

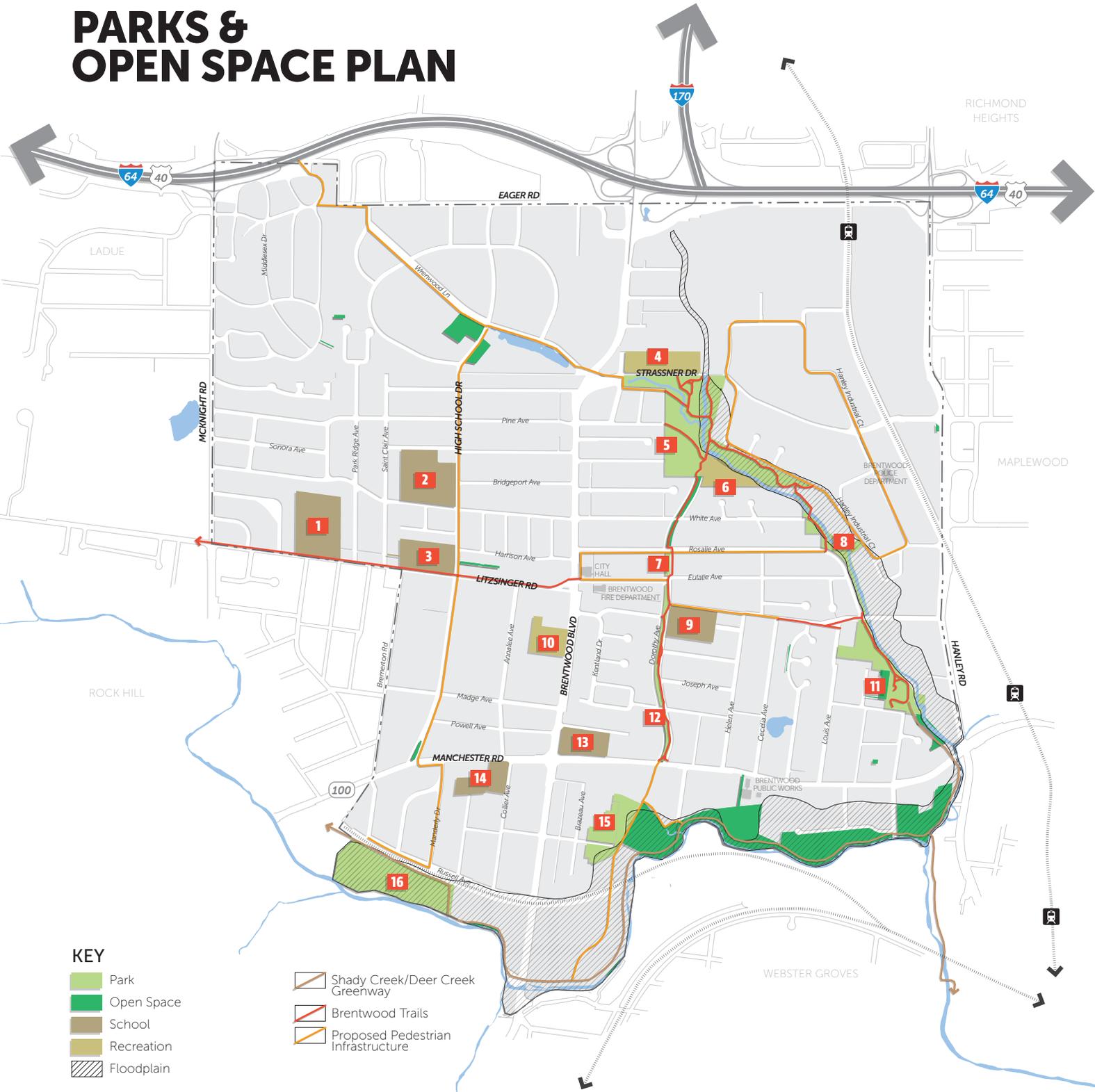
CHAPTER 9

OPEN SPACE, RECREATION & ENVIRONMENTAL FEATURES PLAN



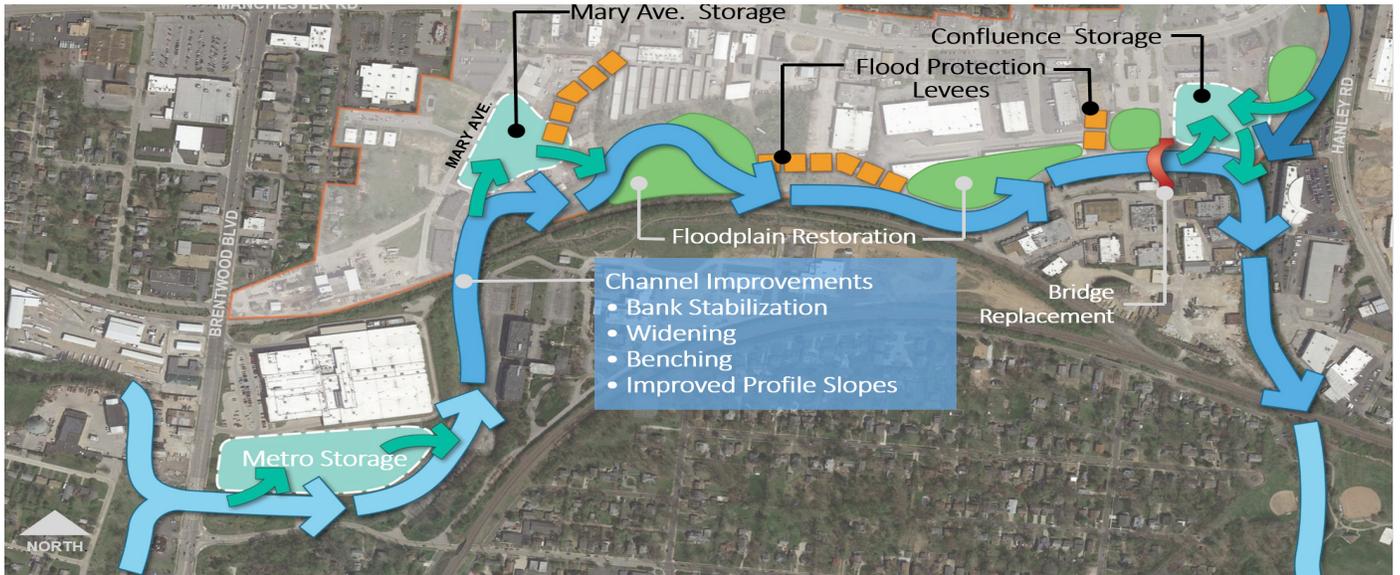
Brentwood's trail system, parks, open space, and creeks significantly contribute to the community's character, image, desirability, and quality of life. These elements provide important pedestrian amenities and should be preserved, expanded, better connected to one another, and better integrated within the community. The Open Space, Recreation & Environmental Features Plan provides a policy framework to ensure the long-term viability of Brentwood's recreation and natural resources. The plan presents an overview of the City's existing parks and open space systems and provides recommendations for their expansion, enhancement, and increased connectivity.

PARKS & OPEN SPACE PLAN



- 1** Mt. Calvary Lutheran Preschool
- 2** Brentwood Middle & High School
- 3** McGrath Elementary School
- 4** Mid-County Family YMCA
- 5** Memorial Park
- 6** Brentwood Swim & Tennis Club
- 7** Broughton Park
- 8** Lee Wynn Trail

- 9** Mark Twain Elementary
- 10** Brentwood Recreation Complex
- 11** Oak Tree Park
- 12** Rogers Parkway
- 13** St. Mary Magdalen Catholic School
- 14** Elaine Rosi Academy
- 15** Norm West Park
- 16** Brentwood Park



