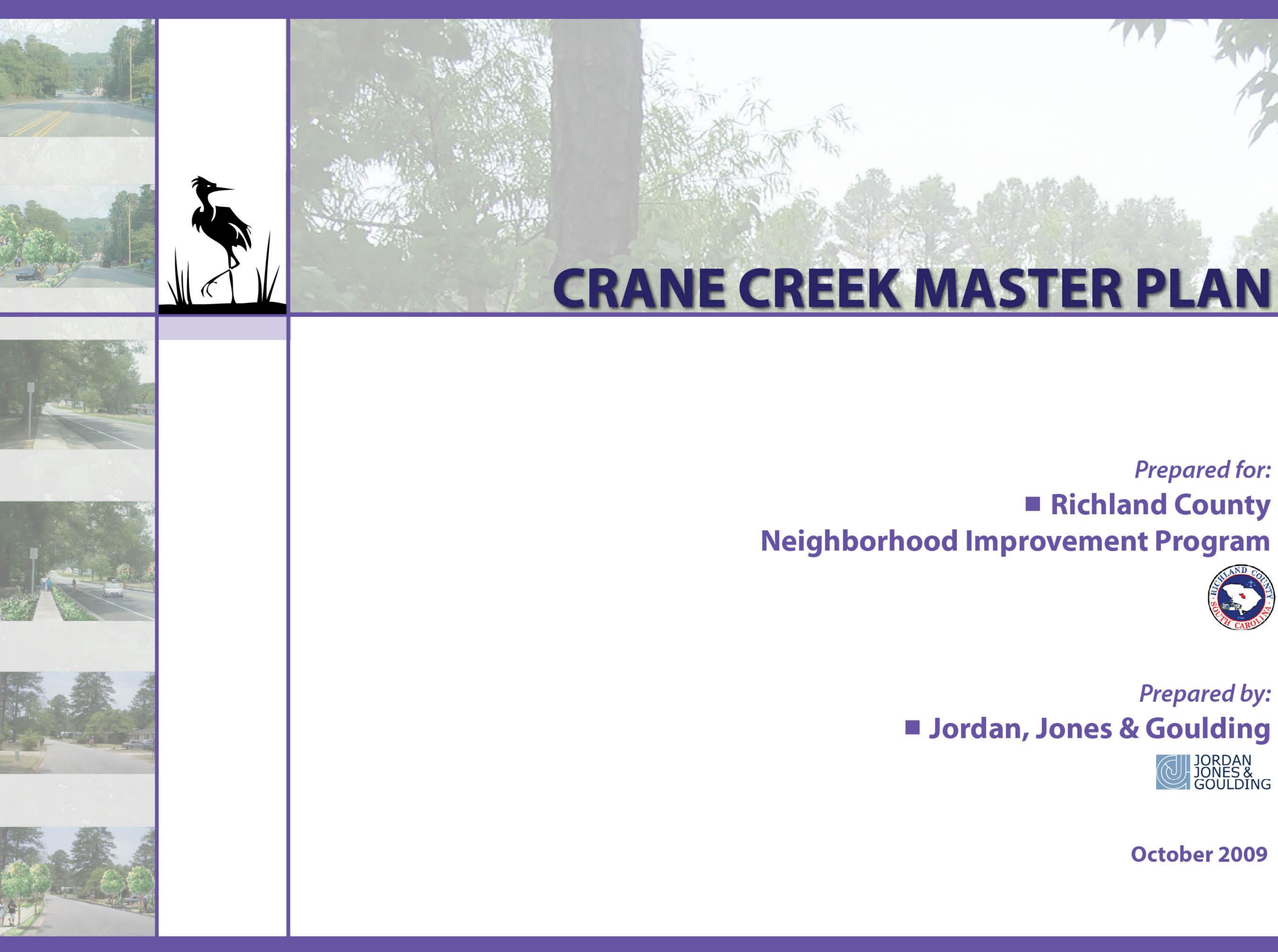


CRANE CREEK MASTER PLAN Richland County, South Carolina

Bookert Heights Crane Crossing Crane Forest Haskell Heights Lincolnshire **Pine Forest** Rockgate **Bookert Heights Crane Crossing Crane Forest** Haskell Heights Lincolnshire **Pine Forest** Rockgate **Bookert Heights Crane Crossing Crane Forest Haskell Heights** Lincolnshire **Pine Forest** Rockgate **Bookert Heights Crane Crossing Crane Forest Haskell Heights** Lincolnshire Pine Forest Rockgate **Bookert Heights Crane Crossing Crane Forest Haskell Heights** Lincolnshire



Bookert Heights Crane Crossing **Crane Forest Haskell Heights** Lincolnshire **Pine Forest** Rockgate **Bookert Heights Crane** Crossing **Crane Forest** Haskell Heights

Lincolnshire **Pine Forest** Rockgate **Bookert Heights Crane Crossing Crane Forest Haskell Heights** Lincolnshire **Pine Forest** Rockgate **Bookert Heights Crane Crossing Crane Forest Haskell Heights** Lincolnshire **Pine Forest** Rockgate **Bookert Heights Crane Crossing Crane Forest Haskell Heights** Lincolnshire



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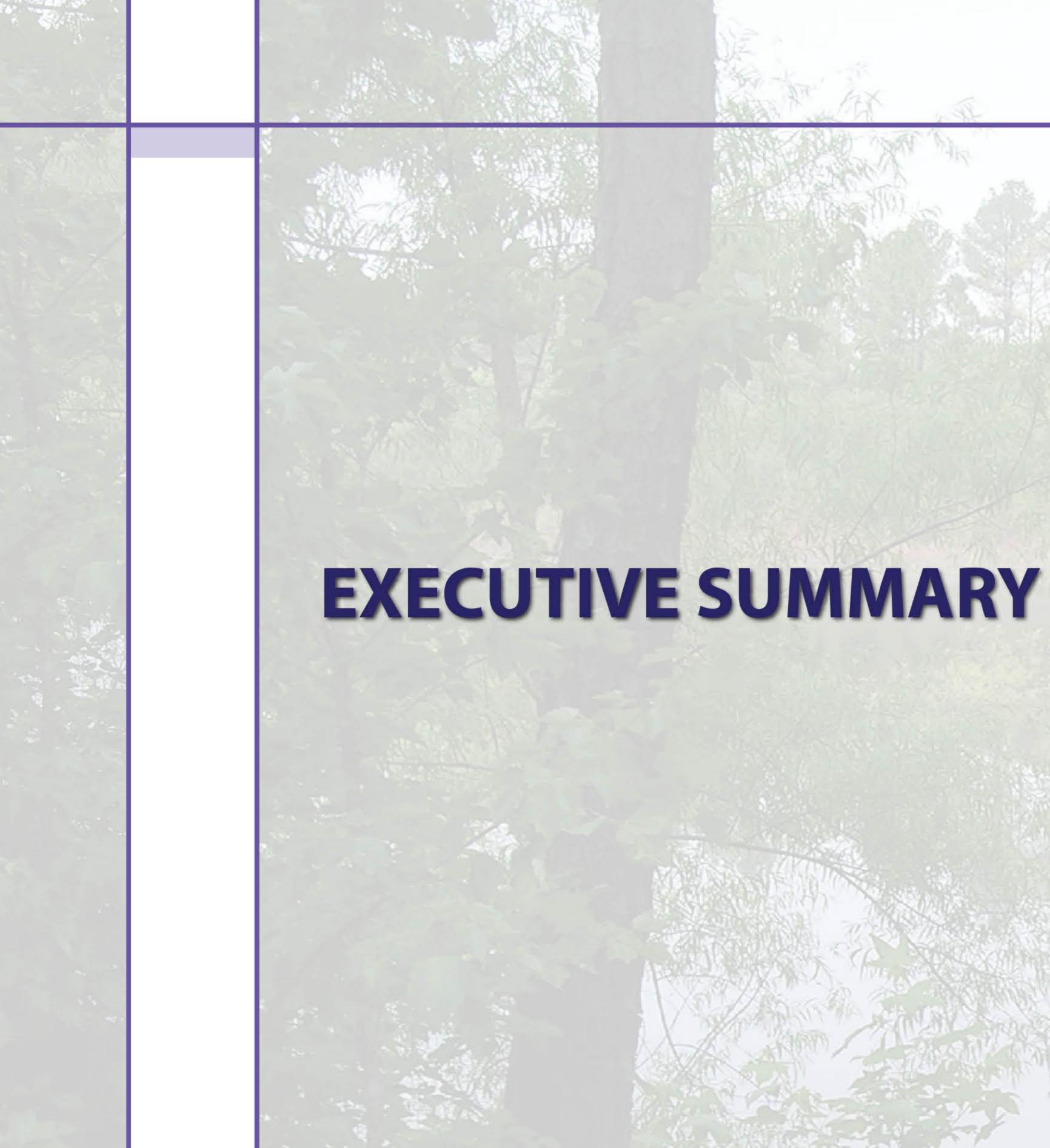
EXECUTIVE SUMMARY Overview **Sustainable Planning and Design Principles Vision and Community Goals**

- **PART 1: COMMUNITY ANALYSIS Existing Conditions Context of Change Site Analysis Design Process SWOT Analysis**
- **PART 2: MASTER PLAN Design Charrette** Land Use Plan **Circulation Plan Open Space Plan Catalyst Projects Community Gateway Community Icon and Signage Pedestrian Oriented Streetscape Social Spaces**

PART 3: ACTION PLAN

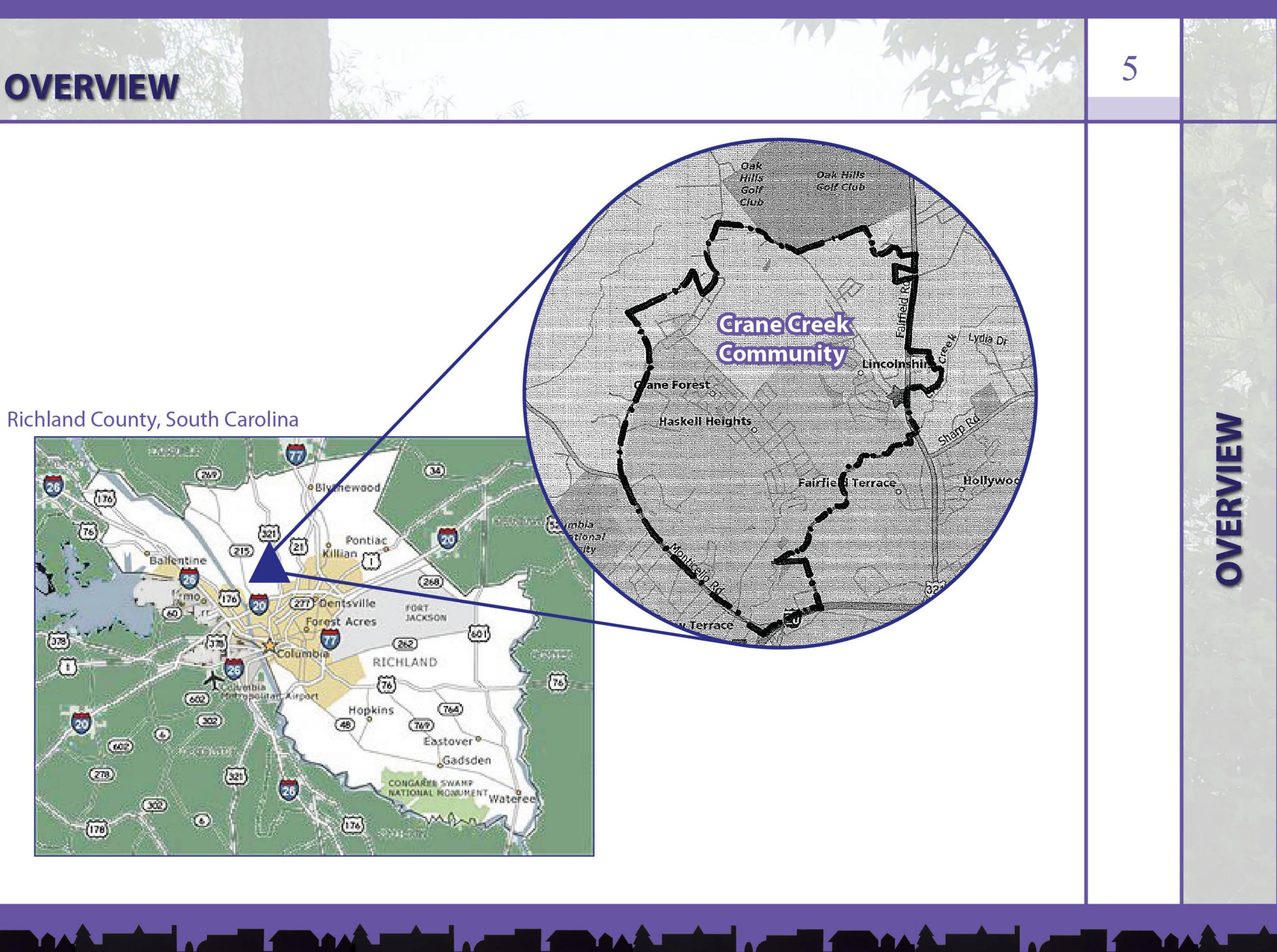
PART 4: COMMUNITY IMAGE SURVEY APPENDIXES





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SUSTAINABLE PLANNING AND DESIGN PRINCIPLES

Sustainable Community Design Principles - The principles of sustainable community have evolved from both the design and the ecological point of view. A sustainable community minimizes the impact on the natural environment and allows residents the opportunity to live, work, and play. The community design is conceived as an evolving organism which allows change, which is inevitable, to occur without disrupting the life of the community.

- Analyze the site to determine the natural and cultural features that may affect the development plan. A -
- Design the site to place development on those areas where the environmental impact is minimized. **B** -
- Allow for the preservation of and the creation of, plant and animal habitat. **C** -
- Utilize the natural features of the property as both an amenity and as a component of the community storm water control D system.
- Reduce the width of streets to a maximum of 24' in residential areas.
- Allow for the used of shared parking among the various elements of the community. F -
- Create a system of pedestrian trails and sidewalks. **G** -

— K

- Design the community around the needs of the people who live and work there by providing easy access, multiple Η transportation options, pedestrian oriented streets, plenty of opportunities for people to interact with each other and the natural environment.
- Mix housing types to allow for all income levels and ages to inhabit the community.
- Create inter-related land uses which make the community walkable. J -
- **Create spaces for people to gather.** K -



ESIG



Recreate the community of crane creek and direct the future development to allow for a green, sustainable area.

- 4 Create a walkable community with viable pedestrian and bike trails
- 6 Preserve existing wetlands and create a community open space network
- 7 Increase sustainable community educational services





PART 1: COMMUNITY ANALYSIS

The Community Analysis section consists of 5 elements: Existing Conditions, Context of Change, Site Analysis, Design Process and SWOT (Strengths, Weaknesses, Opportunities and Threats) Analysis. The purpose of the analysis is to develop an understanding of the natural and cultural environment affecting the Crane Creek community. By developing this understanding we can know the steps needed to promote the preservation and enhancement of the community to benefit the residents of the community.



EXISTING CONDITIONS

The Crane Creek Community is located at Richland County, South Carolina, just north of City of Columbia. The study area encompasses approximately 3,100 acres. There are 7 major existing neighborhoods: Bookert Heights, Crane Crossing, Crane Forest, Haskell Heights, Lincolnshire, Pine Forest, and Rockgate.

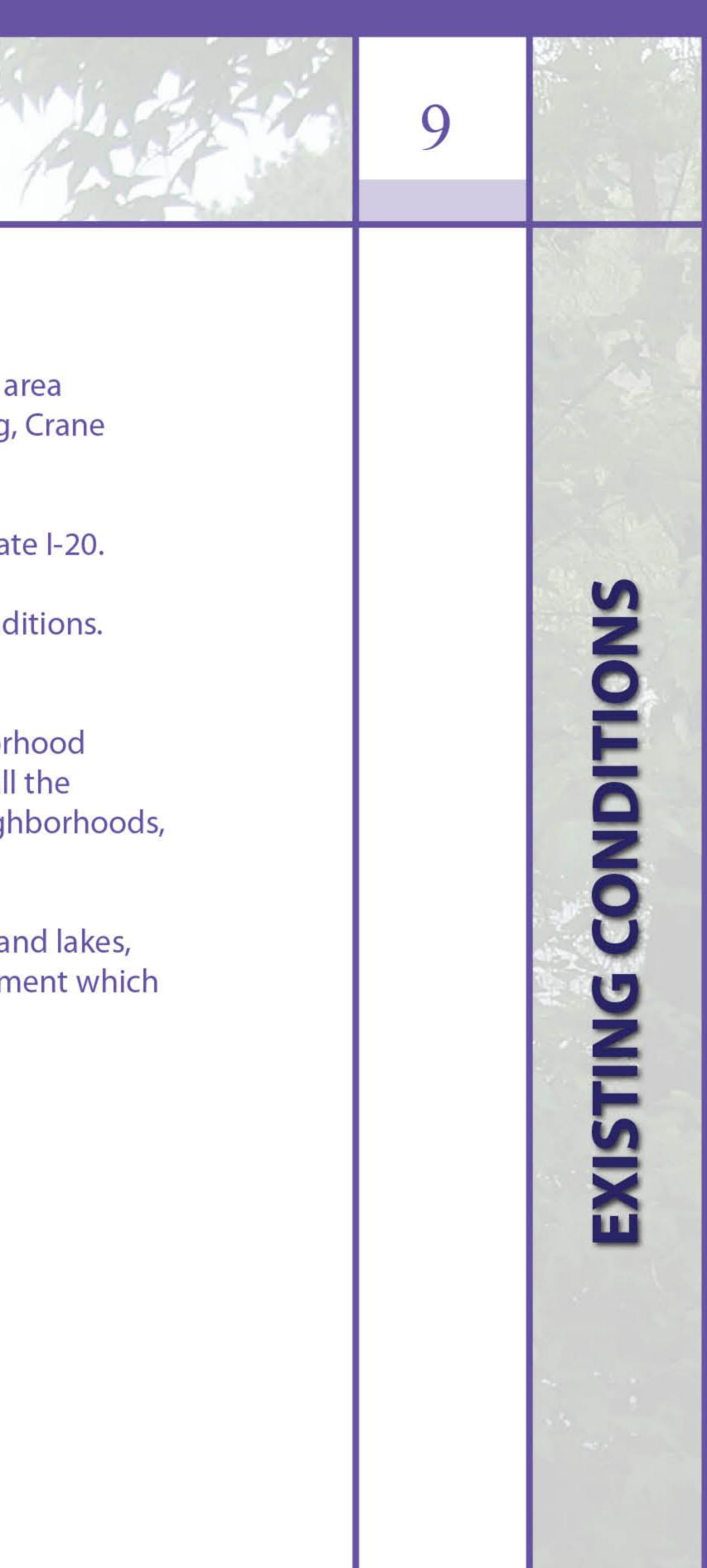
The area is bordered by Fairfield Road, Monticello Road, Heyward Brockington Road, Crane Church Road and Interstate I-20.

The predominate land uses are single family residential and industrial. There is a mixture of both good and poor conditions. There are is a large amount of vacant lots and many homes in the area are in need of repair.

The major streets are in good repair, however, most neighborhood streets lack regular maintenance. Some neighborhood streets are unpaved and also seem to have no regular maintenance. There are some sidewalks in the area, but overall the neighborhood lacks a pedestrian friendly road network. There is also a lack of inter-connectivity between most neighborhoods, for both vehicular and pedestrian traffic.

Although the Crane Creek Community is facing many challenges, it has its unique features such as: beautiful creeks and lakes, heavily wooded wetlands, matured neighborhood streetscape, unique housing styles, and pockets of new development which indicate a potential revitalization.





CONTEXT OF CHANGE

Over the next 30 years, the Crane Creek Community will face population growth, maturing infrastructure, aging population, and other challenges and opportunities. Planning for this growth requires consideration of likely trends and desired outcomes.

The population in the Crane Creek Community has experienced up and down trends. Because of economic reasons, the total population in the Crane Creek Community decreased by 14.4% from 1990 to 2000. This has resulted in large quantity of vacant lots and homes. After 2000, several new developments brought more people to the area. This revitalization trend will continue. According to the population projection for 2035, the Crane Creek Community will grow by more than 30%. The major reasons for the revitalization include the community's unique location, accessibility and quantity of available land suitable for development.

Population growth didn't occur equally among all age groups. The Community population is aging with the median age increasing from 28.7 (1990) to 39.6 (2011). This major demographic shift will have a considerable impact on community needs and services.

The household income increased significantly from 1990 to 2000. The average increase was 34%. The Per Capita income has increased by almost 50%. According to 2011 estimates, the average household income will increase from \$25k/year (1990) to \$42.8k/year (2011). The unemployment rate is relatively low. And it will keep dropping from 11.5% in 1990 to 4.5% by 2011.

These projections and anticipated changes to the community are a best estimate of what is likely to come. They should not be construed as inevitable outcomes, but serve as a framework for successfully planning for the future of Crane Creek Community.

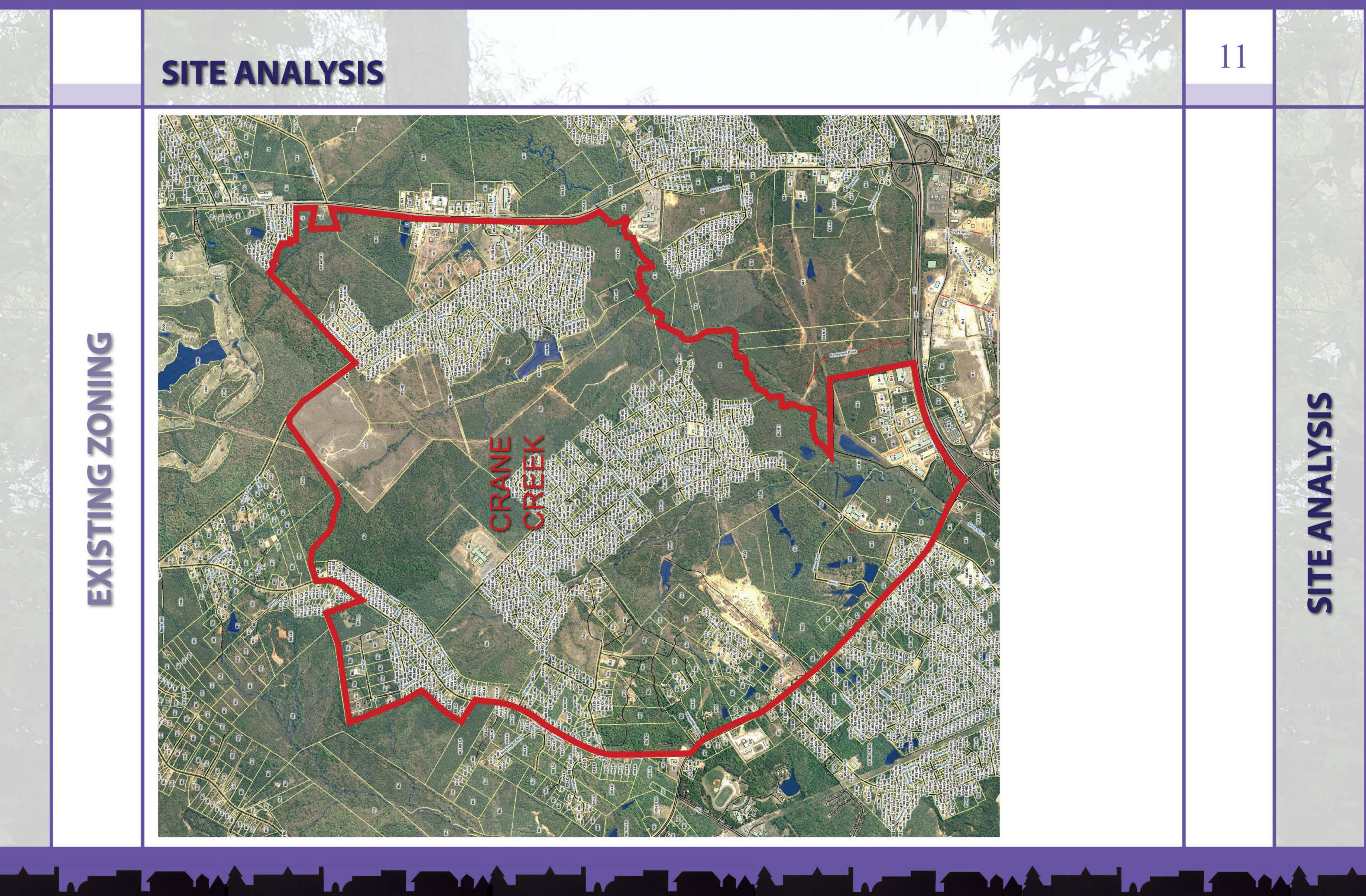






ONTEXT OF CHANGE





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SITE ANALYSIS

Residential Districts:

- t RR Rural Residential District
- b. RS-E Residential, Single-Family, Estate District
- c. RS-LD Residential, Single-Family, Low Density District
- d. RS-MD Residential, Single-Family, Medium Density District
- e. RS-HD Residential, Single-Family, High Density District
 f. MH Manufactured Home Residential District
- g. RM-MD Residential, Multi-Family, Medium Density District
- g. RM-MD Residential, Multi-Family, Medium Density Distr
 h. RM-HD Residential, Multi-Family, High Density District

Commercial Districts:

- a. OI Office and Institutional District
- b. NC Neighborhood Commercial District
- c. RC Rural Commercial District
- d. GC General Commercial District

Industrial Districts:

- a. M-1 Light Industrial District
- b. LI Light Industrial District
- c. HI Heavy Industrial District

Other Districts:

- a RU Rural District,
- b. PDD Planned Development District
- c. TC Town and Country District

EXISTING DISTRICTS/ZONES IN CRANE CREEK NEIGHBORHOOD

EXISTING ZONING



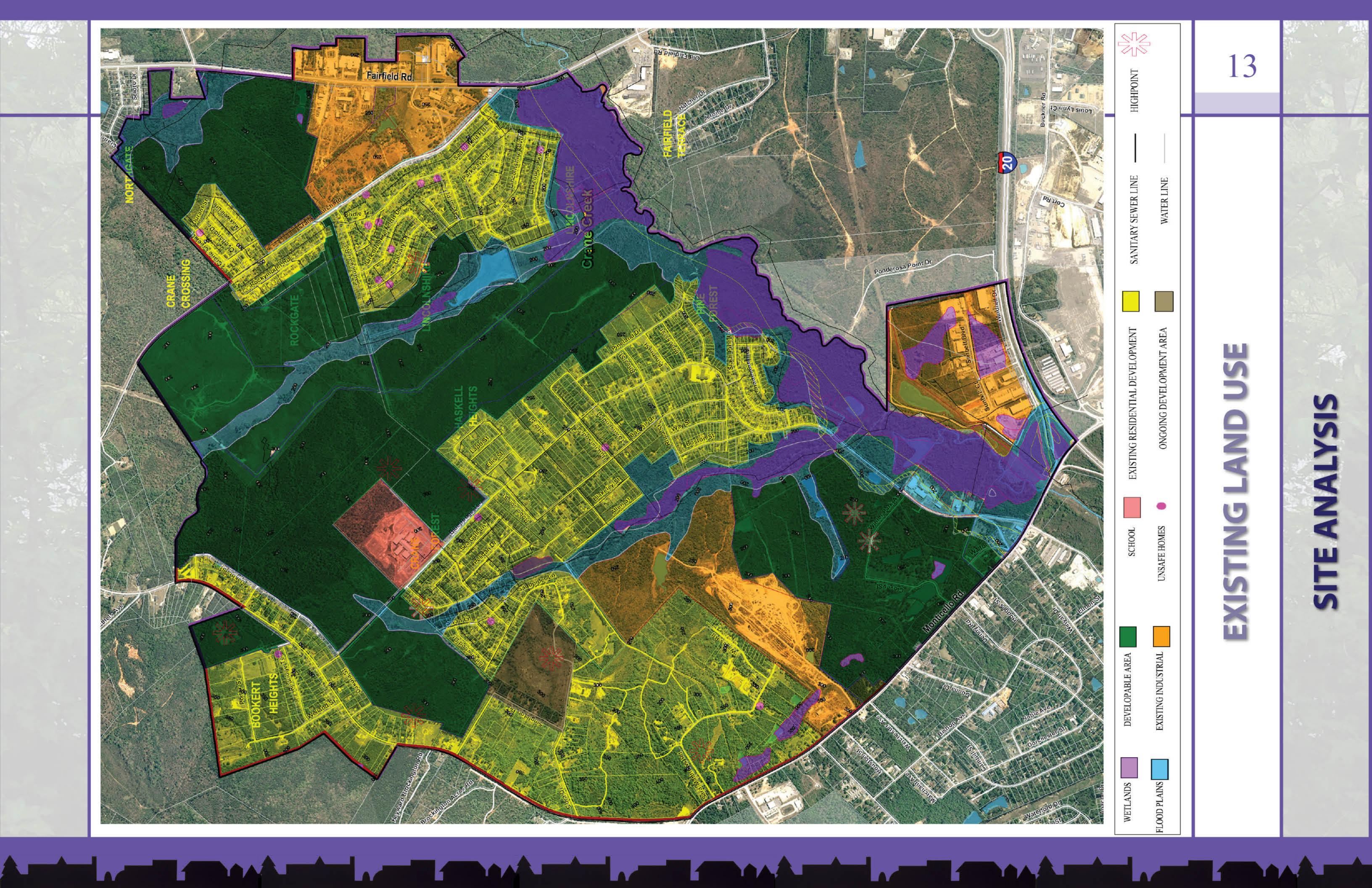
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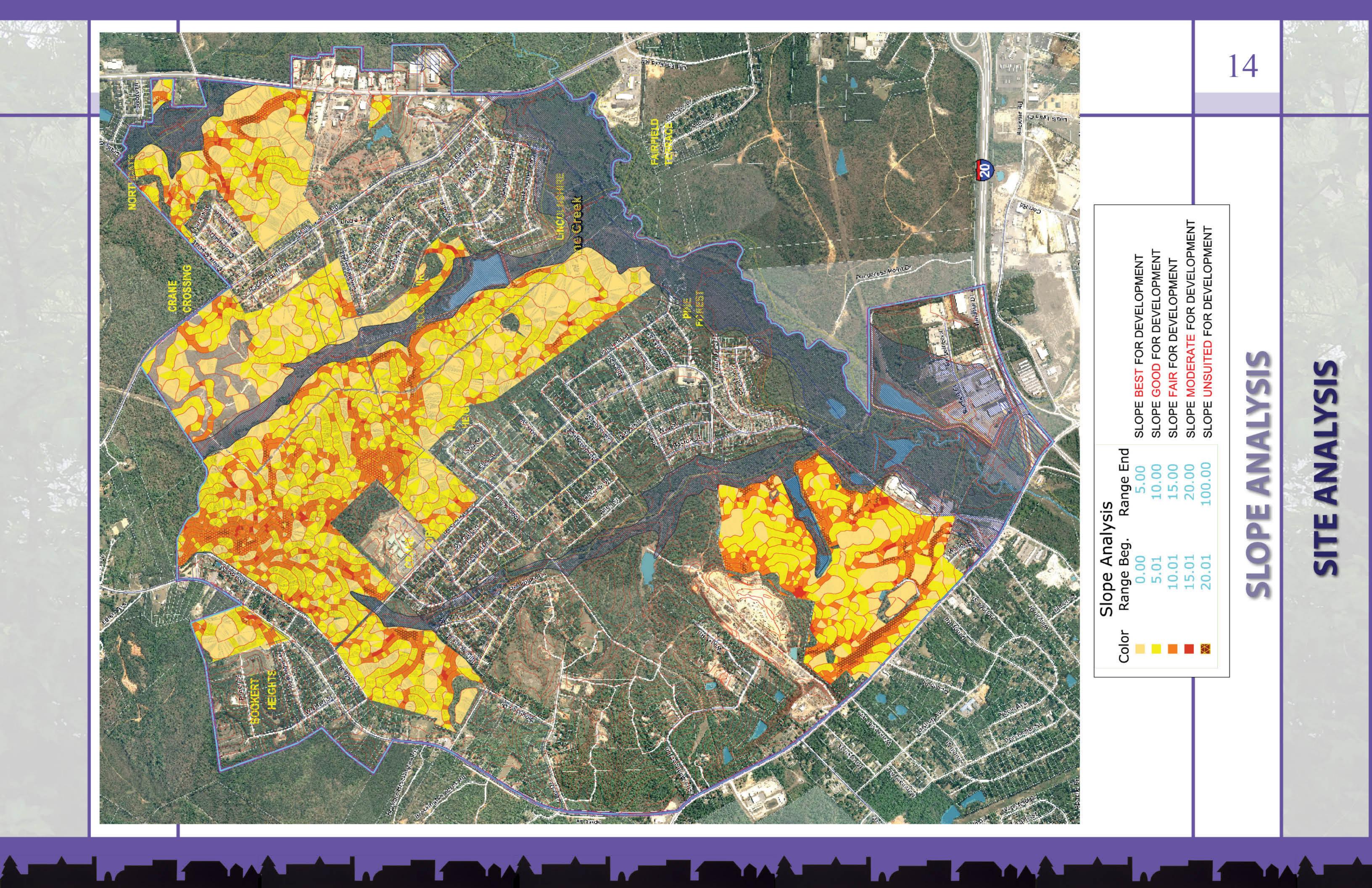






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	SITE ANALYSIS





DESIGN PROCESS

Our design process for the Crane Creek Master Plan consisted of a community analysis, master plan preparation, creating catalyst projects and creating an action plan to be followed so that the master plan can come to fruition. The community analysis was used to make sure the plan was customized for the community. The master plan preparation was brought forth by the information received through the community analysis. The catalyst projects were an aspect of the master plan preparation in which the combination of input received and the design team's expertise were collaborated into design ideas in areas observed to be in need. The action plan was created to suggest ideas to get the master plan in motion.

