

CASE STUDY STORMWATER MANAGEMENT

MOBILE MINI STORAGE YARD

SAN DIEGO, CA



PROJECT/PRODUCT DESCRIPTION:

Mobile Mini is one of Whitson CM's industrial clients. To assist the facility in complying with the Industrial General Permit, Whitson CM and California Filtration Specialists (CFS) came up with a decentralized solution to treat stormwater at the storm drain inlet at the facility.

PROJECT SOLUTION:

Whitson CM and CFS designed a durable, plastic catch basin insert that can be easily manufactured to different sizes. Since stormwater can enter from both size of the catch basin, two inserts were manufactured to treat stormwater at each source. A LITMAT composed of LIDMIX has been installed in each insert. Additionally, the filter on the west side of the catch basin has a built-in sampling port to take a stormwater sample post-BMP.

LIDMIX is a specialized media contained within a permeable geotextile fabric (LITMAT) that lets stormwater flow through the system at a rapid rate while particulate and soluble forms of the pollutants are filtered out of the runoff. It has been extensively tested in field and laboratory settings with the following results: 98% reduction in Lead, 97% reduction in Copper, and 64% reduction in Zinc.

The catch basin insert and LITMATS were easily installed in 1 storm drain in the fall of 2017. Samples will be taken post-filter during this next stormwater year to assess the effectiveness of the LIDMIX catch basin insert design.

HEAVY METAL REMOVAL MEDIA

CLIENT NAME:
Mobile Mini

PROJECT REFERENCE:
Steve Martinez - Branch Manager

YEAR:
2017

PROJECT SIZE:
1 Catch Basin with 2 Catch Basin
Inserts/LIDMATS

BENEFITS OF LIDMIX

Decentralized Treatment - Treat Runoff at
the Source

Pollutant Removal Rates below IGP NALs
for: Copper, Lead, Zinc, Aluminium, Iron,
Nitrate as N, TSS, TN, TP

Extensively Tested in Field and Laboratory
Customize Size of LIDMAT

High Flow Media - Minimal Clogging
Low Cost Solution to Meet Water Quality
Requirements

LOCAL LIDMIX DISTRIBUTOR:



California Filtration Specialists

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