SITE survey. APP

SITE SURVEY REPORT

Drainage Installation Inspection

Prepared for	Vale Homes Ltd
Date	14 Oct 2026
Site	Orchard Fields Phase 2, Evesham
Prepared by	J. Pryce

FORM

Drainage Installation Inspection

1. Record details and scope

Project	Orchard Fields Phase 2, Evesham: foul and surface water runs (completed example)
Site or premises address	Orchard Fields Phase 2, Pershore Road, Evesham
Client or organisation	Vale Homes Ltd
Record date	14 Oct 2026
Person completing the record	J. Pryce, site engineer, Vale Homes Ltd

This is an installation inspection record, not a drainage test certificate, design approval, CCTV condition survey or chamber-entry permit.

2. Installation scope

Run, chamber and location references	Foul runs FW-12 to FW-14 and surface water run SW-6 to SW-7, plots 21 to 24
Approved design and revision	Drainage layout D-500 rev F
Foul, surface or other system and boundaries	Foul drainage, private, plot connections to adoptable manhole FW-14
Inspection stage and concealment hold points	Pipe laid and bedded before backfill. Hold point HP-D2 before concealment

3. Installation checks

Materials and pipe sizes checked against design	Acceptable
Bedding and support evidence recorded	Acceptable
Connections and joints checked before concealment	Acceptable
Levels, falls and flow direction checked against design	Action needed
Action, limitation or reason not applicable	Run FW-13 to FW-14 laid flatter than the design, 1 in 110 against 1 in 80. Groundworker to relay before backfill and recheck. SW-6 to SW-7 has less cover than the design under the plot 24 drive.
Chambers, access and protection checked within safe access	Not checked

Action, limitation or reason not applicable	FW-14 chamber not yet built. Inspect at the next visit.
Installation checks needing action	1
Installation checks not done	1

4. Pipe runs and levels

Pipe run levels and cover 1: FW-12 to FW-13, plots 21 and 22

Run reference (upstream to downstream chamber)	FW-12 to FW-13, plots 21 and 22
Chamber positions (upstream, then downstream)	52.094120, -1.931270; 52.093980, -1.931060
Run length between chambers (m)	18.5
Upstream invert level (m)	34.215
Downstream invert level (m)	33.975
Fall (mm)	240
Gradient, 1 in	77
Design gradient from the drawing (1 in)	80
Gradient against the design	At or steeper than the design
Depth of cover over the pipe crown (m)	1.10
Minimum cover on the design (m)	0.60
Cover against the design	At or above the design cover

Photos of the run before backfill



Pipe run levels and cover 2: FW-13 to FW-14, plots 23 and 24

Run reference (upstream to downstream chamber)	FW-13 to FW-14, plots 23 and 24
Chamber positions (upstream, then downstream)	52.093980, -1.931060; 52.093810, -1.930820
Run length between chambers (m)	22
Upstream invert level (m)	33.960
Downstream invert level (m)	33.760
Fall (mm)	200
Gradient, 1 in	110
Design gradient from the drawing (1 in)	80
Gradient against the design	Flatter than the design: check with the designer
Depth of cover over the pipe crown (m)	1.25
Minimum cover on the design (m)	0.60
Cover against the design	At or above the design cover

Photos of the run before backfill



Pipe run levels and cover 3: SW-6 to SW-7, under the plot 24 drive

Run reference (upstream to downstream chamber)	SW-6 to SW-7, under the plot 24 drive
Chamber positions (upstream, then downstream)	52.093890, -1.930710; 52.093770, -1.930520

Run length between chambers (m)	15
Upstream invert level (m)	34.420
Downstream invert level (m)	34.220
Fall (mm)	200
Gradient, 1 in	75
Design gradient from the drawing (1 in)	100
Gradient against the design	At or steeper than the design
Depth of cover over the pipe crown (m)	0.61

Depth of cover over the pipe crown (m): measuring photo



Minimum cover on the design (m)	0.90
Cover against the design	Less cover than the design: protect the pipe or check with the designer

Photos of the run before backfill





Runs recorded	3
Runs with no fall or flatter than the design	1
Runs with less cover than the design	1

> Hold before concealment. Some runs or checks need action. Agree the fix, or a decision from the designer, before those runs are backfilled, and record it in the actions.

Level or dimensional check 1: FW-12 outgoing invert, level

Measurement point and parameter	FW-12 outgoing invert, level
Actual result and unit	34.215 m AOD
Acceptance criterion and source	34.210 m AOD, +/- 10 mm per drawing D-500 notes
Instrument and calibration reference	Auto level AL-03, checked 2026-09-01
Comparison	Within criterion

Level or dimensional check 2: Plot 23 connection invert, level

Measurement point and parameter	Plot 23 connection invert, level
Actual result and unit	34.050 m AOD
Acceptance criterion and source	34.035 m AOD, +/- 10 mm per drawing D-500 notes
Instrument and calibration reference	Auto level AL-03
Comparison	Outside criterion
Exception and response	Relaid on 2026-10-15 and rechecked at 34.038 m AOD. Accepted by J. Pryce.

Level or dimensional check 3: Bedding depth under barrel, plot 22

Measurement point and parameter	Bedding depth under barrel, plot 22
Actual result and unit	105 mm
Acceptance criterion and source	100 mm minimum per detail D-510
Instrument and calibration reference	Tape
Comparison	Within criterion
Checks outside the criterion	1

Concealed-work evidence





5. Testing and handover

Approved test method and separate result/certificate reference	Air test to the approved ITP, result held separately as test sheet DT-0930-04
Defects and retest or reinspection evidence	FW-13 to FW-14 relaid and reinspected 15 October. Unguarded trench edge noted at the start of the visit; barriers placed before inspection continued.
As-built record and handover recipient	As-built markup on D-500 rev F to the site manager, R. Doyle
Untested or inaccessible sections	FW-14 chamber not built. Blue water service in the same trench is outside this inspection.

6. Actions and review

Are further actions required?	Yes

Further action 1: Relay FW-13 to FW-14 to the design fall of 1 in 80 and recheck the invert levels before backfill.

Action and evidence reference	Relay FW-13 to FW-14 to the design fall of 1 in 80 and recheck the invert levels before backfill.
Person responsible	Groundworks foreman
Target date	15 Oct 2026
Action status	Completed
Completion evidence	Relaid 15 October. Rechecked at 33.995 to 33.720, 1 in 80. Accepted by J. Pryce.

Further action 2: SW-6 to SW-7 has about 0.61 m cover under the plot 24 drive, design minimum 0.9 m. Ask the designer for a protection detail before backfill.

Action and evidence reference	SW-6 to SW-7 has about 0.61 m cover under the plot 24 drive, design minimum 0.9 m. Ask the designer for a protection detail before backfill.
Person responsible	J. Pryce
Target date	16 Oct 2026
Action status	In progress

Further action 3: Inspect FW-14 chamber once built, before backfill.

Action and evidence reference	Inspect FW-14 chamber once built, before backfill.
Person responsible	J. Pryce
Target date	21 Oct 2026
Action status	Open
Open actions	2
Outstanding limitations and information to pass on	Chamber FW-14 not inspected. SW-6 to SW-7 held until the designer's protection detail is agreed. Test result held separately.
Record status	Ready for review
Reviewed by	R. Doyle, site manager
Review date	15 Oct 2026

Author signature



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