



V.A.

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October 15, 2009

Architectural Review Board
City of Chesterfield
690 Chesterfield Parkway West
Chesterfield, MO 63017

Re: Green Screening Methods: A presentation and discussion regarding the use of methods of plant based hybrid screening for commercial properties.

Board Members:

The use of live plants supported by a structure has become an increasingly popular method of enhancing building exteriors as well as a means to providing screening to parking areas, building equipment etc. Several locations throughout the St. Louis region have implemented such design and staff expects to see requests for similar designs within Chesterfield in the near future.

Submittal Information

The submittal includes displays of typical building mounted and freestanding installations that have been used locally as well as throughout the country.

Departmental Input

The architectural guidelines provide specific direction for the design of both walls and fences as well as screening.

Walls and Fences

- Design sound walls, masonry walls, and fences to minimize visual monotony through changes in plane, height, material or material texture.
- Present fencing design and materials in the Architect's Letter of Intent submitted for review. Chain link fencing is discouraged; additionally, chain link fencing with wood or any type of inserts or lining is not considered suitable.

Screening

- Use screening materials for exterior trash and storage areas, service yards, loading docks, and ramps, wood service poles, electric and gas meters, irrigation back flow

prevention devices, and transformers that are substantial, durable, opaque and well designed.

- Integrate the design of fencing, sound walls, carports, trash enclosures, rooftop screening, and similar site elements into the building design and construct with similar materials.

Actions Requested

The Department of Planning and Public Works requests input from the Architectural Review Board on the use of plant materials with regard to architectural design and how they conform to the Architectural Review Board Guidelines.

Respectfully Submitted,



Charlie Campo
Project Planner

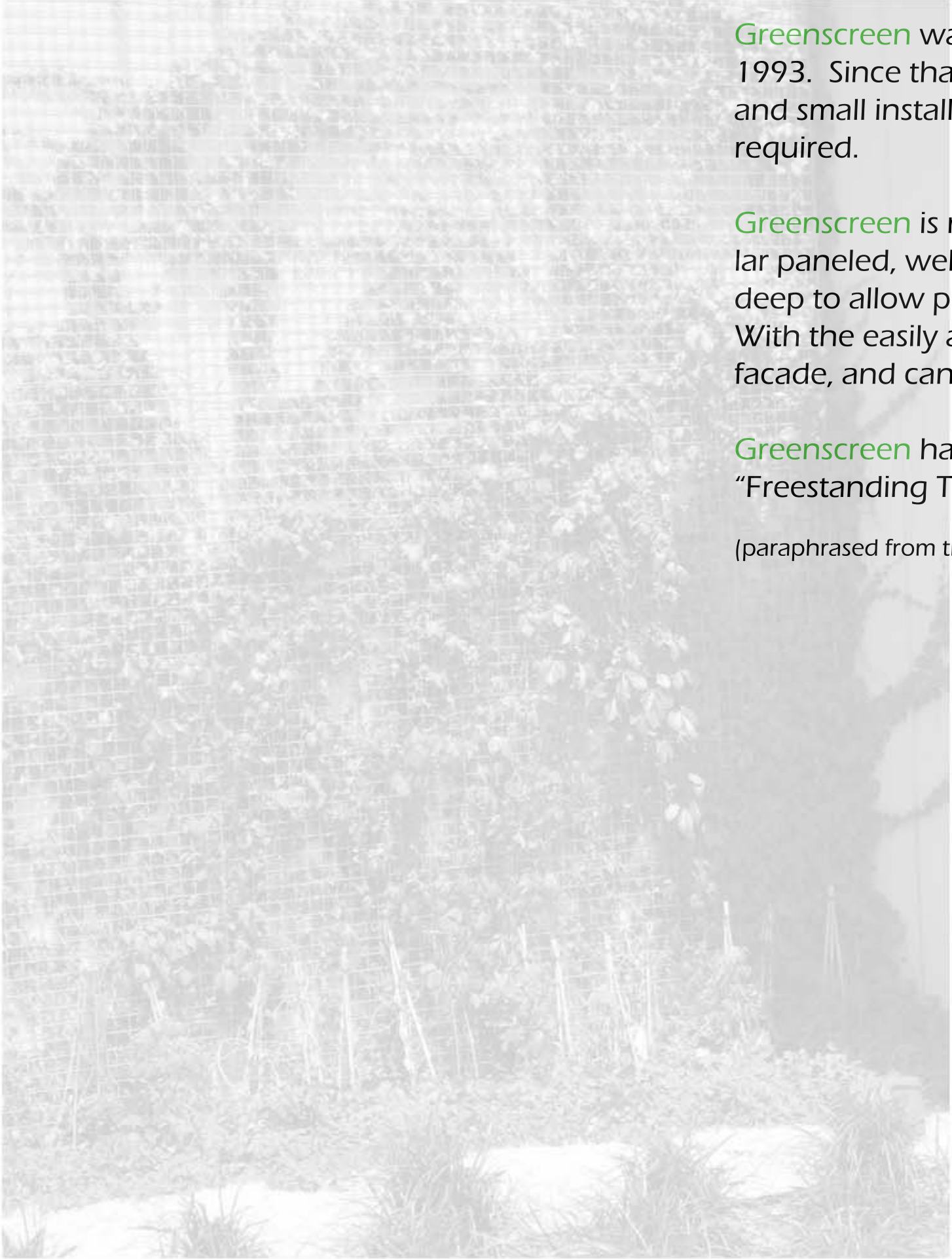
Respectfully Submitted,



Mara M. Perry, AICP
Senior Planner

Attachments

1. Architectural Review Packet Submittal



Greenscreen was introduced in Southern California at the City Walk mixed-use program in 1993. Since that initial project there are now hundreds of greenscreen projects both large and small installed nationally and internationally where vertical landscape elements are required.

