

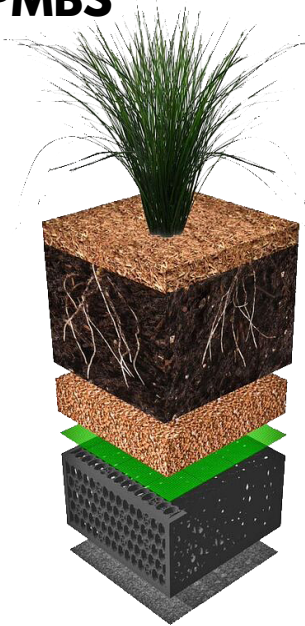
CASE STUDY STORMWATER MANAGEMENT

Horizontal Flow-Thru Biofiltration Solution with FocalPoint HPMBS

HIGUERA STREET
SAN LUIS OBISPO, CA

PROJECT DESCRIPTION:

This project was a redevelopment of an existing commercial site located at 245 Higuera St. in San Luis Obispo, CA. This project was subject to Performance Requirement 2: Water Quality Treatment. Above Grade Engineering needed to find a biofiltration solution that satisfied the site constraints. The site has extremely flat conditions and the absence of a storm drain system. The FocalPoint High Performance Modular Biofiltration System (HPMBS) was selected to meet these constraints. FocalPoint HPMBS is a scalable biofiltration system with high flow rate engineered soils (100 inches/hour).



FocalPoint
BIOFILTRATION SYSTEMS

Due to the adaptable nature of FocalPoint, this biofiltration system was designed in a horizontal configuration similar to horizontal sand filters. This included a rock zone which functions as both a pre-treatment sand filter, and as a level spreader to distribute the runoff over the full horizontal entry surface of the FocalPoint. A micro mesh membrane was installed between the rock spreader and the media at both sides. The minimum path of the high-flow media treatment for this application is 24 inches. The post-treatment rock zone collects the treated runoff and conveys it beneath the respective sidewalk to the gutter flowline. See this detail on page 3.

The project is 10,037 square-feet and 92% is impervious. There are four FocalPoint's installed near the perimeter of the site to treat the runoff:

Designed Media Treatment Volumes:

FocalPoint 1 – 13 CF (20 SF)
FocalPoint 2 – 13 CF (20 SF)
FocalPoint 3 – 21.6 CF (33 SF)
FocalPoint 4 – 25.5 CF (38 SF)

*Installed FocalPoint Pictures
Coming Soon*

Above Grade Engineering applied this same design to The Creamery project in San Luis Obispo, located at 570 Higuera Street. This specific application of FocalPoint will continue providing a reliable and effective water quality treatment solution for additional sites with similar constraints.

DESIGNER:
Above Grade Engineering, Inc.

PROJECT REFERENCE:
Scott Stokes
1304 Broad Street
San Luis Obispo, CA 93401
(805) 540-5115

YEAR:
2017

PROJECT SIZE:
4 Biofiltration Systems (Higuera Street)
2 Biofiltration Systems (The Creamery)

BENEFITS OF FOCALPOINT

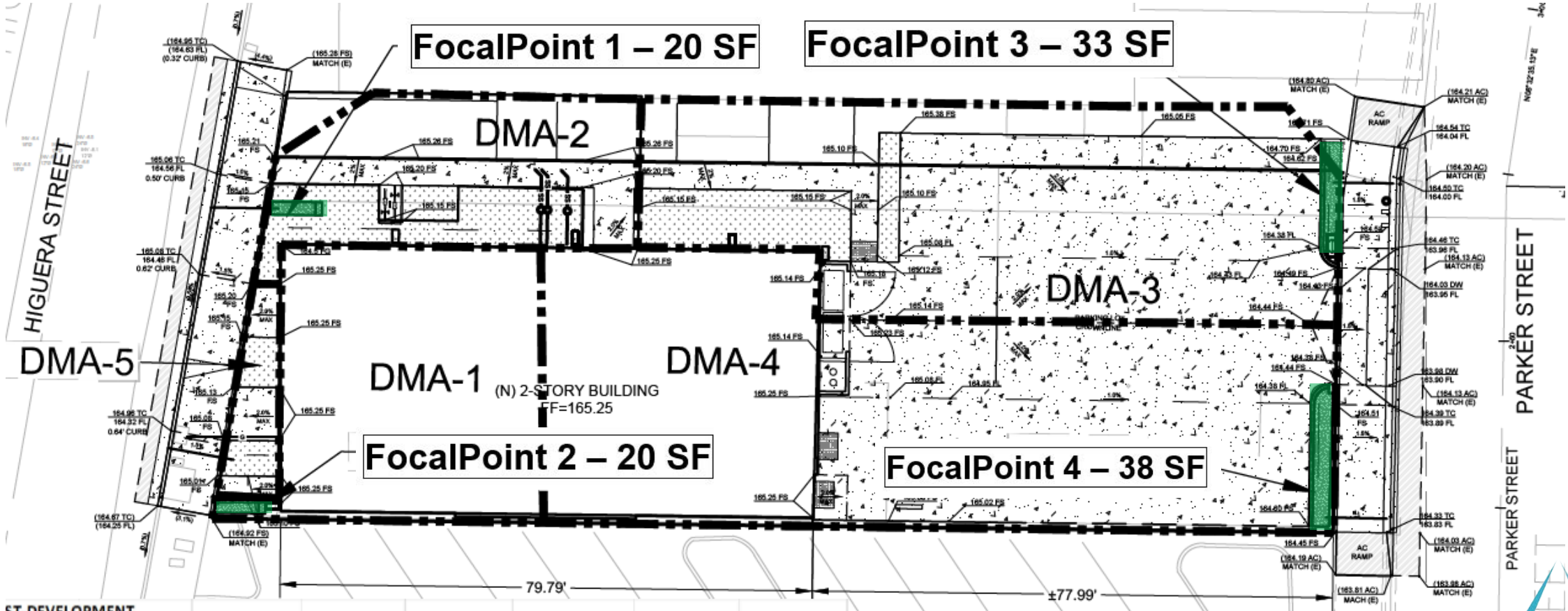
- Flows at 100 in/hr
- Vertical or Horizontal Flow-Thru Options
- Meets TAPE Requirements
- Reduce Footprints and Costs
- Flows Faster with Age
- Resistant to Clogging
- Expanded Detention, Infiltration, and/or Storage
- Post-Installation Verification
- First Year's Maintenance Included

