

# Around SouthField

## A Model of Sustainability

**Respect for the natural environment is at the core of everything we do**, and SouthField will incorporate forward-thinking design and engineering into all aspects of the project. Whether it be transportation, water quality, open space, energy or natural resource conservation, our goal is to enhance the quality of life for people today and ensure that the needs of future generations are met.

### *Smart Growth*

The vision for SouthField is to build a vital community where people can work, live and play while enjoying a connection to nature and all of the site's precious resources. Poised to be a national model for transit-oriented, Smart Growth development, SouthField's thoughtful Sustainable Design Guidelines promote:

- superior site planning
- natural resource conservation
- environmental protection
- green building construction

LNR Property Corporation and South Shore Tri-Town Development Corporation received the state's Smart Growth award from the State's Office of Commonwealth Development for SouthField, the "poster child for the types of developments that are needed in this state."

### *LEED-ND Silver*

SouthField's built environment is strongly influenced by the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) standards. Over the past seven years, LEED has been the voluntary national standard for sustainable building. The entire SouthField development is following LEED® guidelines for sustainable neighborhoods, working to achieve Silver certification.



*The LEED rating systems and the process of LEED certification are important to the entire SouthField development. We are honored to participate in the LEED-ND pilot program, the premier program for recognizing sustainable neighborhoods and contributing to the betterment of the built environment.*



*Open space is a precious resource and green space is one of SouthField's special hallmarks.*



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### *Did you know:*

- SouthField is limiting environmental impacts by concentrating construction in previously developed areas around the transit station, in the core of the site, and on existing roadways. People living and working at SouthField will have convenient access to the MBTA and all its neighborhoods, services and amenities by foot, bike or shuttle.
  - Material from runway demolition is being crushed and recycled on-site to reduce waste produced and transported from the site. SouthField will use recycled materials to build roads, sidewalks, and other infrastructure, as well as in fixtures such as benches, and in recreational structures such as playing fields.
  - Open space is a precious resource and green space is one of SouthField's special hallmarks. From natural wilds to formal parks, over 1,000 acres of land – more than 70% of the site – will be open to the public as permanently preserved open and recreation space, including majestic forests, grasslands and wetlands.
  - New trails and overlooks will make it easier to observe and enjoy native species and their habitats, such as various species of birds, turtles, butterflies, dragonflies, frogs, newts and woodpeckers!
  - SouthField is helping to protect the site's wetlands by maintaining buffer zones, preventing disturbance during construction.
  - Infrastructure has been designed to promote resource conservation, including water conservation. SouthField is implementing an environmentally sustainable approach to wastewater treatment that captures, treats and re-uses wastewater on-site, thereby recharging local groundwater and improving environmental and ecological conditions.
  - Opportunities to produce energy on-site using renewable sources are being explored, in collaboration with the Massachusetts Division of Energy Resources. Possibilities include solar photovoltaics and biomass fuel combined heat and power. SouthField developers will be encouraged to consider renewable energy generation opportunities, and to design and build sustainable, energy-efficient buildings.
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- Several features will help protect air quality. For example, alternative transportation options will help protect local and regional air quality; the protection and enhancement of green space will help filter pollutants from the air and improve local air quality; and green construction practices will reduce potential impacts to local air quality during demolition and building.
  - SouthField's significant open space areas are home to numerous wildlife species that live in the site's wetlands, vernal pools, grasslands and upland forests. We are committed to ensuring that SouthField protects these species and enhances their habitats.
  - Open space lessens air and water pollution, improves water quality in streams and wetlands, and provides venues for recreation. SouthField preserves existing open space and wildlife habitat and re-establishes key linkages among habitats, improving their productivity. For example, SouthField will restore grassland bird habitats with permanent conservation restrictions as well as provide monitoring and maintenance.
  - Barriers and crossing structures will be installed in the East-West Parkway to protect turtles and other species from harm.
  - The links-style golf course, with sweeping grasslands and buffer-protected wetlands, will be constructed and managed with the highest environmental standards to conserve and protect wildlife habitat and environmental quality.