Greenscreen is manufactured from recycled steel, this three dimensional, distinctive modular paneled, welded wire trellising system creates a “captive growth space” three inches deep to allow plant materials to intertwine and promote healthy growth within the panel. With the easily adaptable system of attachment clips, the panel can attach to a building facade, and can span openings between floors or horizontally between posts.

Greenscreen has several elementary styles. The element in question is the “Freestanding Trellis Fence” - for extended screening and fencing applications.

(paraphrased from the website: www.greenscreen.com)



AGGRESSIVE DECIDUOUS VINES



AND



EVERGREEN VINES

INCREASE URBAN VEGETATION

REDUCE GREENHOUSE GASES

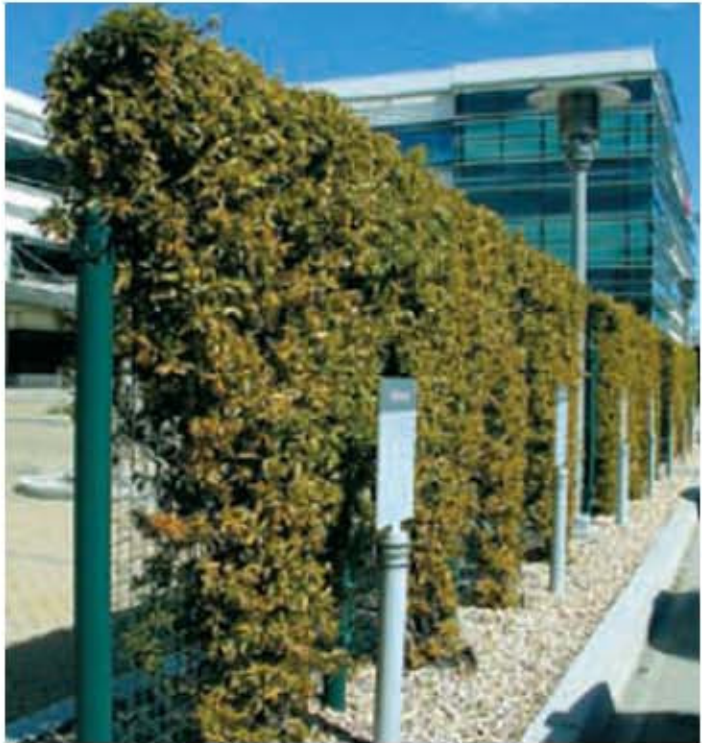
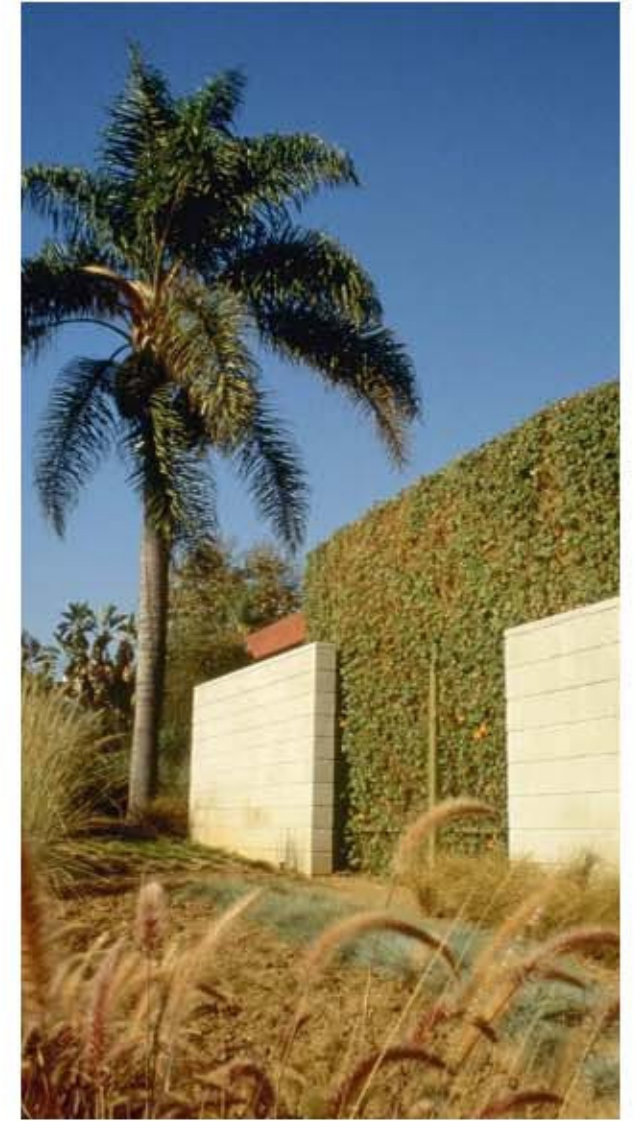
REDUCE HEAT ISLAND EFFECT

REDUCE HEAT ISLAND EFFECT

INCREASE HABITATS



NATIVE VINES



GREENSCREEN SCREEN WALLS



LOCAL INSTALLATION : JOHN BURROUGHS SCHOOL, ST. LOUIS, MO 63124