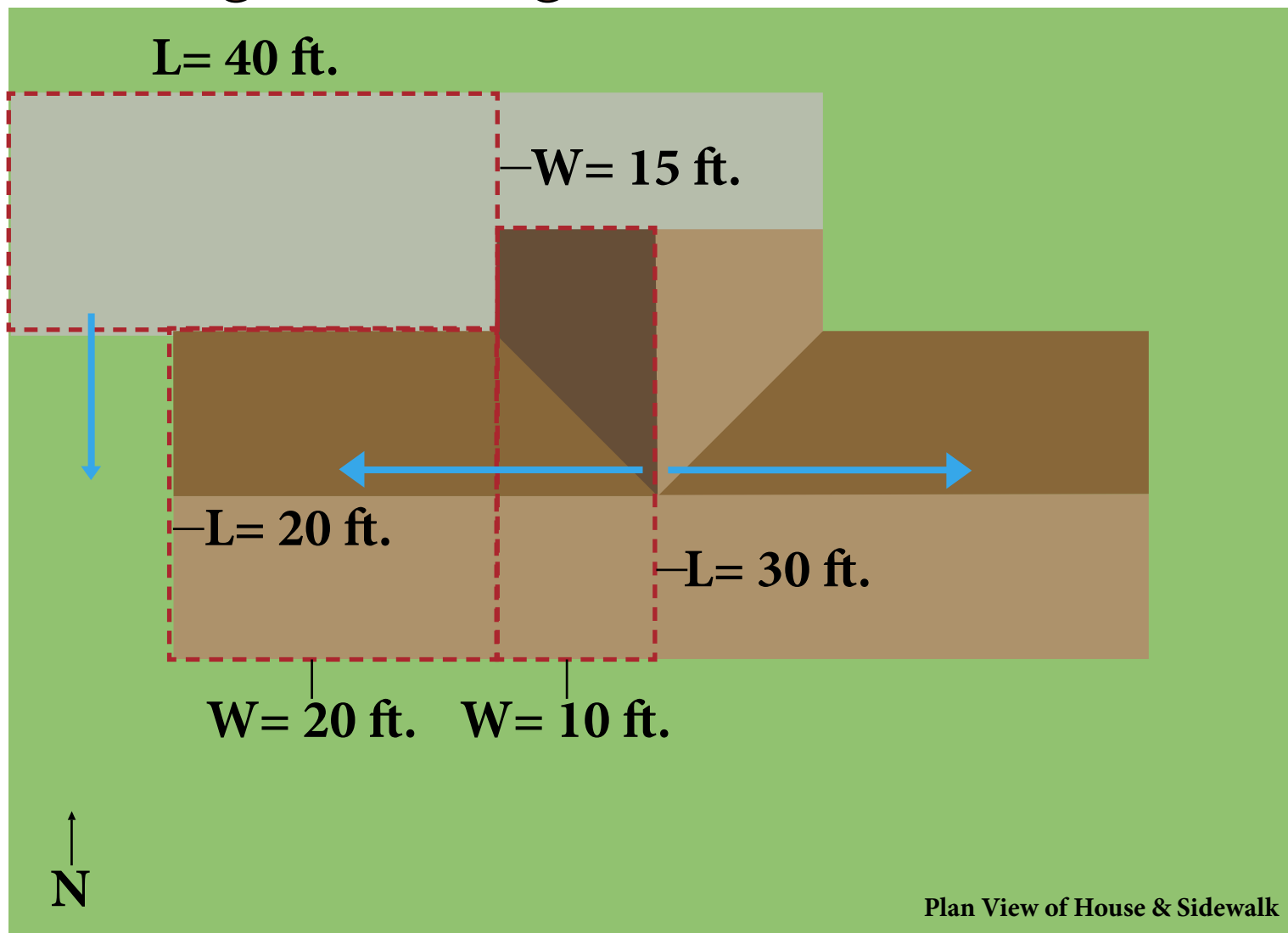


# Locating and Sizing a Rain Garden



## Sizing

Calculate:

-Impervious Surfaces  
draining to rain garden  
 $(w \times l) + (w \times l)$

Rain garden

-Well-draining soils=  
~**10%** of impervious  
surfaces (infiltrating  
99% of annual volume  
of rain water)

-Poor-draining soils=  
~**20%** of impervious  
surfaces (infiltrating  
90% of annual volume  
of rain water)

## Locating

Do Locate Rain Gardens\*:

5 ft. from property lines

5 ft. from structures with foundations

10 ft. from structures with basements

\*Check with your jurisdiction



Do NOT Locate Rain Gardens On/Near:

Septic Tank or Drain Field

Slopes 15% or higher

Low Spot where water ponds

Utilities

# One Solution:

## Rain Garden Located SW of House

### Impervious Materials

#### Driveway

15 ft. x 40 ft. = 600 sq. ft.

#### Roof

20 ft. x 20 ft. = 400 sq. ft.

10 ft. x 30 ft. = 300 sq. ft.

**Total** = 1300 sq. ft.

### Rain Garden Size

**Well-Draining Soils** (typical 18" deep rain garden)=

**10%** of 1300 sq. ft.= 130 sq. ft.

**Poor-Draining Soils** (typical 18" deep rain garden)=

**20%** of 1300 sq. ft.= 260 sq. ft.

Or 247 Sq. ft. for a 30" deep rain garden (5% reduction)