Deer Creek Flood Mitigation Project

BRENTWOOD PARKS & RECREATION

The City's Parks & Recreation Department is responsible for the City's park system, which includes Brentwood Park, Broughton Park, Hanley Park, Memorial Park, Norm West Park, Oak Tree Park, and Rogers Parkway. The Parks & Recreation Department aims to provide the Brentwood community with spaces and opportunities for a sustainable future that best serve the community's evolving needs. Programmed events through the Parks & Recreation Department include – but are not limited to – sports camps, skating, LEGO engineering camps, classes, and concerts. The Parks & Recreation Department is also responsible for the Brentwood Recreation Complex, which provides the community with an ice arena and meeting spaces to host various events and leagues.

IMAGE & IDENTITY

Offering high-quality parks and recreation within the City will strengthen the image and identity of Brentwood. Continuing to provide attractive and popular parks and open space areas will improve the quality of life for residents. The City should undertake the following recommendations to strengthen the City's image and identity through quality parks and open space:

- Market the City's parks, open space, environmental features and recreational amenities to both residents and visitors.
- Support the use of larger parks such as Hanley and Memorial Park to hold 5K run events.
- Create similar trail system such as Rogers Parkway and connect with regional trail system such as Great Rivers Greenway trails that will support walking and biking throughout the region which will also attract visitors to the area.
- Implement the signage and graphics standards developed by the Parks and Recreation department and continue the design and color theme to other City's signage to build a unified signage system.

DEER CREEK FLOOD MITIGATION

Flooding from Deer Creek is one of the most frequently cited issues throughout the planning process, which has impacted residential neighborhoods and businesses along Manchester Road. In recent years, flooding has damaged homes and local businesses, and has worsened in areas with that have experienced demolition and larger redevelopment projects.

The City is pursuing planned improvements to the Deer Creek Corridor to accommodate additional stormwater management and reduce flooding along Manchester Road. The Deer Creek Flood Mitigation Project includes water storage on Mary Avenue, floodplain bench and restorage, water storage at the confluence of Deer Creek and Black Creek, and levees at Bompert Avenue and Brentwood Industrial Drive. In addition, the project will include widening Deer Creek, and constructing consistent slopes for streambank restoration.

The City should continue addressing flood issues along Manchester Road and Brentwood Boulevard by integrating green infrastructure and best management practice (BMPs) techniques into renovations and redevelopment. This can be accomplished through the installation of vegetative bioswales, rain gardens, permeable pavers, and porous asphalt. The City should also work with property owners to retrofit existing parking lots and building sites with green infrastructure to reduce flooding and stormwater runoff in the future and beautify the area.



KEY:

- A. RELOCATED DRIVEWAY
- B. UNDERPASS
- C. RELOCATED MARY AVENUE
- D. RECONFIGURED PARKING LOT
- E. FUTURE DOG PARK
- F. NORM WEST PARK
- G. TRAILHEAD PARKING AND PLAZA
- H. RAILROAD OVERPASS
- I. WETLAND RESTORATION
- J. STREAM BANK RESTORATION
- K. DEER CREEK BRIDGE
- L. WETLAND OVERLOOK
- M. DEER CREEK TRAILHEAD AND PARKING

Deer Creek Greenway Connector

TRAIL NETWORK

Brentwood’s trail network needs improved connectivity to establish a complete trail system and an interconnected parks system. Existing trails include the Dogwood Trail, Red Bud Trail, Maple Trail, and Oak Trail, and Rogers Parkway, which connect Broughton Park, Hanley Park, Memorial Park, and Oak Tree Park. The proposed Brentwood Trail, which is expected to begin at McKnight Road and run east along Northcote Road, Wrenwood Lane, and Strassner Drive, will improve trail connectivity in the City’s northeast side. The City should continue coordinating its plans expand its sidewalks and multi-use trails to create a complete trail network and establish connections to Norm West Park, Brentwood Park, and the Brentwood Recreation Complex.

