

How To Manage Stormwater on a Slope



- Too much water on a hillside can turn into a disaster.
- Risks associated with infiltrating rainwater or retaining rainwater on a site are real and vary on a case by case basis for hillside properties.
- If considering any sort of stormwater capture you are best served by working with an engineer.
- Use the following as a guide.

Let's get started

Assess and Map the Site

Regardless of whether you plan to capture stormwater, you should assess and map how water travels through your property.

- Do your gutters convey water to a potential weak point in your foundation?
- Are there areas for potential capture that could be safe?
- Map any drains and known paths that water travels over the roof and land. Ideally, observe this during a storm.
- If you find water sheeting downhill, collecting in puddles, or soil that is soft and muddy you will need to address these issues.

Create a Design Solution

Work with a professional to design and implement solutions to any problems.

- You may need to redirect downspouts, install french drains, or take other action to ensure the safety of the property.

- With proper footing, capturing rain in a barrel or cistern may solve potential problems.

Resources

Look for a professional who is currently registered as a civil and geotechnical PE (Professional Engineer) in the state of California: Engineers, Land Surveyors and Geologists.

Or try:

- yelp: http://www.yelp.com/search?find_desc=Geotechnical+Engineer&find_loc=Los+Angeles%2C+CA
- yellow pages: <http://www.yellowpages.com/los-angeles-ca/geotechnical-engineers>
- An ARCSA accredited professional. They will come out and provide a recommendation for rainwater management solutions both in the front and back of the property. Go to <http://www.arcsaresource.com/Category/5764/1/ARCSA-AP>



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