## Manila, Philippines (Southeast Asia 1898 – 2014)

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Urban Layout Metrics	Pre- 1898	1898 - 1945	1945 - 1971	1971 - 1990	1990 - 2014		
Roads							
Share of Built-up Area Occupied by Roads		23%	19%	15%	23%		
Share of Built-up Area That Is Gridded		20%	8%	0%	0%		
Share of Roads Less Than 4 Meters Wide		9%	10%	17%	26%		
Share of Roads More Than 16 Meters Wide	14%	18%	13%	1%	1%		
Arterial Roads							
Total Area of Zone (km²)	6	69	67	752	1112		
Total Length of Arterial Roads (km²)		131	139	476	1681		
Density of All Arterial Roads (km/km²)		1.89	2.08	0.63	1.05		
Average Beeline Distance to All Arterial Roads (meters)		219	186	1014	372		
Share of Area within Walking Distance of All Arterial Roads	100%	96%	98%	52%	81%		
Block Size, Plot Size, Intersection Density, and Walkability							
Share of Intersections that are 4-Way	25%	31%	20%	10%	10%		
Average Block Size (ha)		2.3	4.5	3.5	2.8		
4-Way Intersection Density (number per km <sup>2</sup> )		34	19	11	29		
Walkability Ratio		1.5	1.7	1.6	1.7		
Average Plot Size in Informal Land Subdivisions					94		
Average Plot Size in Formal Land Subdivisions	308	260	471	247	97		
Stages in the Evolution of Residential Layouts							
Share of Built-up Area That Is Residential	45%	45%	47%	62%	55%		
Share of Residential Areas Not Laid Out Before Development		46%	40%	58%	36%		
Share of Residential Areas Laid Out Before Development		54%	60%	42%	64%		
Share of Residential Area in Informal Land Subdivisions		0%	0%	0%	33%		
Share of Residential Area in Formal Land Subdivisions		54%	57%	42%	25%		
Share of Residential Area in Housing Projects		0%	3%	0%	6%		