Proposed Future Pedestrian & Trail Connections

The City is currently in the planning and implementation stages for a handful of proposed trails and pedestrian connectors. Future trails and connectors are intended to connect with the Litzsinger Pedestrian Improvement, which is an existing pedestrian improvement zone lined by ornamental lighting located on east of McKnight Road, as well as other trails, parks, and open spaces in the City’s parks and open space system. The following list and describes Brentwood’s future pedestrian and trail networks:

- The City is in the process of implementing the Rosalie Connector, which will extend the Litzsinger Pedestrian Improvement to the east. The Rosalie Connector will consist of sidewalks lined with ornamental lighting.
- The City is planning for a pedestrian connection along High School Drive, which will connect with the Litzsinger Pedestrian Improvement.
- The City has proposed the creation of a future trail along Strassner Drive and Wrenwood Lane. The trail, which is still in early stages of planning, is planned to terminate near I-64. This trail will accommodate pedestrians and cyclists.

Deer Creek Greenway Connector

Brentwood’s partnership with the Great Rivers Greenway to construct the Deer Creek Greenway Connector trail will increase trail connectivity throughout the City and establish an attractive pedestrian amenity. The Deer Creek Greenway Connector is proposed to run along the north side of Deer Creek and connect with Manchester Road and additional trail networks from Rogers Parkway and a trail connection just west of Hanley Road. This project will ultimately connect trail with the Shady Creek/Deer Creek Greenway. The City should continue pursuing these improvements to establish a safe, well-connected trail system for its residents and visitors.

SUSTAINABILITY

Beyond environmental sustainability, parks and open space can also contribute to other aspects of sustainability, including economic sustainability and cultural sustainability. To these ends the City should consider the following recommendations when constructing or renovating parks and recreation facilities to support sustainability:

- Ensure high-quality parks and recreational facilities exist in the City to attract visitors to the area that will add to the economy and support local businesses.
- Incorporate rain gardens with native plants into streetscaping throughout the City.
- Include “best management practices” and green building techniques such as pervious paver parking lots and the use of native plantings.
- Encourage the addition of energy saving construction techniques and the use of solar or wind generating energy sources.
- Continue to hold community events and festivals at public parks to support quality of life and to attract visitors to the area.

PARKS, OPEN SPACE & ENVIRONMENT OBJECTIVES

Establish and maintain accessible, high-quality parks and recreation facilities for all of Brentwood's residents to enjoy.

- Connect existing and proposed trails with the Shady Creek/Deer Creek Greenway.
- Incorporate public artwork into Brentwood's trail system.
- Establish a complete, interconnected pedestrian and bicycle trail network throughout Brentwood.
- Work with the Parks and Recreation Department to identify grants and secure alternative funding for parks, open space, trail segments, trail connections, and other recreation amenities for the community.
- Work with the Parks and Recreation Department to install wayfinding signage along trails and greenways to improve access to Brentwood's outdoor recreation.
- Work with the Parks and Recreation Department to provide mini park on the west side of Brentwood Blvd at Litzinger Road.
- Develop a partnership with the Brentwood School District to explore additional improvements and joint school grounds and indoor facilities.

Ensure the preservation, protection, and enhancement of the City's tree population and floodplain to minimize flooding, promote environmental stewardship, and maintain healthy, diverse ecosystems.

- Monitor and enforce zoning, development, and other appropriate regulations to protect and maintain floodplains, flood-prone areas, wetlands, remnant natural areas, mature native tree stands, and other environmentally-sensitive landscape elements.
- Work with the Parks and Recreation Department to install environmental education and interpretive signage throughout the community in locations with natural areas and environmental assets.
- Minimize the amount of impervious surface created by new development to reduce long-term contributions to stormwater runoff.
- Encourage and promote native landscaping around the perimeter of stormwater detention facilities.
- Establish policies and best practices to ensure that development and infrastructure projects do not represent a threat to wooded areas to maintain and enhance the City's existing tree population.
- Continue the ongoing maintenance of City trees.

