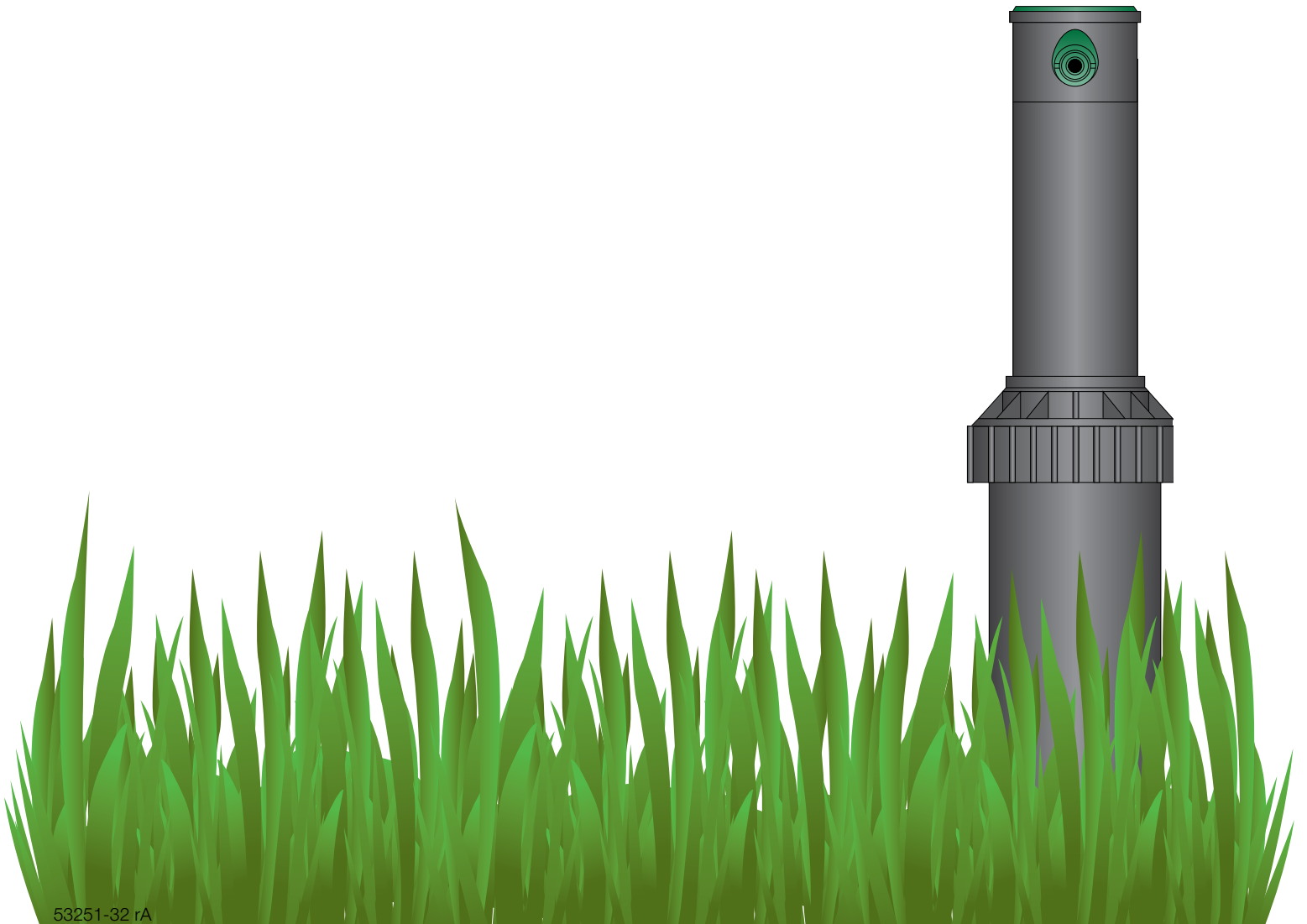




Orbit® Sprinkler System Designer™  
**PREPARATION GUIDE**

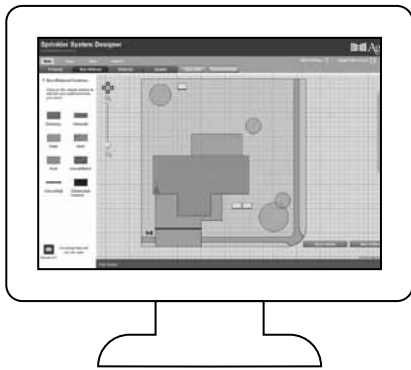




Use our no hassle, no wait, no charge,  
**Sprinkler System Designer™ Program** at  
[orbitonline.com/sprinklerdesign](http://orbitonline.com/sprinklerdesign)

This guide makes it easy and walks you through the preliminary steps needed before you start designing online.

