

Source: Public Works

John

Agenda Item No: REP 126-13

To: **City Council**
From: **City Manager and Staff**

Council Meeting Date: Aug 19, 2013

Re: FilterPave Donation Project for City Hall

EXECUTIVE SUMMARY:

Staff has prepared for Council consideration a report concerning the replacement of four porous concrete parking spaces, located in the area just north of the Finance drive-through behind City Hall, with a new innovative product. To provide an opportunity to display their product to the public, FilterPave would provide this service free of charge.

DISCUSSION:

FilterPave, a locally owned company in Columbia, has approached City staff about possibly replacing four porous concrete parking spaces on the north side of City Hall (see attached diagram). The offer is a free donation to the City as an opportunity for the company to display their product. All City contracting and construction requirements will be met by the Filterpave contractor. The following information is from their brochure:

"The FILTERPAVE™ system is the newest green evolution in hard-surfaced porous pavements, with features, performance and environmental benefits that vastly surpass standards for pavements of its kind. The FilterPave porous pavement system is truly in a class by itself. Highly-Aesthetic Surface: With architectural aesthetics, the FilterPave surface is an attractive and colorful mosaic of recycled variant-colored glass bonded with a high-strength natural binder. Color varies by region and optional color enhancements are available. High Porosity: The structurally-sound system is twice as porous as other hard-surfaced porous pavements, resulting in a greater reduction of stormwater runoff. High Percent Use of Recycled Materials: The pavement utilizes a high percentage (~90%) of 100% post-consumer recycled glass in the mix, allowing the constructive use of abundant materials that are traditionally landfilled. The specially-processed and bonded glass is as safe as any traditional surface on which to walk or drive." More information can be found at www.FilterPave.com.

FilterPave has also expressed an interest in working with the City on utilizing space at the Landfill to see what initiatives can be worked out with our recycled glass and its components. A report with specifics will be forthcoming.

FISCAL IMPACT:

There is no cost to the City for the replacement of the four porous concrete parking spaces behind City Hall.

VISION IMPACT:

<http://www.gocolumbiamo.com/Council/Meetings/visionimpact.php>

Columbia residents and businesses conserve all the community's natural resources, work cooperatively to apply best planning practices, model energy efficiency, transition to renewable energy, and approach zero waste generation.

SUGGESTED COUNCIL ACTIONS:

Accept the donation and direct staff to work with FilterPave to replace the porous concrete in the parking area north of City Hall.

FISCAL and VISION NOTES:					
City Fiscal Impact Enter all that apply		Program Impact		Mandates	
City's current net FY cost	\$0.00	New Program/ Agency?	Yes	Federal or State mandated?	No
Amount of funds already appropriated	\$0.00	Duplicates/Expands an existing program?	No	Vision Implementation impact	
Amount of budget amendment needed	\$0.00	Fiscal Impact on any local political subdivision?	No	Enter all that apply: Refer to Web site	
Estimated 2 year net costs:		Resources Required		Vision Impact?	Yes
One Time	\$0.00	Requires add'l FTE Personnel?	No	Primary Vision, Strategy and/or Goal Item #	9
Operating/ Ongoing	\$0.00	Requires add'l facilities?	No	Secondary Vision, Strategy and/or Goal Item #	
		Requires add'l capital equipment?	No	Fiscal year implementation Task #	

E Walnut Street

Parking Plaza

N 8th Street

alleyway

N 7th Street

Proposed parking spaces to be replaced with filter pave.