I. COMMUNITY ANALYSIS

- A. SITE INVENTORY
- C. PUBLIC INVOLVEMENT
 - **1. COMMUNITY IMAGE SURVEY**
 - 2. SWOT ANALYSIS
 - **3. COMMUNITY CHARRETTE**

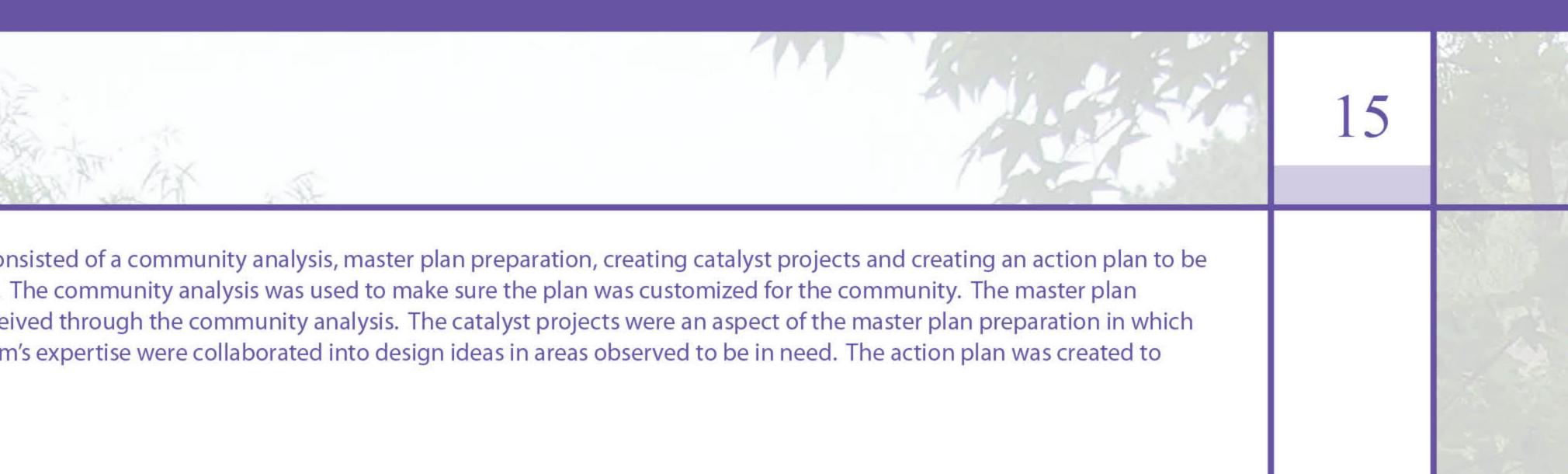
II. MASTER PLAN PREPARATION

- A. SYNTHESIS OF COMMUNITY
- **B. CONCEPT MASTER PLAN**
- C. IDENTIFY CATALYST PROJECTS

III. CATALYST PROJECTS

IV. ACTION PLAN

- - 1. Code enforcement actions
 - 2. New overlay development
 - 3. Community infrastructure improvements
 - 4. Community identity measures
- - 1. Tax allocation district
 - 2. Grants (public and private)



B. ECOLOGICALLY DETERMINED DEVELOPMENT OPPORTUNITIES

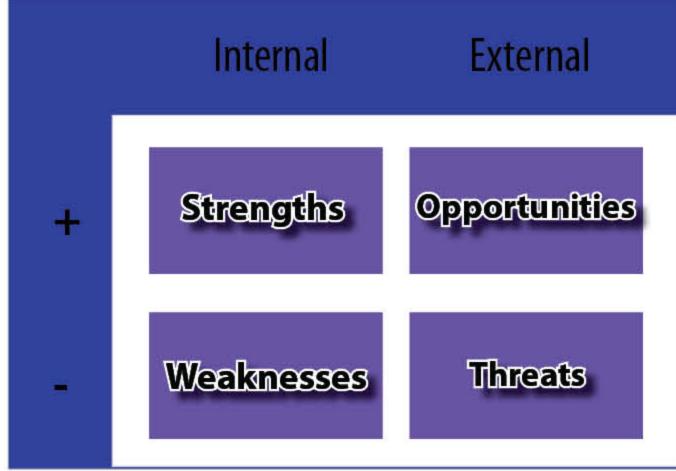
A. IDENTIFY AREAS WHERE NEW PUBLIC OR PRIVATE DEVELOPMENT WOULD POSITIVELY IMPACT THE COMMUNITY **B. PREPARE CONCEPT PLANS FOR EACH IDENTIFIED CATALYST**

A. IDENTIFY A SERIES OF STEPS THAT WILL ALLOW IMPLEMENTATION OF THE PLAN B. IDENTIFY MECHANISMS WHICH CAN PROVIDE FUNDING DIRECTLY TO THE COMMUNITY

3. Regime fees through an umbrella property owners association







SWOT Analysis, is a strategic planning tool used to evaluate the Most residents spoke of good communication, affordable housing,

Strengths, Weaknesses, Opportunities, and Threats of a project. Local residents were brought together to identify internal stregths and weeknesses, also external opportunities and threats of their community. open space, large lots, and safe place for children to play as strengths. They also mentioned the strong community association and active community involvement as very positive aspects for their neighborhood. The common weaknesses related to concerns about vacant houses, missing commercial and amenity areas, incomplete drainage system, poor street lighting and weak community upkeep. Most neighborhoods saw opportunities for increased accessibility and connectivity as key to future success. Threats were numerous, but the most concerned is about uncontrolled sprawl into the area.

The SWOT analysis was a meaningful exercise that helped each of the neighborhoods focus on neighborhood and community issues. While the terms are general, the analysis offered direction to the participants in the planning process. The items identified through the SWOT analysis, are not necessarily identical to factors that became issues in master planning. However, the discussion facilitated the development of the residents' concerns which needed to be addressed in the master plan.

INTERNAL

Strengths

- Good communication, proximity to other areas
- Strong community association
- Active community involvement
- Housing price is affordable
- Large open area
- **Big lot sizes**
- Space between homes is good
- Safe place for children to play

Weaknesses

- No planning in advance
- Lots of vacant houses
- No entryway into neighborhoods
- No commercial amenities
- Poor drainage
- Poor lighting
- Community needs better upkeep

EXTERNAL

Opportunities

- Access to creeks
- Sidewalk connections
- Recreation/youth center/senior center
- Connectivity
- Code enforcement
- Best practices in other areas

Threats

- North East Sprawl
- Lack of regulation regarding water resources
- Surrounding development encroaching on the community
- Planned development not occurring
- City incorporation





PART 2: MASTER PLAN

The Master Plan section consists of 9 elements: Design Charrette, Land Use Plan, Circulation Plan, Open Space Plan, Catalyst Projects, Community Gateway, Community Icon and Signage, Pedestrian Oriented Streetscape and Social Spaces. The purpose of this is to develop a plan that was created through the input of the Crane Creek Community and combined with Smart Growth ideology to give the residents of the neighborhood exactly what they feel they want it to look like.



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DESIGN CHARRETTE

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The Public Design Charrette is a creative process of visual brainstorming to develop solutions to a design problem within a limited time frame. It is a collaborative planning process that harnesses the talents and energies of all interested parties to create and support a feasible plan that represents transformative community change.

Charrettes provide a framework for creating a shared vision with community involvement, directed by consultants representing all key disciplines. It actively engages the public and key community stakeholders in the future of their community. The rewarding results of a public charrette are a better-informed public, a clearer understanding of issues and opportunities, and an actively engaged partnership of elected officials, community leaders, and citizens with a joint vision of where their community wants to go and how to get there.





DESIGN CHARRETTE

On July 21, 2007 a Neighborhood Design Charrette was attended by County officials, the professional design team, and local residents. The Charrette consisted of a SWOT analysis, a COMMUNITY IMAGE SURVEY, and a break-out session in which the residents were divided into groups to participate in a design of their community. Although each group has different opinions on specific issues, they are sharing many concerns in common for the future of the community:

Redevelopment and New Development

- Keep the same residential density; larger lots are preferred
- Reconstruct the commercial area near the intersection of Blue Ridge Road and Monticello Road
- Add small amounts of commercial properties, built at human scale; no strip malls
- Limit industrial growth; promote rezoning industrial to commercial
- Protect and enhance property value; prevent lower price point development near high ones; amend community by laws to maintain property – add covenants
- Eliminate abandoned homes; new Codes for vacant lots or enforce existing ones
- Add medical center, library, and police department
- Plan for schools
- Plan for senior housing
- Some mixed use of office and commercial
- Need large complex recreational facilities
- Oak Hill Property needs clarification for future development
- The intersection of I-20 and Fairfield Road needs clarification for future development

Open Space

- Conserve open space
- Preserve existing trees
- Add parks; small parks throughout the neighborhoods
- Provide access to creek
- Create pocket parks by cleaning up vacant property and abandoned area

Transportation

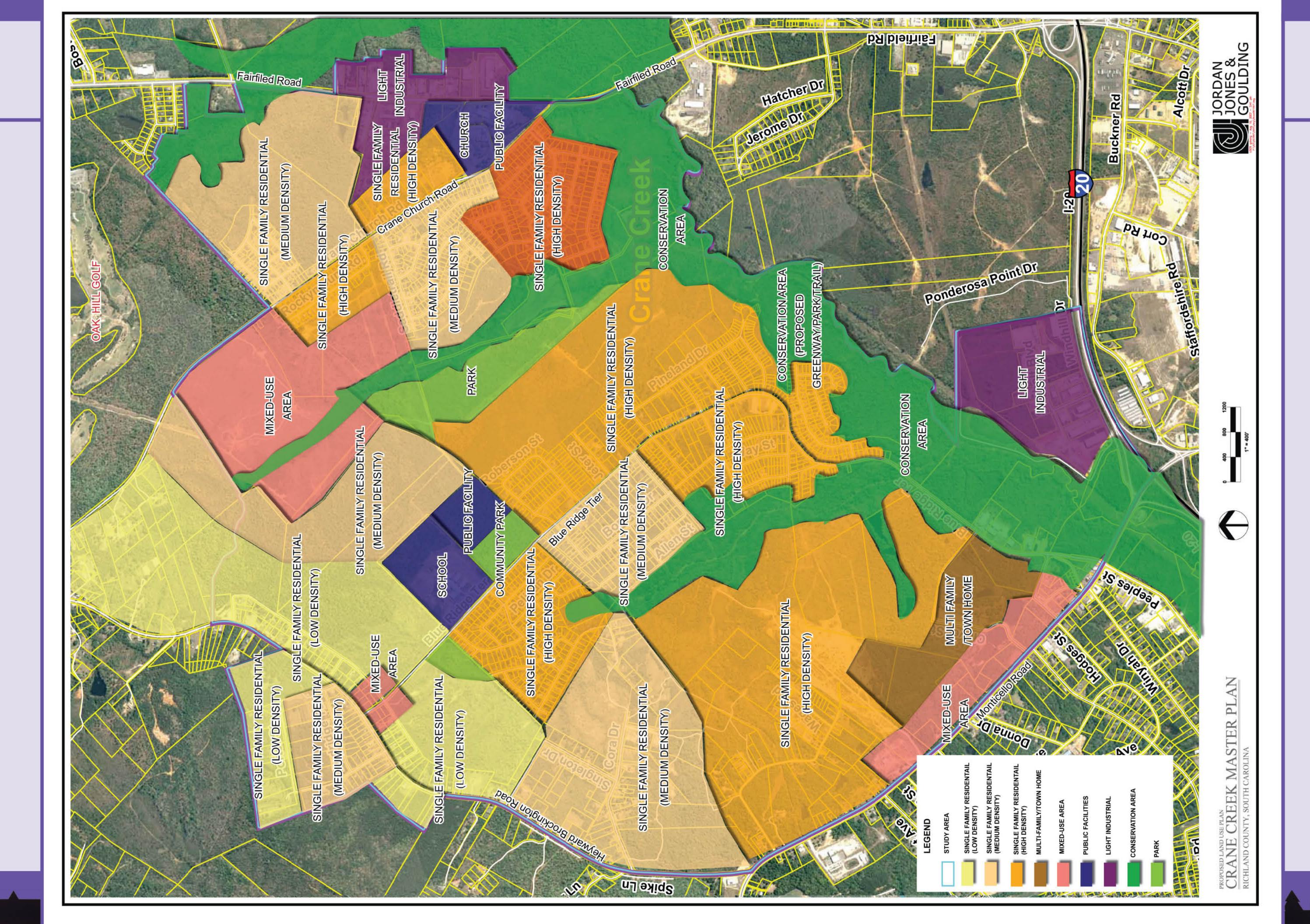
- Increase road connectivity among neighborhoods, but safety is a big concern, be careful in planning
- Bus service needs to continue up Crane Church Road and **Brockington Road**

Streetscape

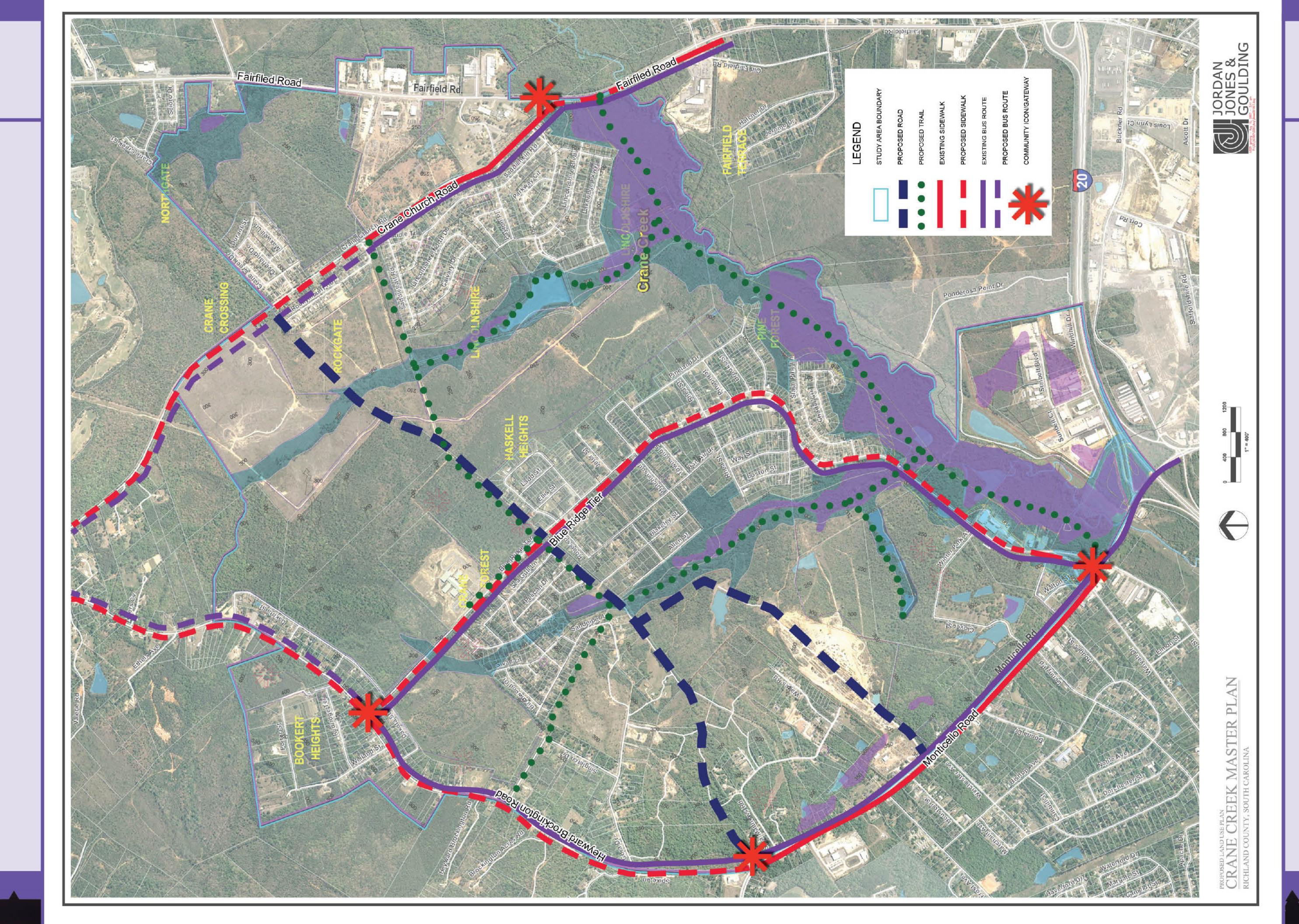
- Improve road conditions; pave unpaved roads (Sara Mathews, Wages road, Club road, Furwood Circle, Hattie Rd, Larger St.)
- Locate more sidewalks and complete gaps (Fairfield road, Monticello Road, Blue Ridge Tier, Brockington, Cora Dr., Singleton, Dakota, Red Ridge, Crane Church Road, sidewalks need to continue to Crane Creek Community Center)
- Walking trails to connect all communities
- Security system needs to be present (Monticello Road)
- Provide sufficient street lights on all major streets (Crane Church Road, Monticello Road, and Heyward Brockington Road)
- Build community gateways

Utility

- Upgrade utilities (Broadband, underground utilities, electricity, etc)
- Improve sewer service (Brockington Road, Cargor St., Hattie Road)

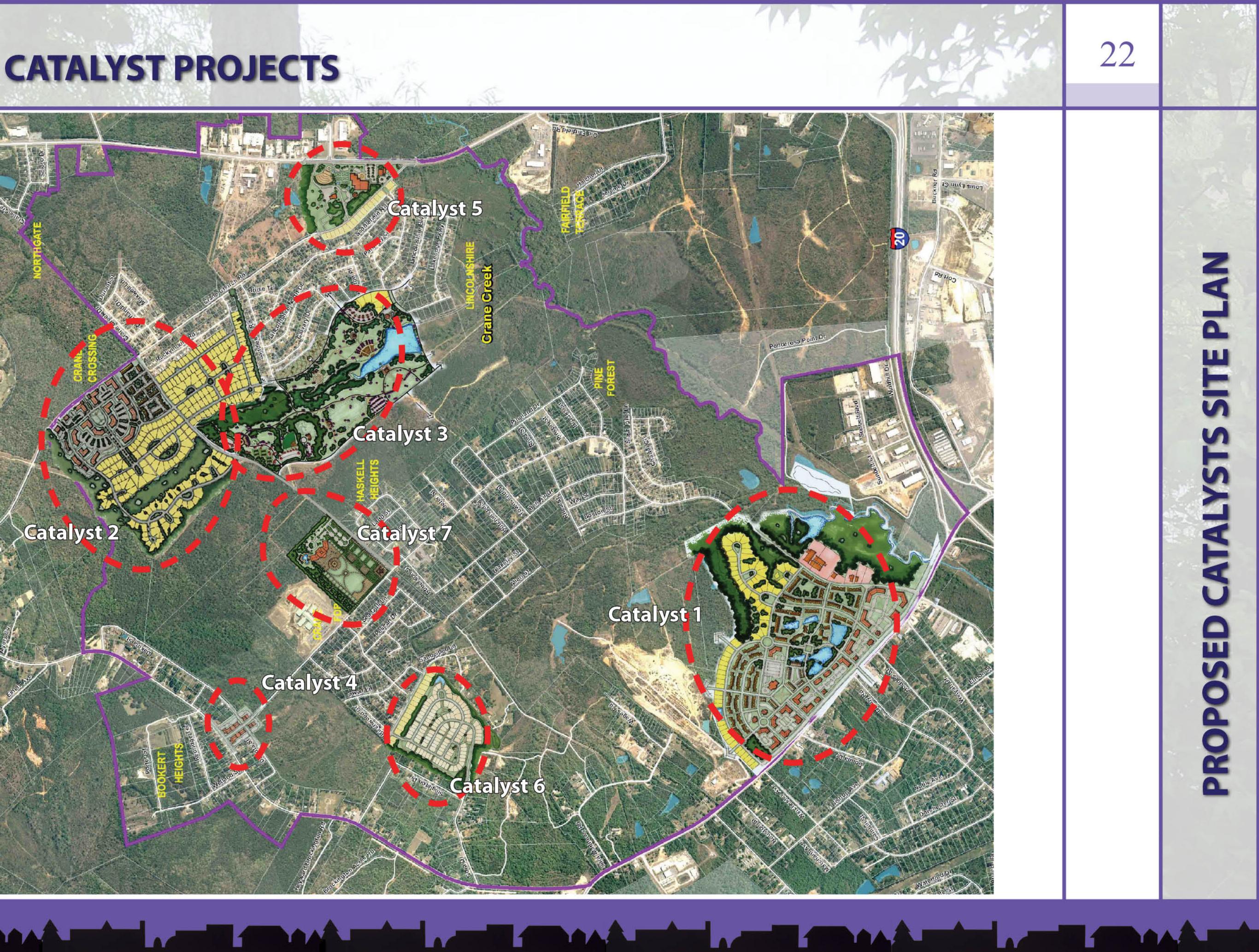


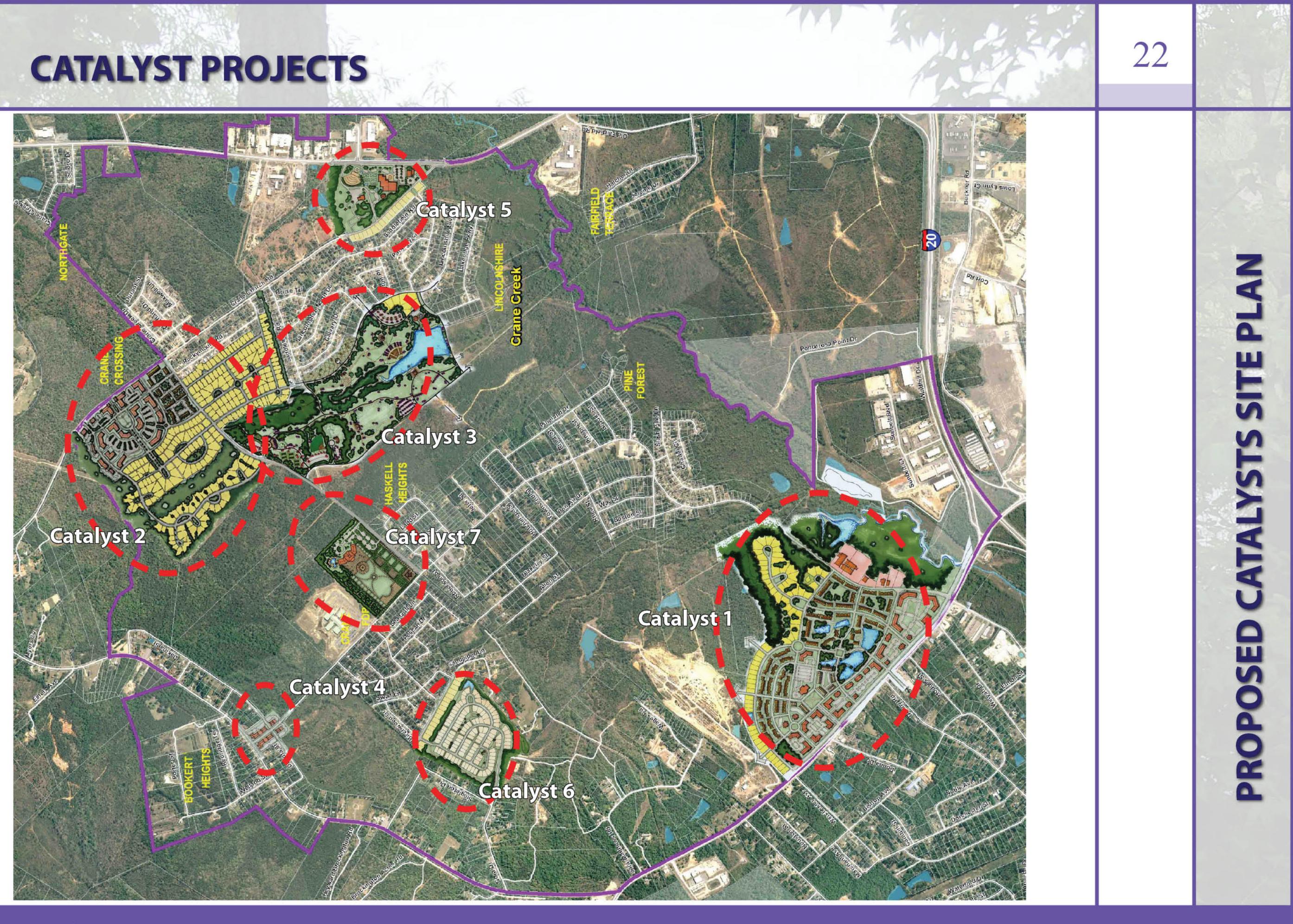
PROPOSED LAND USE PLA



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The site located on the intersection of Blue Ridge Terrace and Monticello Drive in the southeastern portion of the Crane Creek study area is suggested as the location for one of two mixed-use developments. The location is viable due to the volume of traffic on both roads, Blue Ridge Terrace because it has access throughout the whole Crane Creek area and Monticello Road because from there it is a direct route I-20. The direct route can be an advantage for both people coming to the retail/commercial areas and the residential areas as well. The commercial areas are a replacement for abandoned commercial that already is exists. This first mixed-use area will have commerical/office/loft mixed-use, townhomes, and single-family home sites. There are multiple open space areas as requested by the community in the COMMUNITY IMAGE SURVEYs at the neighborhood charrette. The development would take advantage of the existing ponds and utilize them as open spaces and as an element of the storm water utility.

TOWNHOMES

Commerial/Office/Loft - 436, 805 SF Total Parking (5/1000SF) - 2189 spaces Townhomes - 356 95'x130' Lots - 67

CATALYST 1 TOOLS

- -Overlay Zoning for Architectural Control
- -Tree Preservation & Landscape Ordinance
- -Private Developer Incentives
- -Retail and Commercial Incentives
- -Tax Allocation District

-Community Improvement District

- TOWN GREEN

EXISTING LAKE -

MIXED-USE (COMMERCIAL/OFFICE/LOFT)



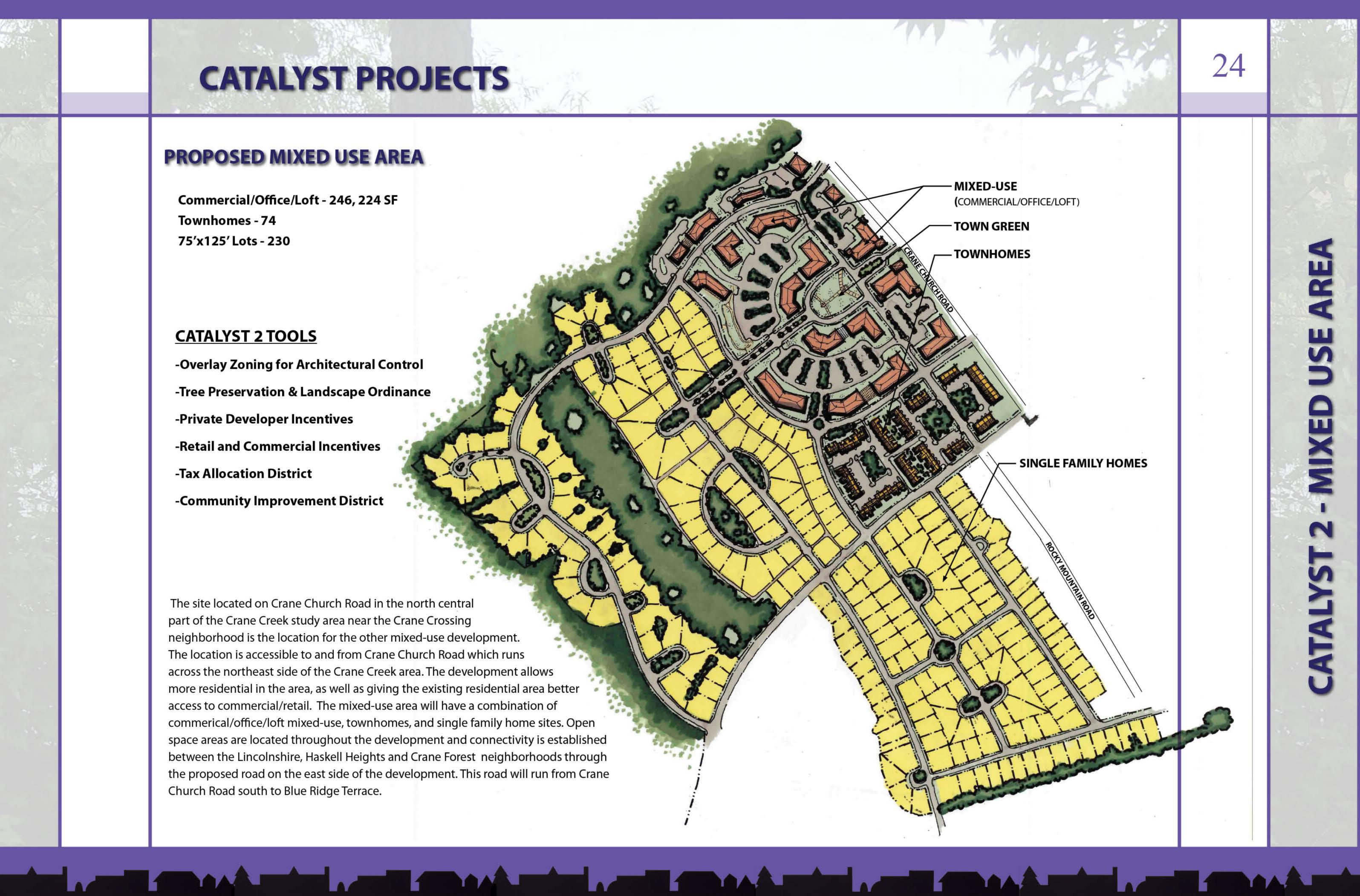
PROPOSED MIXED USE AREA

Commercial/Office/Loft - 246, 224 SF Townhomes - 74 75'x125' Lots - 230

CATALYST 2 TOOLS

-Overlay Zoning for Architectural Control -Tree Preservation & Landscape Ordinance -Private Developer Incentives -Retail and Commercial Incentives -Tax Allocation District -Community Improvement District

The site located on Crane Church Road in the north central part of the Crane Creek study area near the Crane Crossing neighborhood is the location for the other mixed-use development. The location is accessible to and from Crane Church Road which runs across the northeast side of the Crane Creek area. The development allows more residential in the area, as well as giving the existing residential area better access to commercial/retail. The mixed-use area will have a combination of commerical/office/loft mixed-use, townhomes, and single family home sites. Open space areas are located throughout the development and connectivity is established between the Lincolnshire, Haskell Heights and Crane Forest neighborhoods through the proposed road on the east side of the development. This road will run from Crane Church Road south to Blue Ridge Terrace.



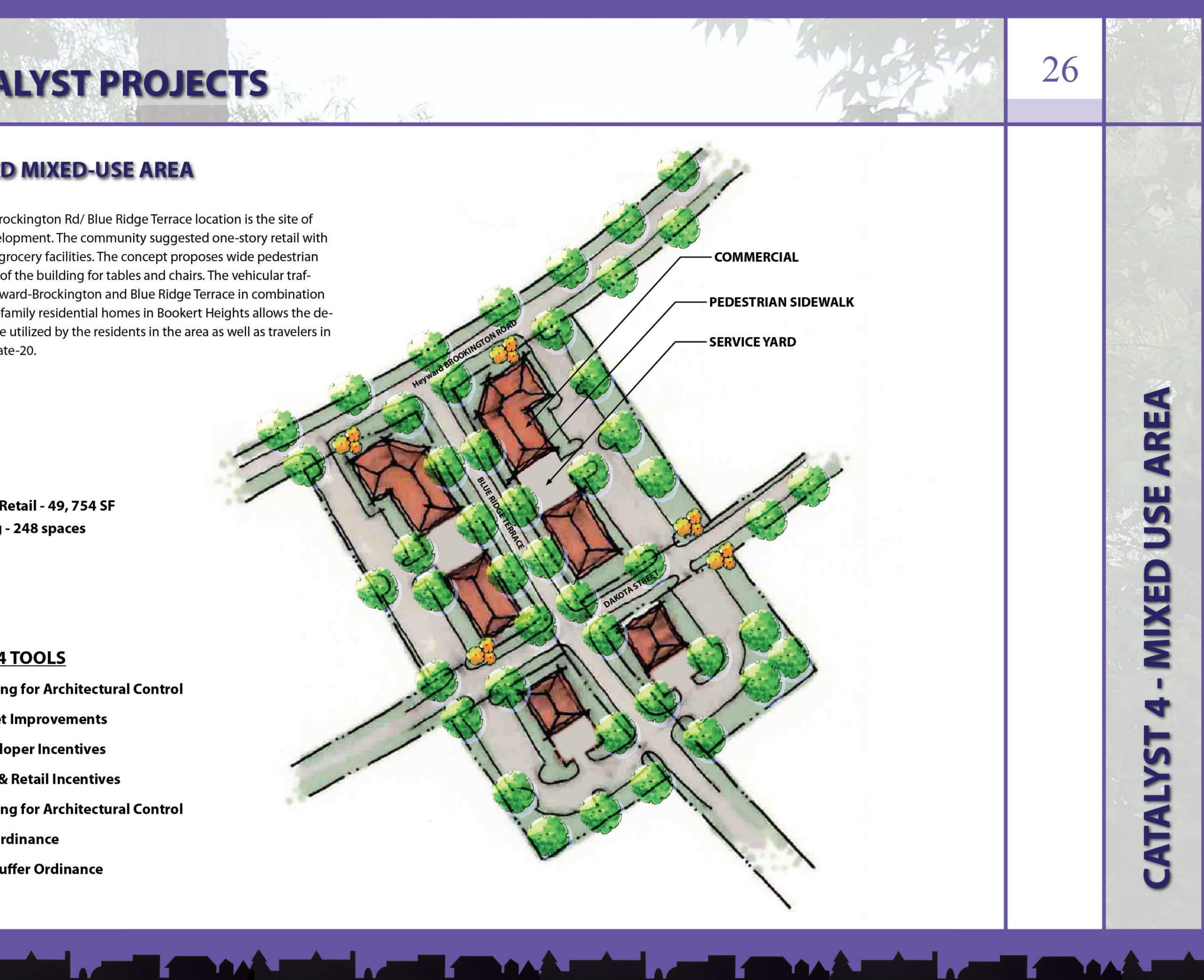




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PROPOSED MIXED-USE AREA

The Heyward-Brockington Rd/ Blue Ridge Terrace location is the site of mixed-use development. The community suggested one-story retail with drug store and grocery facilities. The concept proposes wide pedestrian venues in front of the building for tables and chairs. The vehicular traffic on both Heyward-Brockington and Blue Ridge Terrace in combination with the single-family residential homes in Bookert Heights allows the development to be utilized by the residents in the area as well as travelers in route to Interstate-20.



Commercial/Retail - 49, 754 SF Total Parking - 248 spaces

CATALYST 4 TOOLS

- -Overlay Zoning for Architectural Control
- -Dakota Street Improvements
- -Private Developer Incentives
- -Commercial & Retail Incentives
- -Overlay Zoning for Architectural Control
- -Landscape Ordinance

-Vegetative Buffer Ordinance

PROPOSED COMMUNITY CENTER

CATALYST 5 TOOLS

-Richland County Recreation Foundation Funding

- -Richland County Neighborhood Grants
- -Local Area Business Donations
- -Richland County Cultural Arts Groups
- -Richland County Community Involvement Groups
- -Columbia Action Council Funding
- -Tax Allocation District
- -Community Improvement District

-Richland County Department of Education Funding

PROPOSED PAVILION PROPOSED WALKING TRAILS PROPOSED RECREATIONAL CENTER EXISTING HOMES

The Fairfield Rd/Crane Church Road location on the northeastern side of the Crane Creek area is the site for a community center. The site has access from both Fairfield and Crane Church roads, allowing easy access to the surrounding neighborhoods. The existing community center is expanded from a single building to a complete area for indoor and outdoor activities. The community suggested gyms or a recreational building that can be used as a gym along with other activities. The concept also proposes outdoor basketball courts, an amphitheater, a picnic pavilion and walking trails.

The sheriff training building is relocated, a police substation and a neighborhood entry sign are proposed but the existing church and cemetery are preserved.

EXISTING CHURCH

AND CEMETARY

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PROPOSED AMPHITHEATER

PROPOSED **BASKETBALL COURTS**

RELOCATED SHERIFF TRAINING BUILDING

PROPOSED POLICE SUBSTATION

EXISTING FIRE STATION

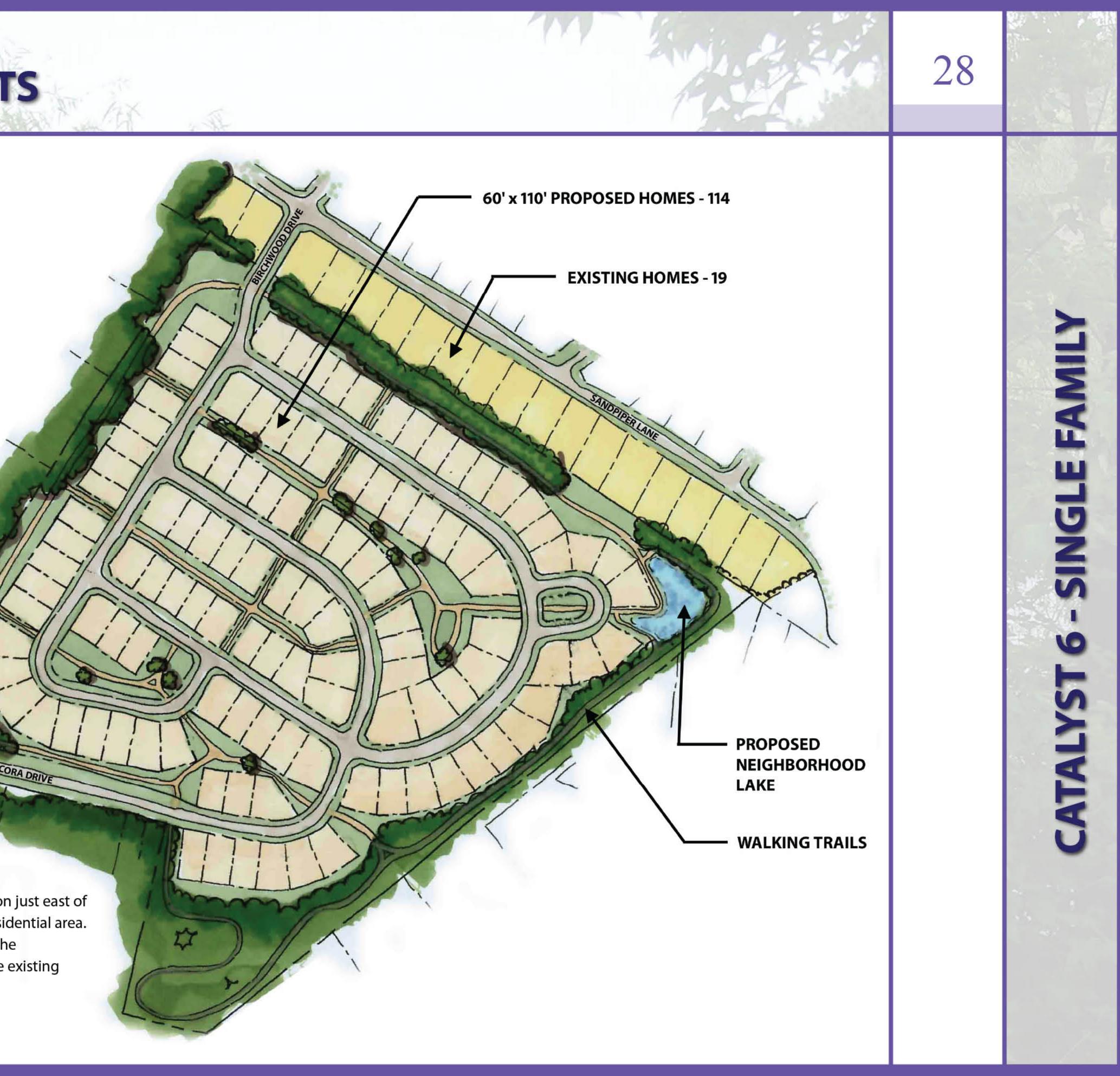
PROPOSED NEIGHBORHOOD GATEWAY ENTRY SIGN

PROPOSED SINGLE FAMILY

CATALYST 6 TOOLS

-Planned Development District Zoning
-Private Developer Incentives
-South Carolina Association of Home Builders
-Home Builder Incentives
-Architectural Control Guidelines
-Home Owner Incentives
-Community Improvement District
-Revised Subdivision Regulations
-Landscape Architectural Ordinances
-Pedestrian Circulation Guidelines

The Sandpiper Lane/ Birchwood Road/Core Drive location just east of Singleton Dr. is the location for another single-family residential area. The community requested medium density housing in the COMMUNITY IMAGE SURVEY and this will blend with the existing medium density housing.





