

# SUSTAINABLE SITE DEVELOPMENT

OFFERS ANY DEVELOPER AN EDGE

The Sustainable Site Development process promotes synchronicity of economic development, community well-being, and environmental stewardship.

## WORKFORCE & COMMUNITY HEALTH CONSIDERATIONS



Air pollution affecting your site may be intensified if natural buffers are removed from the development area. Additionally, the surrounding community may attribute air pollution to developmental and operational activities.

**Tree preservation at your site can aid in the reduction of air pollutants such as NO<sub>2</sub>, CO, O<sub>3</sub>, SO<sub>2</sub>, and PM<sub>10</sub> in your development area, which may promote workforce and community health when compared to conventional site development.<sup>1</sup>**



Noise pollution affecting your workforce may be intensified when natural buffers are removed from your development area. Additionally, the surrounding community may attribute noise pollution to developmental and operational activities.

**Retaining a natural buffer at your site can reduce the noise pollution that enters your grounds from roadways or surrounding activity while simultaneously decreasing the community impact of noise produced by your operations.<sup>2</sup>**



When green spaces are replaced by concrete, asphalt, and buildings, the local heat island effect may be exacerbated. Extreme heat threatens workforce well-being and infrastructure longevity, as concrete is more susceptible to buckling and asphalt to deforming.

**Retaining or installing tree canopy and vegetation at your site can moderate temperature, leading to reduced cooling and infrastructure maintenance costs, while reducing workforce and community exposure to extreme heat.<sup>3</sup>**



## \$1 TRILLION

Worth of global productivity lost annually to anxiety & depression<sup>4</sup>

**NATURE EXPOSURE HAS BEEN LINKED TO**

**Stress Reduction**

**Attention Restoration**

**Improved Mood**

Maintaining green space and interactive landscaping at your site can promote employee & neighbor resilience.<sup>5,6</sup>

## PROACTIVE PLANNING & COMMUNITY RELATIONSHIPS

Planning a harmonious transition from your developed site to the surrounding community, or integration of your site with surrounding pedestrian infrastructure, can go a long way in fostering a healthy business-community relationship and may prove to be the edge you need to move a development forward.



**SUPPORT URBAN BIODIVERSITY**



**PROMOTE WATERSHED HEALTH**



**CREATE A SUSTAINABLE LEGACY**

## THE SUSTAINABLE SITE DEVELOPMENT PROCESS



### CONSULTATION

Discussion of project goals with a certified arborist, engineer-in-training, and experienced landscape design team.



### SITE ASSESSMENT

Identification of trees, shrubs, and vegetation that can be protected during construction.  
Identification of areas ideal for strategic green space, including drainage areas.



### DESIGN RENDERING

Overview of land use onsite.  
Visualization of landscaping plans, including hardscaping, plant selection, water features, and drainage features.



### IMPLEMENTATION

Tree & vegetation protection zones established  
Land clearing, landscaping, and final touches to integrate your development with the surrounding area.

