

**Biazar, Shahab**

**From:** Bryan Reid [BryanReid@gallowayus.com]  
**Sent:** Tuesday, July 30, 2013 7:37 PM  
**To:** Biazar, Shahab  
**Cc:** Jessica Greenough; Jim Galloway  
**Subject:** Murphy Express - San Mateo & Zuni - Oil/Water Separator Sizing

This message contains attachments delivered via [ShareFile](#).

- MOC023\_C05-Grading Grading Plan.pdf (2.2 MB)
- MOC023\_C10-UtilDets Limits 24x36.pdf (1.6 MB)
- vortclarex 4-12.pdf (749.6 kB)

Download the attachments by [clicking here](#).

Shahab,

Here is the oil/water separator calculation for the San Mateo/Zuni canopy area:

The anticipated 2-year runoff underneath the canopy is approximately of 0.16 cfs (71 gpm) (1.86cfs/ac \* (3724sf/43560)). Research on various oil/water separators led to the Contech VortClarex Oil/Water separator system. Model VCL30, with a capacity of approximately 500 gallons, can accommodate up to 110 gpm of inflow.

The VCL30 is a revision from what is shown on the G&D plan that you are currently reviewing. Let me know if you want me to send a new hard copy. I've also attached the revised utility detail sheet and some information regarding the Contech oil/water separators. Let us know if there are any questions.

Thanks,  
 Bryan

# Galloway

Planning. Architecture. Engineering.

## BRYAN REID, PE, CIVIL PROJECT ENGINEER

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