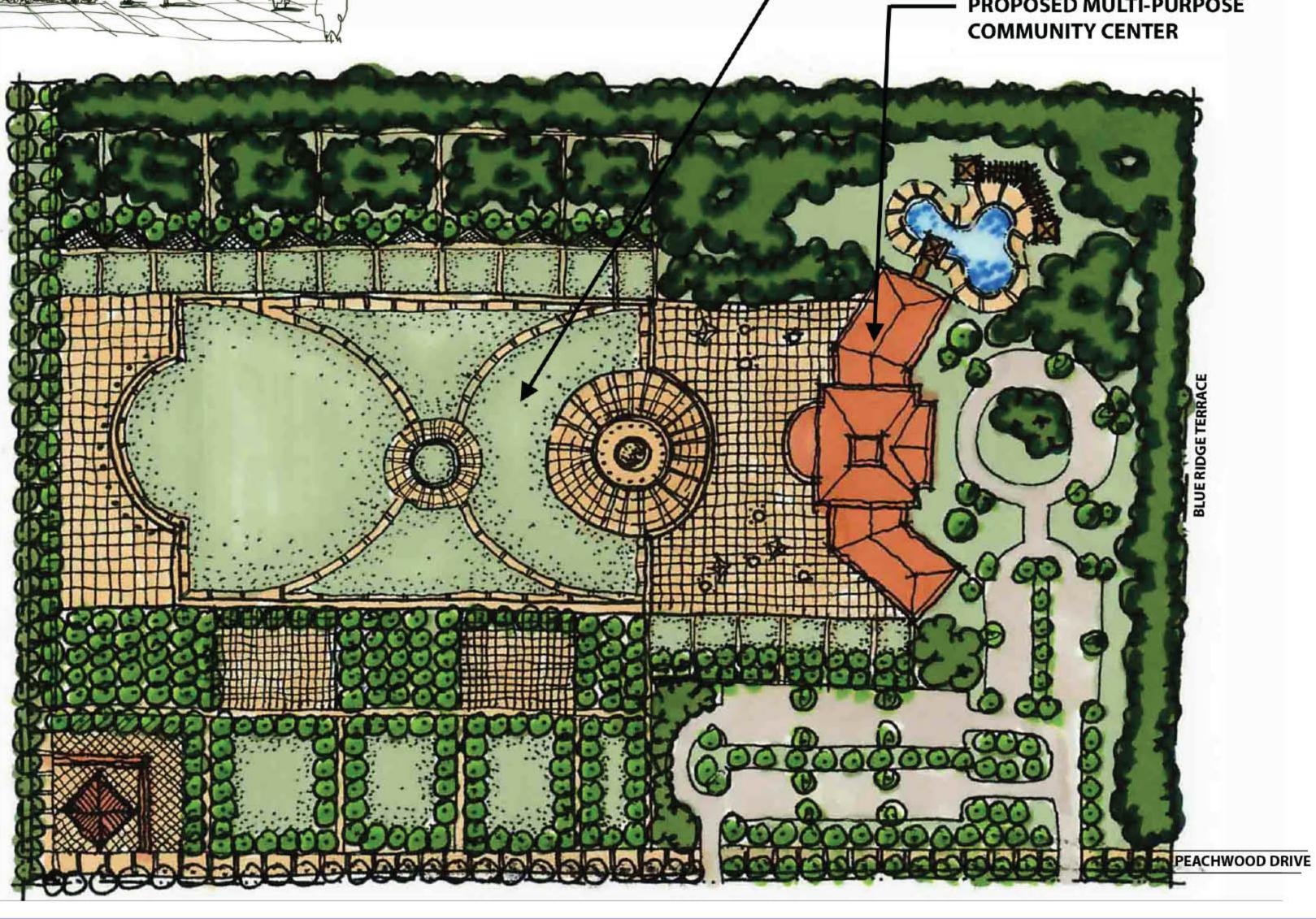
Multi-purpose Community Center Perspective

CATALYST 7 TOOLS

- -Richland County Recreation Foundation Funding
- -Richland County Neighborhood Grants
- -Local Area Business Donations
- -Richland County Cultural Arts Groups
- -Richland County Community Involvement Groups
- -Columbia Action Council Funding
- -Tax Allocation District
- -Community Improvement District
- -Richland County Department of Education Funding

PROPOSED PUBLIC SPACE

The catalyst next to Forest Heights Elementary School is a large public space with a community green, multi-purpose center and a collection of small formal parks. The park will serve as the front yard of the community. It will be the location for neighborhood festivals, family gatherings, and afternoon strolls. A people place where one and all will meet, see, and greet their friends and neighbors. The type of space will create the identity of Crane Creek because of the proposed road running along the east side of the development will create a connection to multiple neighborhoods and can be used by all of the Crane Creek neighborhoods.





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PROPOSED COMMUNITY GREEN

PROPOSED MULTI-PURPOSE











CIRANNE CIREEK COMMUNICITY STREET SIGN

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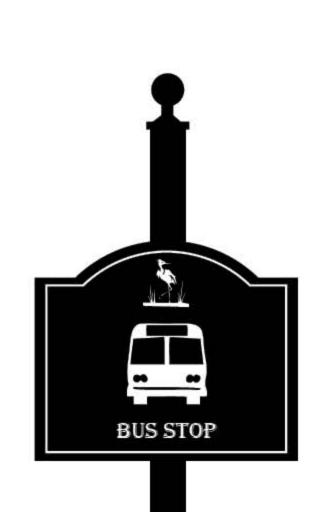


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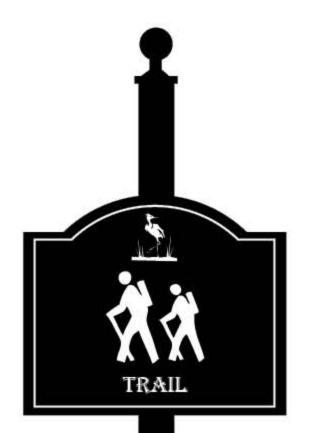




CIRALINIE CIRIEIEK COMMUNITY BUS STOP SIGN



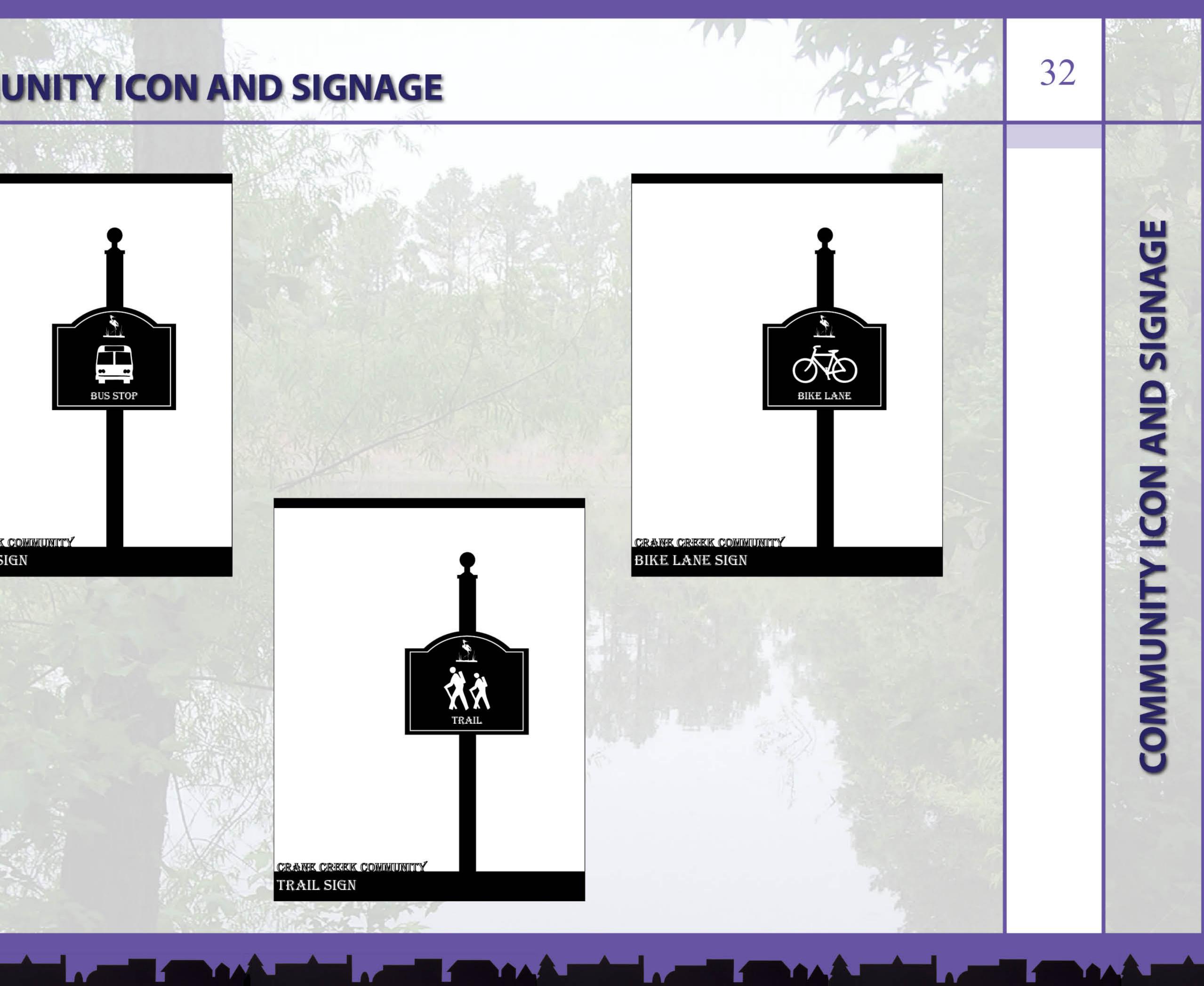




CIRALNIE CIRIEIEK COMMUNITY

TRAIL SIGN

CIRANNE CIRELEK COMMUNITY BIKE LANE SIGN



PEDESTRIAN ORIENTED STREETSCAPE

KEY ELEMENTS TO MAKE A PLACE WALKABLE

- Destinations that attract people
- Community is built at a pedestrian scale
 - distances are short enough to walk
 - buildings are close to the sidewalk
- Pedestrians are reachable and interconnected
- - eyes on the street
 - safe traffic speed
 - shelters at frequent intervals

PEDESTRIAN METHODS TO MAKE CONNECTIONS

- Universal Access (ADA)
- Sidewalk
- Bike lanes and bike paths



• Pedestrians feel safe from crime, traffic, and weather conditions

(Source: Creating Walkable Places. ULI.)









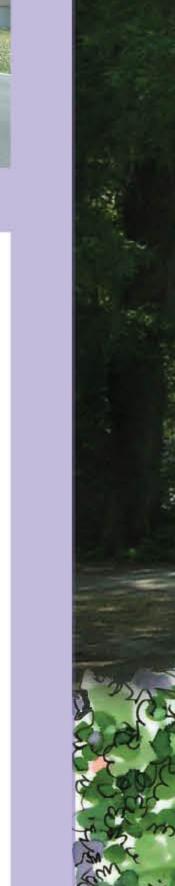






BEFORE

















SOCIAL PLACES

Social spaces allow a sense of belonging to an identifiable place and to an active public realm

EXAMPLES OF SOCIAL SPACES

- Parks
- Plazas
- Other Public Places

STANDARDS OF SOCIAL SPACES

- Welcoming
- Safe
- Attractive

KEY ELEMENTS OF SOCIAL SPACES

Active

- Provide ample and comfortable seating areas
- Connection to Streets
- Convenient location
- Equipment for both passive and active recreation

SOCIAL SPACES SHOULD BE PLANNED AND DESIGNED TO PROMOTE COMMUNITY **INTERACTION AND FACILITATE PROGRAMMING OF NEIGHBORHOOD EVENTS**





PART 3: **ACTION PLAN**

The Action Plan section consists of 6 goals: Preservation of existing single-family neighborhoods; Reinvent the image of the Crane Creek Community; Develop supportive local retail services and limit industrial zone expansion; Increase community recreational facilities; Preserve existing wetlands and green corridors and create a community open space network; Increase sustainable community educational services. These goals were a combined effort from community member input, county input and design team knowledge. These goals create plan of action for the Crane Creek community to be a community people will love to call home.

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ACTION PLAN

To translate a future vision for the Crane Creek community into actual implementation an Action Plan must be created to make the master plan a reality. The Action Plan for the Crane Creek Neighborhood is based on six goals which are sequential and attainable. These goals, when accomplished, will lead to a redevelopment of the neighborhood and a strengthening of the underlying community and the values it cherishes.

1. Action Items

Preservation of existing single-family neighborhoods

- o Code Enforcement and Regulatory Enhancements
- o Improve infrastructure
 - - 1- Repair and repave existing roads.
 - 2- Pave all existing dirt roads within the neighborhood
 - spaces.

 - none.
- o Rehabilitation of existing homes/New Development that are allowed in the neighborhood.

The first step in re-inventing any area is to arrest the slide into blight and stabilize the area. While much of Crane Creek is in good condition there are areas where substandard housing, dilapidated structures, vacant homes and lack of adequate public services are evident. Code enforcement is a strong tool in the first phases of the redevelopment process. There should be increased patrols in the project area by code enforcement personnel to detect, identify and cite properties which are not in compliance with the requirements of the county planning and zoning codes and building codes. A strong enforcement effort will help to bring the structures in the area up to an acceptable minimum standard which will show those people who are attempting to keep their properties in good condition that the county cares about their efforts and will provide them with support. This effort must be shared in by the people who live in the area. Their role will be to maintain their properties and report those who do not to the code enforcement officials.

A comprehensive program should be developed to bring all of the public roads and utilities up to acceptable standards.

3- Create logical road connections that enable each neighborhood to have better connectivity to other neighborhoods and public

4- Repair and replace substandard sanitary sewer systems in the project area.

5- Improve the storm water systems in the area and add new system elements in those areas of the neighborhood where there are

Devise and adopt an overlay zoning district for Crane Creek which will help to control the architectural style and development types

ACTION PLAN

1. Action Items, continued

- walk from a park space.
 - nature with trails, picnicking, and established activity nodes.
- o Strengthen community association and leadership have an effect on the area.

Reinvent the image of Crane Creek Community

- o Establish Crane Creek Community Icon/Identification
- o Build Community Gateway Monuments
- o Develop a Community Marketing Campaign
- o Create Community Volunteer Team for cleanup

Develop supportive local retail services and limit industrial zone expansion

- o Provide retail services along primary road corridors
- o Develop neighborhood retail services
- o Regulatory enhancement to limit industrial growth

Increase community recreational facilities

- o Create community social space and provide recreational facilities
- o Identify issues/needs within existing parks
- o Acquire areas for new parks

- o Conduct Environmental Assessment of existing wetlands along Crane Creek
- o Set up conservation area for existing wetlands and green corridors
- o Create trail network linking community open space
- o Identify funding sources



o Infill development for vacant lots; build community park inside each neighborhood 1-Acquire vacant lots in each neighborhood and develop them into small public parks. No resident should be more than a 15 minute

2-Acquire and develop the open space areas along crane Creek to develop a major neighborhood park. This park will be passive in

The Neighborhood planning division will work with the existing residents associations to train the members for leadership roles. The existing leadership should be encouraged to take an active role in dealing with County Council, SCDOT, and other agencies that

o Create a pedestrian oriented mixed-use area for regional retail service and diversifying services

<u>Preserve existing wetlands and green corridors and create community open space network</u>

ACTION PLAN

1. Action Items, continued

Increase Sustainable Community educational services

- o Provide community cultural programs and events
- o Set up environmental education programs with local schools
- o Set up interpretive signs along trails

2. Funding Options

Richland County has many options for funding. In this report there are some options listed to serve as a starting point to help make the plan into a reality. The options given are compiled of grants, tax allocations, and developer incentives.

• Public/Private Partnerships- Richland County should consider public/private partnerships to get developers interested in the areas in need. The county would cover certain development fees and cover certain infrastructure improvements as an incentive to bring in developers.

Tax Allocation District (TAD)- The tax allocation district is a district with district boundaries within which any increase in property tax • revenues brought on by new development of public upgrades to the area infrastructure are allocated to finance new public improvement within the district.

Community Improvement District- A Community Improvement District (CID) may be either a political subdivision or a not-for-profit corporation. CID's are organized for the purpose of financing a wide range of public-use facilities and establishing and managing policies and public services relative to the needs of the district.

 Richland County Recreation Foundation Funding- Richland County Recreation Foundation assists the Richland County Recreation Commission in its efforts to create and connect community through people, parks, and programs. Quality recreation facility programs and activities for county residents are the result of a solid investment of tax dollars which can be enhanced through the generous support of the business community.

South Carolina Recreation & Parks Association- South Carolina Recreation & Parks Association, through many sponsors, promotes parks and recreational opportunities and quality of life to all the people of South Carolina.



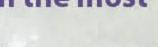


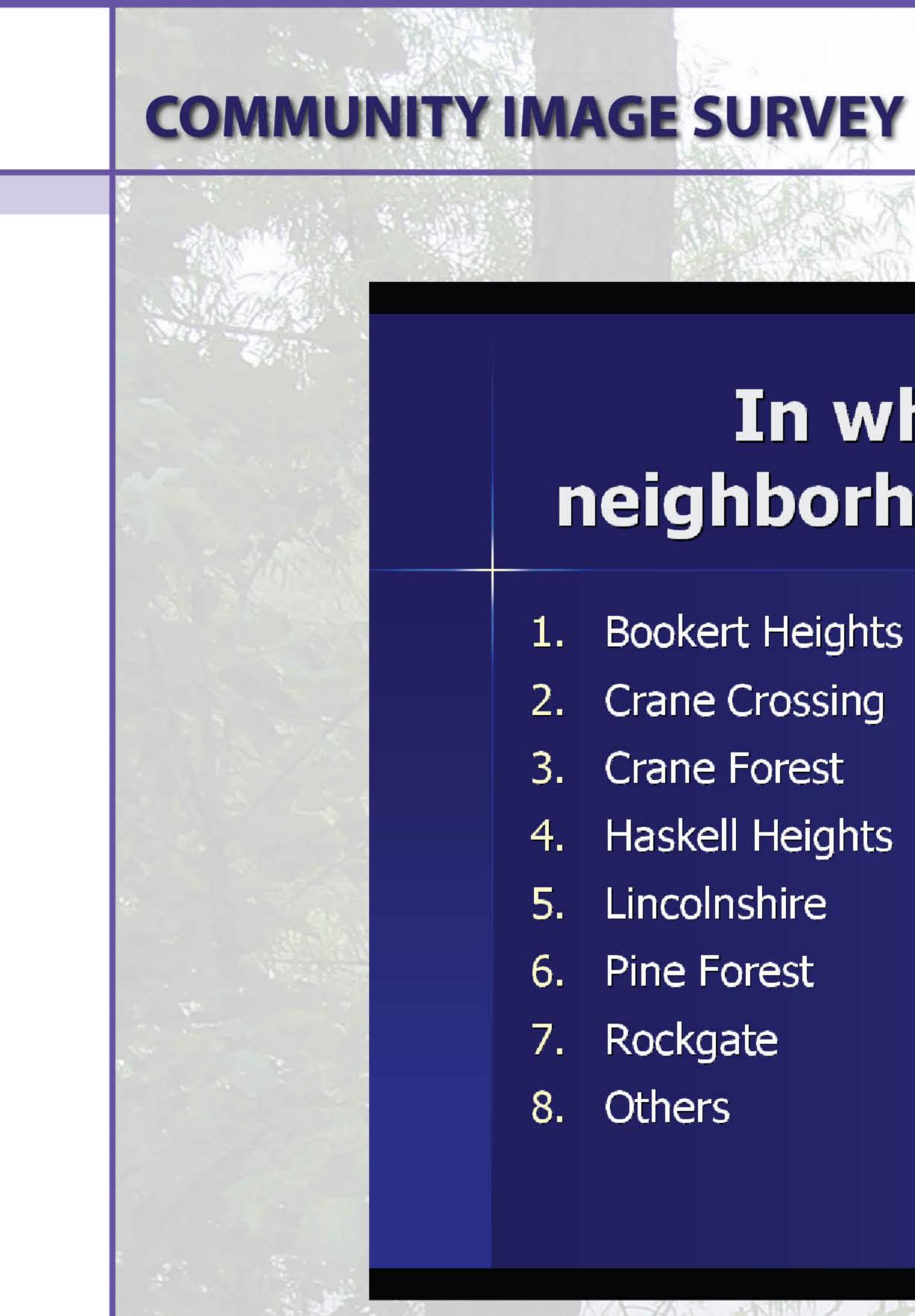
PART 4:

The Visual Preference section consists of a survey from a series of pictures in which community members vote on which images seem the most appropriate for their neighborhood. There were images in the subject of single-family residential, multi-family residential, retail, office, industrial, parks & greenways, streetscapes and mixed-use developments.

COMMUNITY IMAGE SURVEY

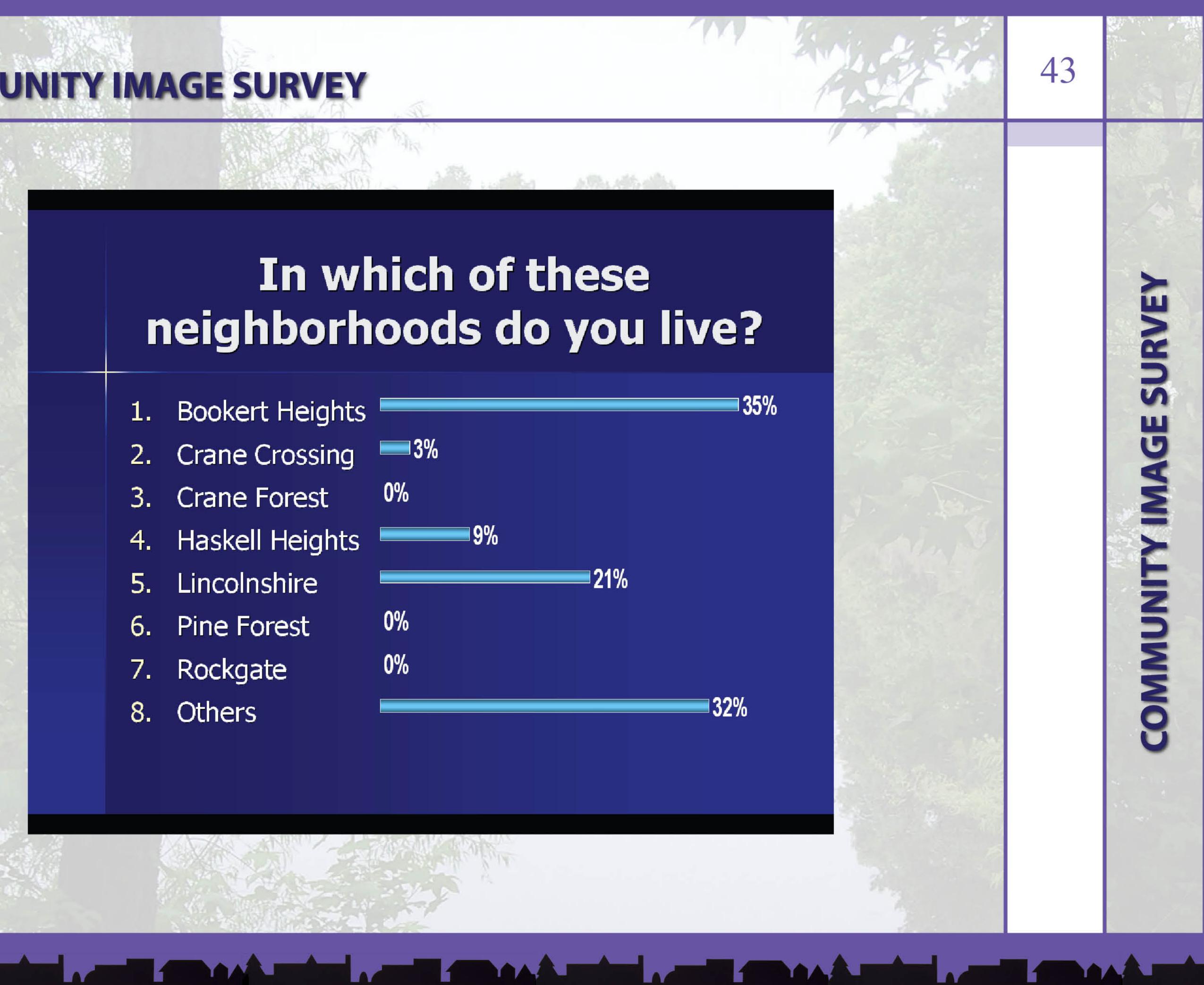






In which of these

3%	35%
0% 9%	
970 21%	
0%	
0%	



SINGLE FAMILY RESIDENTIAL - GROUP 1: LOW DENSITY







SINGLE FAMILY RESIDENTIAL - GROUP 2: MEDIUM DENSITY



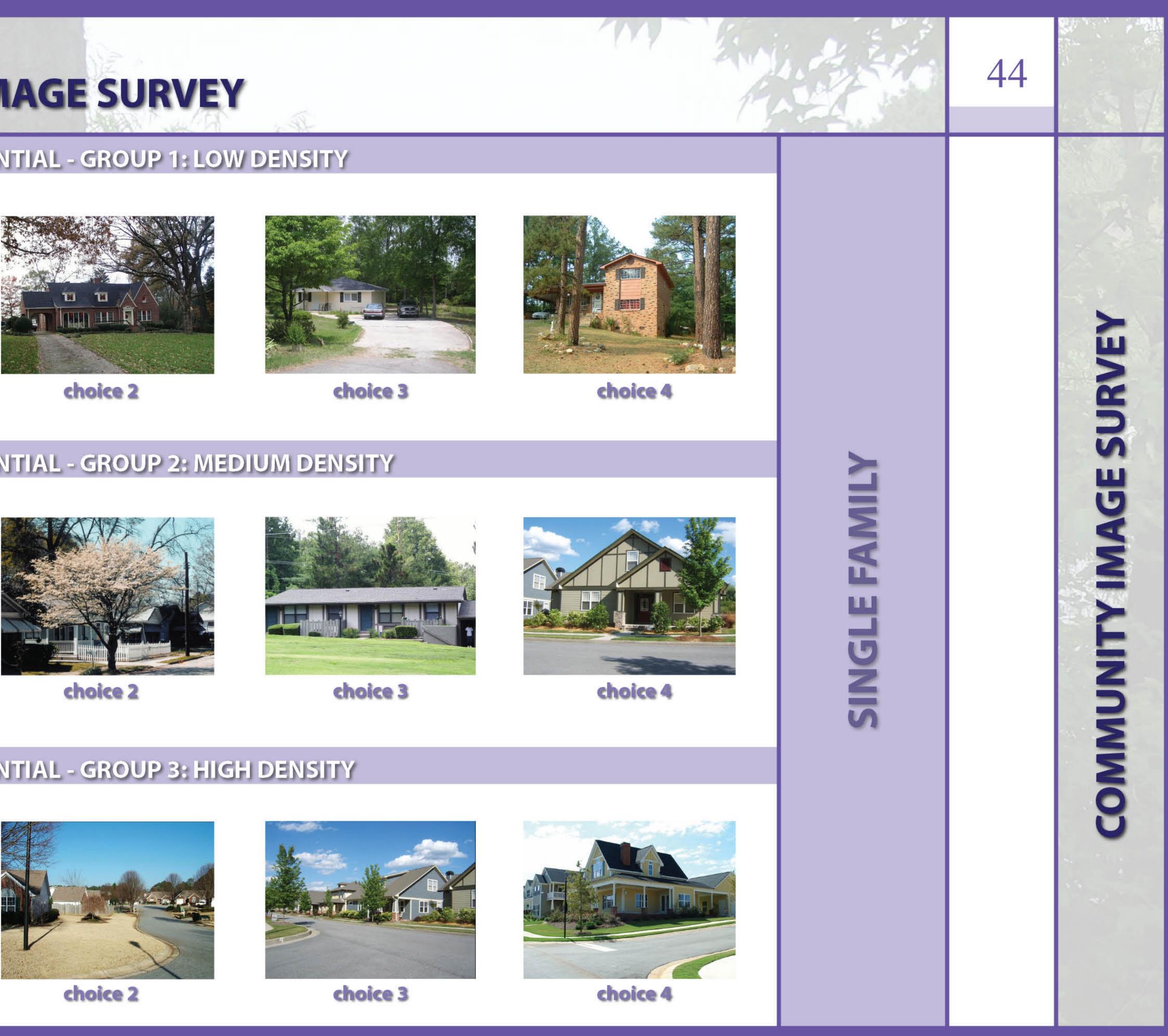
choice 1



SINGLE FAMILY RESIDENTIAL - GROUP 3: HIGH DENSITY

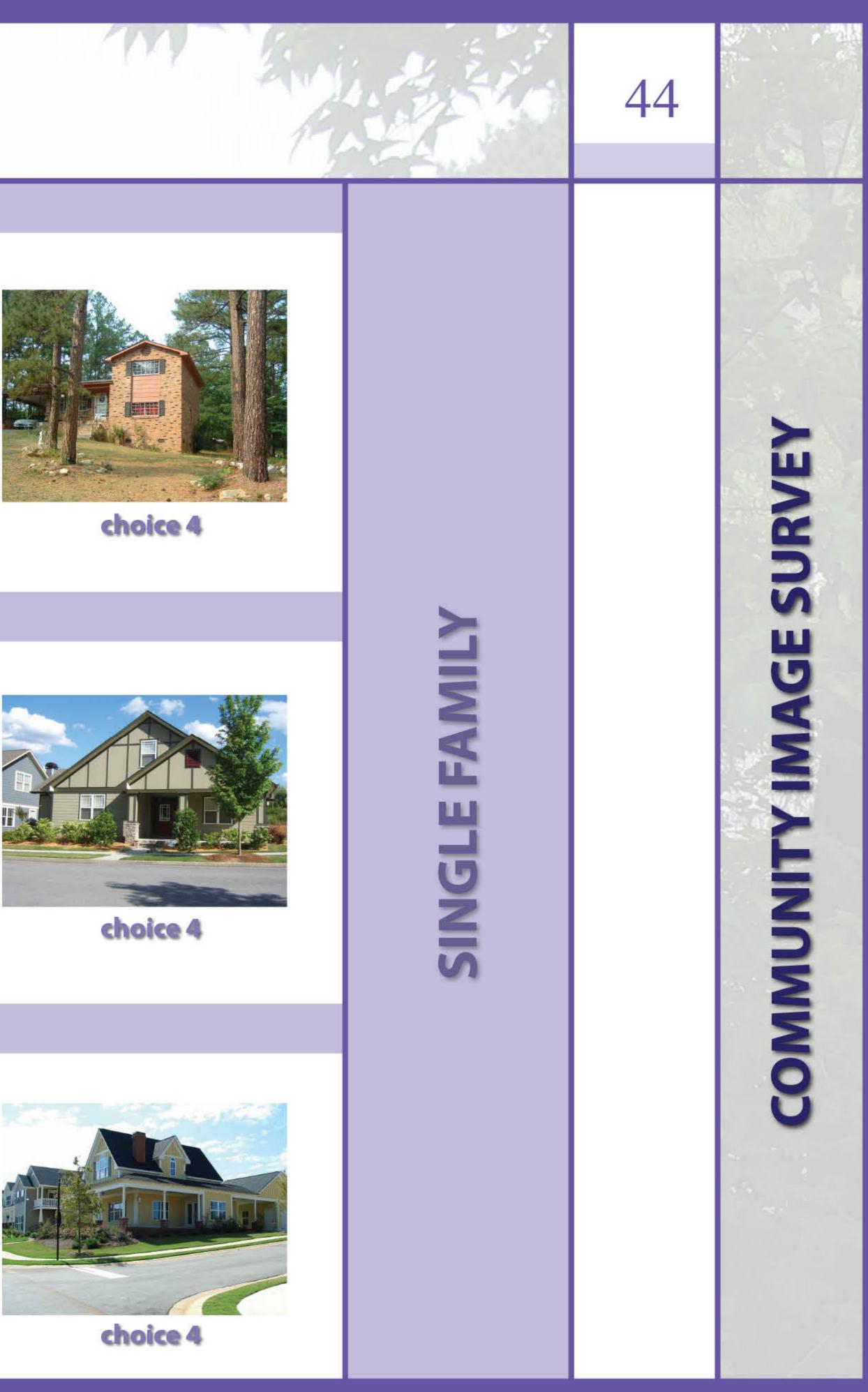


choice 1

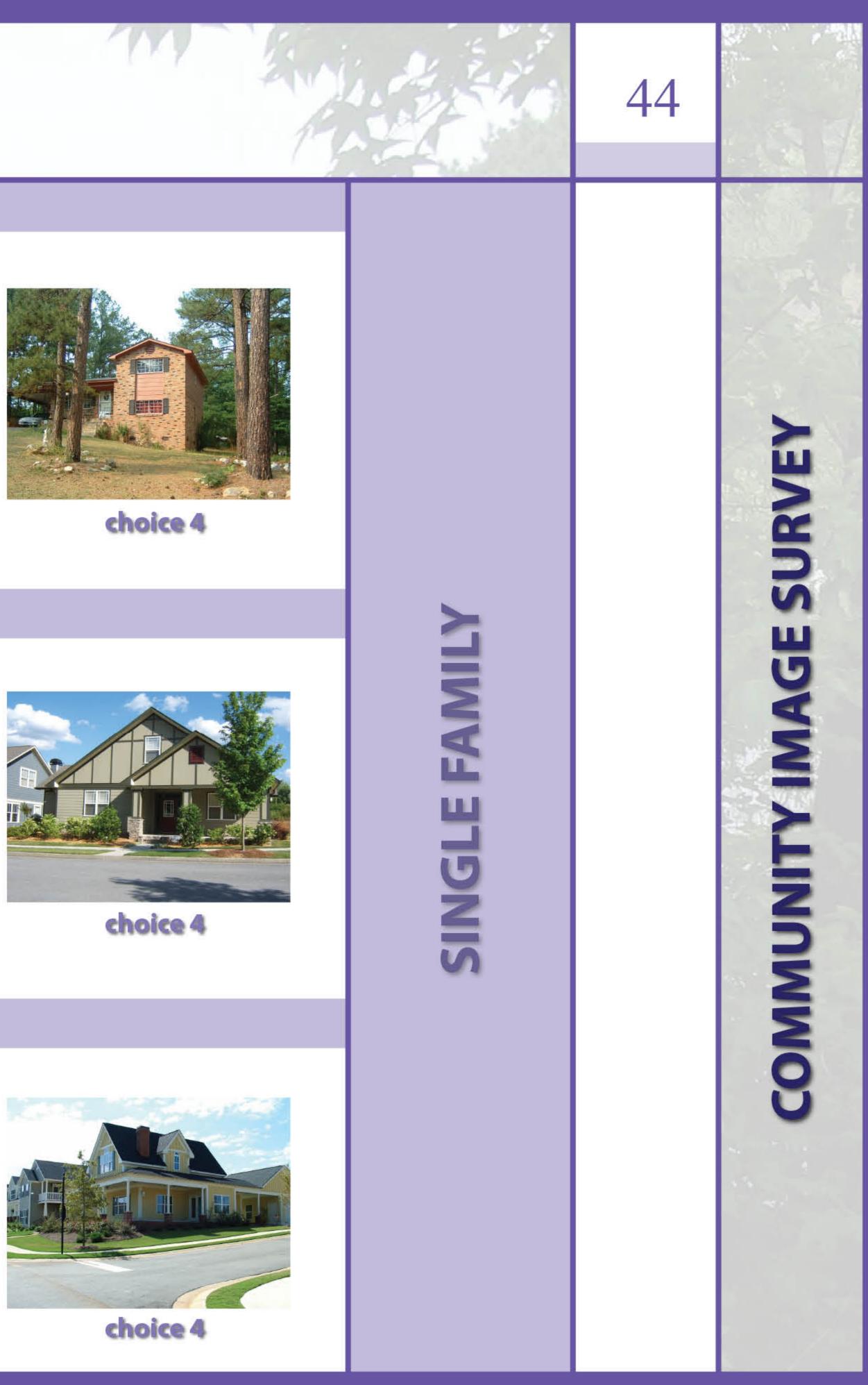


















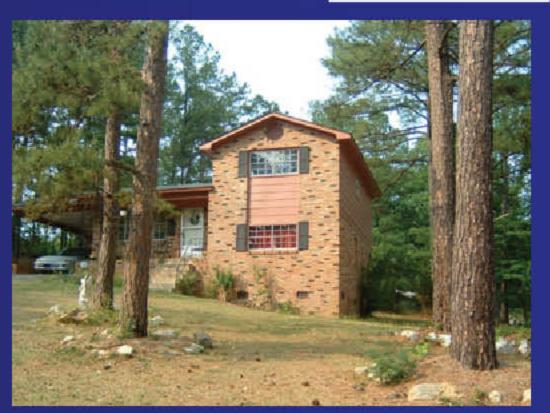
Single-Family Residential: **Group 1 – Low Density**



