



# Irrigation System Installation Checklist

## Planning & Design

Ensuring the irrigation system is designed to meet the specific needs of the landscape and complies with local regulations.

### Project Description and Scope

Write something...

### Irrigated Area (sq ft)

Enter a number...

### Soil Type

- ☐ Sandy
- ☐ Loamy
- ☐ Clay
- ☐ Silty
- ☐ Other

### Average Rainfall (inches/year)

Enter a number...

### Plant Types (select all that apply)

- ☐ Turf Grass
- ☐ Shrubs
- ☐ Trees
- ☐ Flower Beds
- ☐ Vegetable Garden

### Design Completion Date

Enter date...

### Local Regulations Compliance

- ☐ Compliant
- ☐ Requires Modifications

### Notes/Special Considerations

Write something...

## Site Preparation

Preparing the site for installation, including excavation, grading, and marking sprinkler locations.

### Detailed Site Assessment Notes

Write something...

Depth of Trench Excavation (inches)

Enter a number...

Soil Type Identified

- ☐ Sandy
- ☐ Clay
- ☐ Loam
- ☐ Other

Marked Sprinkler/Emitter Locations

 Set My Current Location



Description of Grading Requirements (if any)

Write something...

## Site Map / Layout Plan

 Upload File

## Obstacles Identified & Noted?

☐ Yes

☐ No

# Water Source & Backflow Prevention

Connecting to the water source and installing necessary backflow prevention devices.

## Water Source Type

☐ City Water

☐ Well Water

☐ Pond/Reservoir

## Backflow Prevention Device Type

☐ Reduced Pressure Zone (RPZ)

☐ Double Check Valve Assembly (DCVA)

☐ Atmospheric Vacuum Breaker (AVB)

☐ Pressure Vacuum Breaker (PVB)

## Water Pressure (PSI)

Enter a number...

### Flow Rate (GPM)

Enter a number...

### Backflow Prevention Device Location Description

Write something...

### Backflow Test Date

Enter date...

### Backflow Prevention Test Report

 Upload File

### Backflow Permit Required?

☐ Yes

☐ No

### Permit Number (if applicable)

Write something...

## Mainline Installation

Installation of the main water supply lines for the irrigation system.

**Mainline Pipe Diameter (inches)**

Enter a number...

**Mainline Pipe Material**

- ☐ PVC
- ☐ Polyethylene (PE)
- ☐ Other (Specify)

**Notes on Pipe Installation (e.g., bedding, depth)**

Write something...

**Mainline Depth (inches)**

Enter a number...

**GPS Location of Mainline Start Point**

 Set My Current Location



### Trench Bedding Material

- ☐ Sand
- ☐ Gravel
- ☐ Compacted Soil
- ☐ None

### Pipe Jointing Method

Write something...

## Zone Valve Installation

Installation of zone valves to control individual watering zones.

### Number of Zone Valves Installed

Enter a number...

### Valve Brand Used

- ☐ Rain Bird
- ☐ Hunter
- ☐ Toro
- ☐ Other

### Valve Model Numbers

Write something...

### Valve Type (e.g., Electric, Hydraulic)

- ☐ Electric
- ☐ Hydraulic
- ☐ Solinoid

### Notes on Valve Installation (e.g., specific challenges, modifications)

Write something...

### Valve Box Depth (inches)

Enter a number...

### Valve Box Material

- ☐ Plastic
- ☐ Metal
- ☐ Concrete

## Sprinkler Head/Emitter Installation

Proper placement and installation of sprinkler heads or drip emitters based on design specifications.

### Sprinkler Head Spacing (feet)

Enter a number...



### Emitter Flow Rate (GPH)

Enter a number...

### Sprinkler Head Type

- ☐ Rotator
- ☐ Spray
- ☐ Impact
- ☐ Bubbler

### Emitter Type

- ☐ Pressure Compensating
- ☐ Non-Pressure Compensating

### Sprinkler Head Elevation (inches)

Enter a number...


### Notes on Head Placement/Adjustment

Write something...

### Soil Type

- ☐ Sandy
- ☐ Clay
- ☐ Loamy
- ☐ Other

### Photo of Sprinkler Head Installation

 Upload File

## Wiring & Controller Setup

Wiring the system components and programming the irrigation controller.

### Controller Model Number

Enter a number...

### Controller Programming Notes (Zone Schedules, Start Times, etc.)

Write something...

### Wiring Method Used

- ☐ Direct Burial
- ☐ Conduit
- ☐ Other

### Number of Zones Programmed

Enter a number...

### Rain Sensor Connected?

- ☐ Yes
- ☐ No
- ☐ Not Applicable

### Rain Sensor Programming Details (Delay, Suspension)

Write something...

### Controller Battery Backup Status

- ☐ Functional
- ☐ Not Installed
- ☐ Needs Replacement

### Any observed wiring anomalies or troubleshooting steps taken?

Write something...

## System Testing & Adjustments

Thorough testing of the system to ensure proper function and making necessary adjustments.

### Static Water Pressure (PSI)

Enter a number...

### Flow Rate (GPM) per Zone

Enter a number...

### Backflow Preventer Test Results (Pass/Fail)

☐ Pass

☐ Fail

### Check for Leaks (Yes/No)

☐ Yes

☐ No

### Leak Location(s) and Remedial Actions (If Applicable)

Write something...

### Sprinkler Head Radius Adjustment (inches) - Zone 1

Enter a number...

### Sprinkler Head Radius Adjustment (inches) - Zone 2

Enter a number...

### Controller Programming Verified (Yes/No)

☐ Yes

☐ No

### Notes on Adjustments and Performance

Write something...

## Backfilling & Restoration

Backfilling trenches and restoring the landscape to its original condition.

### Amount of Soil Backfilled (Cubic Yards)

Enter a number...

### Description of Backfilling Method Used

Write something...

### Soil Compaction Method

- ☐ Manual
- ☐ Plate Compactor
- ☐ Rocker Tamper

### Compaction Passes (if applicable)

Enter a number...


### Topsoil Condition (After Backfill)

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

### Notes on Site Restoration & Amendments

Write something...

### Photo Documentation of Backfill and Restoration

 Upload File

## Final Inspection & Documentation

Final inspection to ensure compliance and creating documentation for future reference.

### Static Water Pressure (PSI)

Enter a number...

### Flow Rate (GPM)

Enter a number...

**Backflow Prevention Device Type**

- ☐ Reduced Pressure Zone (RPZ)
- ☐ Double Check Valve Assembly (DCVA)
- ☐ Atmospheric Vacuum Breaker (AVB)
- ☐ Pressure Vacuum Breaker (PVB)

**Controller Programming Verified?**

- ☐ Yes
- ☐ No


**Inspection Date**

Enter date...

**Notes / Observations**

Write something...

**Photos of Installed System**

 Upload File

**Inspector Signature**