

THIS PROJECTS HAS 1,276 SQ FT OF EXISTING IMPERVIOUS COVER. THE DEVELOPED PROJECT WILL HAVE 2,444 SQ FT OF IMPVIOUS COVER. THE ADDITIONAL 1,276 SQ FT REQUIRES TREATMENT. TO MEET THIS STANDARD, AN UNDRAINDED SOIL FILTER WILL BE USED TO TREAT THE RUN OFF FROM THE ROOF.

REQUIRED TREATMENT VOLUME

$$1,276 \times \frac{1''}{12''/CF} = 106 \text{ CF}$$

VOLUME OF THE STORAGE OVER THE FILTER MEDIA

$$15' \times 14' \times \frac{22''}{12} \times .35 = 134 \text{ CF}$$

134 > 106 STANDARDS ARE MET.