(1) = 44.1%



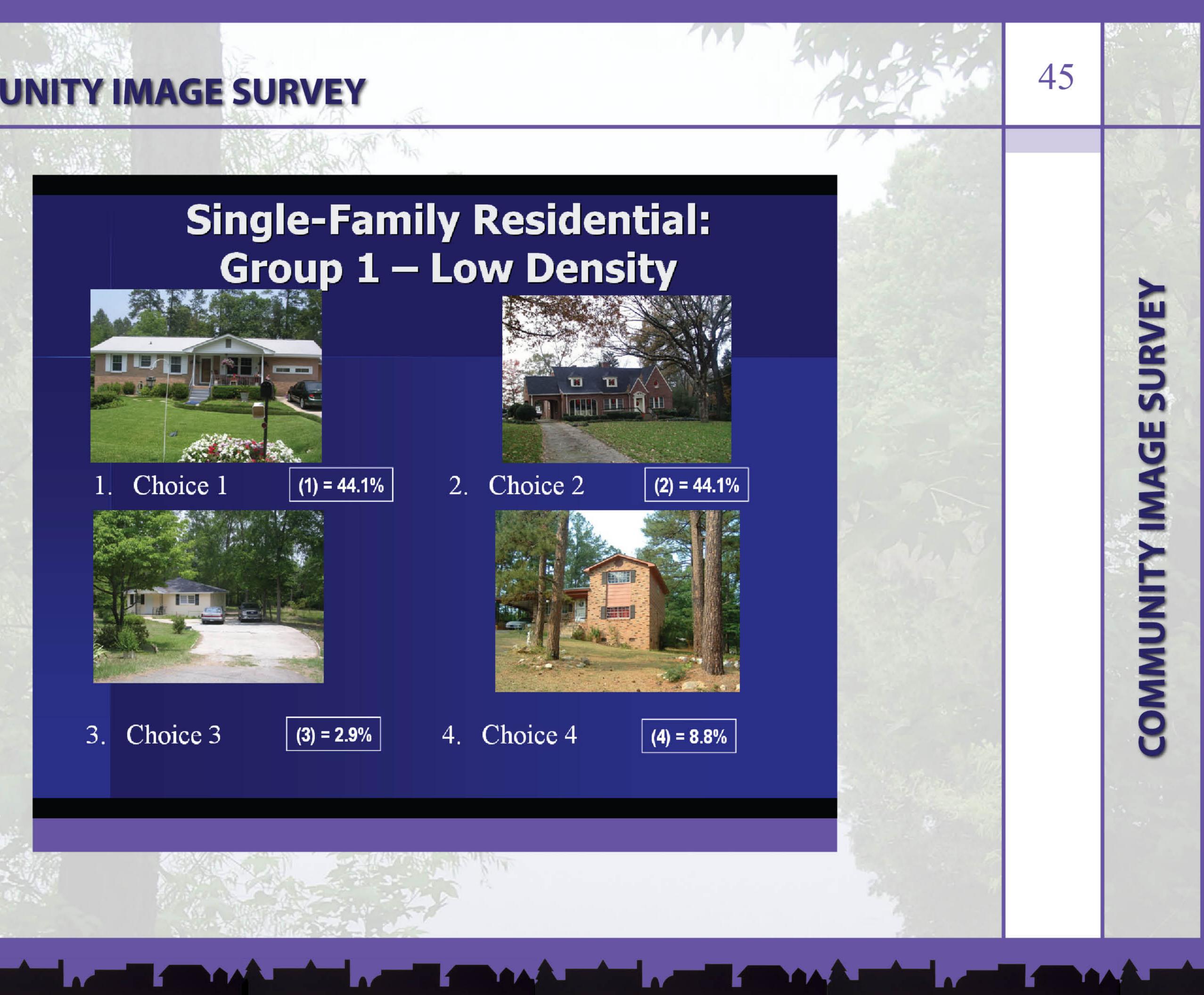
(2) = 44.1%



(3) = 2.9%

4. Choice 4

(4) = 8.8%







Choice 1].



Choice 3 3.



Single-Family Residential: **Group 2 – Medium Density**

(1) = 14.7%



2. Choice 2

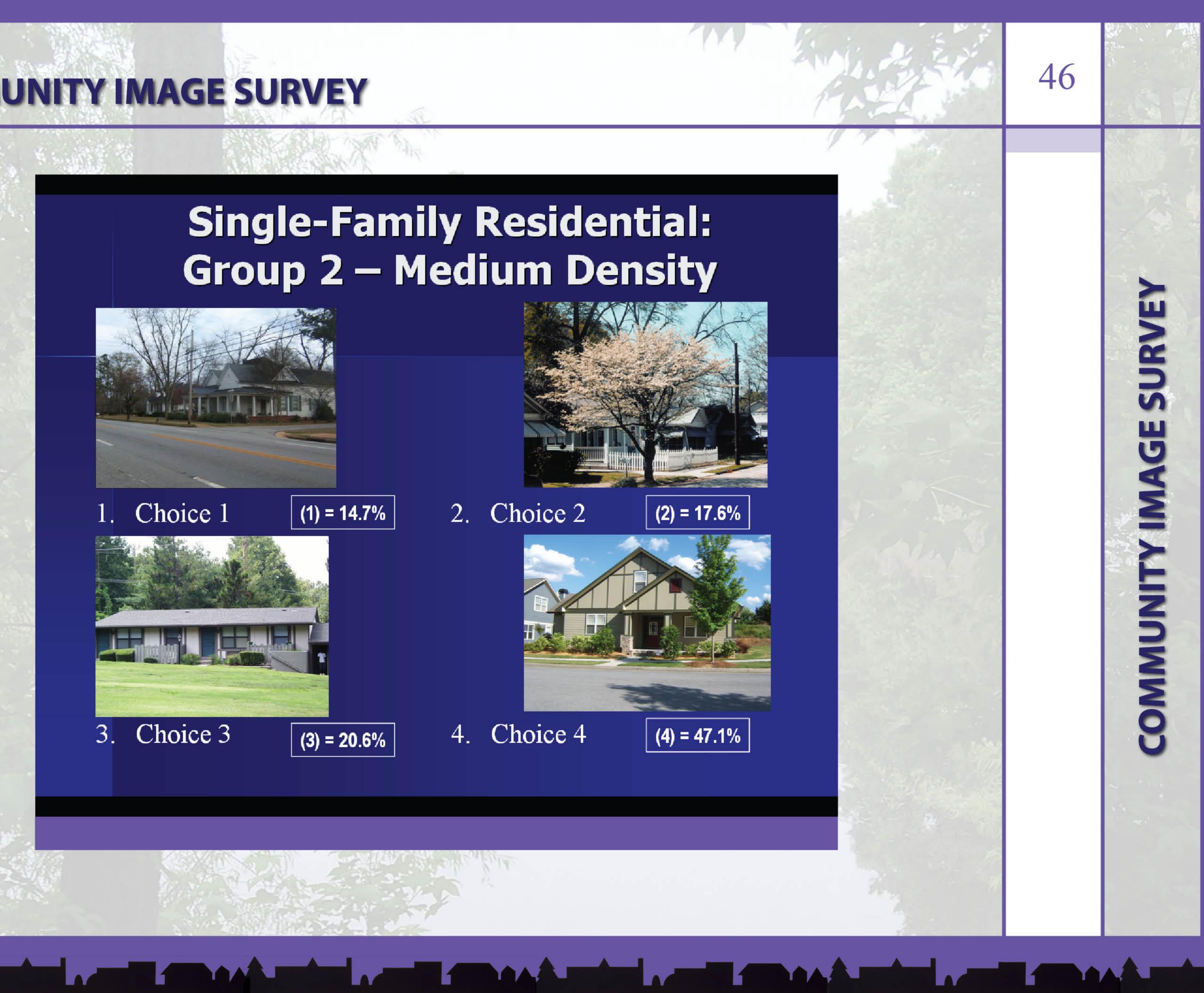
(2) = 17.6%

(3) = 20.6%



4. Choice 4

(4) = 47.1%







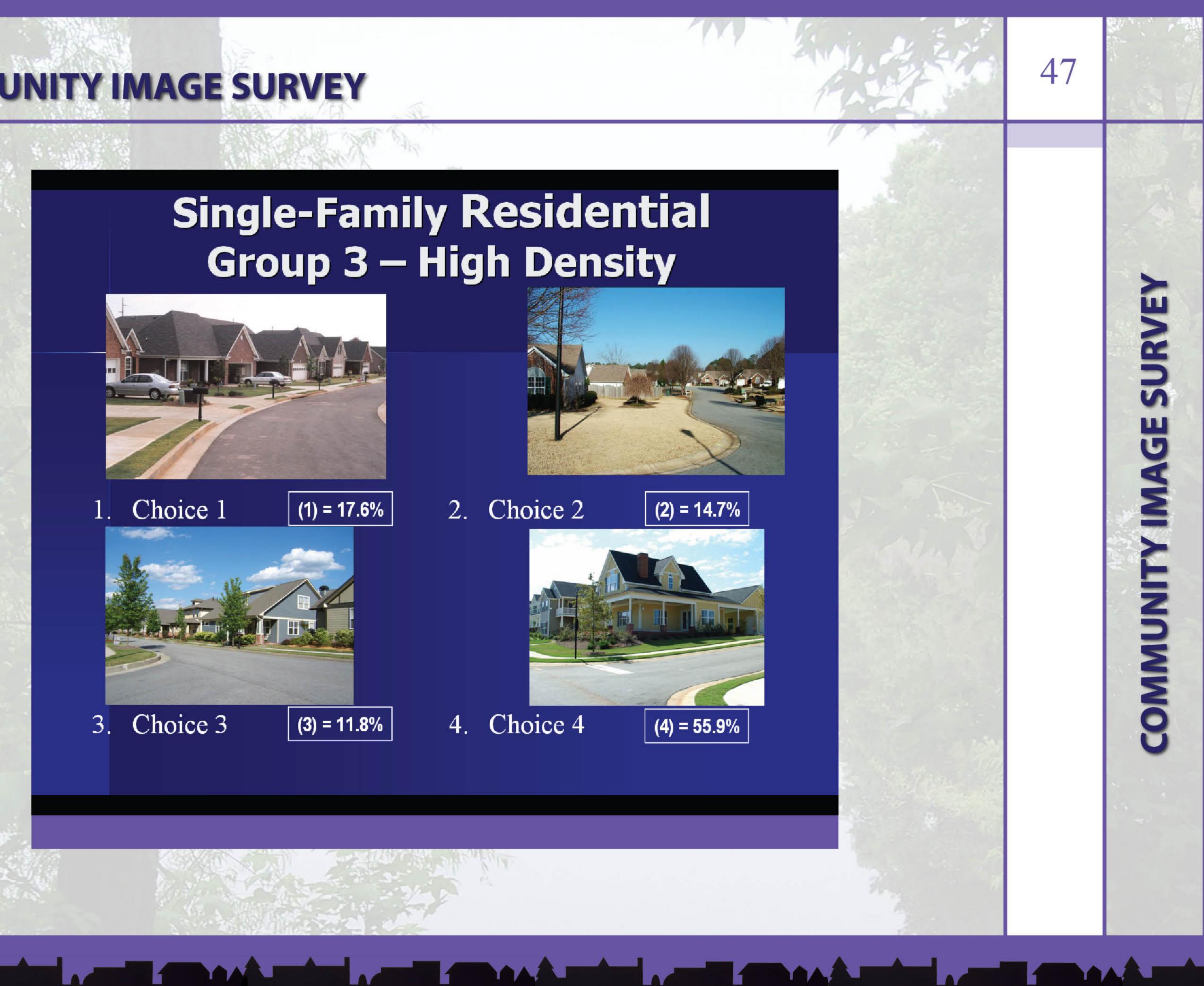
Single-Family Residential **Group 3 – High Density**



(1) = 17.6%



(3) = 11.8%



2. Choice 2



4. Choice 4

TOWNHOMES



choice 1



MULTIFAMILY RESIDENTIAL



choice 1





choice 2



choice 3

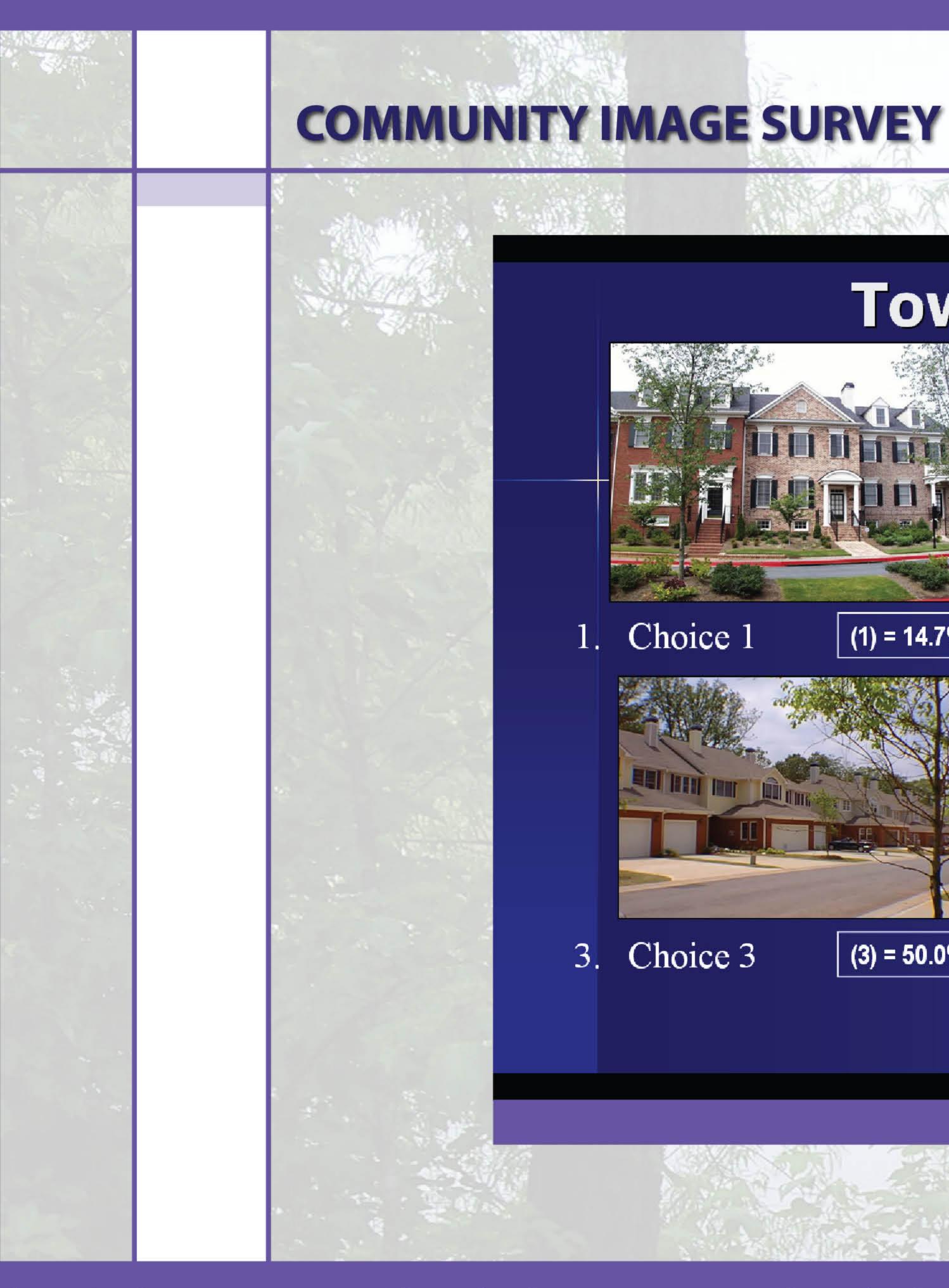


choice 2



choice 3







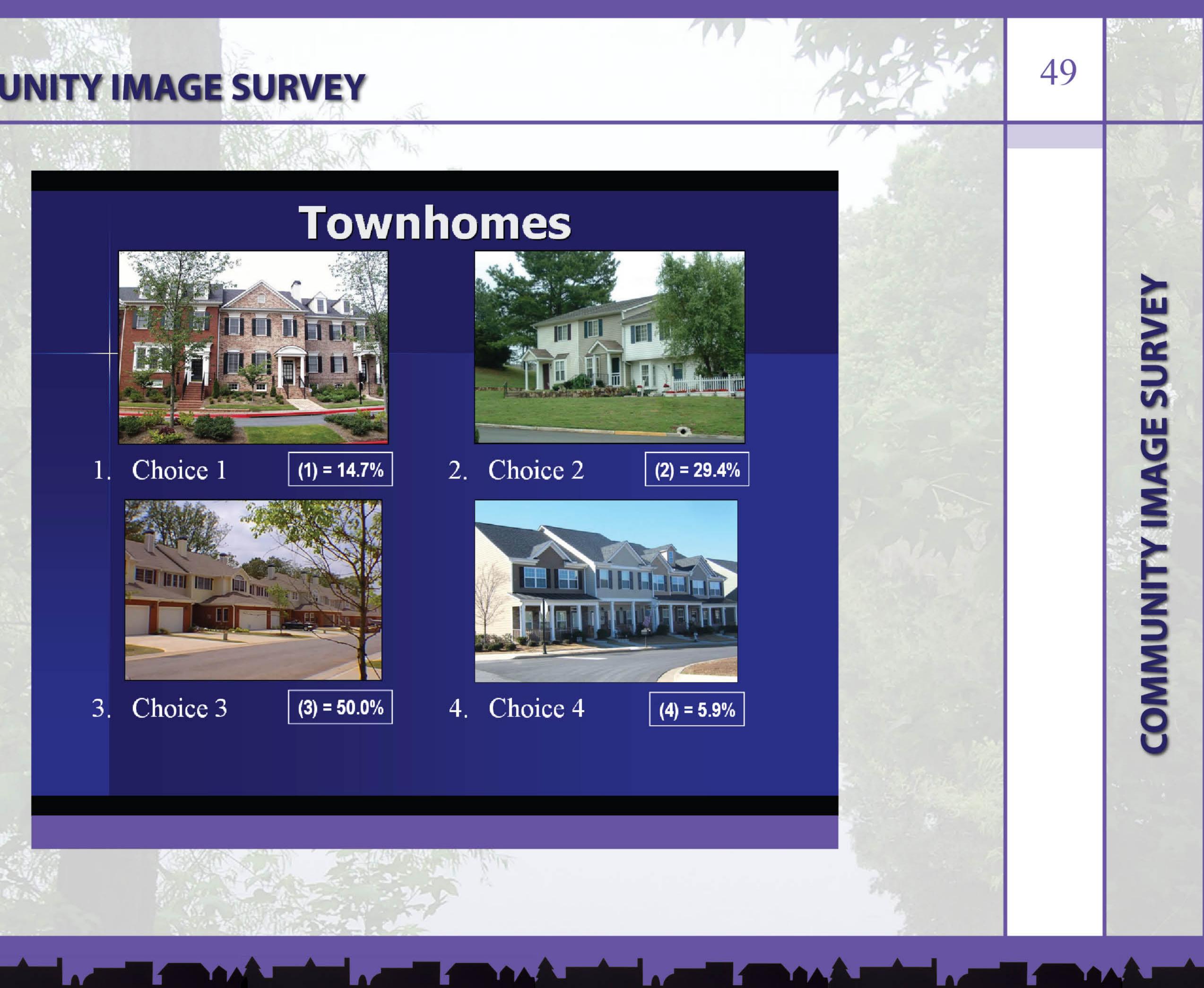
















1. Choice 1

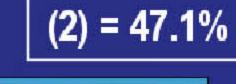


3. Choice 3

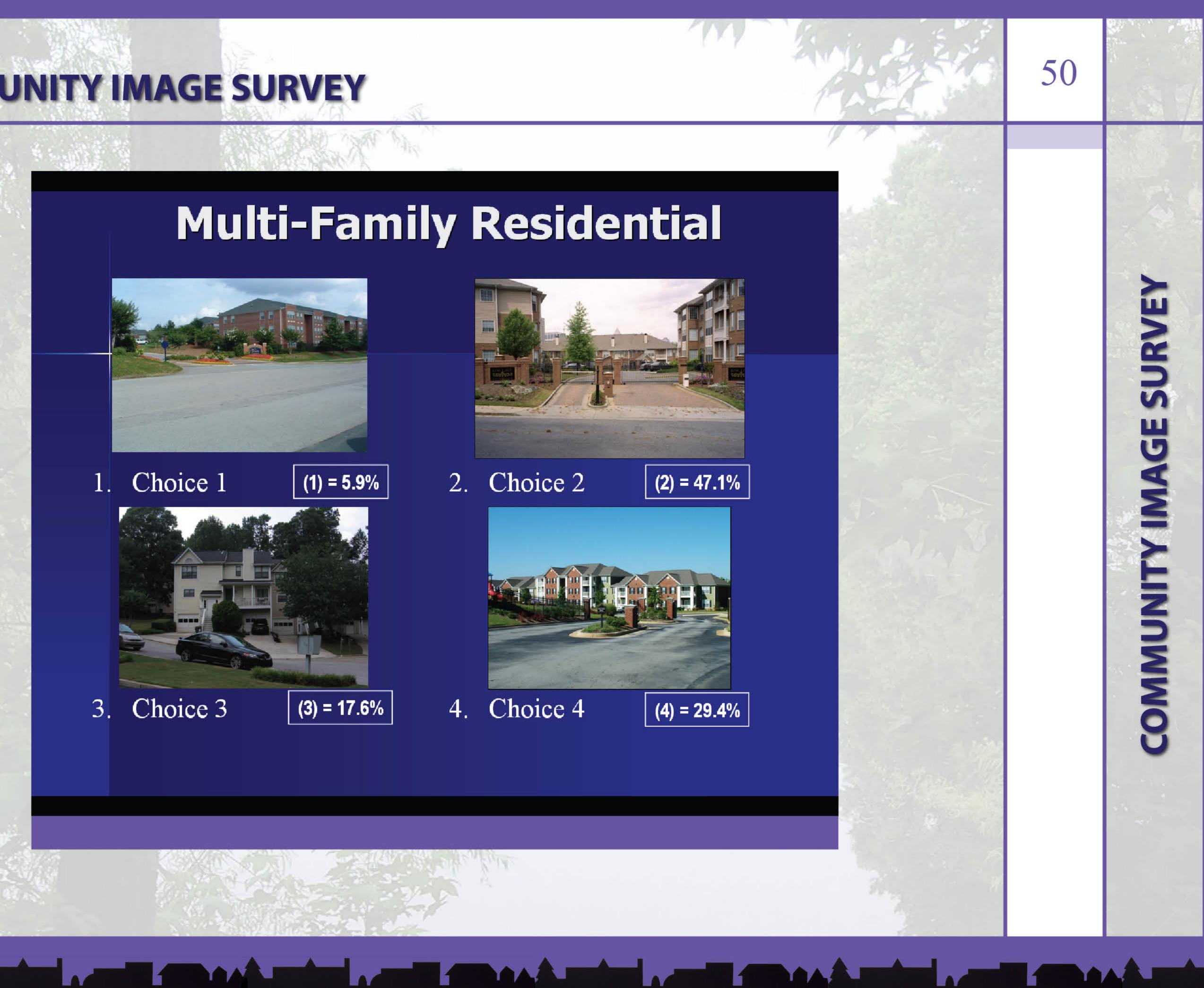


Multi-Family Residential









RETAIL - GROUP 1



choice 1



RETAIL - GROUP 2



choice 1





choice 2



choice 3



choice 2



choice 3









Choice 1 1.



3. Choice 3

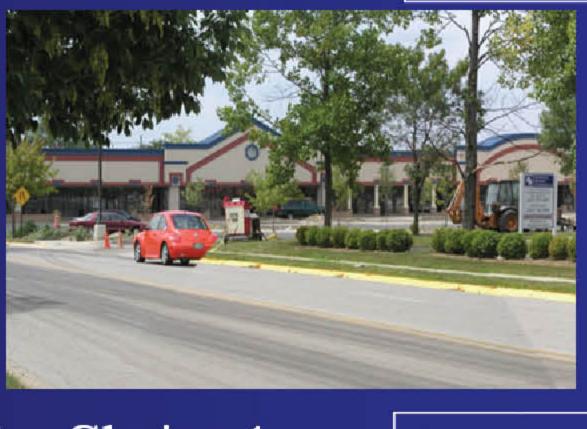


Retail: Group 1

(1) = 2.9%



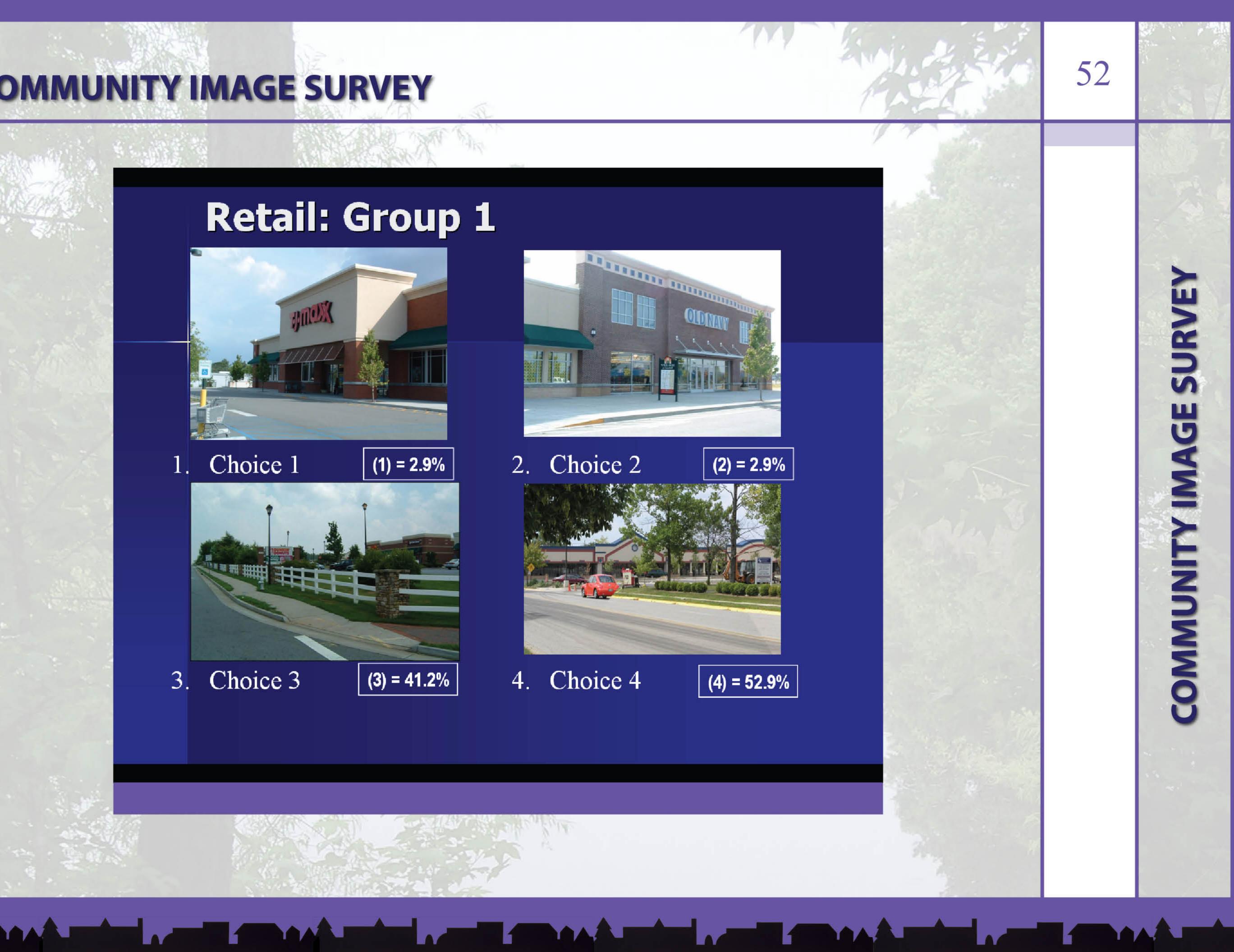
2. Choice 2



4. Choice 4

(4) = 52.9%

(2) = 2.9%





COMMUNITY IMAGE SURVEY



Choice 1 1.



Choice 3 3.



