Site Drainage Addendum

123 Sample Street, Anytown

SITE INFORMATION

Address	123 Sample Street, Anytown
Report date	2026-09-01

PREPARED BY

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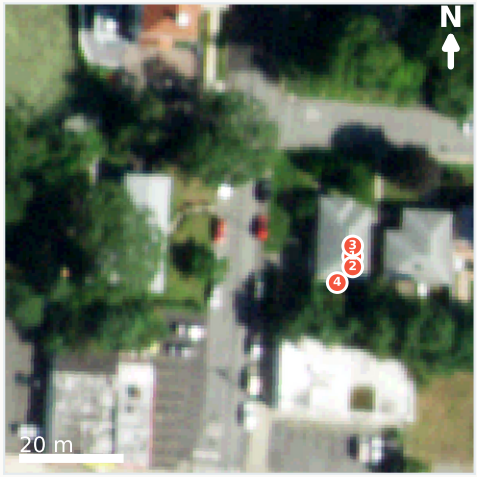
FINDINGS

- 18 of 26 measured perimeter positions are below the 6-inch-over-10-feet grading target.

  IRC R401.3

- 14 positions are too close to call and are counted neither way.

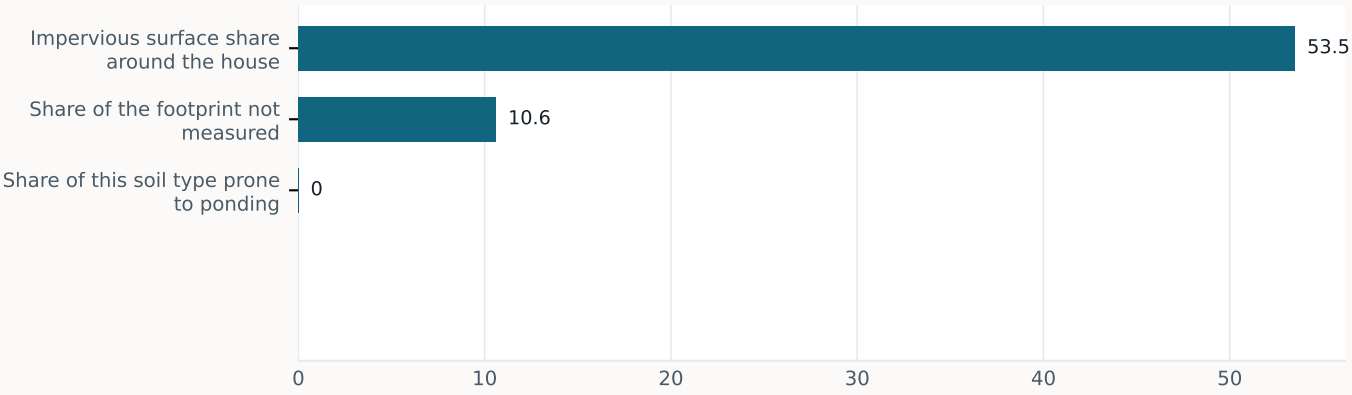
  stated measurement uncertainty



The property from above. Numbered: the 4 positions missing the grading target beyond measurement uncertainty

Where the ground falls short, by marker

	AT	GROUND, FIRST 10 FT
1	E side	rises 7.2 in, back toward the building
2	E side	rises 2.9 in, back toward the building
3	E side	rises 2.4 in, back toward the building
4	S side	rises 0.6 in, back toward the building



Measured values (%)

Address and building footprint area	**1,675 sq ft**
Measurement date	Not available for this property
Building measurements provided	**Yes**
Ground fall across the building footprint	**5.1 ft**
Share of the footprint not measured	**10.6 %**
Perimeter table: ground fall in the first 10 ft	**26**
Perimeter positions below the grading target	**18**
Perimeter positions sloping toward the building	**26**
Perimeter positions that clearly miss the target, located	**4 recorded**
Soil type	**Urban land-Sample complex, 3 to 8 percent slopes**
Soil drainage class	**Well drained**

Soil limitation class for homes with basements	**Not limited**
Share of this soil type prone to ponding	**0 %**
Flooding frequency	**None**
Design-storm 24-hour rainfall depth	**8.78 in**
Design-storm rainfall availability	**Yes**
Impervious surface share around the house	**53.5 %**
Place and county	**Anytown**
Hydrologic soil group (A-D)	No entry for this location
Depth to seasonal high water table	No entry for this location
Flood zone	Not available for this property
Levee dependence, and levee overtopping chance	Not available for this property
Years with a paid flood claim in this block group	Not available for this property
Subwatershed, and distance to nearest stream	Not available for this property

WHAT THIS DOES NOT COVER

- stories are an INFERENCE from height, not a count. A church, a warehouse and a car park all break the divisor
- a roof is separated from an overhanging tree by whether we could see the ground beneath. Dense canopy right over a roof can still obscure it, and the share of the footprint that had to be dropped for that reason is stated with the height
- rooftop plant, aerials and parapets are part of the maximum unless they are too small for the grid to see. The median is the more stable number for a whole building
- a roof is also separated from canopy by ROUGHNESS: a roof plane changes by centimeters cell to cell and a crown by meters. Cells failing that are dropped and counted
- where a mapped footprint contains essentially nothing standing, this REFUSES rather than reporting noise as a short building

- coverage is US-only and uneven; no coverage means no answer, not no building
- the ground falls 5.1 ft across this footprint, so uphill and downhill wall heights genuinely differ by about that much
- 30 cell(s) inside the footprint were dropped as ROUGH — canopy dense enough to block the ground entirely still varies by meters cell to cell, and a roof does not
- IRC R401.3 asks for 6 inches of fall in the first 10 feet. THE MEDIAN PERIMETER MEETS IT AT ONLY 12% OF STATIONS, so a low compliance percentage is normal; the number that separates one property from another is how many measured stations drain TOWARD the building
- the differential measurement has a MEASURED standard deviation of 0.162 m — not 0.069. Two surface measurements differenced do not cancel their error, they compound it, which was checked after being predicted wrong
- and 24 further limits, all returned with the measurements themselves.

DISCLAIMER

This report presents measurements and public-record findings for the property named above, as of the date shown. It is provided for information only. It is not a survey, an engineering opinion, an appraisal, a title search, an environmental site assessment, or a determination by any government agency, and it must not be used in place of one. Where a professional certification is required, a licensed professional must provide it. Conditions at a property change; a finding here describes the property as recorded, not as it may be today. Measure makes no warranty and accepts no liability for decisions taken on this document.