Draw a rough sketch of your yard and record important measurements and information about your property. Once online, you will be able to draw your property, view your design, and then print your plan—all at the click of a mouse.



① Draw my property



② View my design



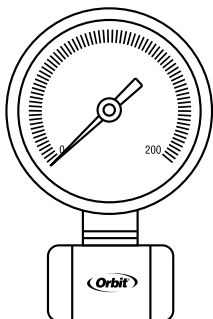
③ Print my plan

## BEFORE YOU BEGIN

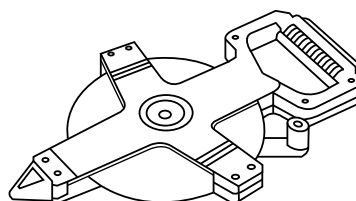
BE SURE YOU HAVE THESE ITEMS

These three items are all you need to begin the Orbit® Sprinkler System Designer™ Program at [orbitonline.com/sprinklerdesign](http://orbitonline.com/sprinklerdesign).

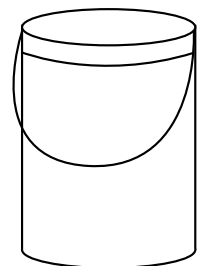
\*See last page for directions



Orbit® Water Pressure Gauge



Tape Measure



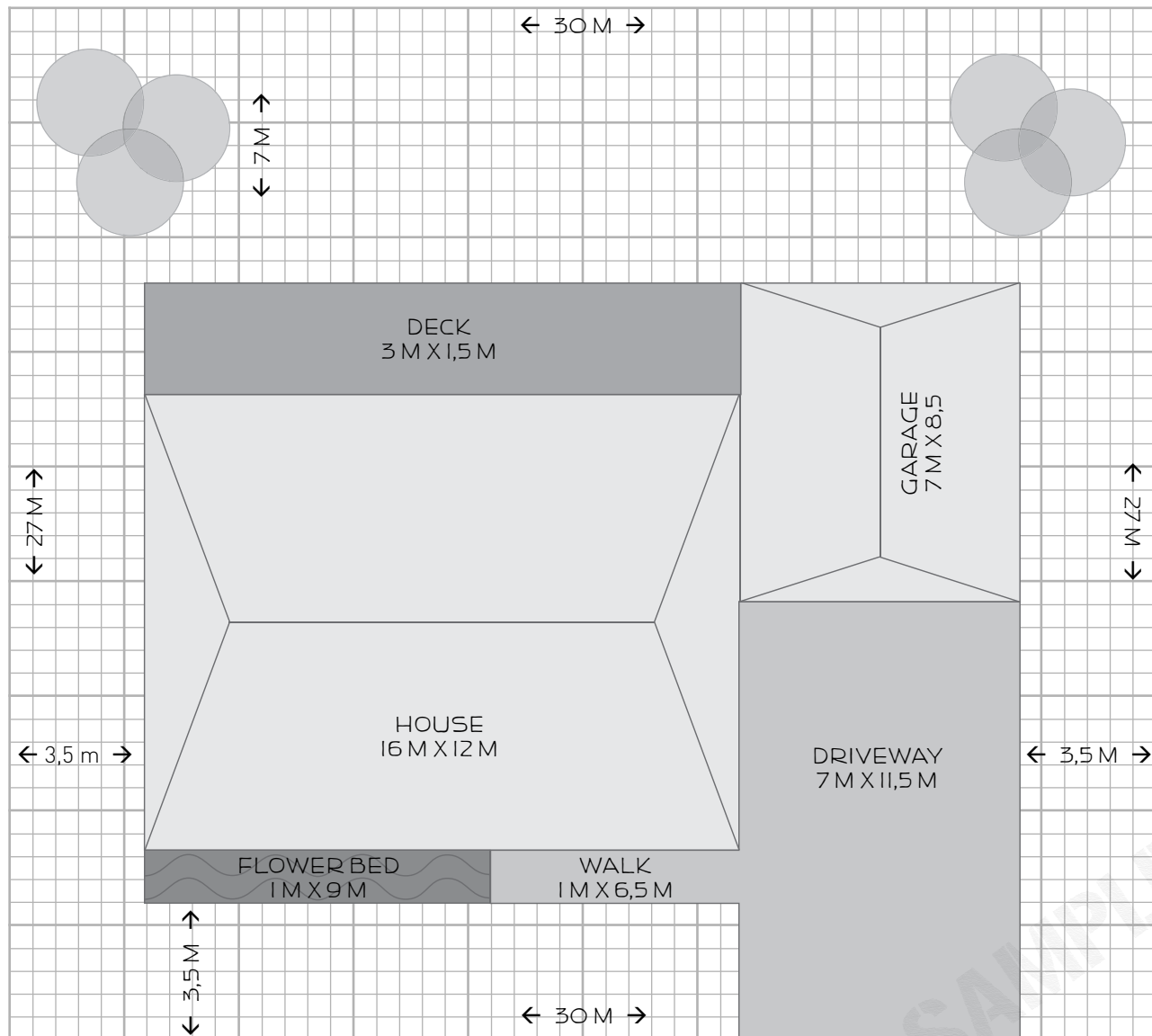
Utility Bucket



# GRAB A PENCIL

IT'S TIME TO DRAW YOUR PROPERTY

Use this sample layout as a reference to complete your own property drawing on the following pages.