Retail: Group 2

```
(1) = 54.3%
```



2. Choice 2



4. Choice 4





OFFICE - GROUP 1: LARGE SIZE OFFICE



choice 1



OFFICE - GROUP 2: SMALL SIZE OFFICE



choice 1



choice 2



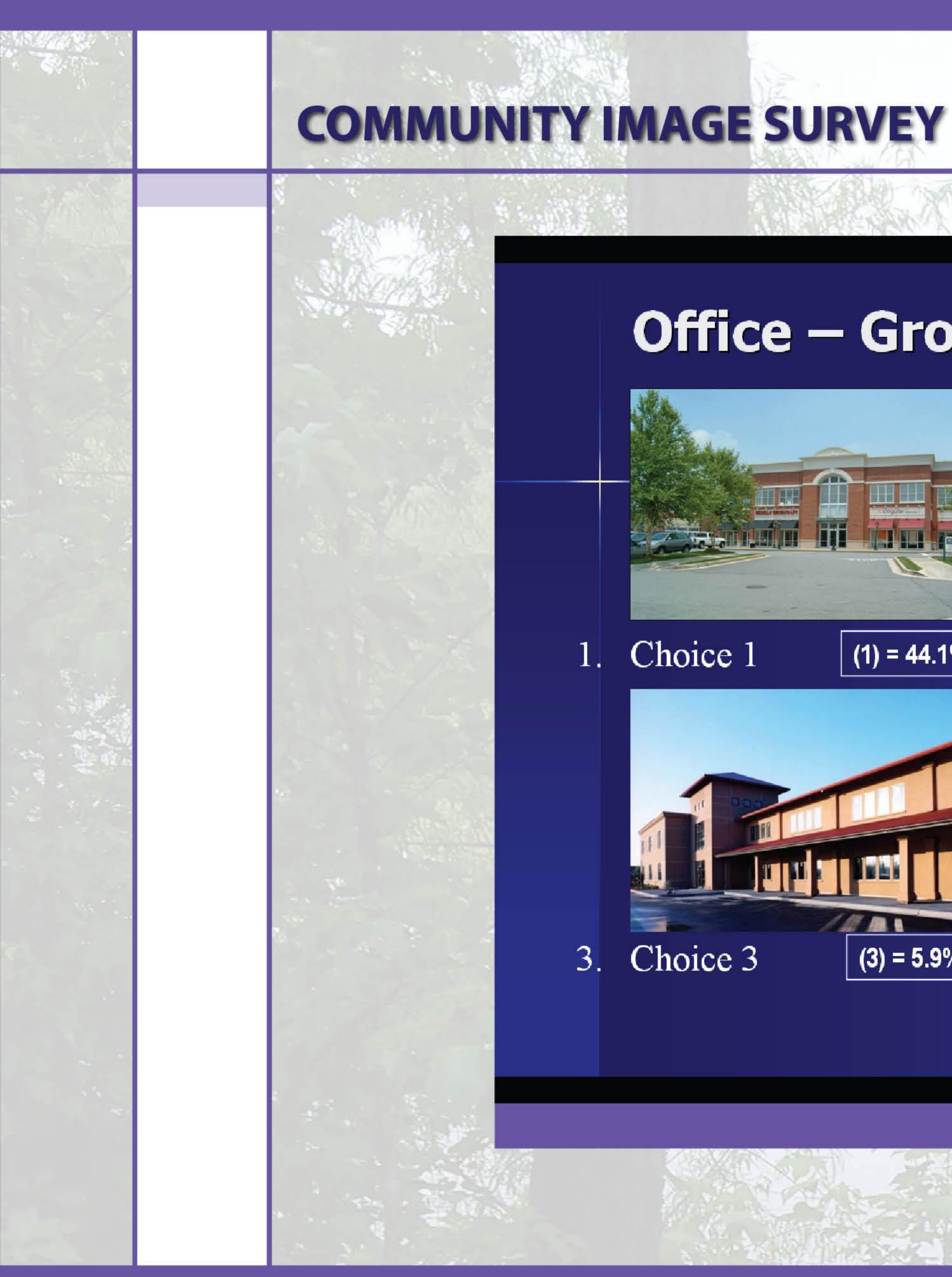
choice 2

choice 3



choice 3

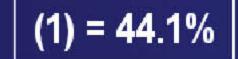




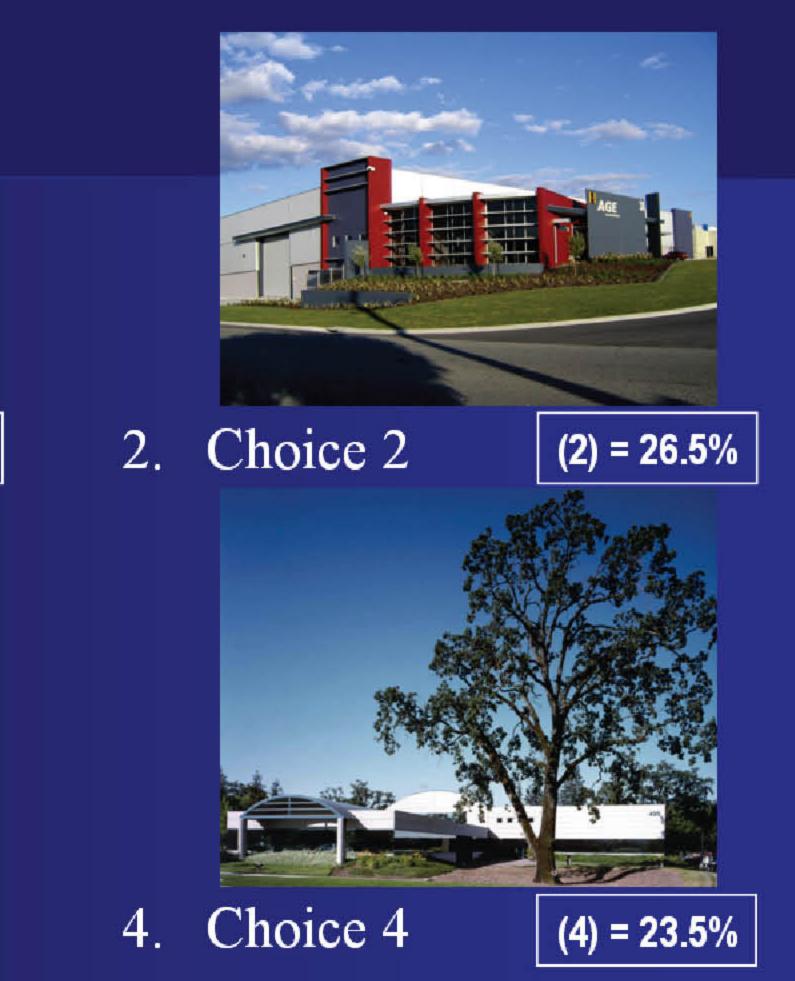


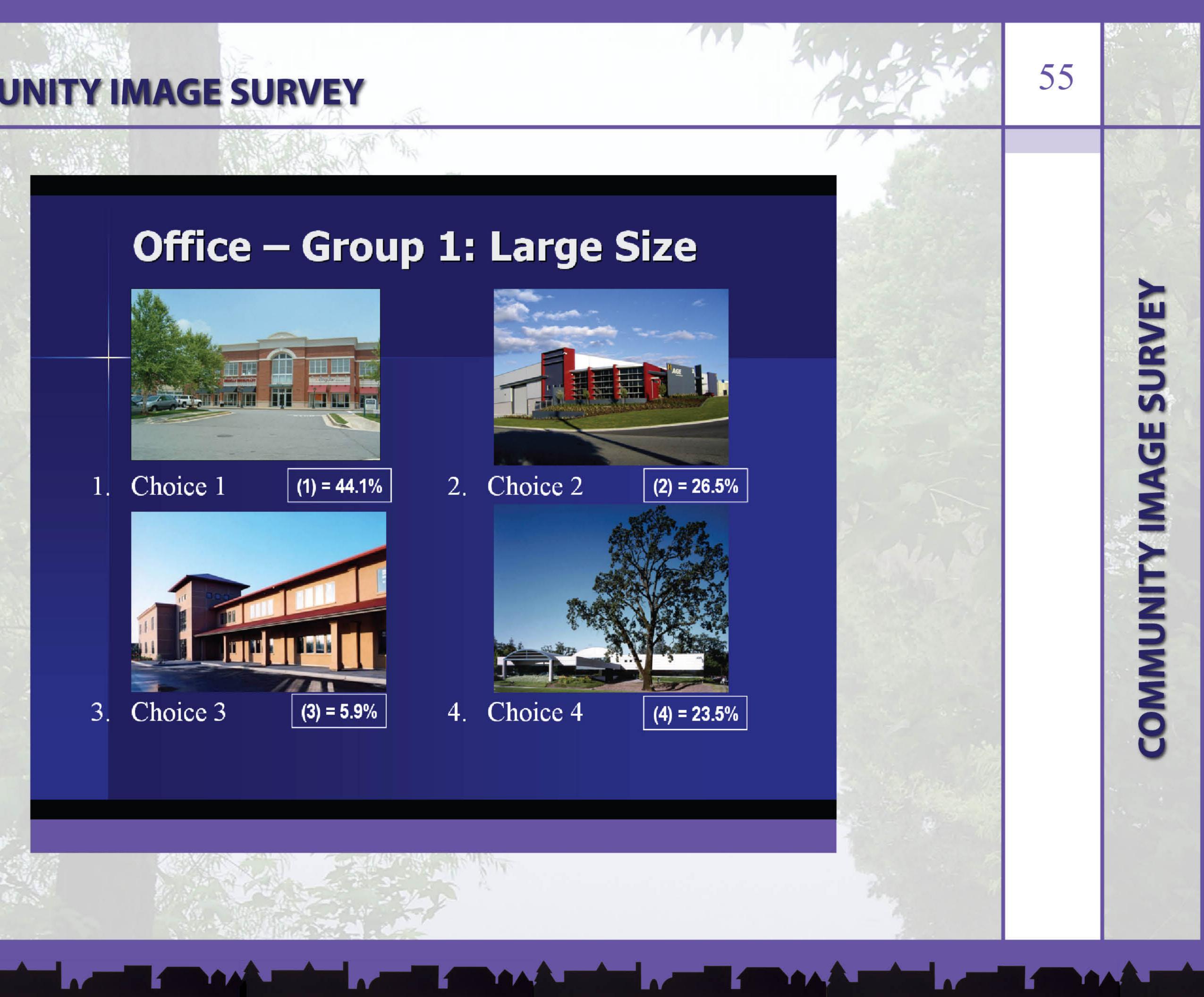
Office – Group 1: Large Size

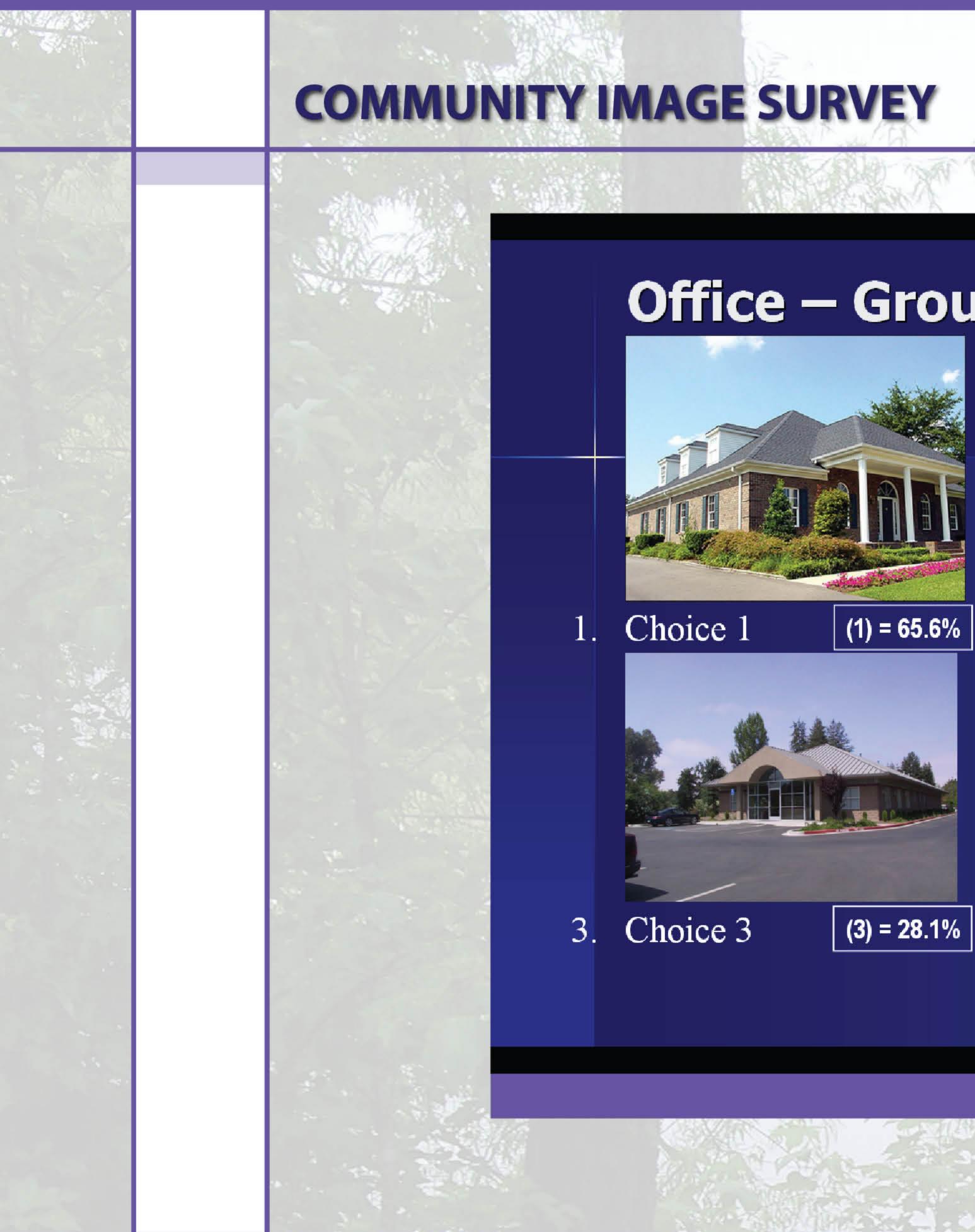




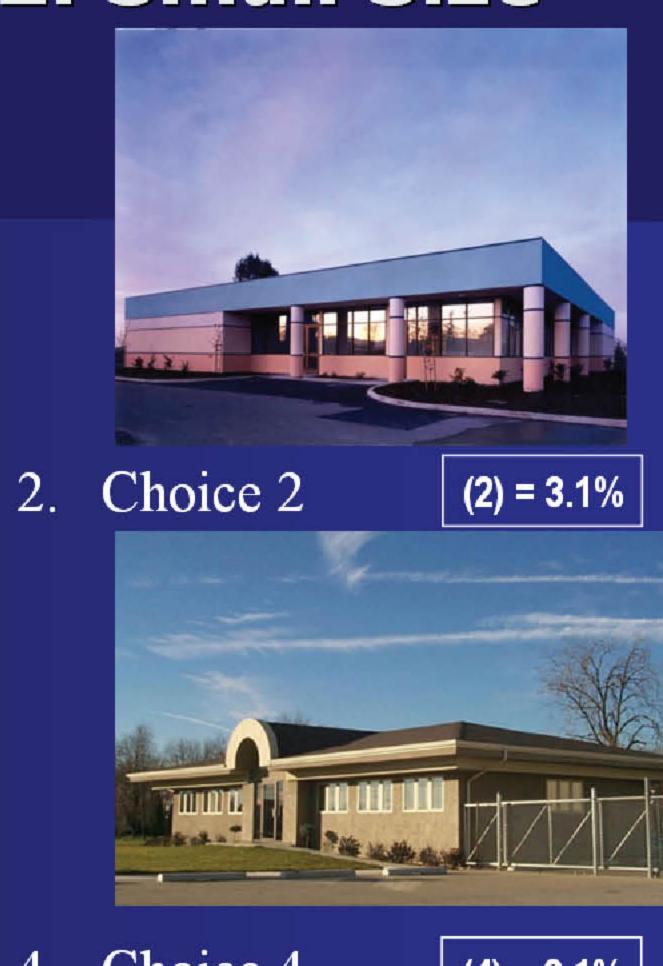






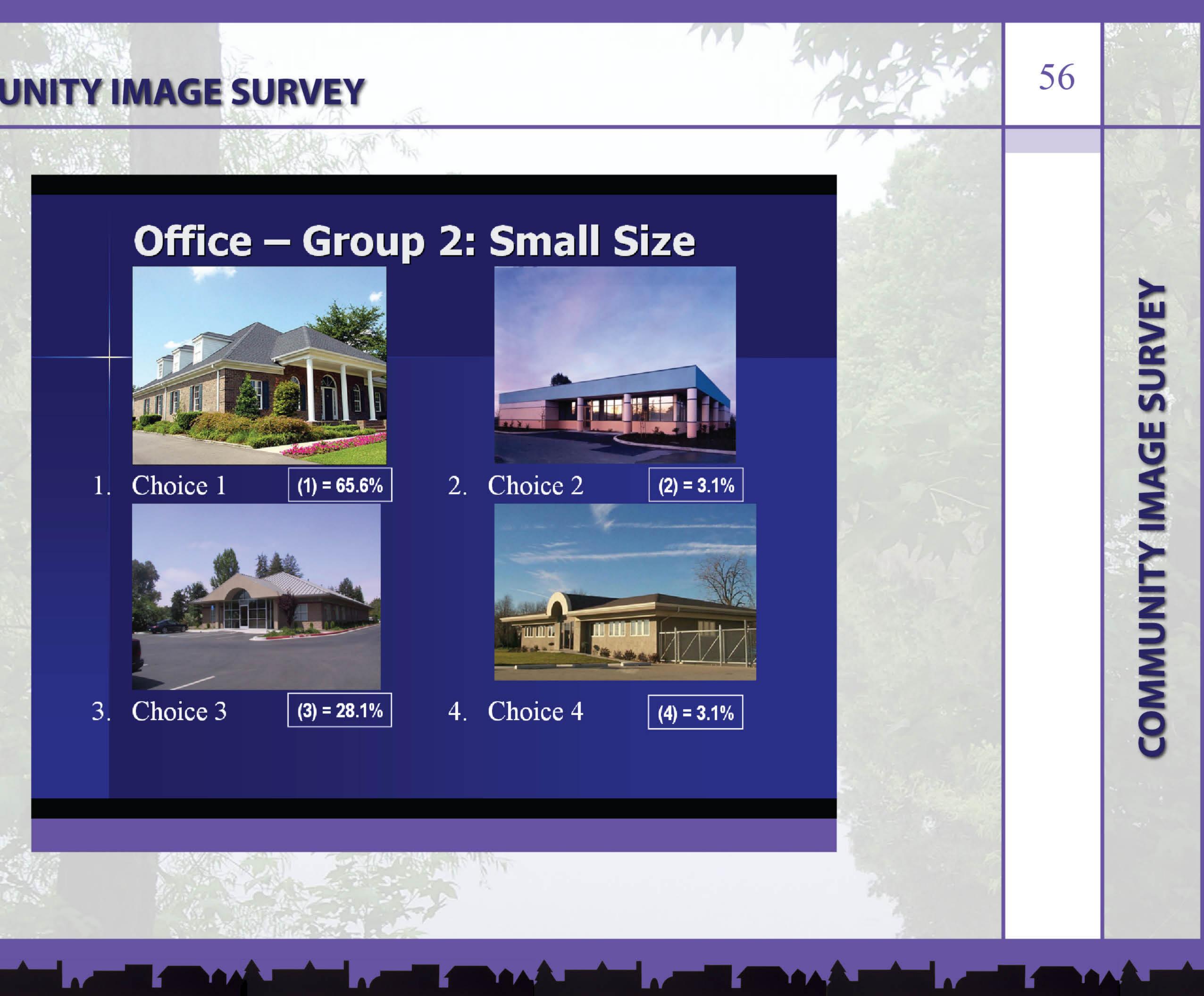


Office – Group 2: Small Size



4. Choice 4

(4) = 3.1%



MIXED - USE



choice 1



INDUSTRIAL



choice 1







choice 2

choice 3

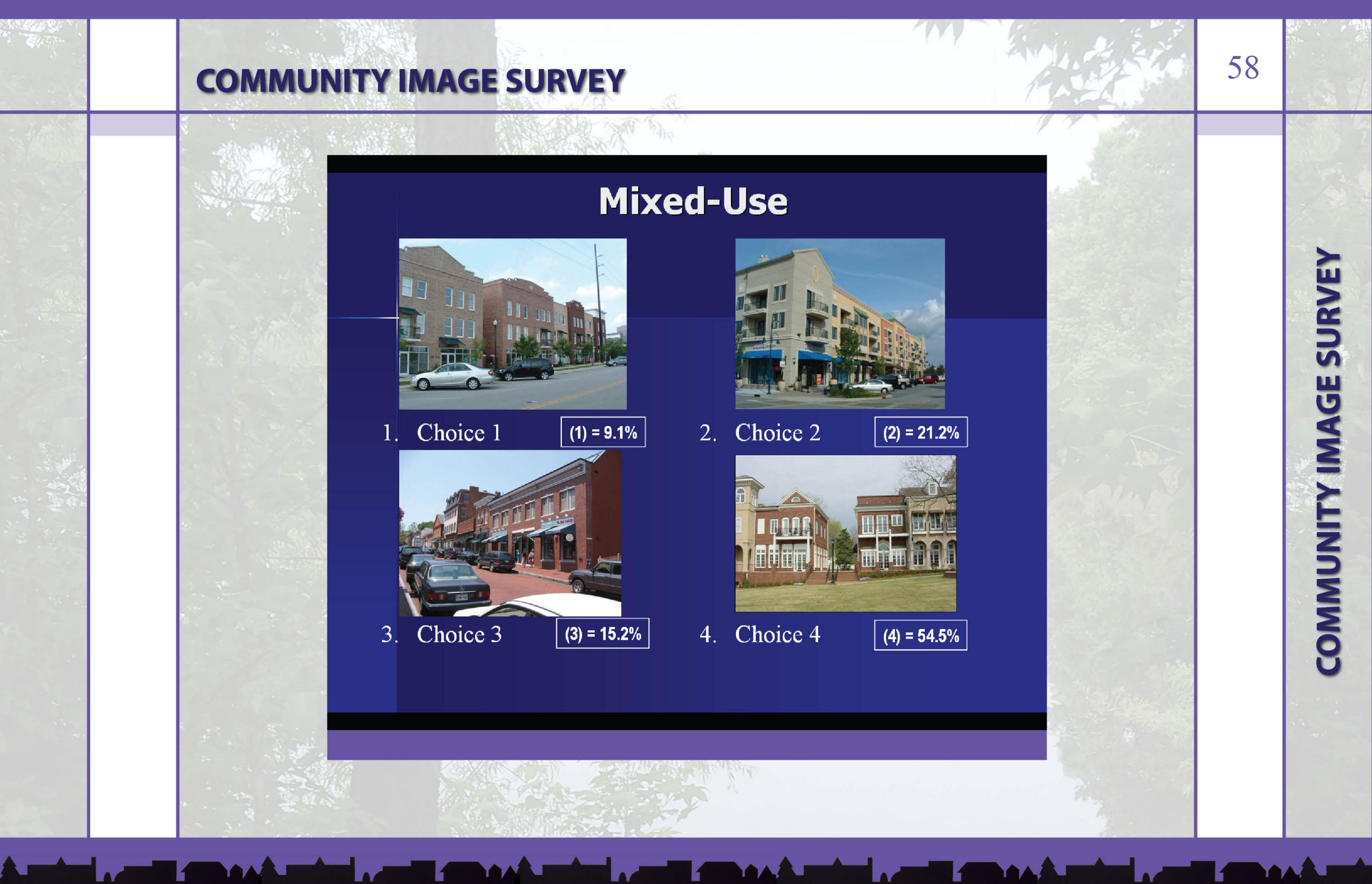


choice 2



choice 3



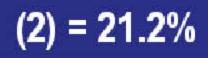




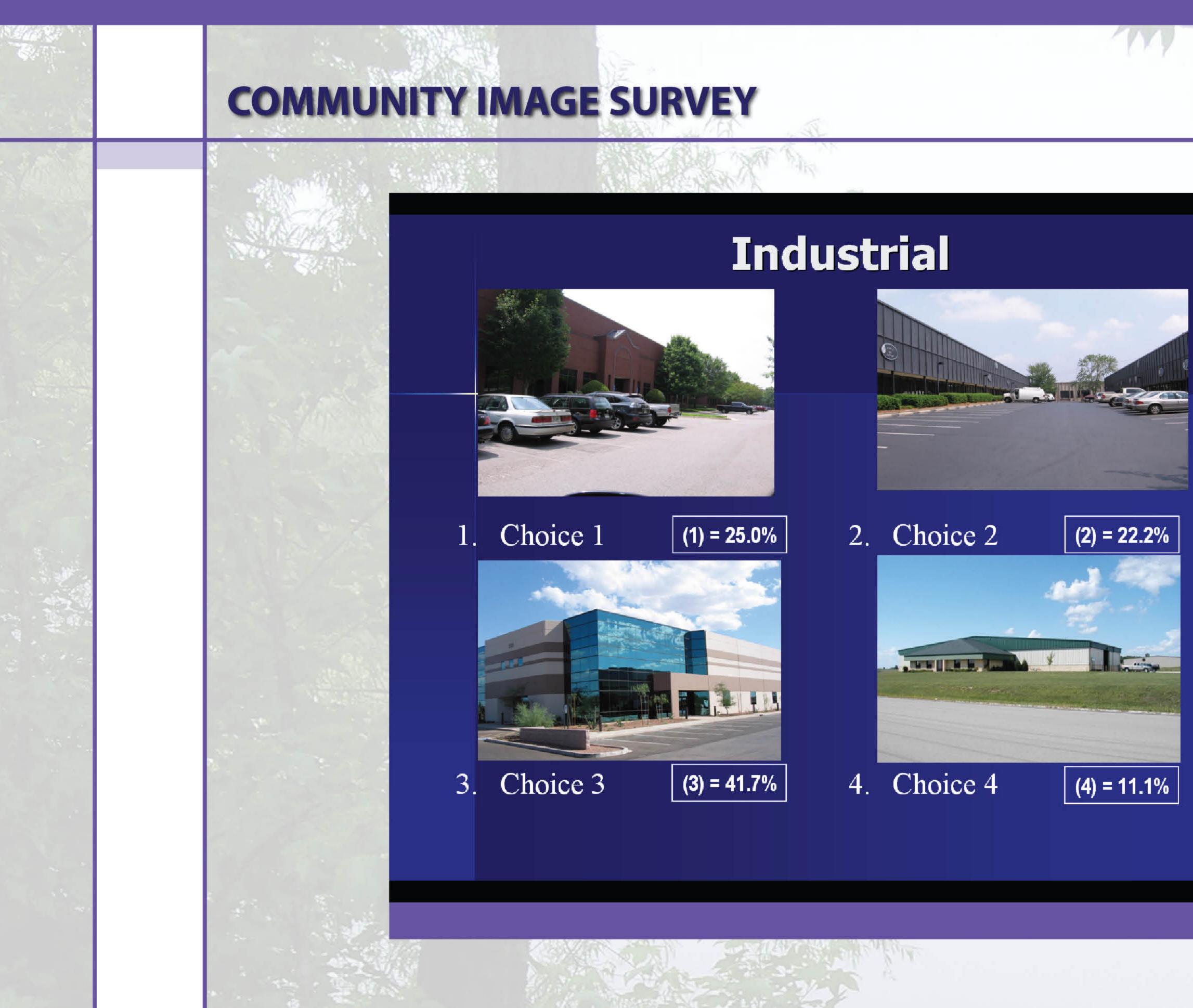






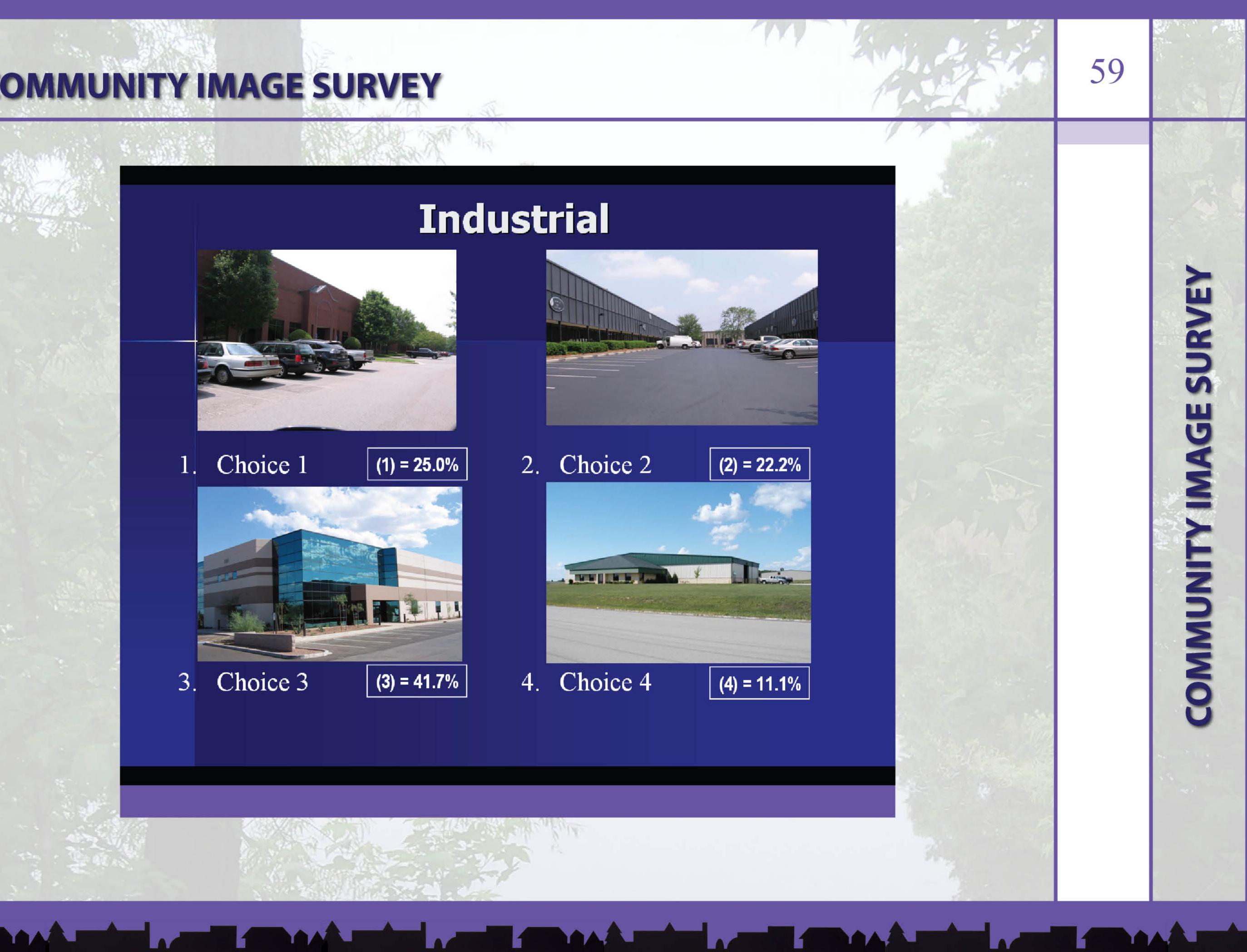






Â.





