TRUEGRID®
True to your project. True to the environment.

1-855-355-GRID (4743)

# Product Execution of
# The Institute for Sustainable Infrastructure *Envision* Goals

TRUEGRID Pavers, used in the following ways, may contribute to Envision Certification.

## Quality of Life

**QL1.4** Improve Noise & Vibration

- Plastic Permeable Pavers Reduce Driving Noise compared to Asphalt and Concrete and Interlocking Concrete Pavers when grass filled

**QL1.6** Minimize Construction Impacts

- TRUEGRID can reduce the site footprint by combining parking and stormwater detention/management into one area essentially eliminating stormwater detention ponds. TRUEGRID surfaces can also decrease a constructed area by creating multi-use areas – grass structural access roads/parking can be used for recreation, festival venues, and pedestrian areas.

## Leadership

**LD2.4** Plan for End of Life

- TRUEGRID is 100% recyclable after it's 25 to 60-year lifespan. HDPE plastic can be crushed, ground, pelletized, and re-molded and repurposed.

## Resource Allocation

**RA1.2** Use Recycled Materials

- TRUEGRID is made from 100% post-consumer recycled HDPE plastic.

**RA1.5** Balance Earthwork On Site

- By combining surfaces into multi-functional areas, TRUEGRID can reduce the total volume of excavation and the total area of development. Water detention can be done in the cross-section of TRUEGRID eliminating other treatment areas completely. Combining overflow parking or access roads with pedestrian recreation and activity areas can greatly decrease the need for development.

ADA COMPLIANT

MADE IN U. S. A.

**RA1.5** Preserve water Resources

- A TRUEGRID permeable paver system will filter and remove pollutants and contaminants from rainwater runoff prior to reaching the groundwater supply, creeks, rivers, or reservoirs. Filtration through bioremediation and physical removal keep water resources cleaner and on-site.

## Natural World

**NW2.2** Manage Stormwater

- Reduced runoff, pollutant filtering and removal, and stormwater detention and retention can all be achieved by the use of the TRUEGRID permeable paving system, which mimics nature in its storm water absorption.

**NW2.4** Protect Surface & Groundwater Quality

- Onsite pollutant removal and filtering prevents downstream and groundwater contamination. TRUEGRID prevents runoff thereby reducing destructive water velocities, temperatures, and volumes in surface waters. Groundwater quality is increased by onsite filtering and pollutant removal of polycyclic-hydrocarbons, metals, landscape chemicals, airborne particulates, and animal waste.

**NW3.4** Control Invasive Species

- TRUEGRID permeable paving can reduce the occurrence of standing water, puddles and the need for long-term detention thereby reducing breeding grounds for mosquitos. TRUEGRID's grid structure also prevents ground-burrowing animals from migrating into gravel or grass surface areas.

## Climate and Resilience

**CR1.1** Reduce Net Embodied Carbon

- TRUEGRID is made from 100% recycled HDPE. The use of recycled HDPE has a significant net carbon reduction compared to concrete or asphalt.

**CR1.1** Reduce Greenhouse Gas Emissions

- Reduction of the Urban Heat Island through gravel and grass surfacing in TRUEGRID has a subsequent effect of reducing summertime use of air-conditioners. Reduced localized temperatures have a direct correlation with reduced air-conditioning use, thereby reducing energy consumption and greenhouse gas emissions.