SITE survey. APP

SITE SURVEY REPORT

Irrigation inspection checklist

Prepared for	Quayside Business Park, Bristol (fictional)
Date	9 Oct 2026
Site	Quayside Business Park, Bristol
Prepared by	R. Okafor

FORM

Irrigation inspection checklist

1. System and visit

Project	Quayside Business Park, Bristol: irrigation inspection (completed example)
Record reference	IRR-QBP-0921
Record date	9 Oct 2026
Prepared by	R. Okafor, Avon Grounds Ltd
Ground conditions (wet, dry, waterlogged)	Dry and still, 14 °C. Ground dry except the east bed by the path.
Controller or system reference	Controller C1 in the plant room store, 6 stations, zones 1 to 3 in use
Zone plan and maintenance procedure	Irrigation zone plan QBP-IR-02 rev B, monthly maintenance procedure AG-IR-01

2. Zone observations

Zone records 1: Zone 1, entrance lawn

Zone ID and area	Zone 1, entrance lawn
Valve box or zone position (GPS)	Valve box VB1 by the entrance sign · 51.449410, -2.598120 (ST 58532 72439, ±5 m)
Operation observed	Yes
Visible leakage	None observed
Coverage and overspray observations	Even coverage. Head 1-07 spraying onto the block paved path.
Head or emitter condition	12 pop-up spray heads. 1-07 arc set too wide, adjusted on the day.
Heads or emitters checked	12
Needing repair or adjustment	1
Needing work (%)	8
Flow reading (with units)	2.3 bar at the end of the line
Pressure at the zone (bar)	2.3
Operating range for these heads, lowest (bar)	1.5
highest (bar)	3.5

Pressure against the range	Within range

Photos of this zone



Zone records 2: Zone 2, east shrub bed

Zone ID and area	Zone 2, east shrub bed
Valve box or zone position (GPS)	Drip line joint by the east path · 51.449620, -2.597550 (ST 58572 72462, ±5 m)
Operation observed	Yes
Visible leakage	Leak observed
Leak or assessment limitation	Push-fit connector on the drip line blown off at the path edge. Water pooling and running onto the paving.
Coverage and overspray observations	Wet patch at the connector, the rest of the bed dry at the far end because of the pressure loss.
Head or emitter condition	Drip line with in-line emitters. 4 of 40 checked emitters not dripping at the far end.
Heads or emitters checked	40
Needing repair or adjustment	4
Needing work (%)	10
Flow reading (with units)	0.6 bar at the far end while the connector leaks
Pressure at the zone (bar)	0.6
Operating range for these heads, lowest (bar)	1.0
highest (bar)	4.0

Pressure against the range	Below range
Wet or dry patch: width (m)	0.37

Wet or dry patch: width (m): measuring photo



Length (m)	1.04

Length (m): measuring photo



Area (m²)	0.38

Photos of this zone



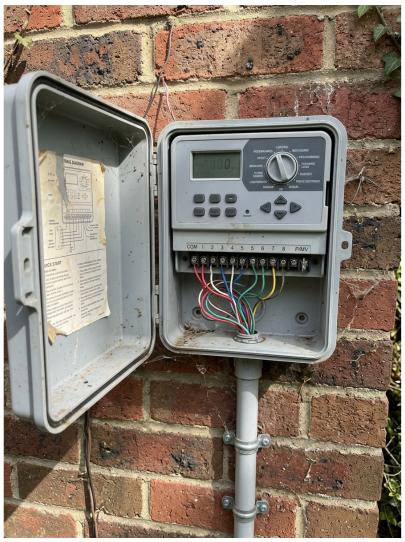
Zone records 3: Zone 3, car park planters

Zone ID and area	Zone 3, car park planters
Valve box or zone position (GPS)	Valve box VB3, car park · 51.449180, -2.597010 (ST 58609 72412, ±6 m)
Operation observed	No
Why operation was not observed	Station 3 did not start from the controller. Solenoid suspected. Planters watered by hand while the fault is open.
Visible leakage	Not assessed
Leak or assessment limitation	Zone not running, so leakage could not be seen.
Coverage and overspray observations	Not seen running. Planter soil dry.
Head or emitter condition	6 bubbler heads seen, no visible damage.
Heads or emitters checked	6
Needing repair or adjustment	0
Needing work (%)	0
Flow reading (with units)	Not taken, zone not running
Zones recorded	3
With a leak	1
Not seen running	1
Heads checked	58
Heads needing work	5

Pressure outside range	1
Wet or dry area (m²)	0.38

A leak is recorded. Isolate the zone if water is pooling on paths or running to waste, and raise the repair under Follow-up.

Other photos



3. Follow-up

Settings or adjustments made, with authority reference	Zone 1 head 1-07 arc reduced. Zone 2 isolated at VB2 until the connector is replaced. No controller programme changes. Work order AG-WO-3381.
Record status	Open
Next action or reason none is needed	Replace the zone 2 connector and recheck the far end pressure. Test the zone 3 solenoid. Both under AG-WO-3381 by 16 October.
Responsible person	R. Okafor
Reviewed by	J. Lambert, facilities manager
Reviewer acknowledgement	J. Lambert