designing in public
“charrette” process
“charrette” process
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“charrette” process
“charrette” process
“charrette” process
“charrette” process
“charrette” process
Analysis: building footprints
Analysis: current zoning
Analysis: current uses
Analysis: topography
Analysis: future land use
what we heard
guiding principles

• integrate the built and natural environments
• support multi-modal transit
• concentrate clean tech industry
guiding principles

• integrate the built and natural environment
  ✓ Appropriate transitions between uses and densities
  ✓ Floodplains as green corridor
  ✓ Gateway sentinels
  ✓ Protected viewsheds

• support multi-modal transit

• concentrate clean tech industry
guiding principles

• integrate the built and natural environment

• support multi-modal transit
  ✓ Trail network
  ✓ Connected neighborhoods
  ✓ Light rail
  ✓ Transit shed

• concentrate clean tech industry
guiding principles

• integrate the built and natural environment
• support multi-modal transit
• concentrate clean tech industries
  ✓ Arkansas Research and Technology Park
  ✓ Southern entrance announces “Green Valley”
integrate the built and natural environment
the transect
18th street
raised rowhouses
2b. RESIDENTIAL LOW-IMPACT DEVELOPMENT
RESIDENTIAL NEIGHBORHOOD

[Diagram showing residential development layout with specifications for slopes, roadways, sidewalks, and swales.]
Analysis: topography
<table>
<thead>
<tr>
<th>Public Greenspace</th>
<th>Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical Gardens at Lake Fayetteville</td>
<td>98.6</td>
</tr>
<tr>
<td>Walker Park</td>
<td>64.3</td>
</tr>
<tr>
<td>Gulley Park</td>
<td>26.8</td>
</tr>
<tr>
<td>Existing public greenspace in Fayette Junction</td>
<td>32.8</td>
</tr>
<tr>
<td>Wilson Park</td>
<td>22.8</td>
</tr>
</tbody>
</table>
floodplain preserved = over 100 additional acres
southern entry
support multimodal transit
Should development in this area expand, I’d like to see streets

A) that are designed to accommodate mostly vehicular travel.  
   0%

B) that are designed to accommodate multi-modal transportation.  
   100%
Should development in this area expand, I’d like to see intersections

A) that are designed for automobile traffic. 0%

B) that are designed for automobile and pedestrian traffic. 100%
ABLE #1

- A CONNECTED SYSTEM OF SIDEWALKS & TRAILS
- MORE NEIGHBORHOOD COMMERCIAL
- MORE PARK SPACE
- MORE STREET CONNECTIVITY
use floodplain for trail corridor
options for residential
the legacy
- Connectivity with Trails & Sidewalks & Bike lanes.
- Additional neighborhood parks.
- Transit oriented development.
- Expand clean technology areas.
- Improved drainage & community gardens.

What does this site look like in 20?
Who lives here? What are they?
What is housing like? How do we?
Light rail consumes fuel at one-third the rate of a car and one-fourth that of an SUV per passenger mile.

At capacity, rail carries the same number of passengers as a 16-lane highway and costs 80% less.

Average home values increase $140 for every 10 feet closer they are to a transit station beginning at 1,460 feet.

-UA Community Design Center
multi-modal transit shed: \(\frac{1}{2}\) -mile radius

Community Design Center, UA (2007)
Should development in this area expand, I’d like to see recreational space

A) that is integrated into development.  
   91%

B) that is separate from development.  
   9%
Fayette Junction terminal
concentrate clean tech industries
PROPOSAL D: ARTP ASSEMBLY COMPLEX AND RETREAT FACILITY

Aerial Perspective Looking Southeast

UACDC

Arkansas Research and Technology Park
Fayetteville, Arkansas
March 1, 2002
- Razorback Rd.
  - Entrance Feature
  - Boulevard
  - Pedestrian
  - Round-a-bout at 15th St.

- Trails & Sidewalks & Bike Lanes (alternative transportation)
  - Connectivity
  - Natural and Improved

- High Tech Research Jobs

- CONNECTED STREET GRID

- Genesis - make an obvious 1/2 price

- LID - streets, drainage, green

- More Commercial/Mixed
next steps
Leadership in Energy & Environmental Design (LEED)

1. Site Location
2. Energy
3. Water Efficiency
4. Materials
5. Indoor Air Quality
6. Innovation & Design
• Vegetated Roof
• a.k.a. Green Roof

• Rainwater Collection and Filtration
• Urban Heat Island
• Improved Insulation
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thank you!

Please turn in your survey before you leave.