LOCAL FOCALPOINT DISTRIBUTOR:

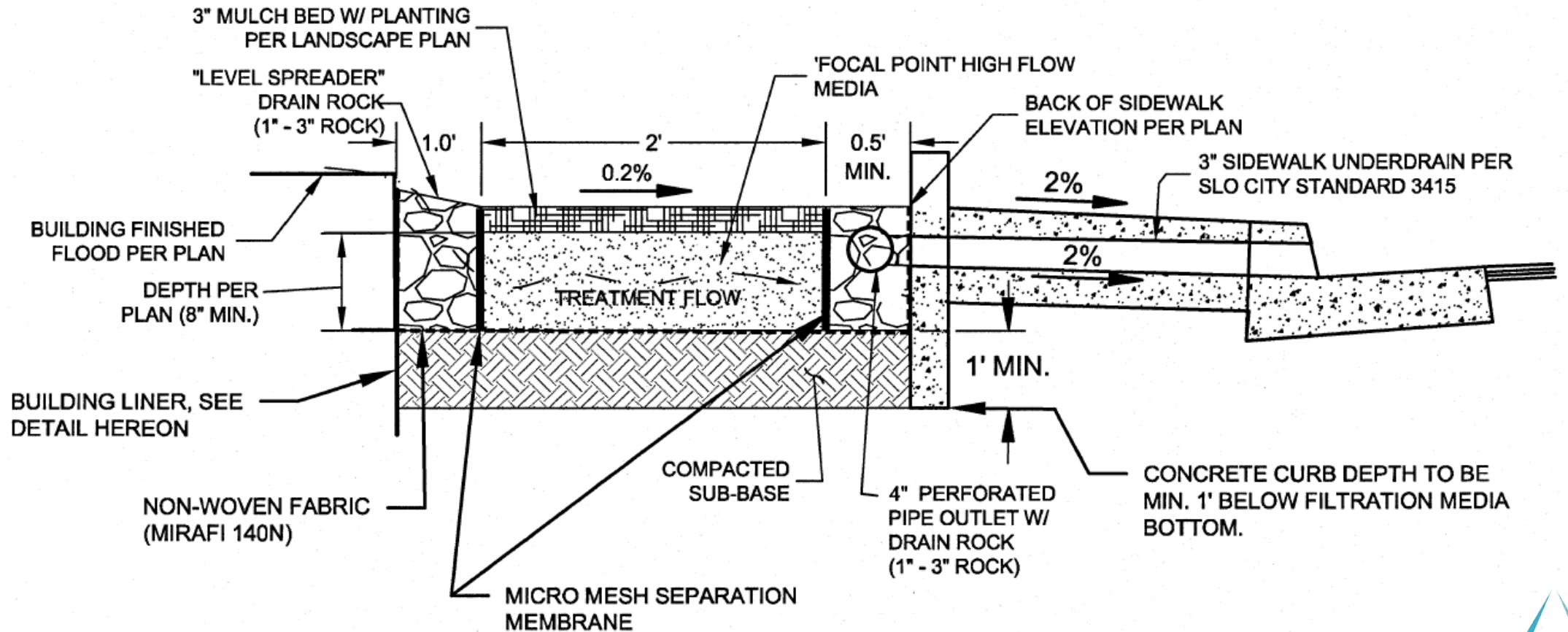


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245 HIGUERA STREET FOCALPOINT PROJECT



FOCALPOINT HORIZONTAL FLOW-THRU BIOFILTRATION SOLUTION DETAIL



ADDITIONAL NOTES

1. HIGH PERFORMANCE SOIL MEDIA TO BE "FOCAL POINT" BY ACF-CONVERGENT, OR APPROVED EQUAL.
2. MICRO MESH AND OTHER MATERIALS SHALL BE PER MANUFACTURER'S REQUIREMENTS.