

Irrigation System Installation Checklist

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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)

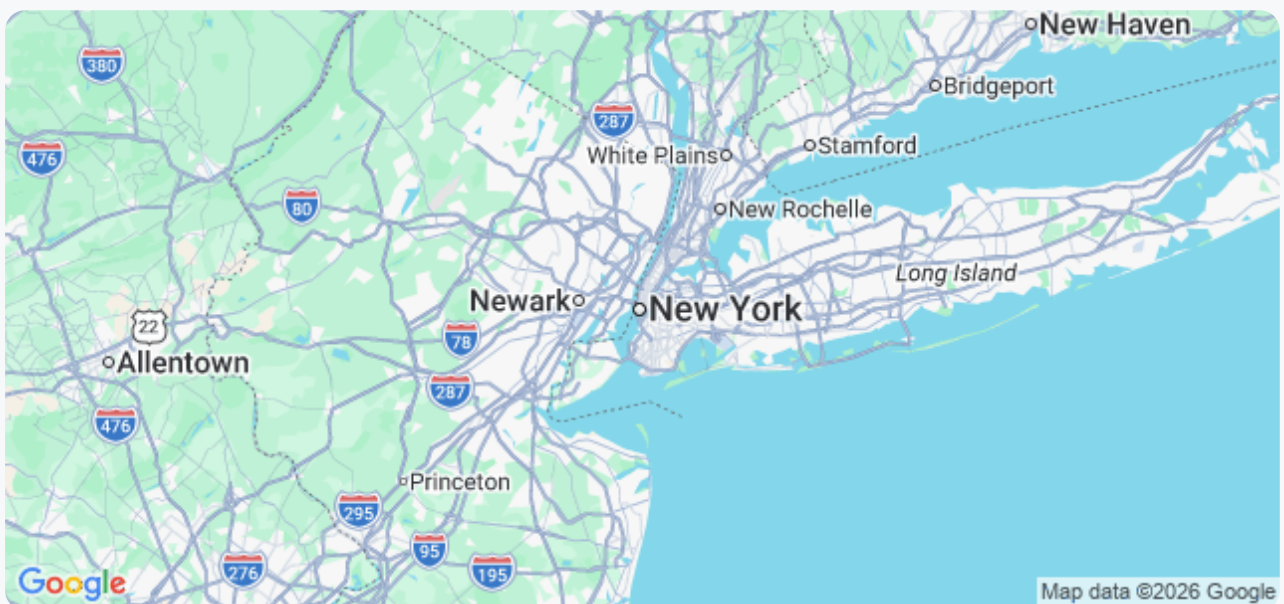
Enter a number...

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)

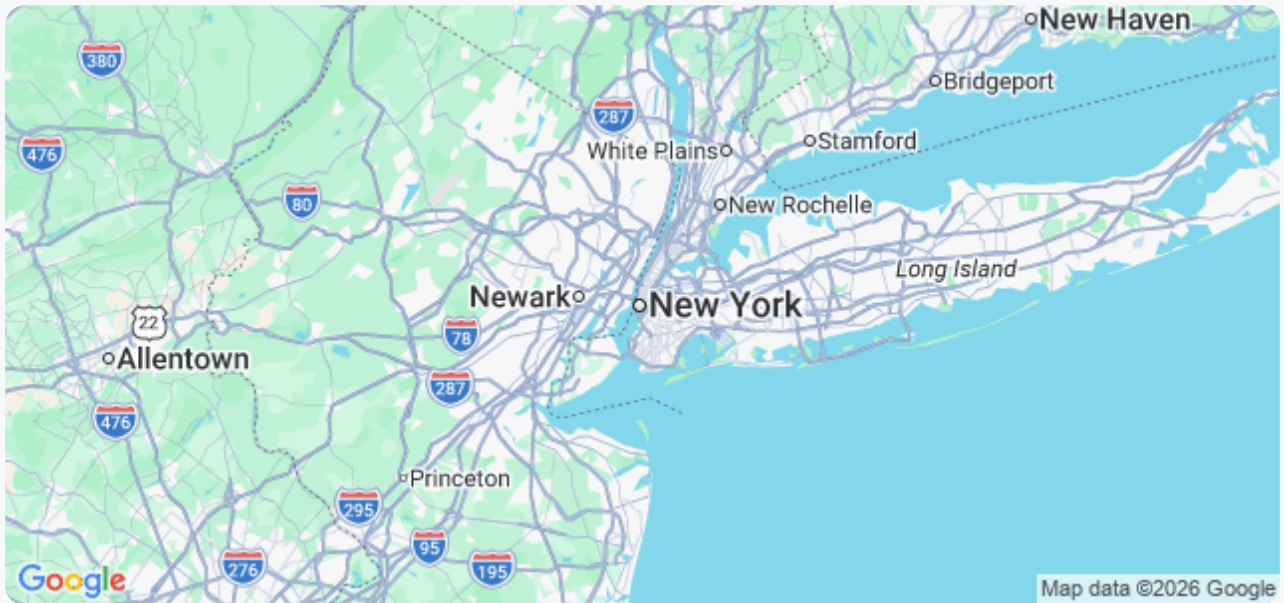
Write something...

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

Valve Brand Used

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

Valve Model Numbers

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)

Flow Rate (GPM) per Zone

Backflow Preventer Test Results (Pass/Fail)

☐ Pass☐ Fail

Check for Leaks (Yes/No)

☐ Yes☐ No

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

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