Sprinkler Design USA

Professional Plans & Components

PROFESSIONAL DESIGNS

CONTRACTOR COMPONENTS

COMPLETE SYSTEMS HUGE $AVINGS

$49.95 Sprinkler Design Service

Do It Yourself Planning Packet

Sprinkler Design USA

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CUSTOMER INFORMATION

Name _____

Address _____

City _____

State _____

Zip _____

Phone _____

Email _____

Payment: You can **pay online** or once your design has been received a representative will call you to process payment.

Please Note: To install a sprinkler system, the homeowner is required to tap into the water source and is required to obtain any required permits and comply with local codes. Before digging the trench, check with your local utility company to identify any buried cables, gas lines or pipes.

PROPERTY INFORMATION

Type of pipe used in your area:
☐ PVC ☐ Poly ☐ Use Designer Recommendation

Area Plumbing Codes? _____

Water Pressure and Flow in GPM

GPM at: 40psi _____ 45psi_____ 50psi _____

Soil Type: ☐ Sand ☐ Loam ☐ Clay

Water Main Size: ☐ 3/4" ☐ 1" ☐ 1.25"

If Pump System: ☐ Lake/Ditch ☐ Well ☐ Tank

Timer Location: ☐ Indoor ☐ Outdoor

Irrigation Water:
☐ Clean/Drinkable ☐ Dirty/Containing Sediment

Does your area get freezing weather? ☐ Yes ☐ No

EMAIL COMPLETED PLANNING PACKET:

designpacket@sprinklerdesignusa.com

DISCLAIMER: *Sprinkler Design USA recommends products to our customer based solely on the information, dimensions and drawings provided by the customer. Sprinkler Design USA has not inspected the customer's property landscape, sun exposure or soil conditions. Sprinkler Design USA has no control over whether recommended parts or sprinkler system design are properly purchased, installed, used or maintained. Sprinkler Design USA shall have no liability, and disclaims any and all liability, arising from or with respect to the design, purchase and/or installation of the sprinkler systems. Product warranties are provide directly through the manufacturer.*

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Property Layout - 3 Options

Option 1 - Existing Drawing

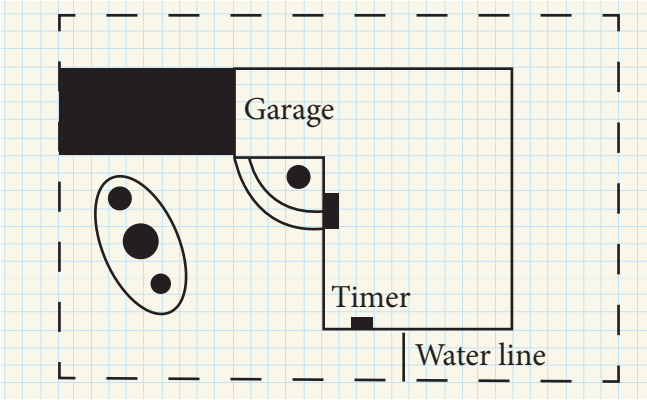
If you have a digital copy of your house & property, or a scaled drawing, please email them to us as part of your plan. Be sure to include details as in option #2.

Option 2 - Grid Paper - Draw Property to Scale

Draw your property to the best of your ability with each small square on the graph paper to consistently represent a scale such as 1" = 10', 1" = 20', etc.

Provide the following detail:

- House with garage, driveways and sidewalks
- All trees, flower beds, scrubs or major obstacles
- Identify slopes
- Water line and projected position of the timer
- Property line



BEST OPTION!

Option 3 - Satellite or Plane Imagery

For $29.95 we can get satellite or plane imagery in HD (available in USA, Canada, AK and HI) that will provide to us all the basic information we need in a scaled drawing. All that is needed from you is to review the drawing before the design process begins. Check for new buildings, sidewalks, pools, trees, etc, the same details as in option #2, draw them in, and email back the revised drawing.

Determining Your Soil Type

You will need a jar with a lid, tap water and detergent.

- Fill the jar about 1⁄3 full with the soil from your yard
- Add 1/3 jar of water and 1 tablespoon of detergent
- Shake the jar vigorously and let set for 8 hours.

Results:

- Sand Soil: Water is clear & soil has settled
- Loam Soil: Water murky with no ring of sediment
- Clay Soil: Water is murky with a ring of sediment

Determining Water Pressure

To start testing water pressure do the following:

- Locate the outside faucet closest to the main water line
- Select a different outside faucet and attach a pressure gauge
- With the first faucet closed, open the second faucet with the pressur guage all the way and record
- With first faucet open all the way, record the pressure reading on the second faucet. (If less than 40 PSI, slowing close the first faucet until the guage reaches 40 PSI.)

Time to fill bucket	GPM (Gallons per Min)
15 seconds	20 GPM
20 seconds	15 GPM
25 seconds	12 GMP
30 seconds	10 GMP
40 seconds	7.5 GMP

- Place a 5 gallon bucket under the first faucet and time how long it takes to fill it. Use the chart above to convert to GPM (Gallons per Minute)
- Repeat at 45 PSI and 50 PSI

Determining Water Main Size

The best way to determine your water main size is to contact your local water company.