING WORMS IN.

STEP 4: LOOSEN DIRT AND REMOVE GRASS WHERE BEDS WILL BE PLACED.

STEP 5: IF WOOD IS NOT ROT RESISTANT, COVER INSIDE FACE WITH HEAVY-DUTY PLASTIC.

STEP 6: FILL BED WITH SOIL AND COMPOST AND BEGIN PLANTING.

BUILDING A FUTURE:

Repurposing wood and the upcycling of any usable material is a very beneficial practice. It not only helps to recycle otherwise unusable materials, but it helps clean up unsightly areas throughout the neighborhood. By reclaiming materials from abandon and structurally unstable buildings, the restored materials can be used to fix buildings in need of repair or upkeep, or used to make furniture/wood products of any type. The design provides storage sheds for collected materials, encouraging community members to do their part in cleaning up. Reclaiming building materials to be reused or turned into something new can lead to a new industry over time. Creating well-crafted items using local resources can bring in an alternative revenue and give new purpose to the town of Dante.

THE PROCESS:

STEP 1: LOCATE AND COLLECT THE WOOD.

STEP 2: PULL NAILS FROM THE WOOD.

STEP 3: SAND THE WOOD OR PLANE DOWN DEPENDING ON USE.

STEP 4: CUT THE WOOD IF NEEDED.

STEP 5: ASSEMBLE THE WOOD INTO WHATEVER IT IS BEING REPURPOSED AS.

STEP 6: STAIN THE WOOD IF DESIRED.

STEP 7: USE THE WOOD FOR THE USE IT WAS MADE FOR.
Reshaping Railroad Heritage to Restore a Coal Community

Issues Addressed
- General Aesthetics
- Lack of youth activities
- Lack of local businesses
- Underutilization of local assets (depot, creek, rail)

Opportunities
- Creek
- Greenspace
- Buildings (depot, steam building and store frontage)
- Railroad
- History/heritage
- Willingness of townpeople to contribute/volunteer

Phase 1 (2 Years)
- Beautification
  - Volunteer clean up
  - Weeding, planting, trash, mow
  - Addition of playground and train stage
  - Fix basketball court
  - Start moving parking behind apartments
  - Clean and create clear boundaries between roads and grass.

Phase 2 (5 Years)
- Depot revitalization/ pavilion remodeling
- 1 traincar food area
- Installation of seating areas, picnic etc.
- New parking
- Repave roads (Primary and secondary)
- Walking trail
- Daylight stream

Phase 3 (10 Years)
- General landscaping
- Pavers installation for seating areas outside buildings
- Add stores/ remodel old store fronts
- Bring in local art
- Final Beautification
- Possibly add traincars
- Begin investigating for new local attractions

Dante Community Revitalization
Steam building
- General beautification of outdoors
- Facade refurbishing
- Grass seating and nature rehabilitation

Remodeled Storefront
- Creating enjoyable walkable spaces
- Opening up small stores for townspeople

Remodeled depot building
- Partial covered pavilion
- Bathroom and info center indoors
- Outdoor seating and picnic area
- Parking for remodeled traincar (potential food venue)

Main downtown building
- Daylight portion of the creek
- Introductory beautification of vegetation
- Additional parallel parking
- Awning and outdoor seating with views of creek and greenspace

The Potential for Dante
Rebirth of a music town
- Potential to become a premier destination on the bluegrass festival tour
- Give prominence to the town of Dante and generate town funds
- Attract all generations and further the town's sense of community

A festival venue
- Versatile spaces can be used for festivals while providing everyday use as well
- Potential for seasonal attraction

Dante Community Revitalization