| Urban Layout Metrics | $\begin{aligned} & \text { Pre- } \\ & 1900 \end{aligned}$ | $\begin{gathered} 1900- \\ 1938 \end{gathered}$ | $\begin{gathered} 1938- \\ 1957 \end{gathered}$ | $1957 \text { - }$ | $\begin{gathered} 1990- \\ 2013 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Roads |  |  |  |  |  |
| Share of Built-up Area Occupied by Roads | 29\% | 23\% | 24\% | 24\% | 17\% |
| Share of Built-up Area That Is Gridded | 52\% | 30\% | 10\% | 3\% | 3\% |
| Share of Roads Less Than 4 Meters Wide | 6\% | 5\% | 5\% | 10\% | 24\% |
| Share of Roads More Than 16 Meters Wide | 38\% | 31\% | 37\% | 25\% | 4\% |
| Arterial Roads |  |  |  |  |  |
| Total Area of Zone (km²) | 23 | 372 | 198 | 1424 | 2880 |
| Total Length of Arterial Roads ( $\mathrm{km}^{2}$ ) | 91 | 1075 | 525 | 2807 | 1827 |
| Density of All Arterial Roads (km/km²) | 3.95 | 2.89 | 2.65 | 1.97 | 0.53 |
| Average Beeline Distance to All Arterial Roads (meters) | 107 | 187 | 166 | 287 | 582 |
| Share of Area within Walking Distance of All Arterial Roads | 100\% | 95\% | 98\% | 89\% | 64\% |

## Block Size, Plot Size, Intersection Density, and Walkability

| Share of Intersections that are 4-Way | $38 \%$ | $30 \%$ | $20 \%$ | $6 \%$ | $10 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Average Block Size (ha) | 4.9 | 7.4 | 9.0 | 10.4 | 4.9 |
| 4-Way Intersection Density (number per $\mathrm{km}^{2}$ ) | 42 | 18 | 9 | 6 | 16 |
| Walkability Ratio | 1.5 | 1.7 | 1.6 | 1.7 | 2.3 |
| Average Plot Size in Informal Land Subdivisions |  |  |  | 230 | 205 |
| Average Plot Size in Formal Land Subdivisions | 560 | 1034 | 1136 | 960 | 493 |

## Stages in the Evolution of Residential Layouts

| Share of Built-up Area That Is Residential | $26 \%$ | $52 \%$ | $47 \%$ | $57 \%$ | $64 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Share of Residential Areas Not Laid Out Before Development | $2 \%$ | $0 \%$ | $0 \%$ | $1 \%$ | $18 \%$ |
| Share of Residential Areas Laid Out Before Development | $98 \%$ | $100 \%$ | $100 \%$ | $99 \%$ | $82 \%$ |
| Share of Residential Area in Informal Land Subdivisions |  | $6 \%$ |  | $11 \%$ | $41 \%$ |
| Share of Residential Area in Formal Land Subdivisions | $98 \%$ | $88 \%$ | $89 \%$ | $74 \%$ | $38 \%$ |
| Share of Residential Area in Housing Projects | $0 \%$ | $6 \%$ | $11 \%$ | $14 \%$ | $3 \%$ |

Average Block Size (hectares)


Share of Area Within Walking Distance of Arterial Road (625m)

Share of Roads Less Than 4-meters Wide