PARKS & GREENWAYS - GROUP 1: ACTIVE



PARKS & GREENWAYS - GROUP 2: PASSIVE



choice 1

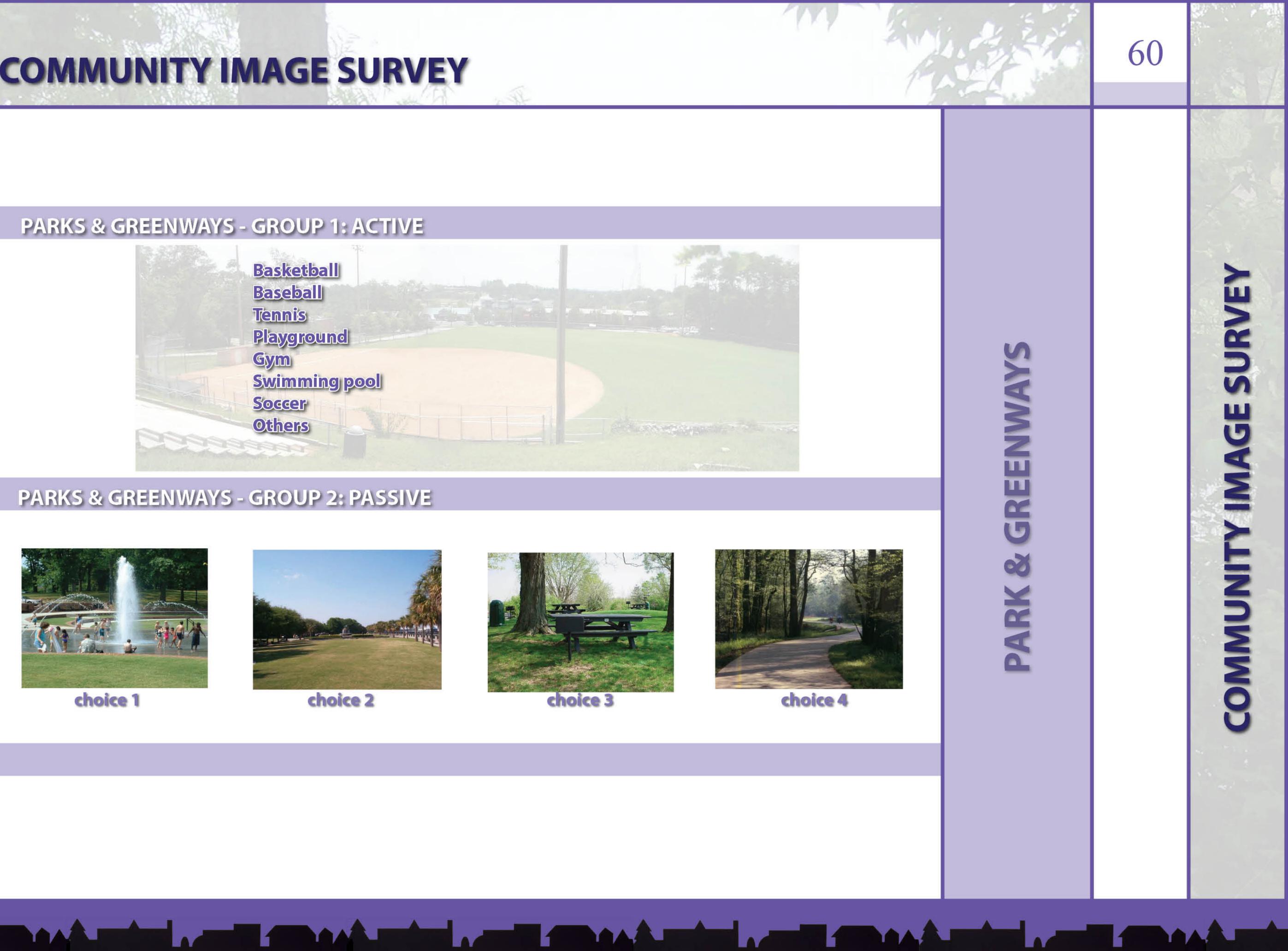




choice 2



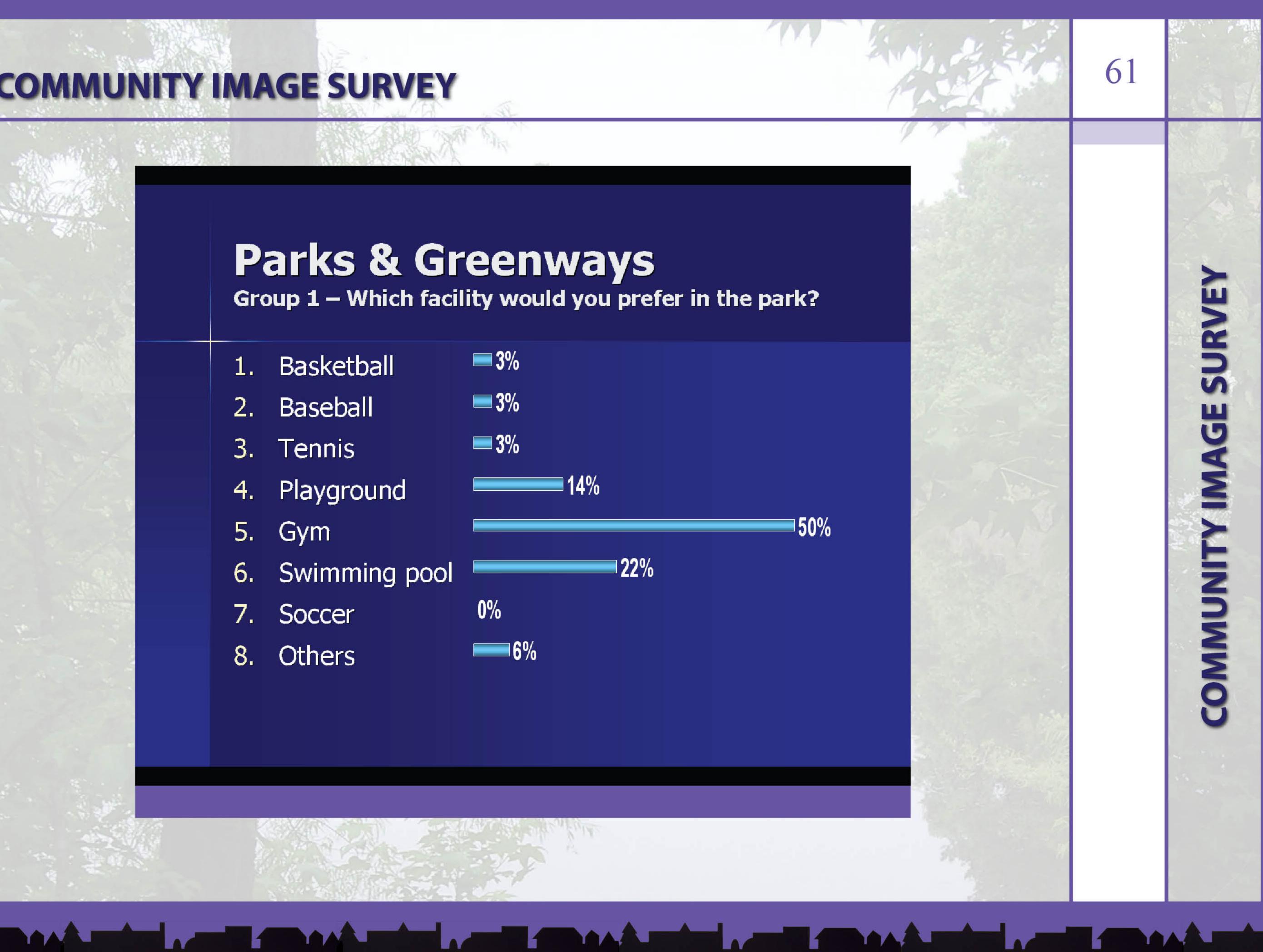








ketball	3%	
eball	3%	
nis	3 %	
ground	14%	
		50%
nming pool	22%	
cer	0%	
ers	6%	







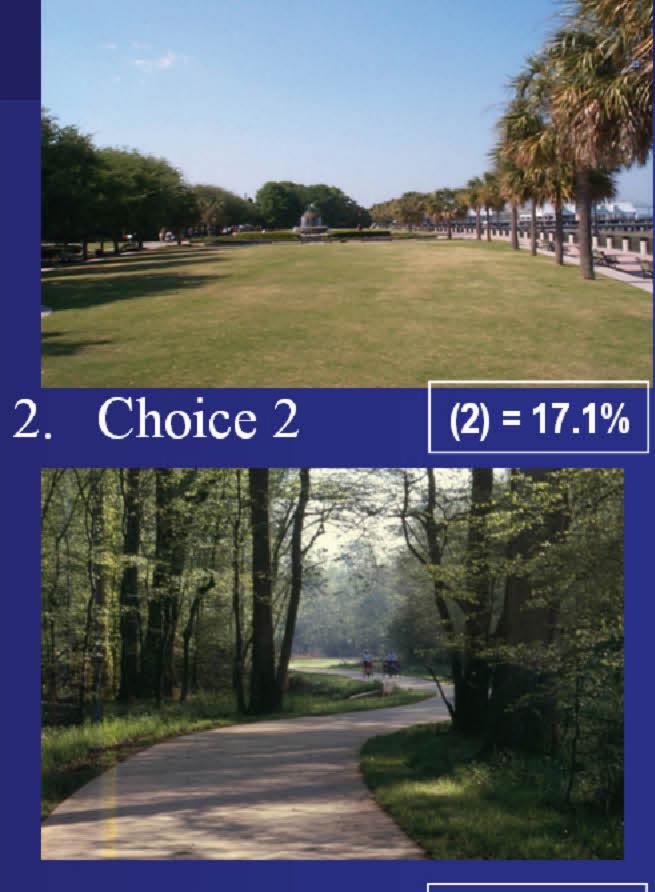
Parks & Greenways: Group 2 - Passive



(1) = 45.7%

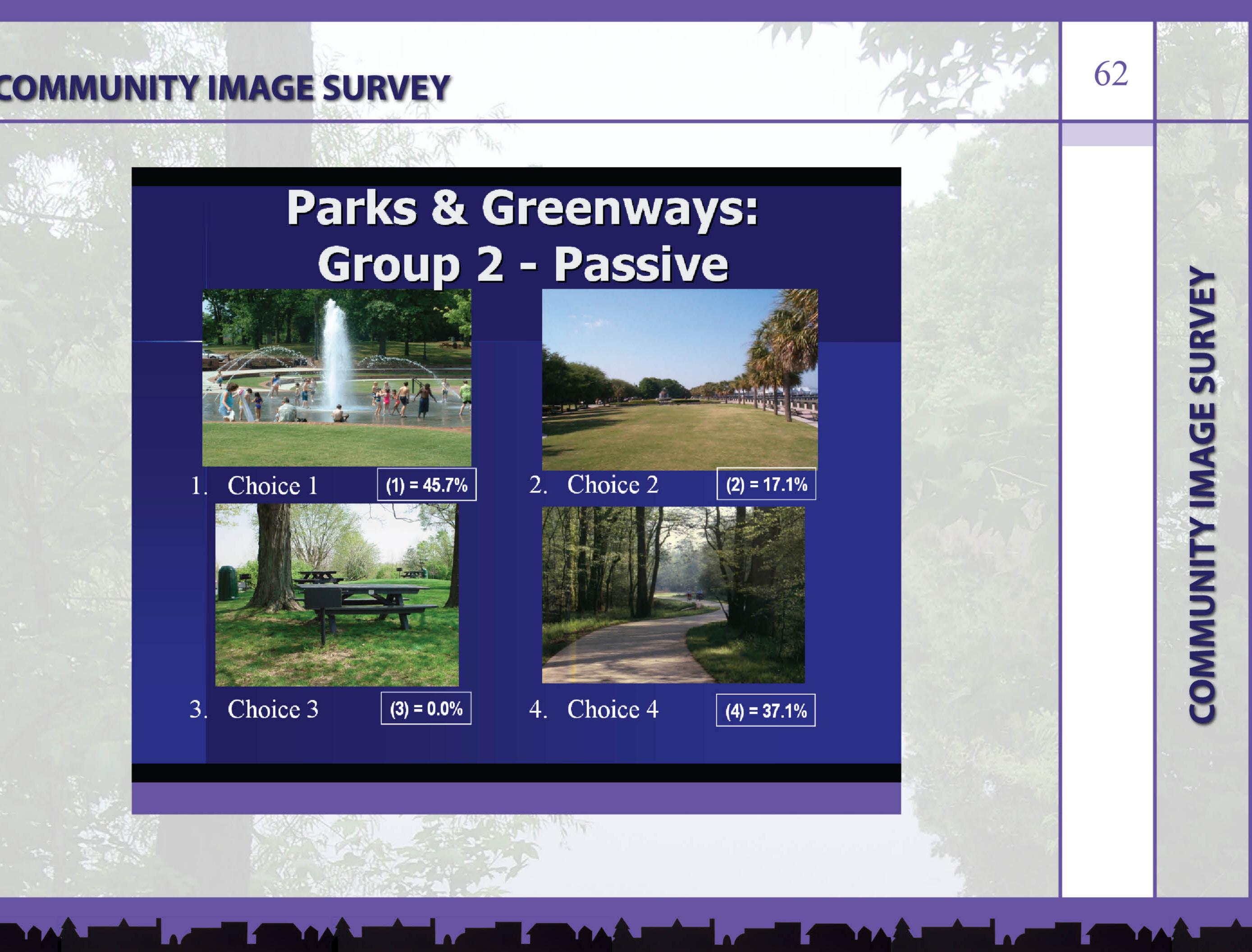


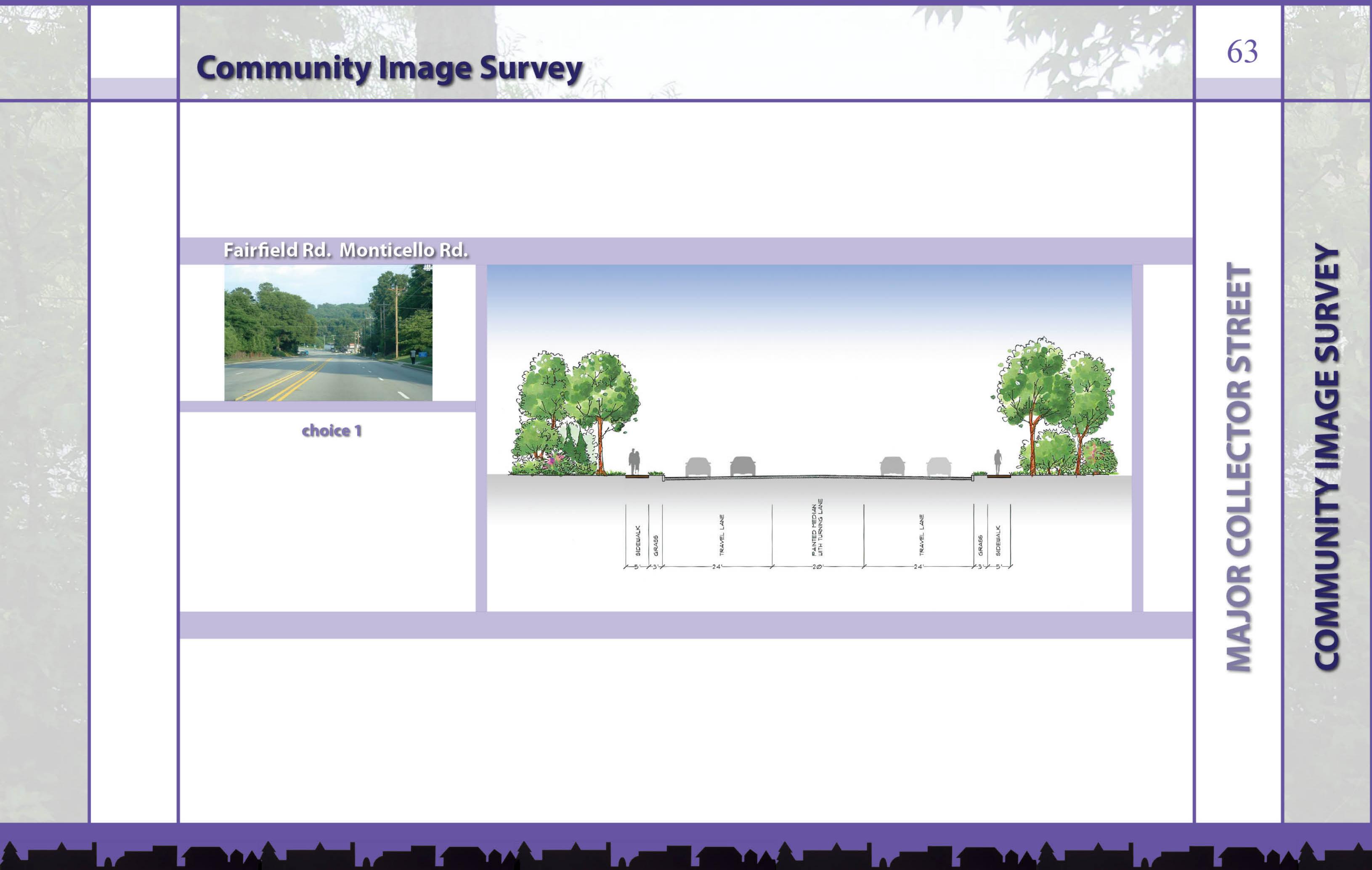
(3) = 0.0%



4. Choice 4

(4) = 37.1%



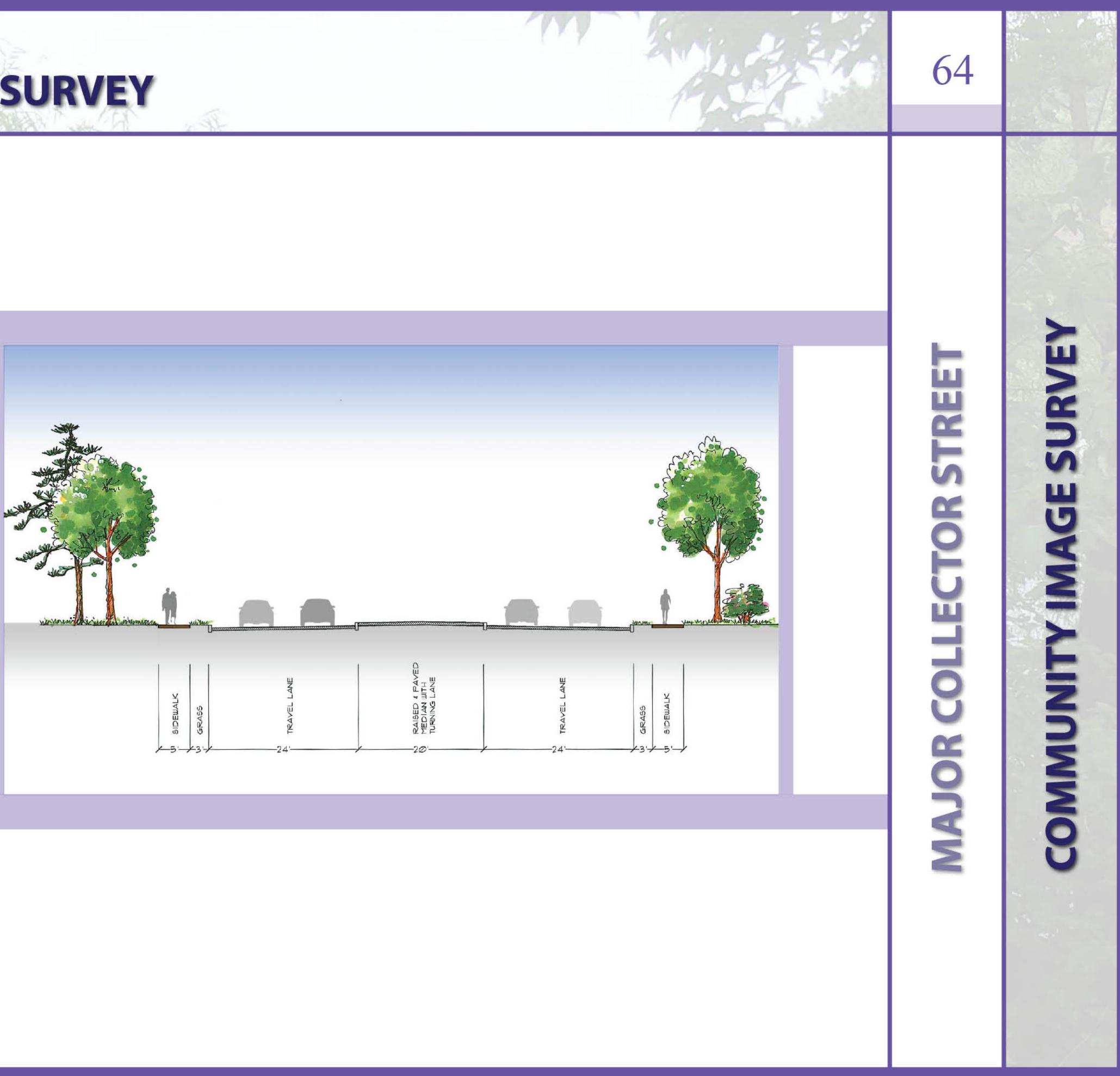


Fairfield Rd. Monticello Rd.



choice 2



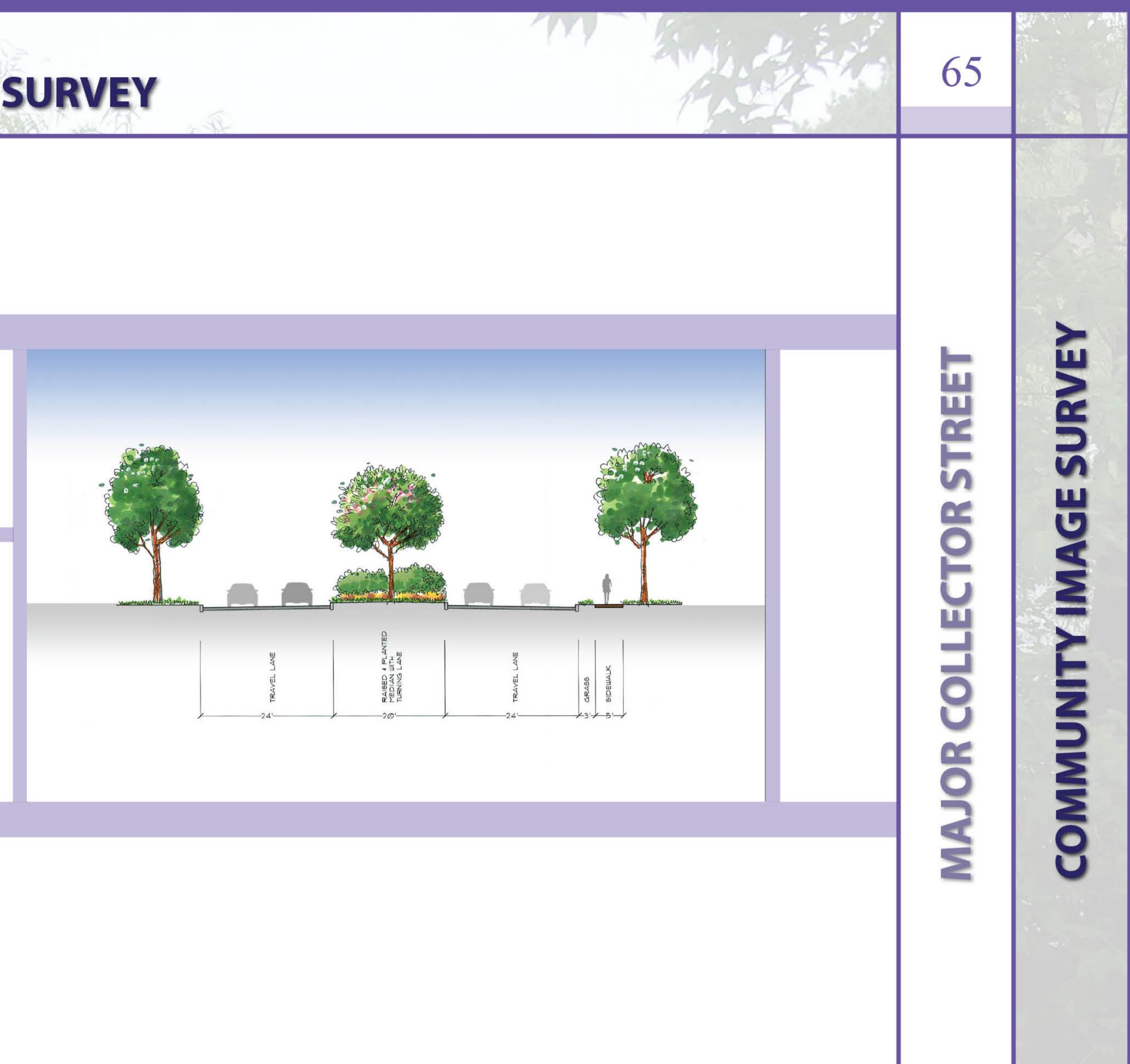


Fairfield Rd. Monticello Rd.

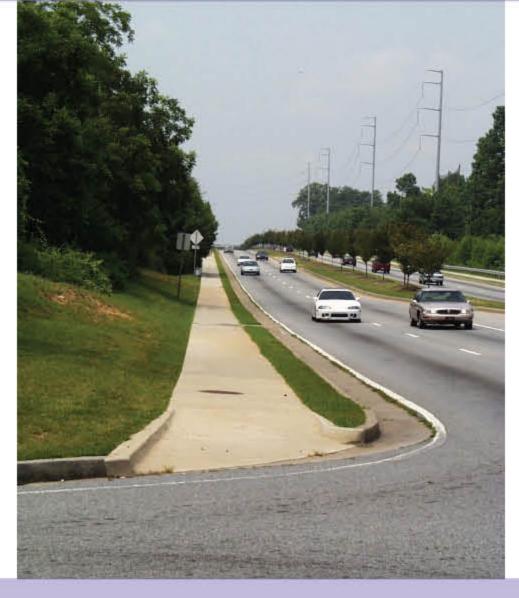


choice 3





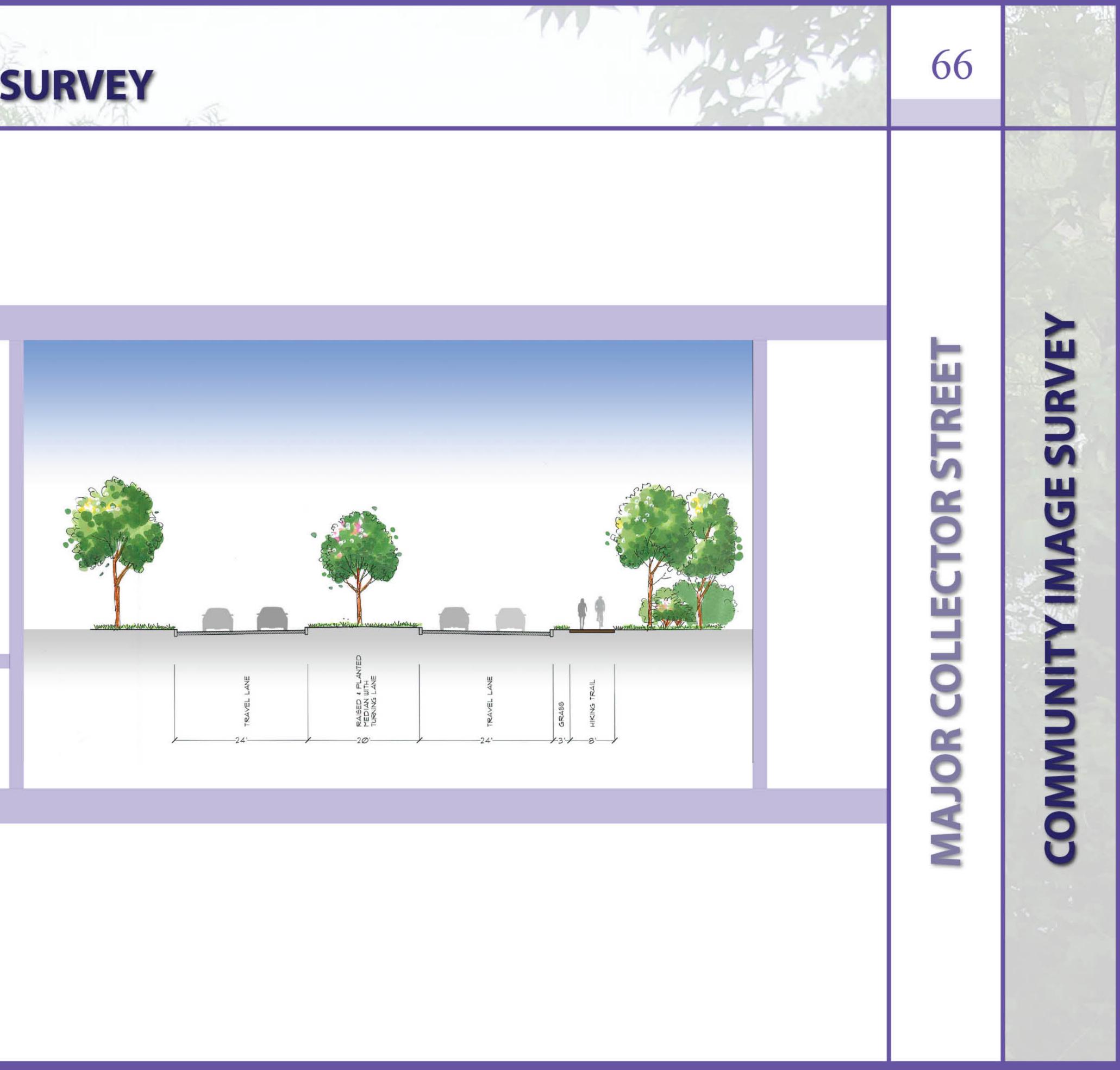
Fairfield Rd. Monticello Rd.





A









Streetscapes **Group 1 – Major Collector**









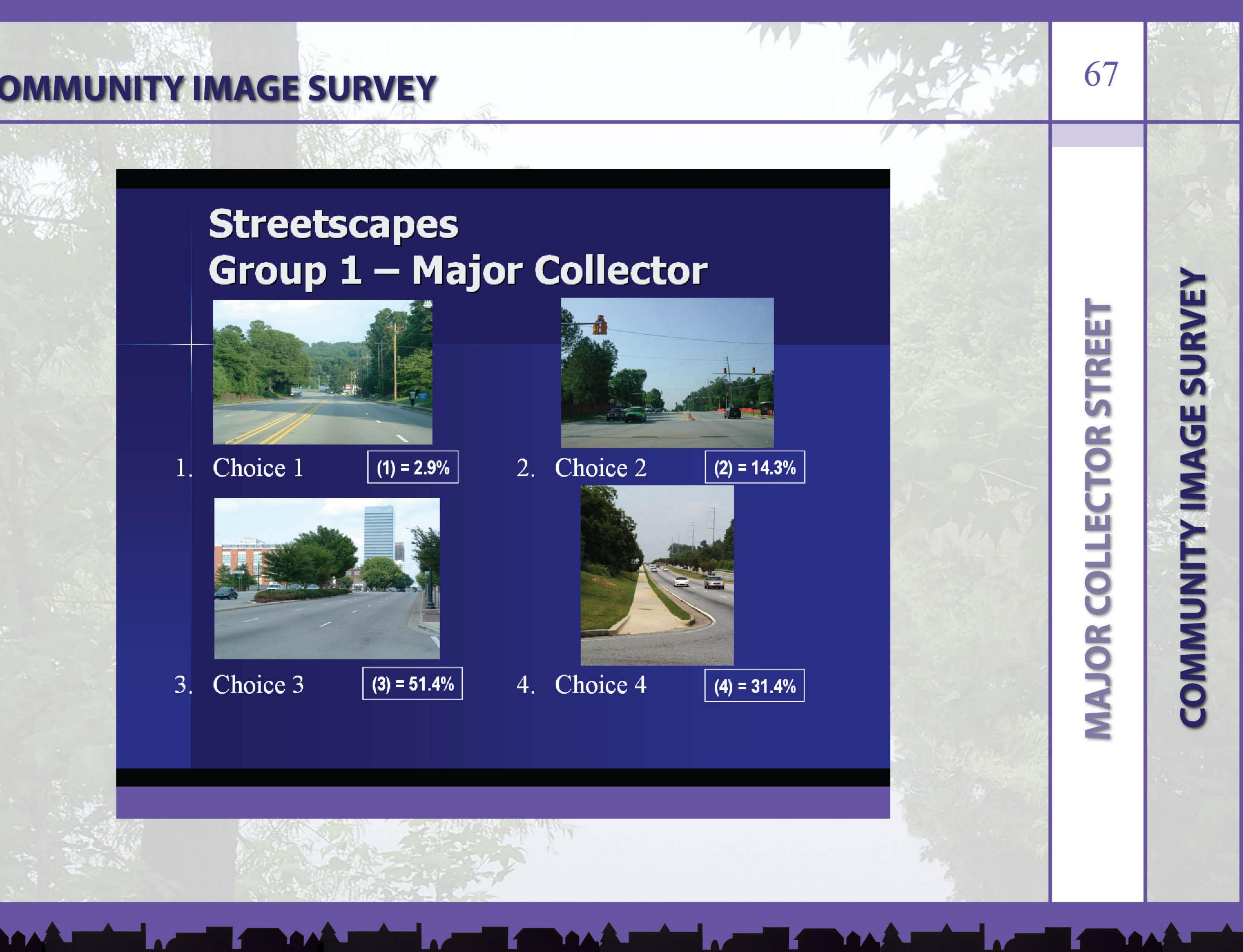


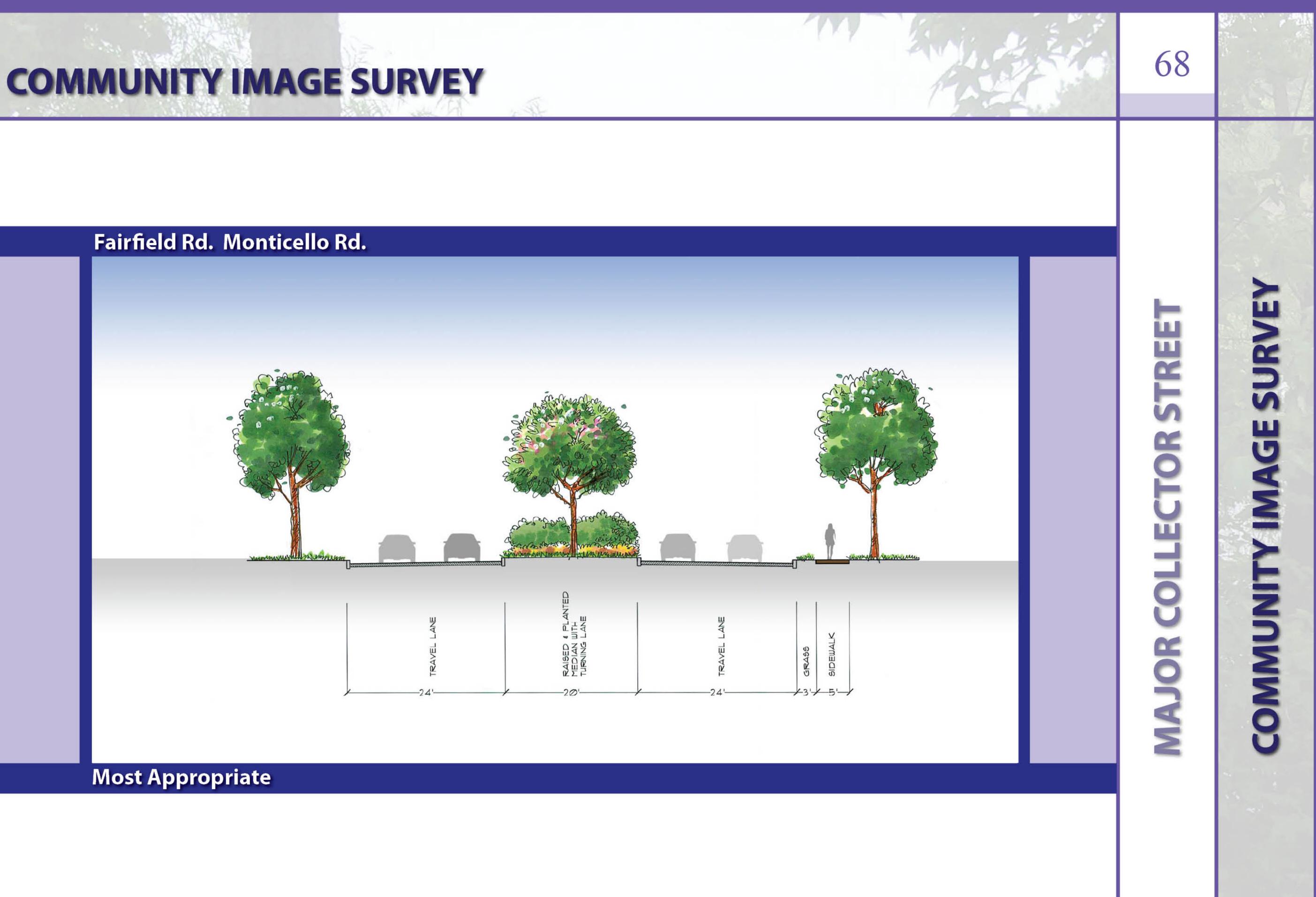
(3) = 51.4%



4. Choice 4

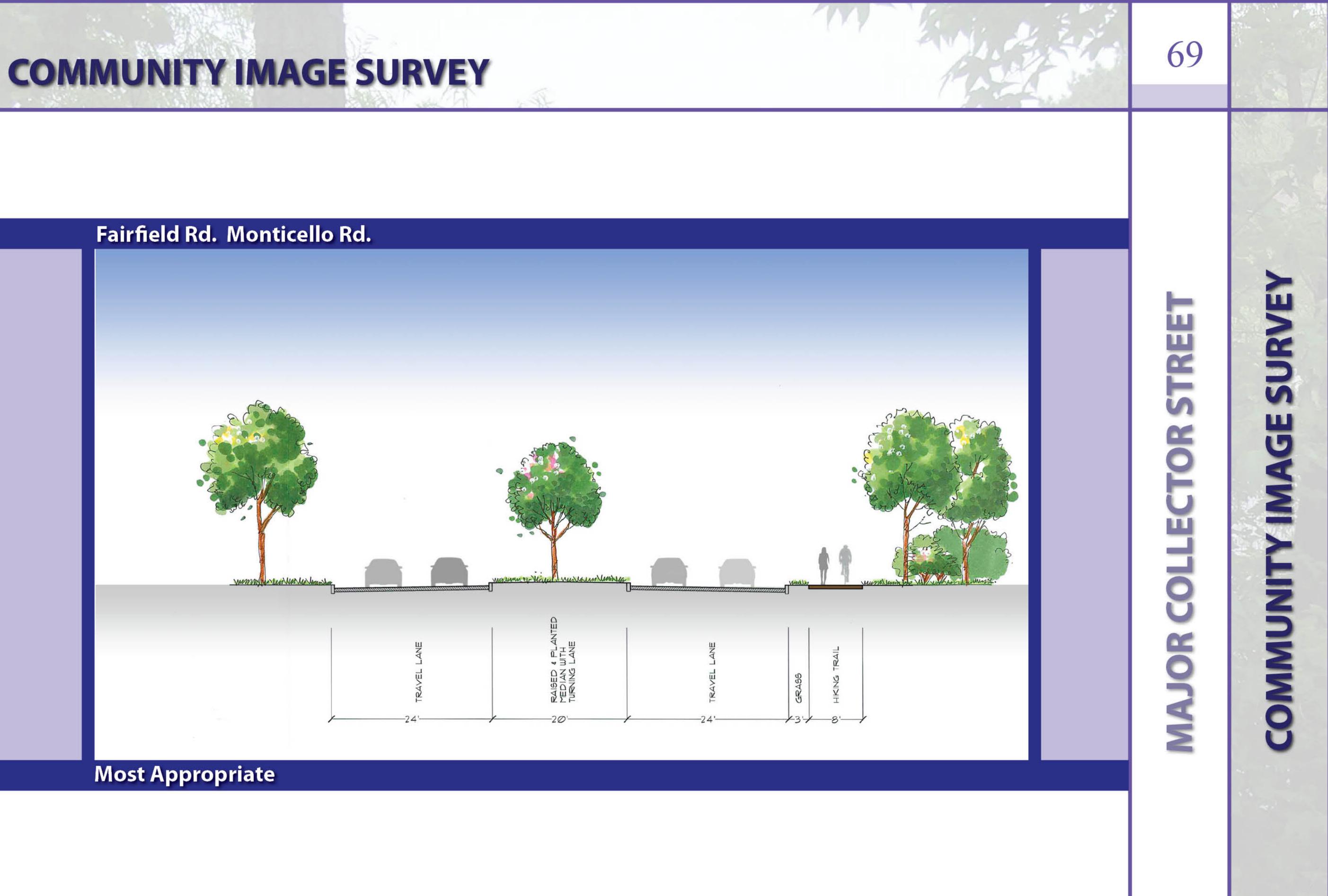






A







Blue Ridge Tier Crane Church Rd. Heyward Brockington Road choice 1 KANGARANA AND SAN AND





