QuantRead

AI quantity take-off. Estimate only: check every quantity against the drawings and on site before quoting or ordering.

Groundworks take-off: strip foundations, slab and drainage

File: 02-groundworks-foundations.pdf Trade profile: Groundworks Pages: 1 Schedule: as read by AI

Item	Detail	Qty	Unit	Confidence
External foundation trench plan area	600 mm wide trench	24	m2	high
Internal foundation trench plan area	600 mm wide; junctions with external trenches excluded	4.4	m2	medium
External foundation trench excavation	600 mm wide x 1000 mm deep	24	m3	high
Internal foundation trench excavation	600 mm wide x 1000 mm deep, assumed same depth as external strip	4.4	m3	medium
External strip foundation	600 mm wide x 1000 mm deep, C25/30	40	m	high
Internal loadbearing wall strip	600 mm strip; length between inside faces of external trenches	7.4	m	medium
Foul drain 100 mm uPVC	pipe_dia_mm 100; foul_or_surface foul	20.5	m	high
Inspection chambers	450 mm inspection chambers; no gullies shown	3	nr	high
Strip foundation concrete C25/30	600 mm x 1000 mm section, assumed full-depth concrete	28.4	m3	medium

Scale by page

- Page 1: 1:100 (A3). Checked against: Not scaled — written dimensions used, as the sheet instructs. Annotated 1:50 and 1:60 are pipe gradients, not view scales.

Assumptions

- 8000 mm taken as centre-to-centre, on the same dashed trench centre line as the 12000 mm dimension.
- Internal strip extra length measured between the inside faces of the external trenches (8.0 m less 0.6 m) so junctions are not measured twice.
- Internal strip assumed 1000 mm deep, matching the general strip note; depth is not separately written.
- C25/30 assumed to fill the full 600 mm x 1000 mm trench section.
- Slab note applied to the whole area within the external walls, both bays, not only the bay labelled SLAB.
- All 100 mm uPVC runs taken as foul. 1:50 and 1:60 are gradients, not drawing scales.

Check on site

- p1: Confirm the 8000 mm dimension is to wall centre lines; the caption is written only on the 12000 mm dimension.
- p1: External wall thickness not shown — slab area, slab concrete and sub-base quantity cannot be calculated.
- p1: Ground and cover levels not shown — reduced-level excavation, drainage trench depth and manhole depths cannot be calculated.
- p1: Confirm the internal strip is 1000 mm deep and that concrete fills the full section.
- p1: MH2 to MH3 invert drop is 150 mm in 9.5 m (1:63); the annotation says 1:60.
- p1: Invert and gradient of the 3.5 m run to the existing sewer are not shown.

AI estimate of quantities only. Not a price, a survey or a bill of quantities. Check every quantity against the drawings and on site before you quote or order.