

# Town of Emerald Isle

## INSTRUCTIONS FOR SMALL STORMWATER PLAN Stormwater Calculations

1. Determine the total square footage of all impervious surfaces on the property. This includes house, driveways, parking areas, sidewalks, etc.
2. Once you have determined the total square footage of impervious surfaces use the following calculations:

Here is an example using a 2 foot by 3 foot containment trench:

1,200 square feet divided by 100 = 12

12 x 16.67 = total cubic feet of containment required

12 x 16.67 = 200 cubic feet

To convert to a 2' x 3' dry well system

200 cubic feet divided by 6 = 33 linear feet

This represents a dry well trench 2' x 3' x 33' long

Take the total number of linear feet required and divide into sections to serve the project as needed.