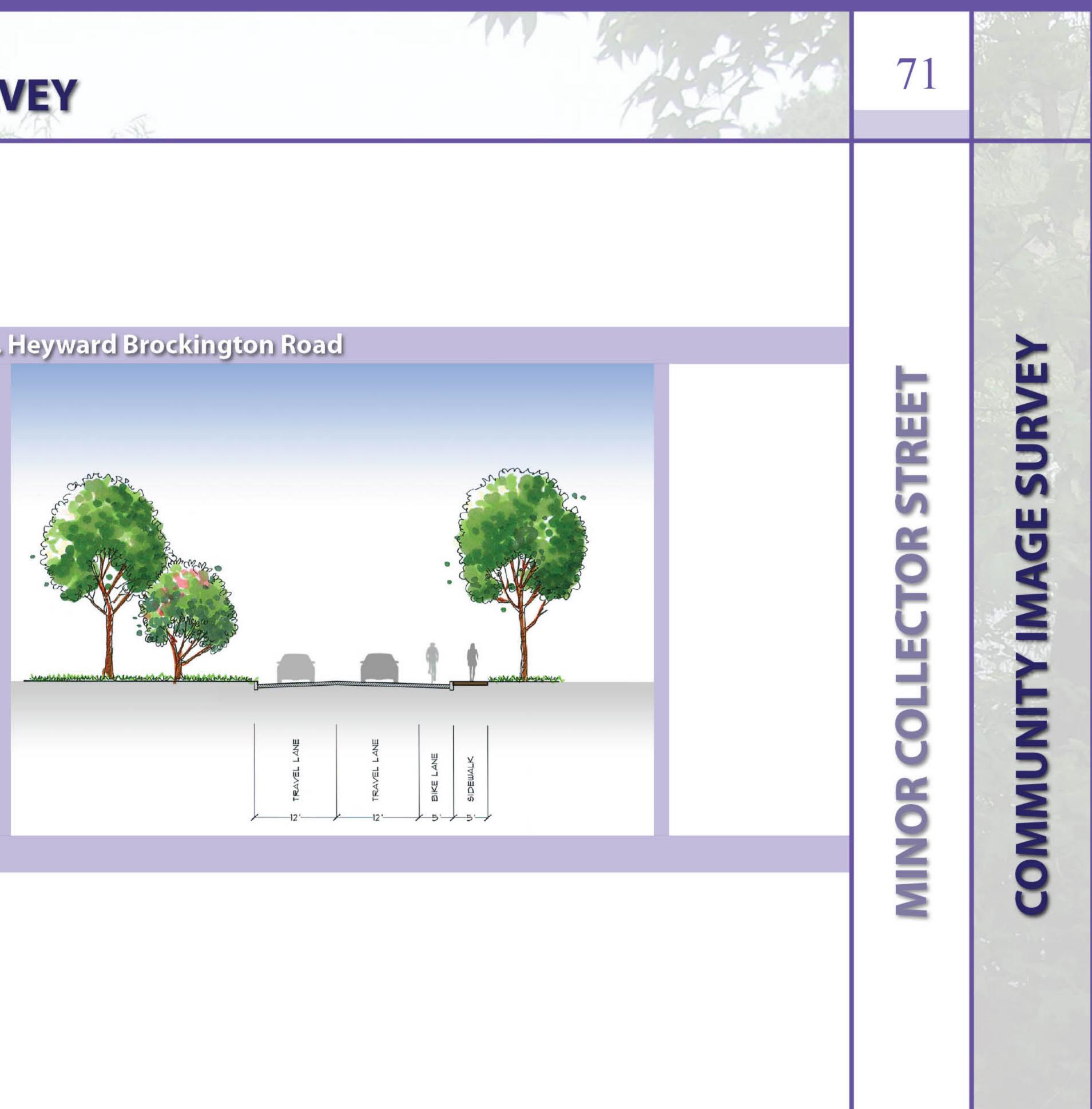


Blue Ridge Tier Crane Church Rd. Heyward Brockington Road



choice 2



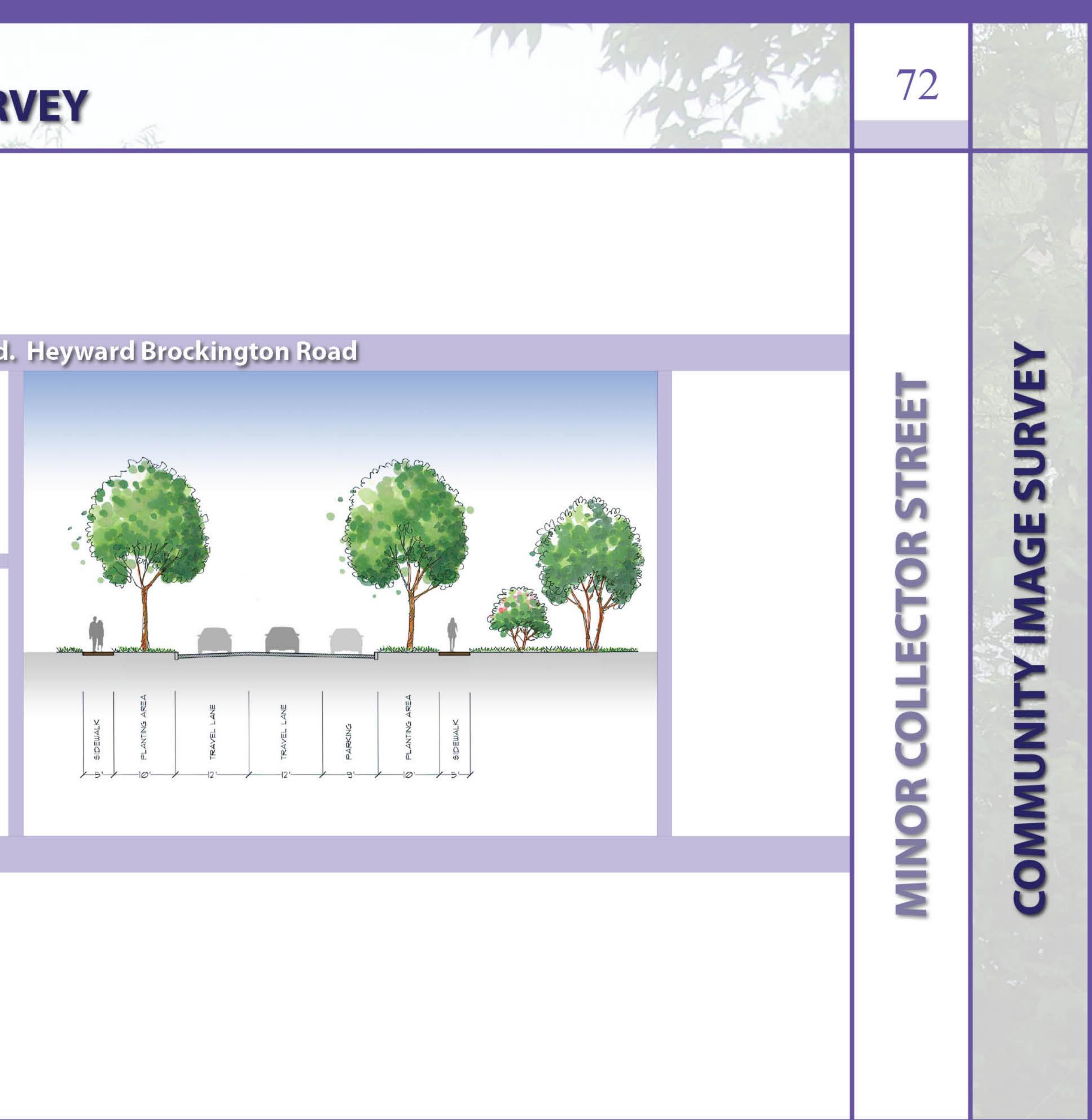


Blue Ridge Tier Crane Church Rd. Heyward Brockington Road



choice 3



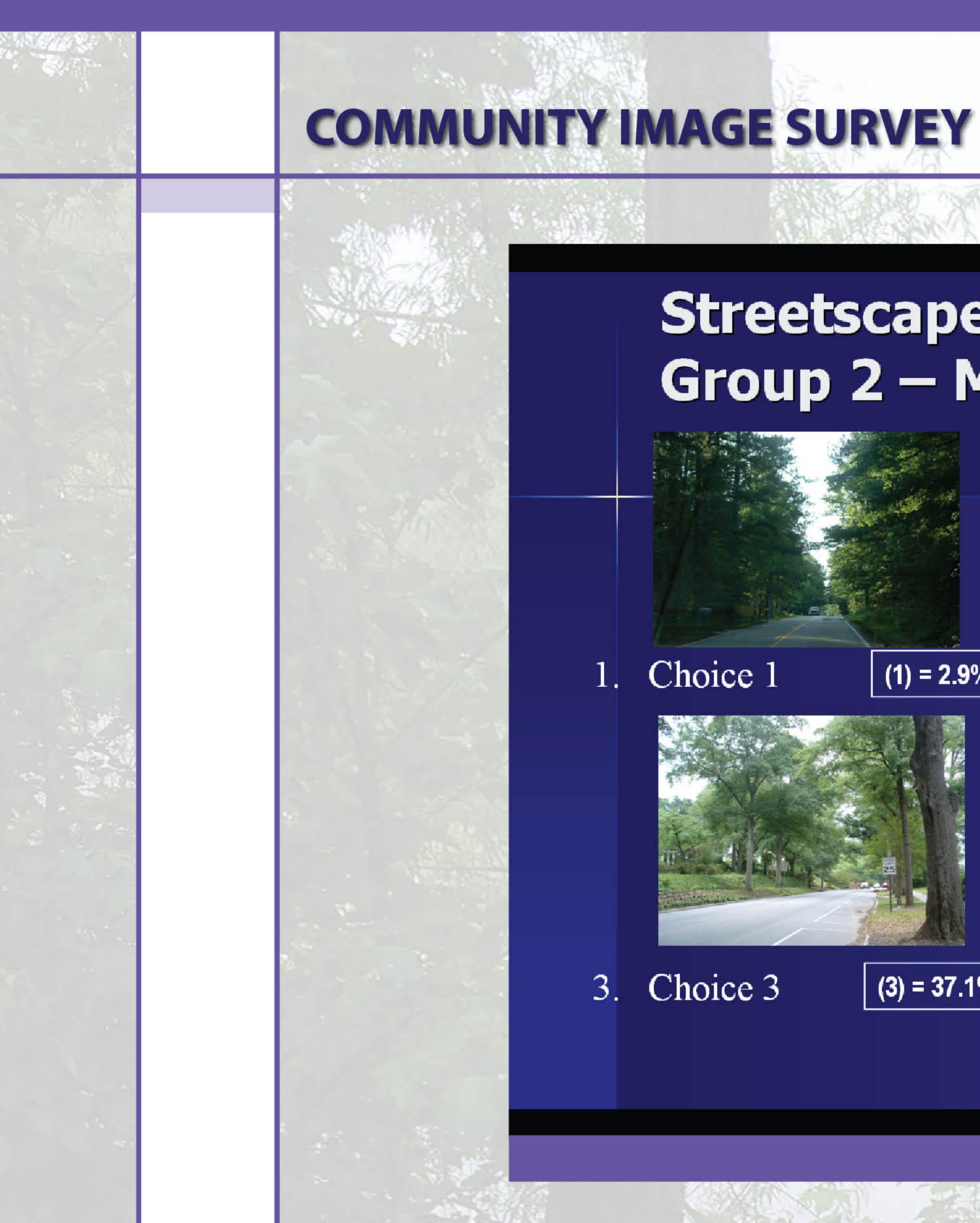


Blue Ridge Tier Crane Church Rd. Heyward Brockington Road choice 4 RAISED & FLANTE MEDIAN WITH TURNING LANE DIKE LANE DIKE LANE DIKE LANE SIDEWALK SIDEWALK GRASS BIKE LANE TRAVEL LANE



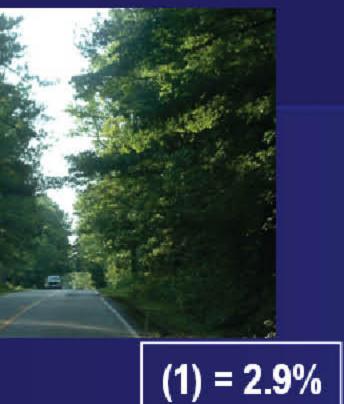


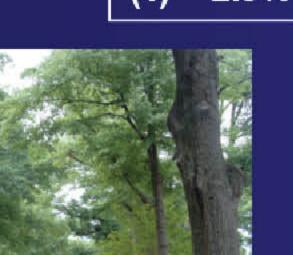


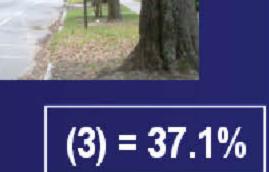




Streetscapes **Group 2 – Minor Collector**









2. Choice 2

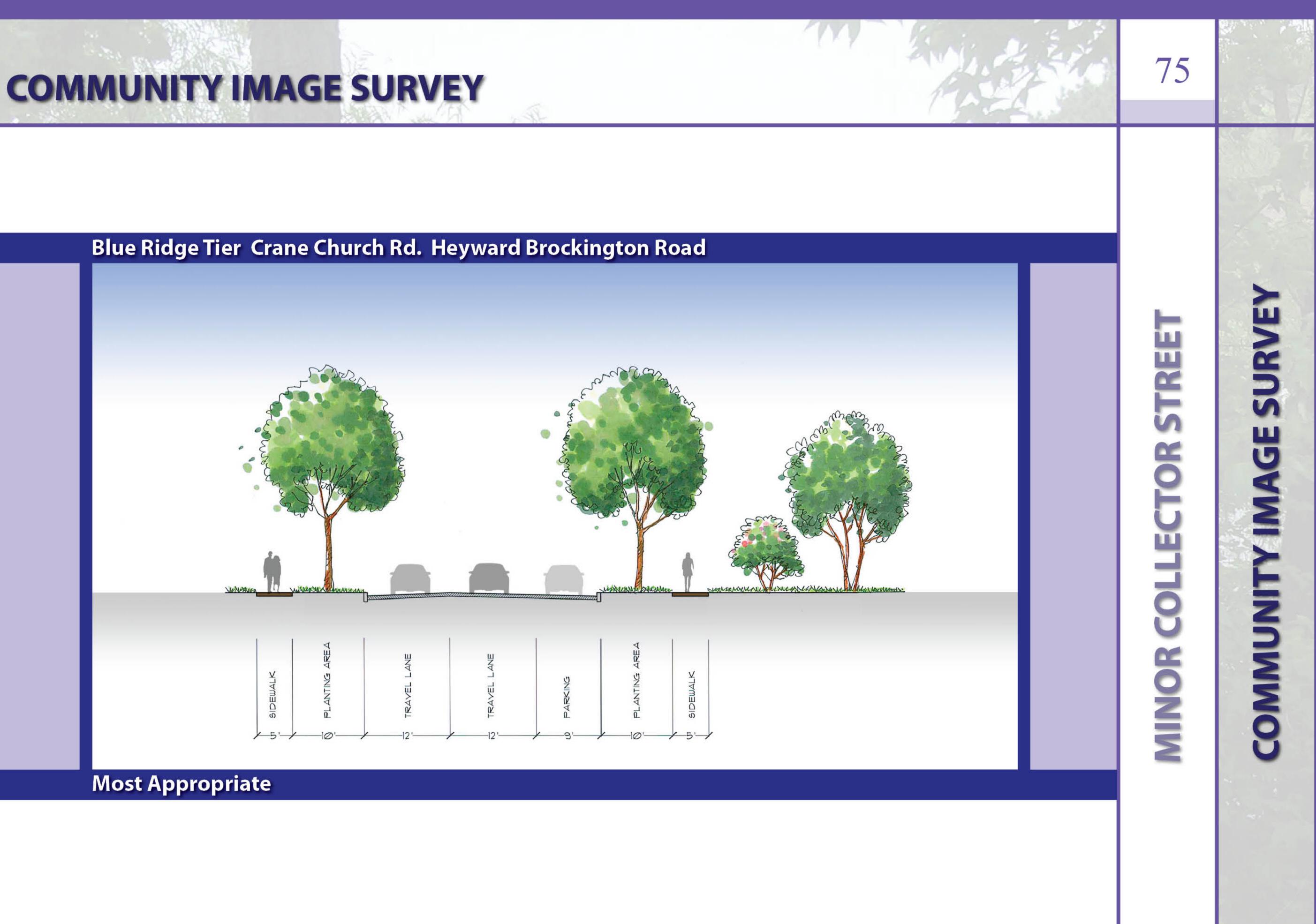


4. Choice 4

(4) = 34.3%

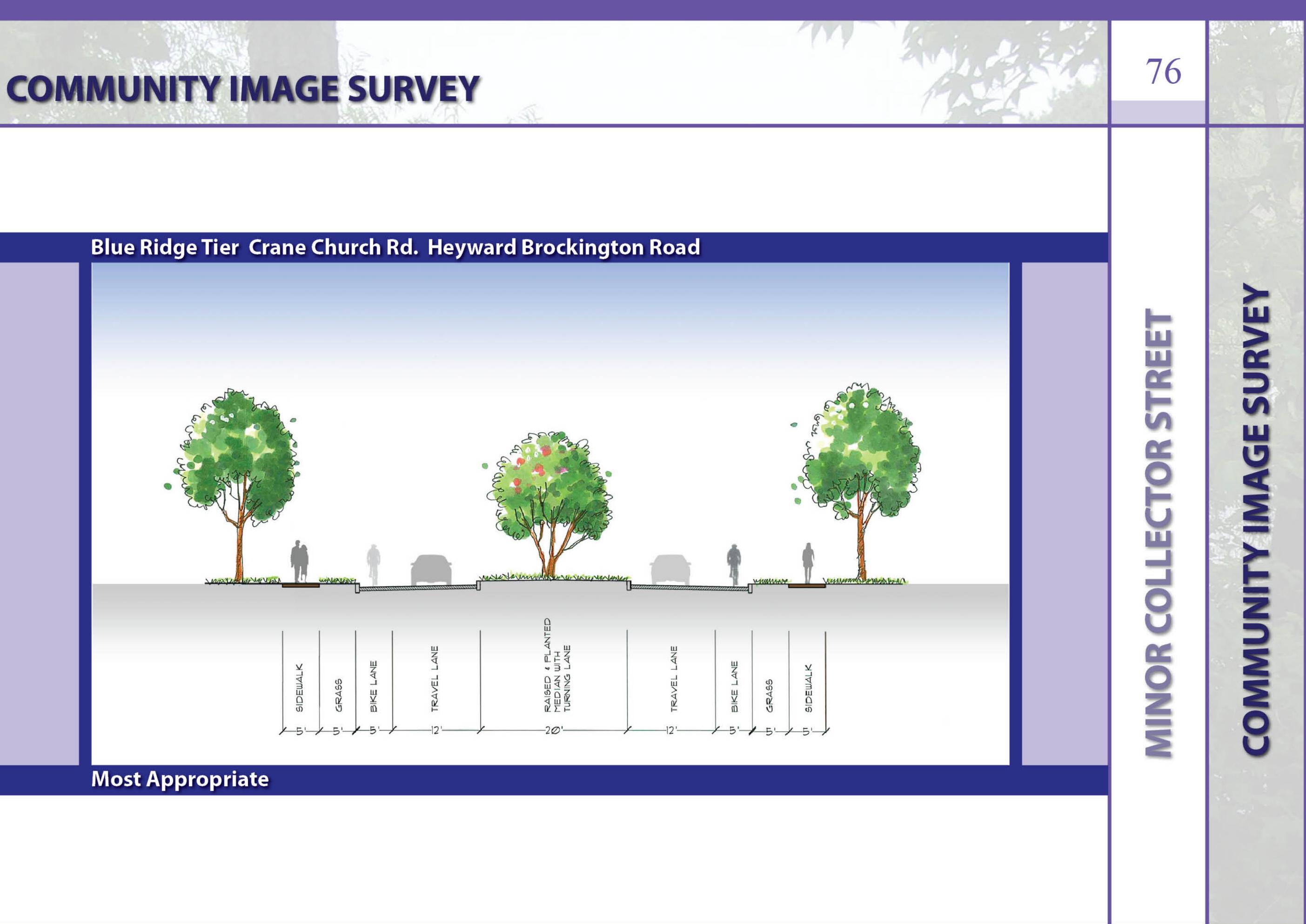
(2) = 25.7%

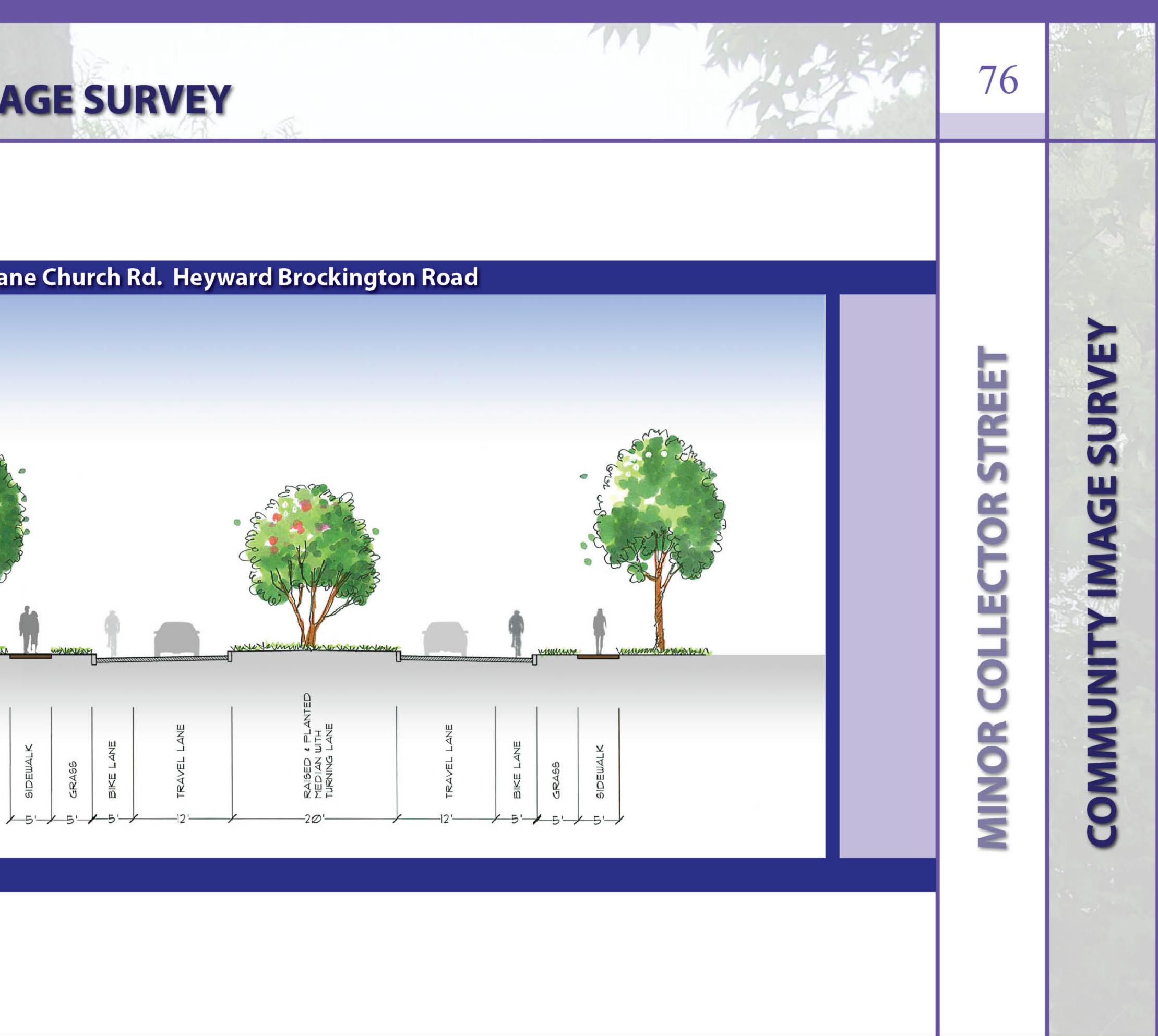




A







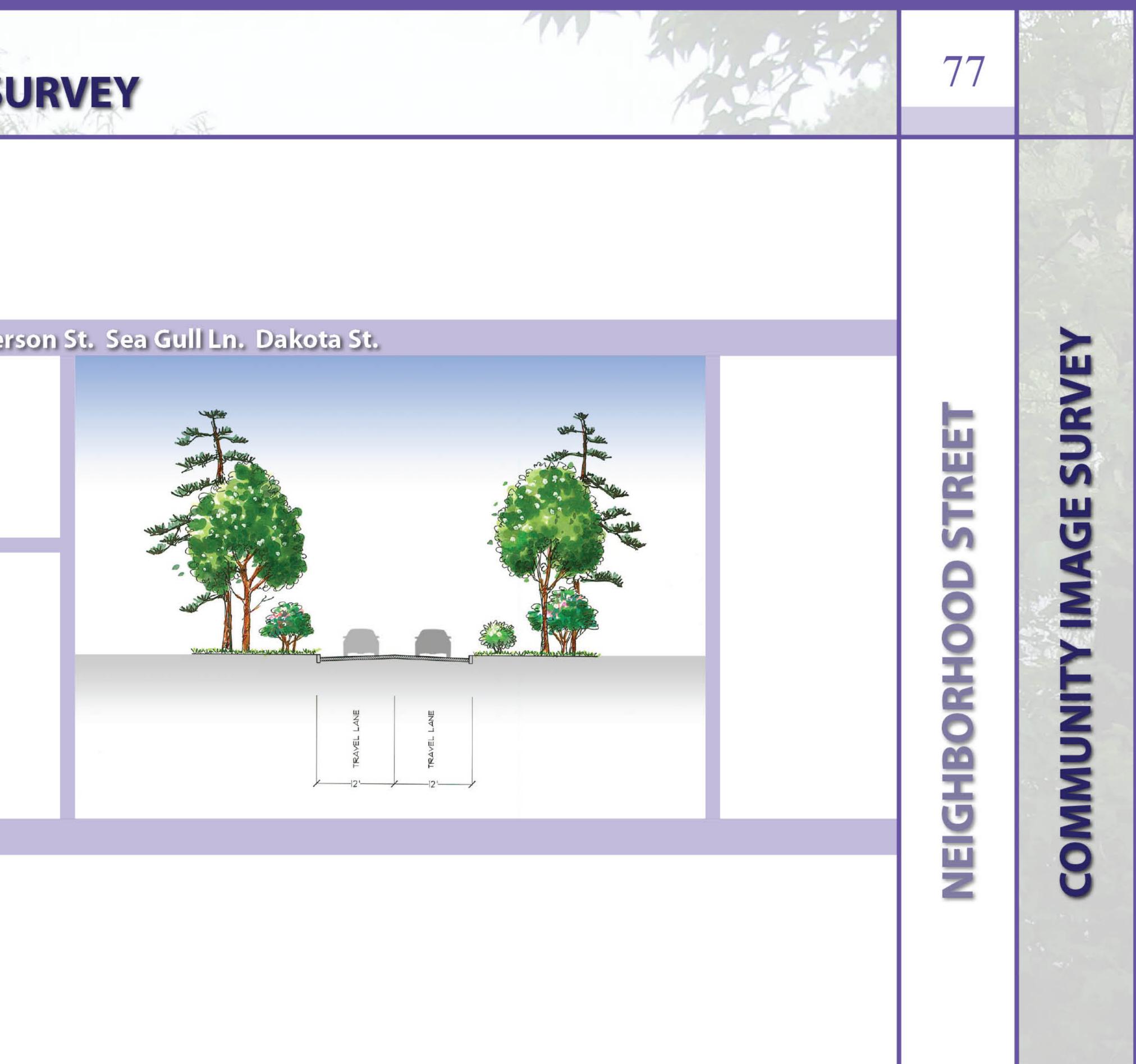


Lincolnshire North Dr. Roberson St. Sea Gull Ln. Dakota St.



choice 1



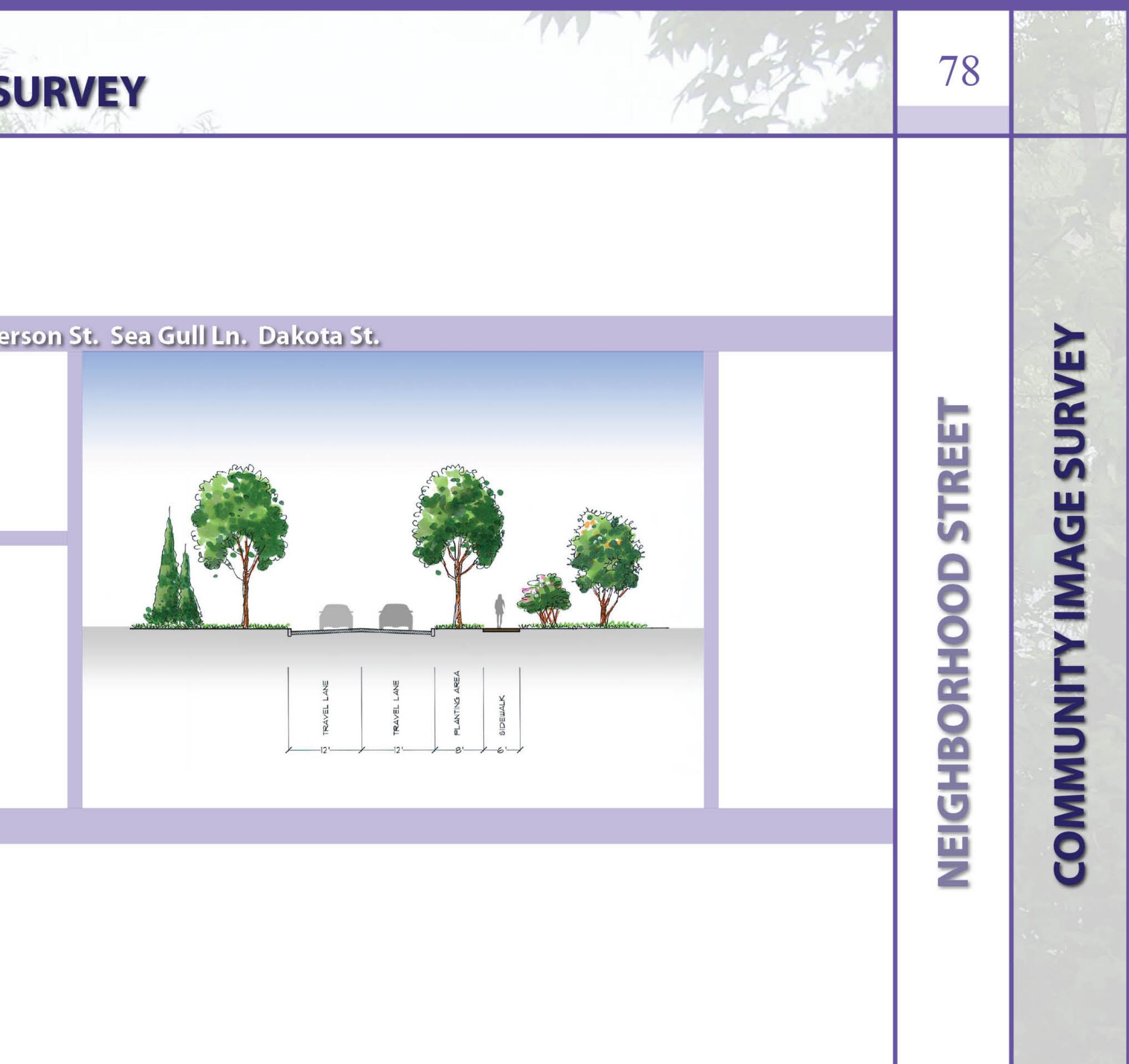


Lincolnshire North Dr. Roberson St. Sea Gull Ln. Dakota St.



choice 2



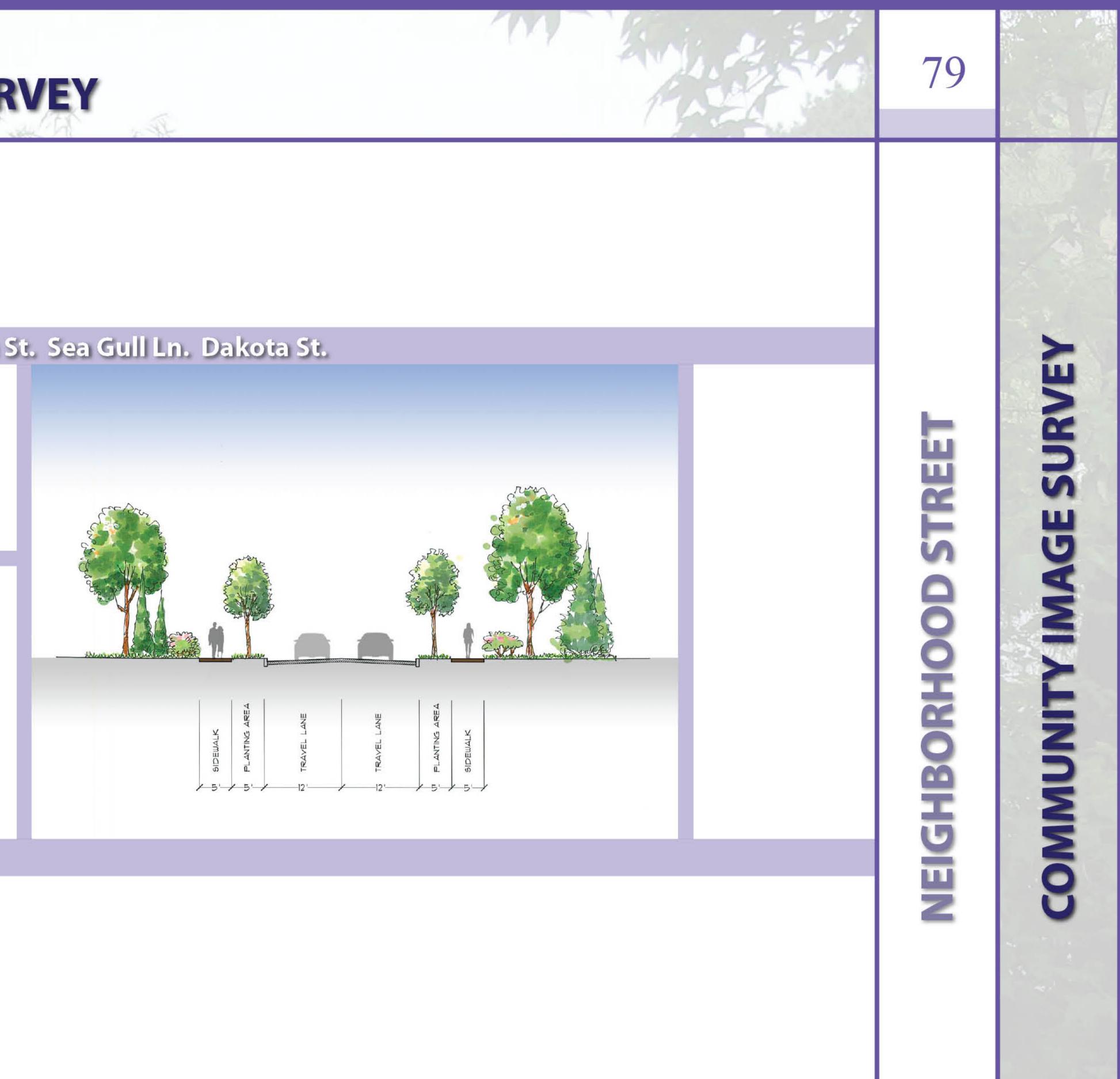


Lincolnshire North Dr. Roberson St. Sea Gull Ln. Dakota St.



choice 3



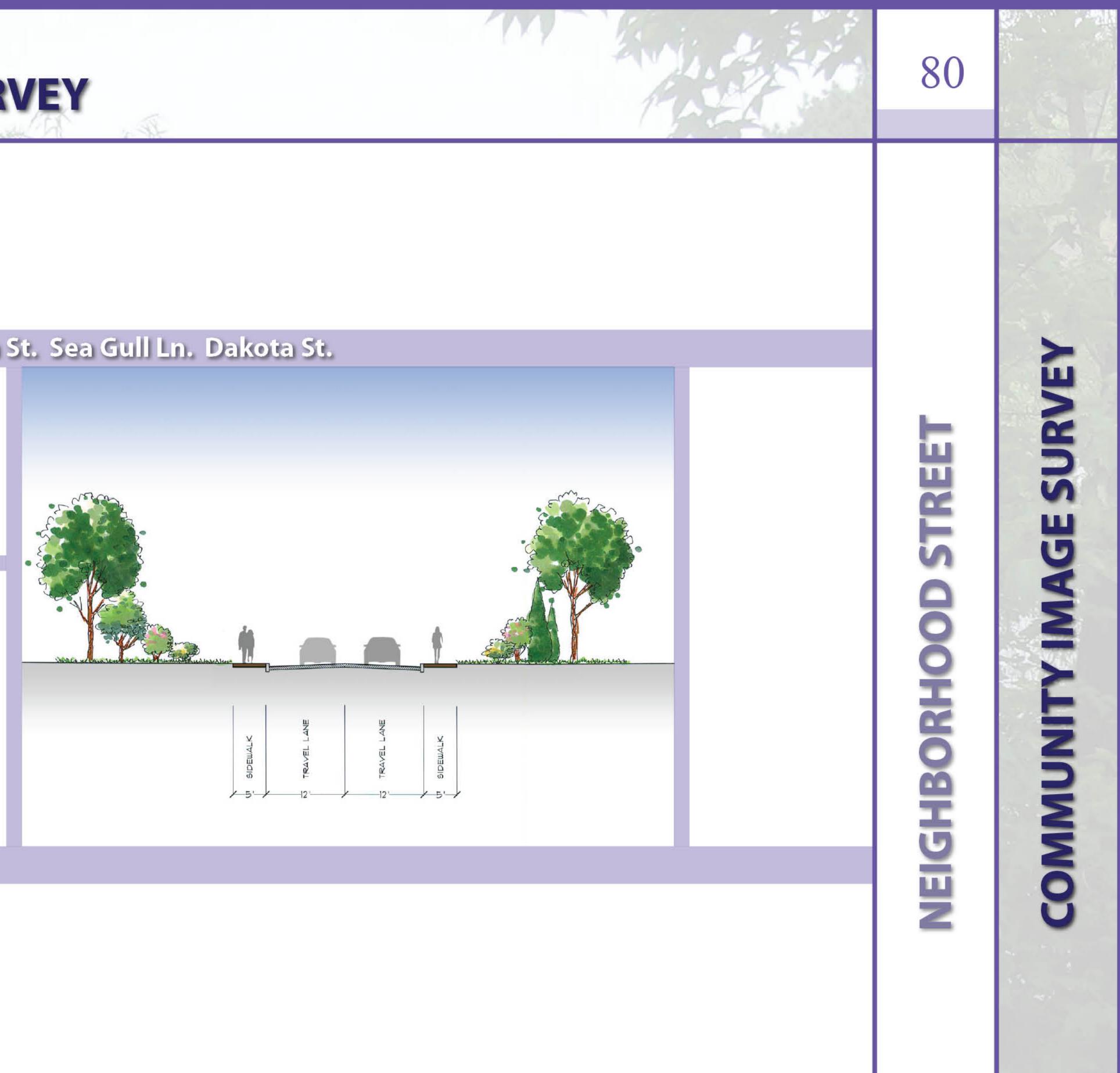


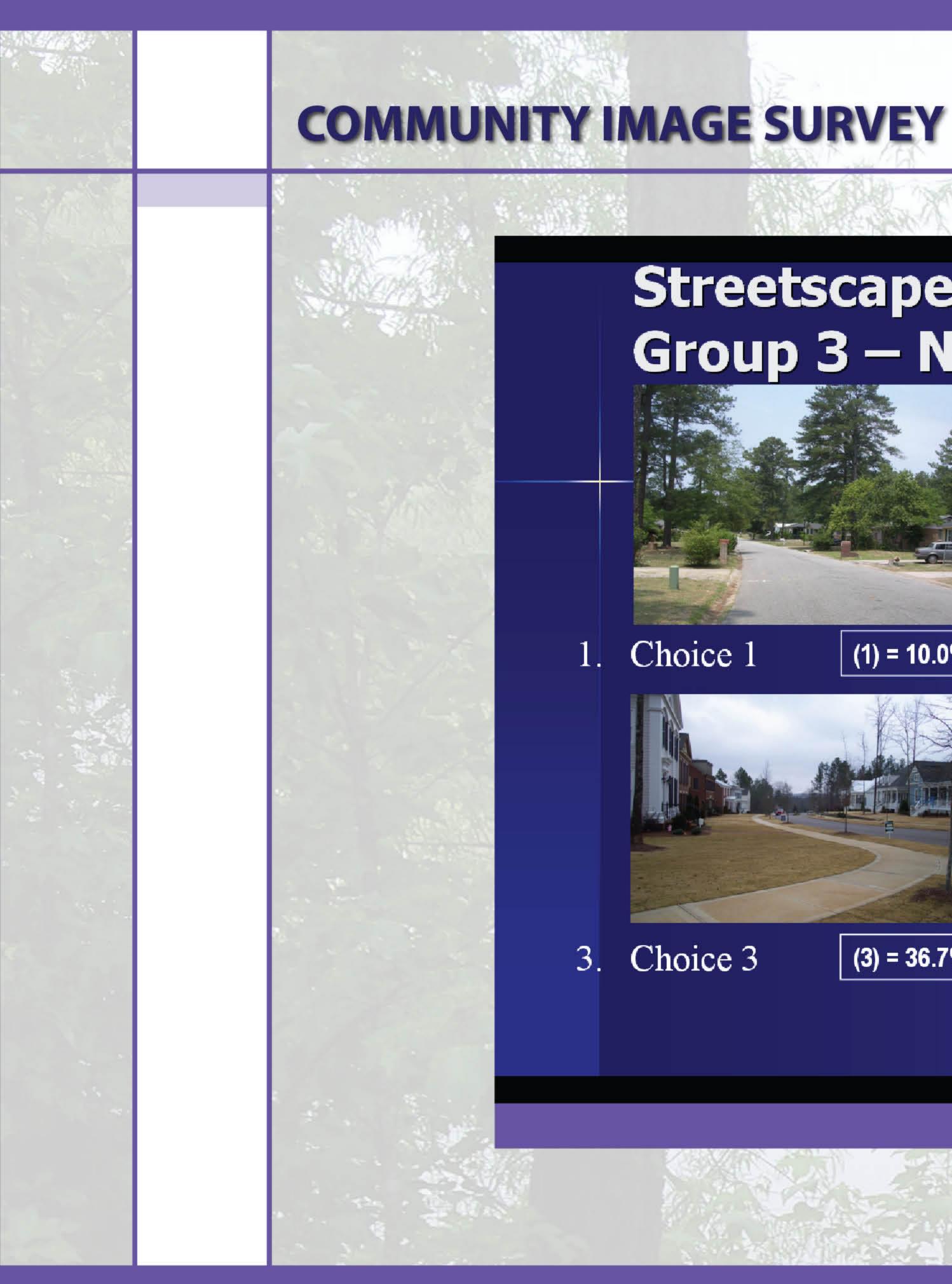
Lincolnshire North Dr. Roberson St. Sea Gull Ln. Dakota St.



