

## CASE STUDY STORMWATER MANAGEMENT

# LID IMPROVEMENTS AT 951 TURNER COURT PARKING LOT

Hayward, CA



## PROJECT/PRODUCT DESCRIPTION:

The 951 Turner Court Parking Lot project in Hayward, CA combines several permeable surfacing solutions to treat stormwater runoff. The LID improvements that the Engineer (WRECO) designed includes the following: concrete pervious pavers, porous asphalt, pervious concrete, concrete permeable pavers, and permeable articulating concrete blocks (i.e. PaveDrain). California Filtration Specialists is the California distributor of PaveDrain.

PaveDrain is a Permeable Articulated Concrete Block/Mat (P-ACB/M) that provides installation ease and flexibility to meet current and future stormwater management regulations. The PaveDrain system provides infiltration, storage, detention, conveyance and a paving surface all in one. When combined, these features allow for a reduction or elimination in stormwater infrastructure costs while minimizing environmental impact. PaveDrain allows for infiltration rates exceeding 1,500 inches/hour. It is designed for HS-25 loading, so it can be used in parking lots and roadways.

## PROJECT SOLUTION:

PaveDrain was installed at one location at the project site in July of 2018. Approximately 1,740 square-feet of PaveDrain will treat stormwater runoff from the parking lot. Since other permeable LID BMPs have been installed, this rainy season will show which products can maintain a high infiltration rate and maintain heavy vehicular loads. Since PaveDrain is designed as an open joint system, existing installations have required little, if any maintenance over multiple years. If the joints become filled or obstructed, maintenance is accomplished by using a vacuum truck. Maintenance updates will be provided annually.

CLIENT NAME:  
JJ Nguyen, Inc.

PROJECT REFERENCE:  
James Lai  
Project Manager  
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YEAR:  
July 2018

PROJECT SIZE:  
1,740 SF

## BENEFITS OF PAVEDRAIN

- 4000 PSI Concrete Strength Block  
(HS-25 Loading)
- ADA Compliant - 1/4" Gap
- Massive Infiltration Rate (1,500 in/hr)
- Paving, Storage, *and* Conveyance System
- Manufactured Local to Project  
(Reduced Transportation Costs)
- Easy Installation  
(Hand Placed or Machine Lay)
- Open Joint Design - Reduces Clogging
- Low Maintenance
- LEED Credits (5.1, 5.2, 6.1, 6.2, 7.1)

## LOCAL PAVEDRAIN DISTRIBUTOR:



### California Filtration Specialists

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