

Wall Inspections 25-26

Tue 23 Dec 2025

Revision Queensferry Road - Orchard Drive 25-73

Items 1

Inspections

Project: Inspections
List: Wall Inspections 25-26

Revision: Queensferry Road - Orchard Drive 25-73
Items: 1

#	Wall name	Inspection date	Category rating
1	Queensferry Road - Orchard Drive	Fri 28 Nov, 2025	⋯ P3

1 of 1

Wall name: Queensferry Road - Orchard Drive

Wall/No: 25-73

Letter delivered to private owner:	No
All above ground elements inspected:	Yes

Inspection weather conditions: Sunny

Location

Location plan:



Inspection summary

Inspection Summary: An inspection of the boundary wall between Queensferry Road and the land within Orchard Toll was undertaken on 28th November 2025, by [REDACTED] (Engineer), following reports of a 'warped' and 'leaning' wall.

The wall, constructed of stone, measures approximately 67m in length. At the time of inspection, the wall and its base were clear of debris and vegetation.

Overall, both sides of the wall appeared to be in relatively good condition, with only minor deterioration observed along most of its length. An exception was noted at the north face of the west end, where more significant mortar failure and loose masonry were present. The loose masonry measured approximately 42cm (L) x 29cm (H), and 27cm (L) x 20cm (H).

The tables below summarise the measured heights and degree of lean, on both sides of the wall. The wall appeared to be relatively plumb from 0m to 10m, and from 25m to 67m. As such, measurements were taken at 10m intervals.

Between 10m and 25m, displacement of the wall was observed, therefore measurements were taken at closer intervals of 5m.

South Face

Distance along the wall from west	Height (m)	Lean (degrees)	Calculated lean (mm)
0	1.38	0	0
10	1.19	-4	-8.3
15	1.22	-5	-10.7
20	1.22	-9	-19.3
25	1.23	-6	-12.9
30	1.23	0	0
40	1.20	0	0
50	1.15	0	0
60	1.10	0	0
67	1.07	0	0

North Face

Between 10m to 25m, where the wall above the pavement had displaced, there appeared to be a distinct horizontal line along most the north face. This line appeared to mark the point from which the wall began to lean on the north face.

Distance along the wall from west	Total Height (m)	Height from ground to 'horizontal line' (m)	Lean (degrees) from above the 'horizontal line'	Calculated max lean (mm) from above the 'horizontal line'
0	1.38	N/A	0	0
10	2.3	0.8	3-5	13.1
15	2.5	1.0	3-5	13.1
20	2.7	1.1	5-9	25.3
25	2.7	1.1	5-9	25.3
30	2.8	1.3	0	0
40	3.0	1.5	0	0
50	3.0	1.5	0	0
60	2.5	N/A	0	0
67	2.45	N/A	0	0

Calculated Retained Height

Distance along the wall from west	Retained Height (m)
0	0
10	1.11
15	1.28
20	1.48
25	1.47
30	1.57
40	1.80
50	1.85
60	1.40
67	1.38

Category of Enquiry

Likelihood:	Possible
Consequence:	Moderate

Inspection conclusions

Inspection conclusions/recommendations: It is recommended to:

1. Repair the masonry and mortar to the west of the wall; and
2. Monitor the lean of the wall and reassess in 6 months.

Information

Category rating:  P3

Inspection date: Fri 28 Nov, 2025

Inspector name

Images



📍 55.95469, -3.23388



📍 55.95469, -3.23385



📍 55.9547, -3.23377



📍 55.95471, -3.23343

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📍 55.95471, -3.23314

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📍 55.95469, -3.23279

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📍 55.95469, -3.23312

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📍 55.95471, -3.23284



55.9547, -3.23286



55.95464, -3.23249



55.95466, -3.23375



55.95476, -3.2338

Image comments		User	Date
Image 1	South face looking east		Tue 23 Dec 2025
Image 2	South face west end		Tue 23 Dec 2025
Image 3	South face area of displacement		Tue 23 Dec 2025

Image comments		User	Date
Image 4	South face general wall condition (1)		Tue 23 Dec 2025
Image 5	South face general wall condition (2)		Tue 23 Dec 2025
Image 6	South face looking west		Tue 23 Dec 2025
Image 7	Looking west at the area of displacement		Tue 23 Dec 2025
Image 8	North face looking west		Tue 23 Dec 2025
Image 9	Nort face looking west at the area of displacement		Tue 23 Dec 2025
Image 10	North face general condition		Tue 23 Dec 2025
Image 11	North face west end		Tue 23 Dec 2025
Image 12	North face west end loose masonry		Tue 23 Dec 2025