choice 4





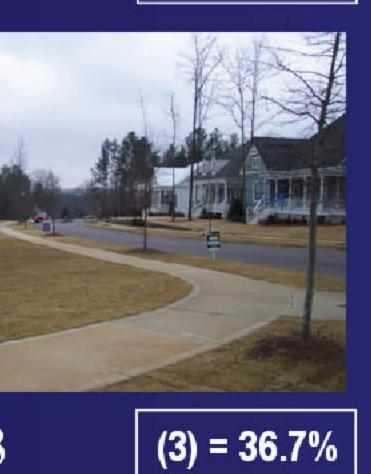




Streetscapes **Group 3 – Neighborhood Street**



(1) = 10.0%





2. Choice 2

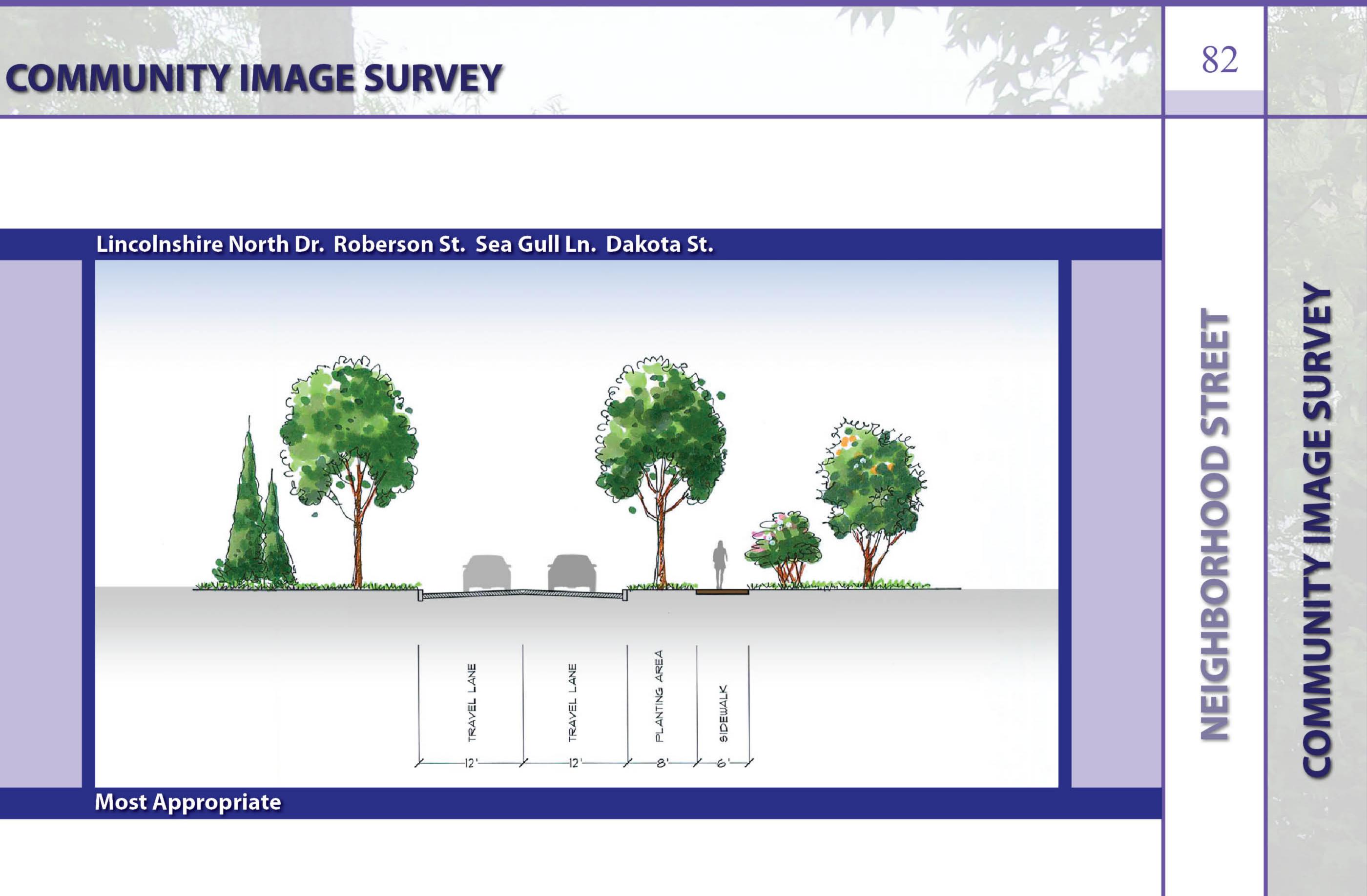


4. Choice 4

(4) = 13.3%

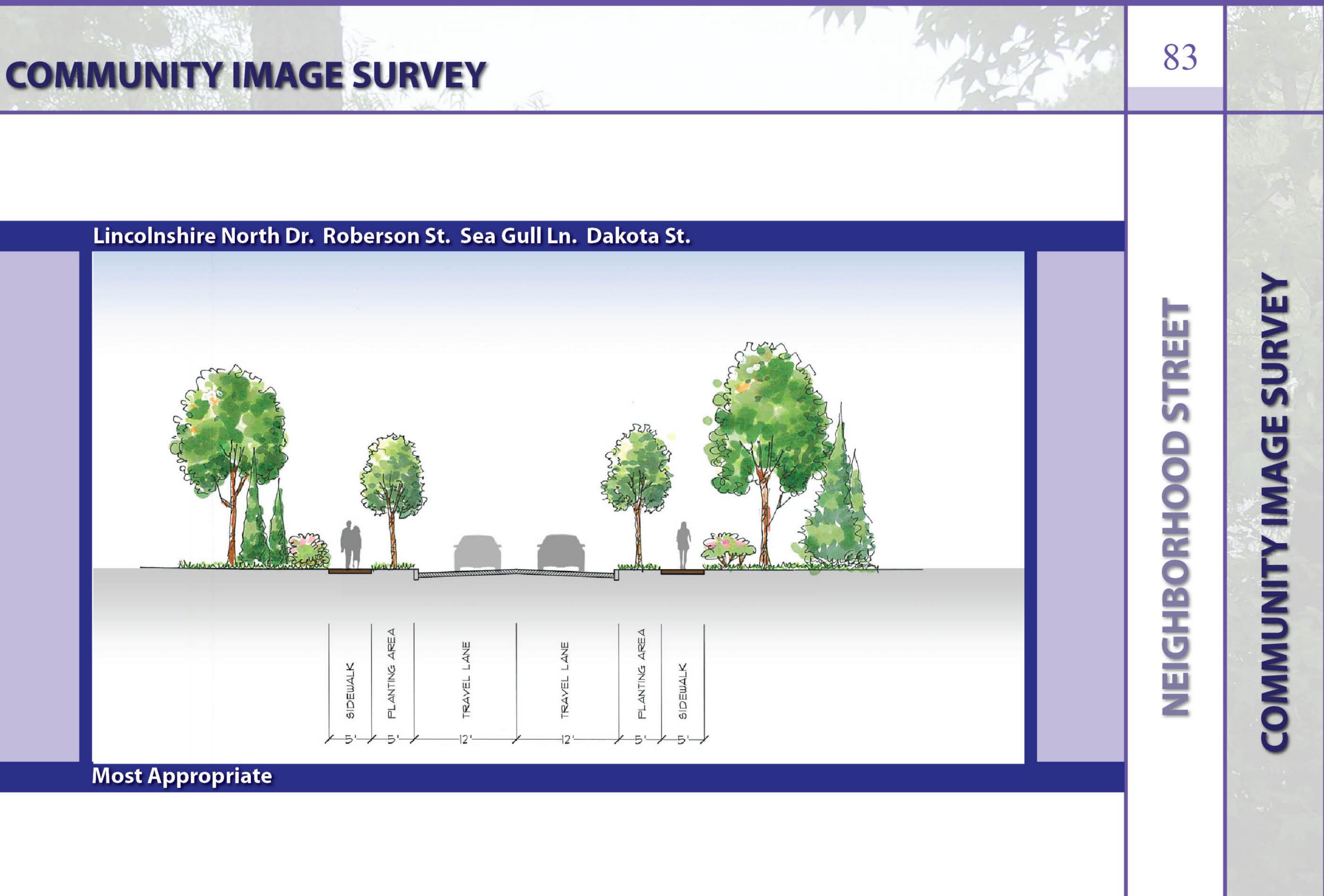
(2) = 40.0%





AT







SIDEWALK	PLANTING AREA	TRAVEL LANE	TRAVEL LANE	PLANTING AREA SIDEWALK	
5'	<u> </u>		12'	1 5 1 5	



84	

3. Cost Estimate (2007 dollar)

A conceptual cost estimate has been prepared for the public areas as well as the streetscapes from the conceptual master plan. In this cost estimate quantities are approximate. This is just a preliminary cost estimate and the costs can either rise or fall. More detailed cost estimates will be developed during the design and development phases of the recommended improvements.

CATALYST #3 - PARK Total Street Amphitheater Baseball Field	8,200 lf of road 1 ea 1 ea	\$125 per lf \$250,000 ea \$175,000 ea		\$1,025 \$250 \$175
8' Wide Asphalt Walking Trails Amenity Center	17,750 lf of trail	\$24 per lf		\$420
Clubhouse	3,600 sf	\$150 per sf		\$540
Pool Pool Decking	180 sf 3,000 sf	\$40 per sf \$6 per sf		\$7 \$18
Plaza Areas Lake Improvements	51,000 sf 1 ls	\$8 per sf \$225,000 lump sum		\$408 \$225
Additional Buildings Tennis Courts	4 ea 4 double courts	\$100,000 ea \$50,000 ea		\$400 \$200
Terrific Courts		950,000 Cu	Cubtotal	
			Subtotal 25% Contingency TOTAL	\$3,674 \$918 \$4,592

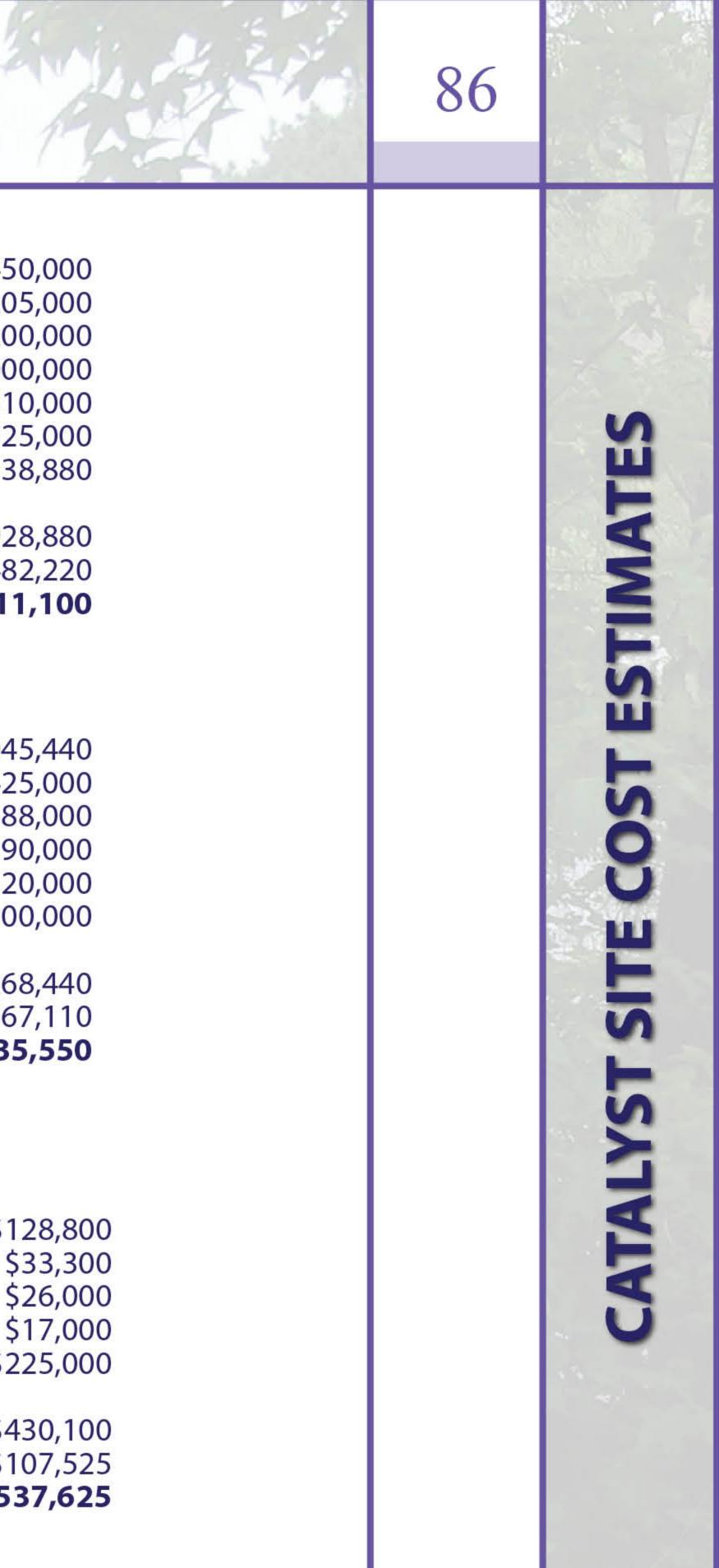
CRANE CREEK PUBLIC AREAS & STREETSCAPE **IMPROVEMENTS PRELIMINARY COSTS**

- 25,000 50,000
- 75,000 26,000
- 40,000 \$7,200 18,000 08,000
- 25,000
- 00,000 00,000
- 74,200 18,550 \$4,592,750



CTINANTE (2007)

COST ESTIMATE	(2007)	AX A		
CATALYST #5 - COMMUNITY CENT Recreational Building Outdoor Basketball Courts Amphitheater Police Substation Neighborhood Entry Sign Outdoor Pavilion 8' Wide Asphalt Walking Trails	TER 44,500 sf 5 ea 1 ea 10,000 ea 1 ea 1 ea 1,620 lf of trail	\$100 per sf \$41,000 ea \$200,000 ea \$100 per sf \$10,000 ea \$25,000 ea \$24 per lf		\$4,450 \$205 \$200 \$1,000 \$10 \$25 \$38
			Subtotal 25% Contingency TOTAL	\$5,928 \$1,482 \$7,411
CATALYST #7 - PUBLIC SPACE Community Green Multi-Purpose Center Neighborhood Pool Spray Fountain North Plaza Area South Plaza Area	261,360 sf 49,500 sf 2,200 sf 1 ea 52,000 sf 110,000 ea	\$4 per sf \$150 ea \$40 per sf \$90,000 ea \$10 per sf \$10 per sf		\$1,045 \$7,425 \$88 \$90 \$520 \$1,100
			Subtotal 25% Contingency TOTAL	\$10,268 \$2,567 \$12,835
FAIRFIELD ROAD STREETSCAPE (Major Collector Street) 4" cal. trees (2 per 40 lf) 2" cal. flowering trees (1 per 25 ft) Shrubs Groundcover Sidewalk Improvements	184 ea 148 ea 1 lump sum 1 lump sum 7,500 lf	\$700 ea \$225 ea \$26,000 lump sum \$17,000 lump sum \$30 per lf		\$12 \$3 \$2 \$1 \$22
			Subtotal 25% Contingency TOTAL	\$43 \$10 \$53



MONTICELLO ROAD STREETSCAPE (Major Collector Street)	
4" cal. trees (2 per 40 lf)	4
2" cal. flowering trees (1 per 25 ft)	3
Shrubs	
Groundcover	
Sidewalk Improvements	10,0

BLUE RIDGE TERRACE STREETSCAPE (Minor Collector Street)	
4" cal. trees (2 per 60 lf) 2" cal. flowering trees (1 per 40 ft) Shrubs	
Groundcover Sidewalk Improvements	

CRANE CHURCH ROAD STREETSCAPE (Major Collector Street)	
4" cal. trees (2 per 60 lf)	2
2" cal. flowering trees (1 per 40 ft)	1
Shrubs	
Groundcover	
Sidewalk Improvements	15,5

466 ea 373 ea 1 lump sum 1 lump sum ,000 lf

\$700 ea \$225 ea \$26,000 lump sum \$17,000 lump sum \$30 per lf

TP.

Subtotal 25% Contingency **TOTAL**

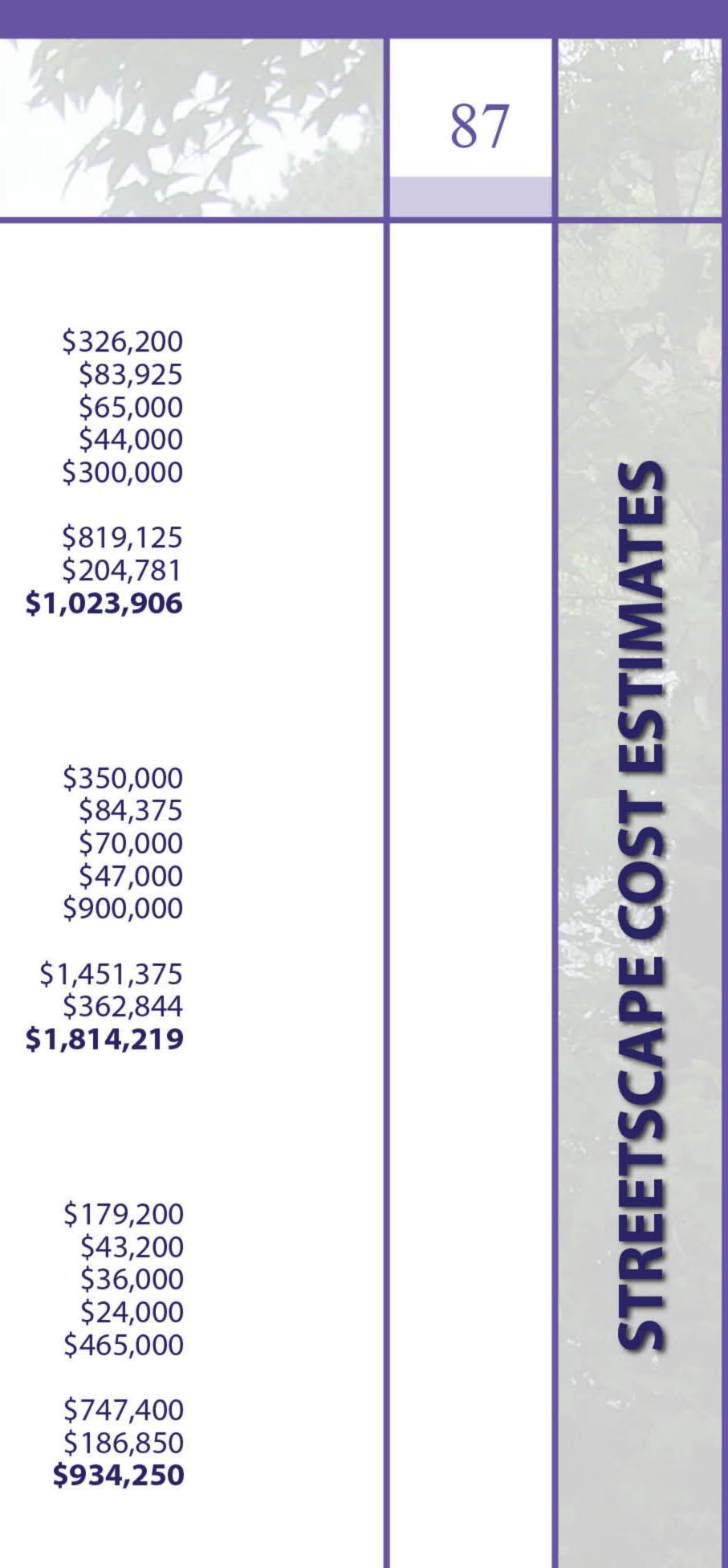
500 ea 375 ea 1 lump sum 1 lump sum 30,000 lf \$700 ea \$225 ea \$70,000 lump sum \$47,000 lump sum \$30 per lf

> Subtotal 25% Contingency **TOTAL**

256 ea 192 ea 1 lump sum 1 lump sum 500 lf

\$700 ea \$225 ea \$36,000 lump sum \$24,000 lump sum \$30 per lf

Subtotal 25% Contingency **TOTAL**



HEYWARD BROCKINGTON ROAD STREETSCAPE (Minor Collector Street) 4" cal. trees (2 per 60 lf) 2" cal. flowering trees (1 per 40 ft) Shrubs Groundcover Sidewalk Improvements

LINCOLNSHIRE NORTH DRIVE STREETSCAPE (Neighborhood Street) Street Trees (1 per 70 lf) Shrubs Groundcover Sidewalk Improvements

ROBERTSON STREET STREETSCAPE (Neighborhood Street) Street Trees (1 per 70 lf) Shrubs Groundcover Sidewalk Improvements

Te.

168 ea 252 ea 1 lump sum 1 lump sum 20,000 lf

\$700 ea \$225 ea \$24,000 lump sum \$15,000 lump sum \$30 per lf

> Subtotal 25% Contingency TOTAL

28 ea 1 lump sum 1 lump sum 8,000 lf

\$700 ea \$4,000 lump sum \$2,500 lump sum \$30 per lf

> Subtotal 25% Contingency TOTAL

105 ea 1 lump sum 1 lump sum 7,500 lf

\$700 ea \$14,500 lump sum \$10,000 lump sum \$30 per lf

Subtotal 25% Contingency TOTAL

88

ESTIMATES

OST

STREET

\$117,600 \$56,700 \$24,000 \$15,000 \$600,000

\$813,300 \$203,325 \$1,016,625

> \$19,600 \$4,000 \$2,500 \$240,000

\$266,100 \$66,525 \$332,625

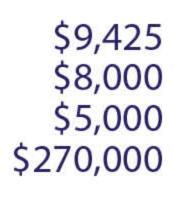
\$73,500 \$14,500 \$10,000 \$225,000

\$323,000 \$80,750 \$403,750



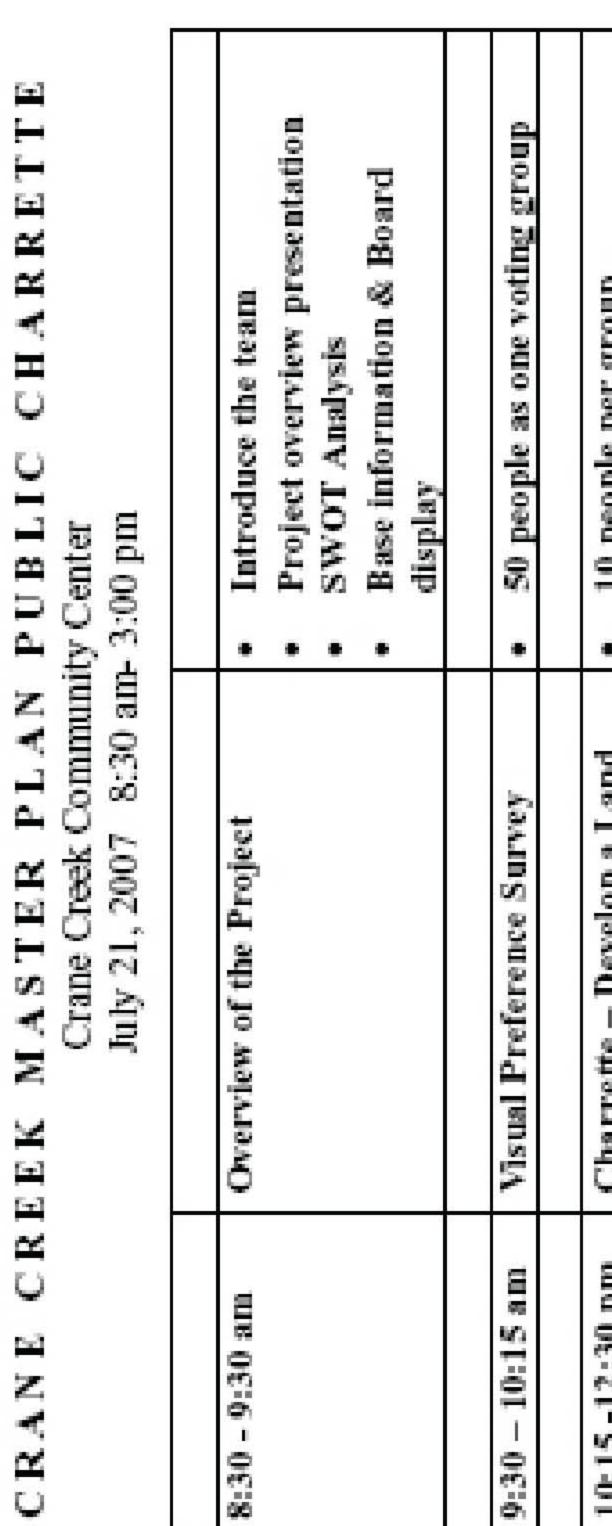
ea lump sum lump sum lf \$350 ea \$8,000 lump sum \$5,000 lump sum \$30 per lf

Subtotal S 25% Contingency TOTAL \$



\$292,245 \$43,864 **\$336,289**





-RICHLANI -H [T] F-] Ν

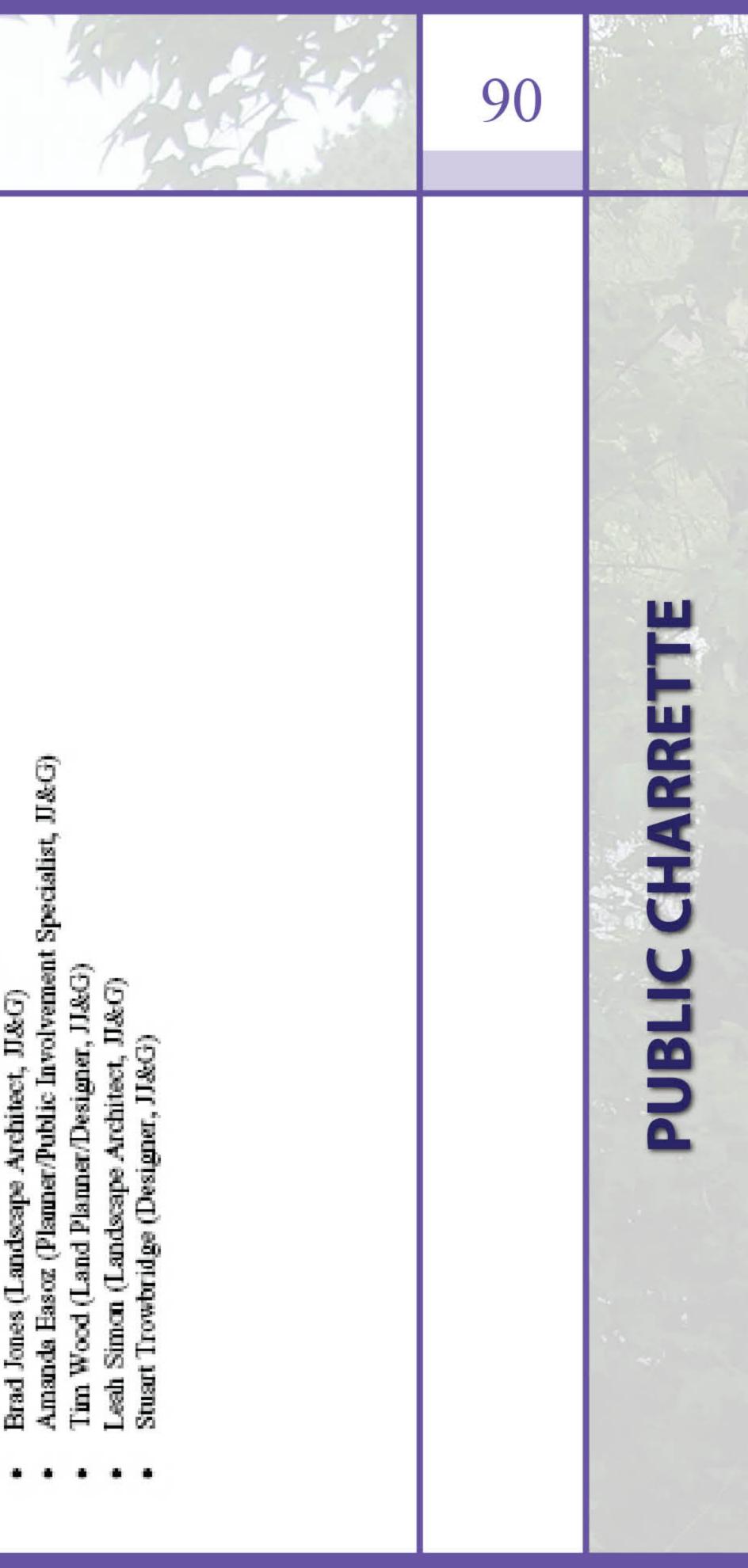
CR



confirmation		
survey, the most voted pictures will be put together for public	result presentation	
Based on the visual preference	Visual Preference Survey	2:30 – 3:00 pm
future land use plans		
 Public will vote for their favorite 		
their Charrette outcome		
will have 10 minutes to present	Vote	
 Group leader from each group 	Group Presentation & Priority	1:00 - 2:30 pm
	Lunch Break	12:30-1:00 pm
will be assigned to each group		
 One facilitator (planner/designer) 		
leader and one note taker	community	
 Each group will elect one group 	Use Plan for the future of your	
 10 people per group 	Charrette – Develop a Land	10:15-12:30 pm

Facilitators

- ichland County) Tiaa B. Rutherford (Neighborhood Planner, R
- Richland County) , JJ&G) •
- Monique Mack (Neighborhood Coordinator, R Jon Davis (Land Planner/Landscape Architect, .
 - .
- .
- Sheri Williamson (Engineer, JJ&G) Grace Zhang (Land Planner/Designer, JJ&G) Brad Jones (Landscape Architect, JJ&G) Amanda Easoz (Planner/Public Involvement Sj
- pecialist, JJ&G)





200721, JULY CHARRETT UBLIC 7 A. COMMENT FORM Please use this sheet to formally submit y CRANE CREEK MASTER PI

comments. 'ww

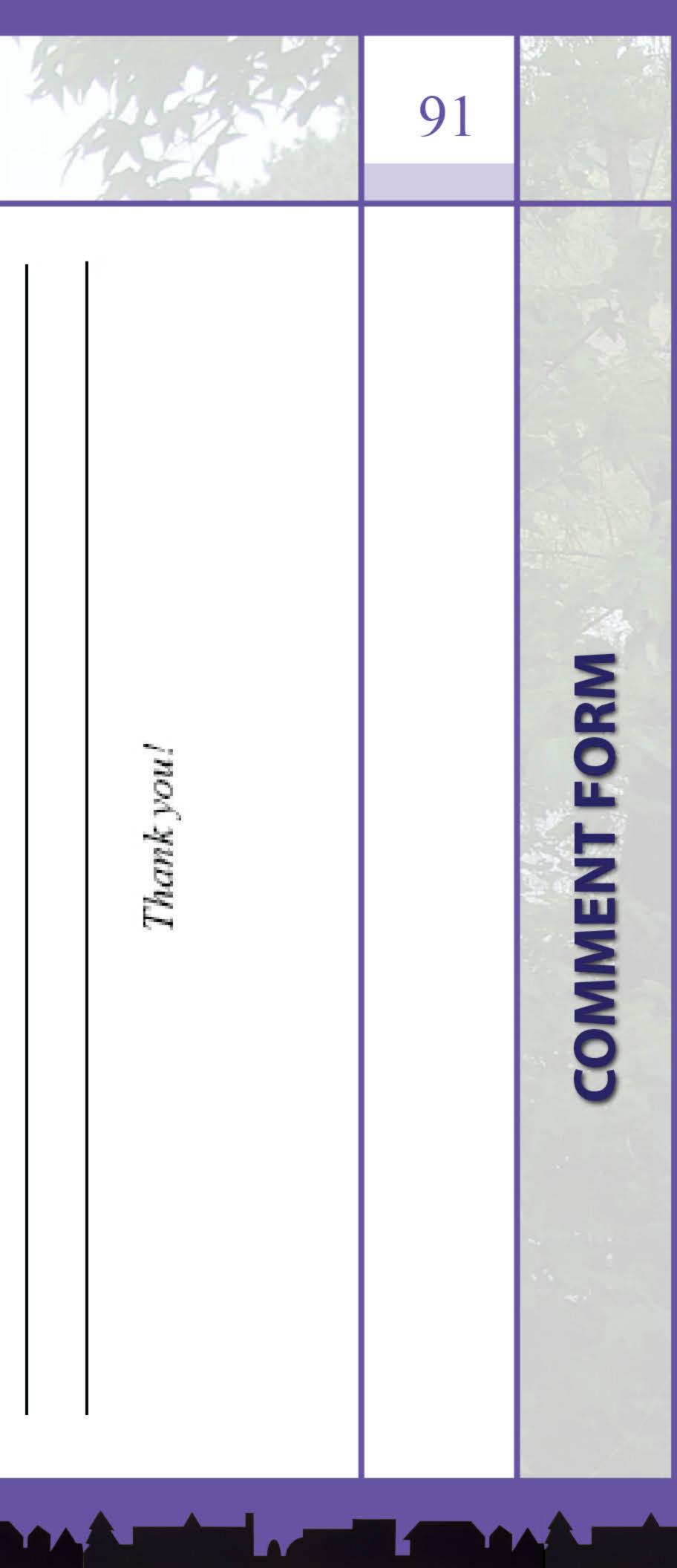
and why? 416 Which plan did you think was the best



plan? opular α, most Ф, Ð 2 What changes would you like to make

addressed? þ 2 need that neighborhood any additional needs in your Are there

General Comments



APPENDIXES

Flood Hazard Zone Designations

Zone A

Zone A is the flood insurance rate zone that corresponds to the 100-year floodplains that are determined in the Flood Insurance Study by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no Base Flood Elevations or depths are shown within this zone. Mandatory flood insurance purchase requirements apply.

Zone AE and A1-A30

Zones AE and A1-A30 are the flood insurance rate zones that correspond to the 100-year floodplains that are determined in the Flood Insurance Study by detailed methods. In most instances, Base Flood Elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone. Mandatory flood insurance purchase requirements apply.

Zones B, C, and X

Zones B, C, and X are the flood insurance rate zones that correspond to areas outside the 100-year floodplains, areas of 100-year sheet flow flooding where average depths are less than 1 foot, areas of 100-year stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 100-year flood by levees. No Base Flood Elevations (BFE) or depths are shown within this zone.