## QUICK TIPS FOR MEASURING YOUR PROPERTY

**1** | Measure perimeter of lot and sketch on graph paper.



**2** | Measure and sketch house in the correct position on the lot.

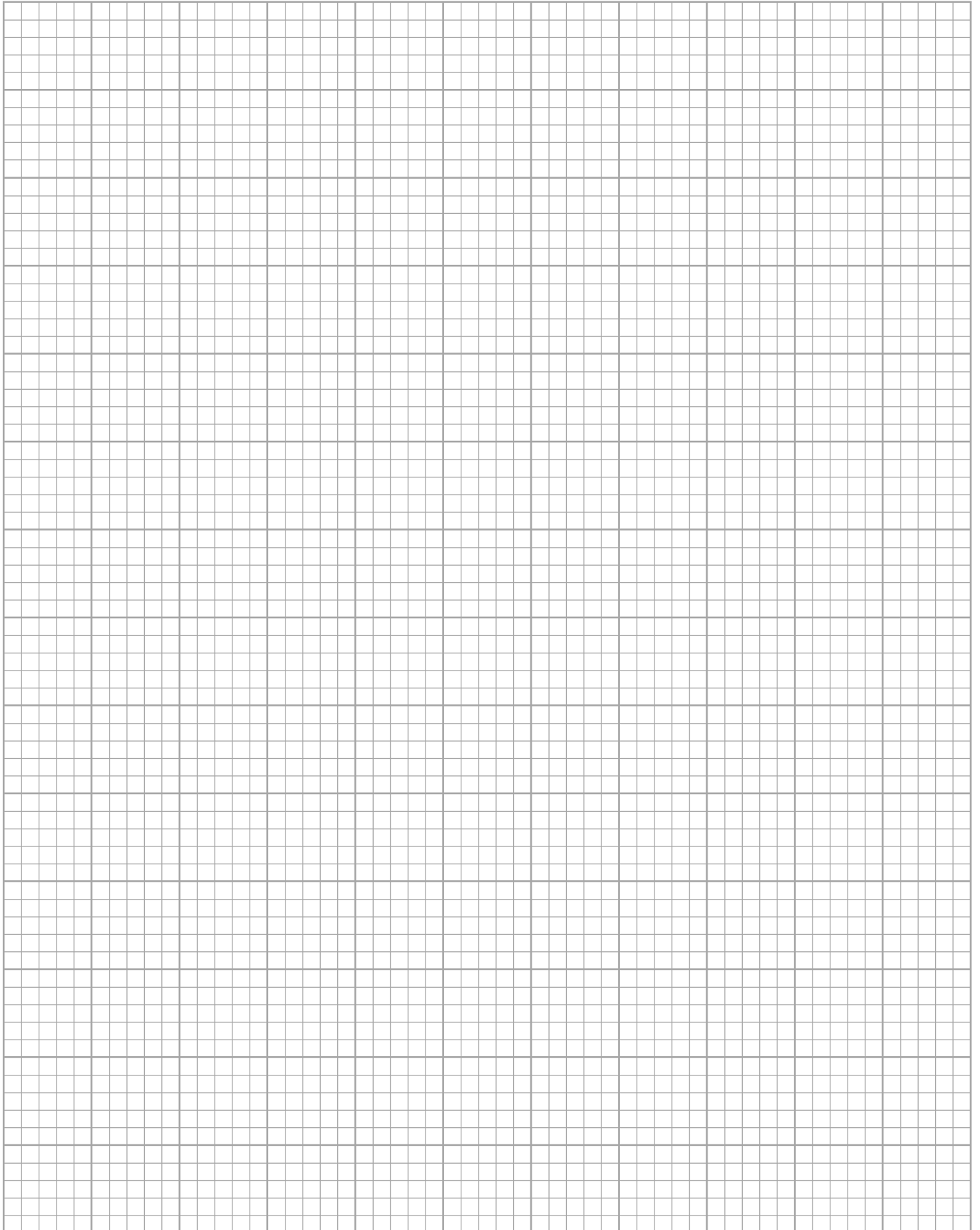


**3** | Measure and sketch features such as sidewalk, driveway, flower beds and trees.

**4** | Check measurements of all objects relative to each other to ensure accuracy.

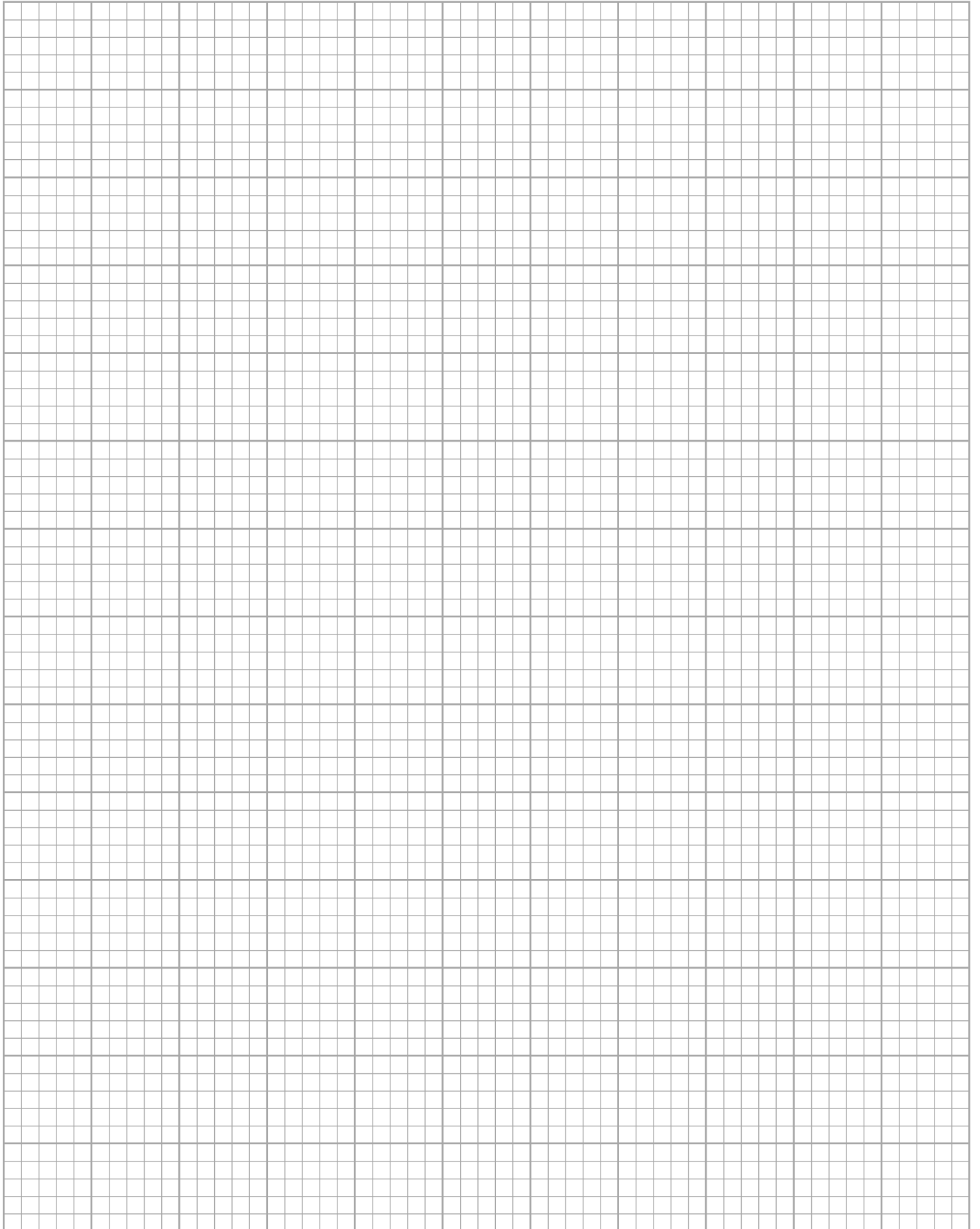
**Layout Graph Paper**

**Graph Scale** □ = 1 m □□□□ = 5 m



**Layout Graph Paper**

**Graph Scale** □ = 1 m □□□□ = 5 m





# BEFORE YOU LOG ON

ANSWER THESE QUESTIONS ABOUT YOUR WATER\*

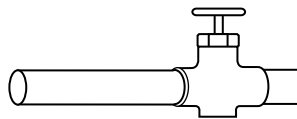
## PIPE TYPE

- Copper     
  Galvanized     
  Poly



## PIPE SIZE

- 15 mm  
 20 mm  
 25 mm



1

## PIPE TYPE

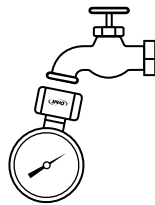
Compare your water source pipe to the pictures on the left to determine which type of pipe you have. If your water source also supplies your house you can usually determine the pipe type at the location in which it enters your home. Otherwise you may need to dig down to the pipe to collect this information.