City of Columbia

E Broadway



0 20 40 80 Feet



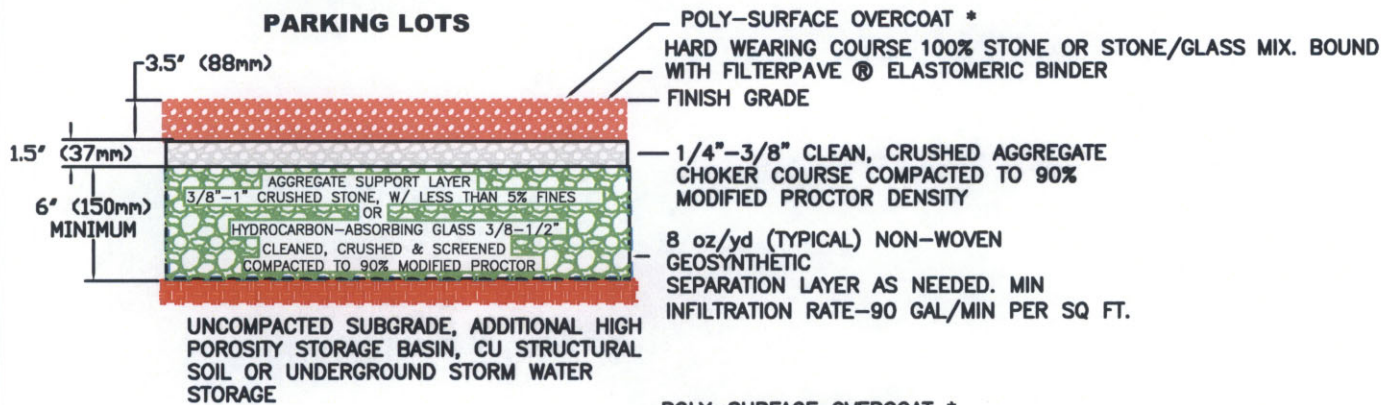
Project Area

City of Columbia Public Works

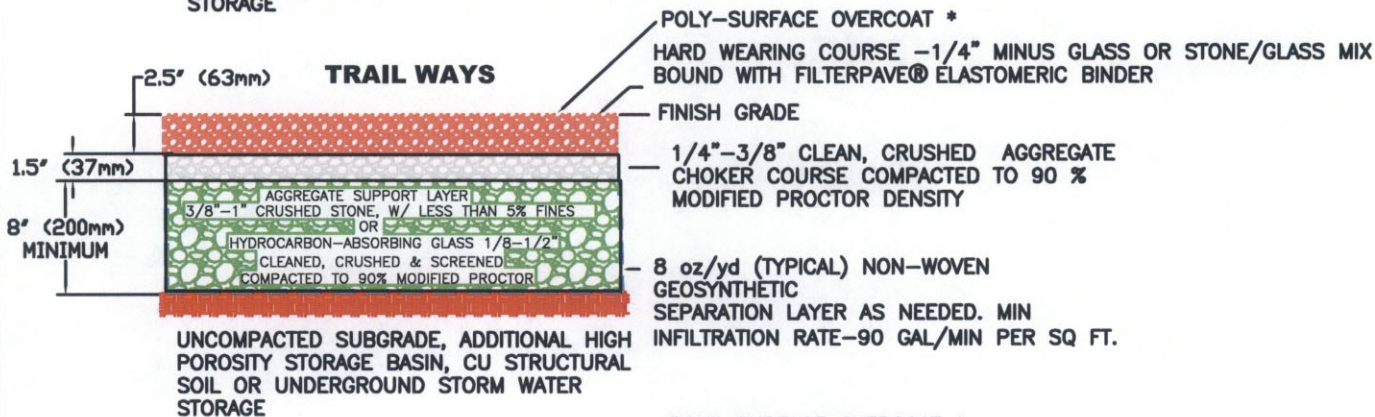
Scale: 1"= 40'

Date: 7 August 2013

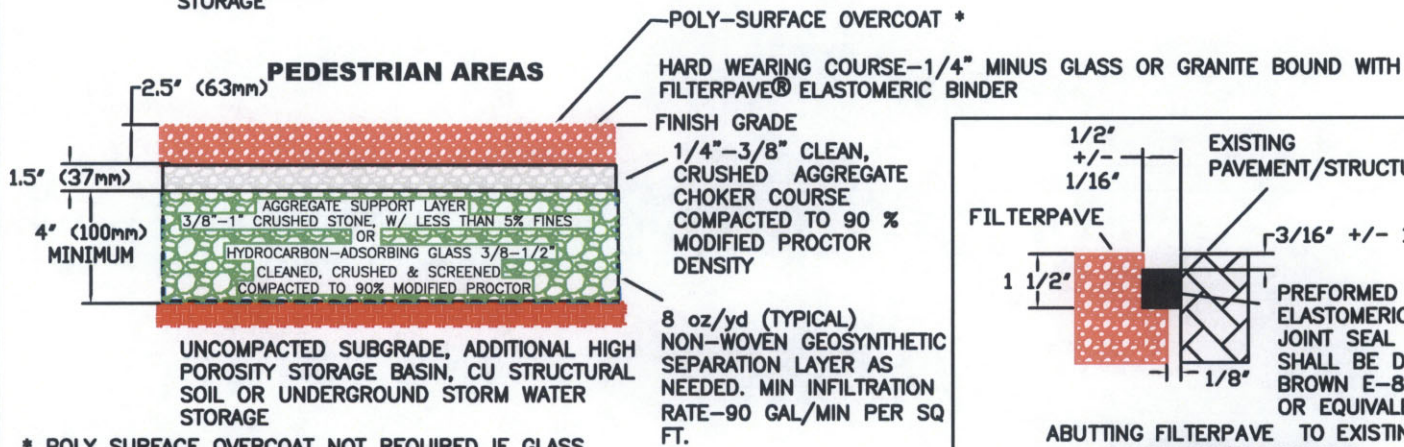
PARKING LOTS



TRAIL WAYS



PEDESTRIAN AREAS



* POLY SURFACE OVERCOAT NOT REQUIRED IF GLASS CONTENT IS LESS THEN 20%

BINDER PROPERTIES:

THE BINDER SHALL BE A UNIQUE ELASTOMERIC BINDING MATERIAL MANUFACTURED SPECIFICALLY FOR USE IN THE FILTERPAVE POROUS PAVEMENT SYSTEM. ONLY BINDER PURCHASED THROUGH FILTERPAVE PRODUCTS LLC OR AN AUTHORIZED AGENT IS ACCEPTABLE.

GLASS AND STONE PROPERTIES:
THE GLASS AND STONE SHALL BE
PROCESSED USING FILTERPAVE
PRODUCTS LLC PATENTED PROCEDURE
FOR USE IN THE FILTERPAVE POROUS
PAVEMENT SYSTEM. ONLY GLASS AND
STONE PURCHASED THROUGH
FILTERPAVE PRODUCTS LLC OR AN
AUTHORIZED AGENT IS ACCEPTABLE.

NOTES:

1) BASE DEPTHS SHOWN ARE MINIMUMS FOR STRUCTURAL STRENGTH. POOR SUBGRADE PERMEABILITY AND/OR AREAS WITH HIGHER THAN AVERAGE RAINFALLS MAY REQUIRE MORE BASE AS A STORAGE RESERVOIR.

2) SUBGRADE TO BE EVALUATED FOR CBR VALUE AND PERMEABILITY IN ALL CASES.

FOR MORE INFORMATION GO TO WWW.FILTERPAVE.COM



STANDARD DETAIL DRAWINGS

PARKING LOTS, TRAILWAYS, PEDESTRIAN AREAS

REVISION	DATE
FILTERPAVE-1.DWG	
(C)	FPLLC 21013