## SUPPLY LINE PIPE SIZE

Determine the size of the pipe that will supply your sprinkler system and check the appropriate box to the left.

## PRESURE TEST

\_\_\_\_\_ BARS



2

## STATIC PRESSURE

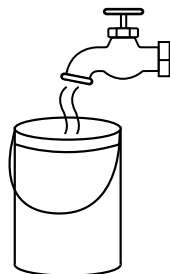
Connect an Orbit® pressure gauge to the water source and record the reading. To measure house pressure, connect to an outside faucet and make sure that no water is being used inside or outside. We recommend that you take pressure readings as close to the time of day when you will use your sprinkler system as possible. Take several readings at different times, even different days, and record the lowest one.

## BUCKET TEST

Bucket Size

- 3 L       15 L  
 7 L       19 L  
 11 L       23 L

It took \_\_\_\_\_ seconds to fill.



3

## BUCKET TEST

You will need a bucket (see list for sizes that can be used) and something to measure time in seconds like a watch or stopwatch. Use the same outside faucet as used for the pressure test. Make sure no other water is running on the system at the same time. Open the faucet fully then simultaneously place the bucket under the faucet and start timing. Record how many seconds it takes to fill the bucket. We recommend that you perform the bucket test as close to the time of day when you will use your sprinkler system as possible. Take several readings at different times, even different days, and record the longest time.

## OUTPUT PIPE SIZE

- 20 mm  
 25 mm  
 Optimized

4

## SPRINKLER SYSTEM PIPE SIZE

Determine the pipe size that you want to use for your sprinkler system. You may choose to have your system piped only in one pipe size, or you may choose to have the system optimized with both 20 mm and 25 mm pipe to achieve best performance.

- Anti-siphon valves required  
 Frost line below 153 mm

5

Check with your local water municipality agencies to determine if Anti-siphon valves are required in your area and if the frost line is below 6 inches. If the answer is yes to either one or both questions check the appropriate boxes.