

CATCHMENT 3

Catchment 3 comprises 3-4 storey residential buildings. The yard areas usually contain a parking area and a sand/gravel areas as playgrounds (Figure 1). There are only two small short stretches of vehicular roads at the opposite ends of the catchment, Rautakiskonkuja and Vallikuja streets (Figure 2). Otherwise all roads are walkways without vehicular traffic. Hence, the proportion of vehicular roads is only 3% in Table 1. Overall, the impervious constructed land cover within the catchment is rather evenly distributed to roofs, walkways, and parking areas (Table 1). There is about a 9 m difference between the upstream and downstream ends of the sewer system; however, rather flat areas can be found inside the catchment as well (Figure 3).



Figure 1. SWMM model view of Catchment 3.

Table 1. Catchment 3 land cover data.

	Area (ha)	Proportion (%)
Vegetation	1.85	42.4
Roof	0.74	17.0
Walkway	0.72	16.5
Parking	0.63	14.3
Sand	0.23	5.2
Road	0.13	3.0
Pavers	0.07	1.6
Rock	0.00	0.1
Total	4.37	100

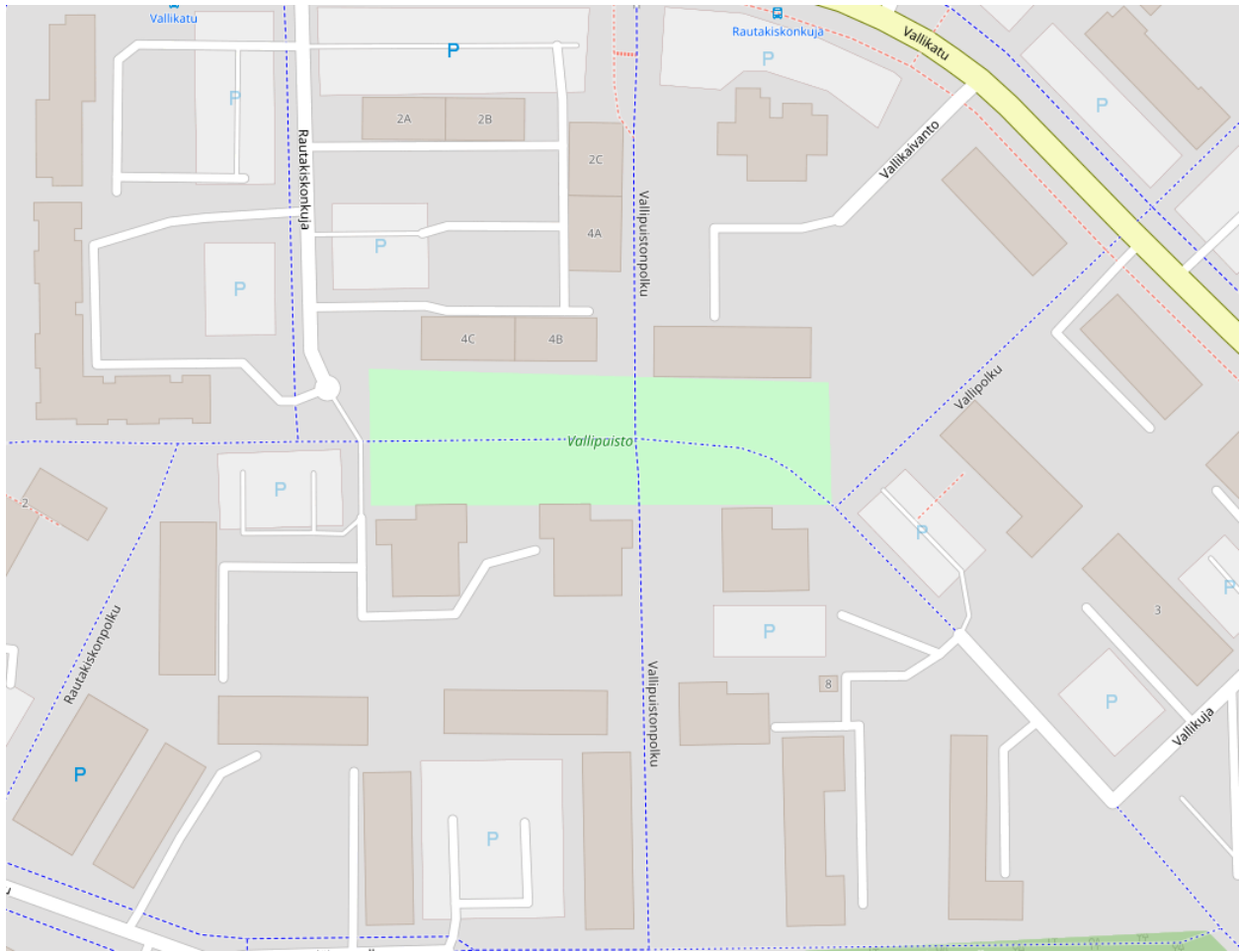


Figure 3. Map view of Catchment 3 in OpenStreetMap (<https://www.openstreetmap.org/#map=18/60.22770/24.81662>).

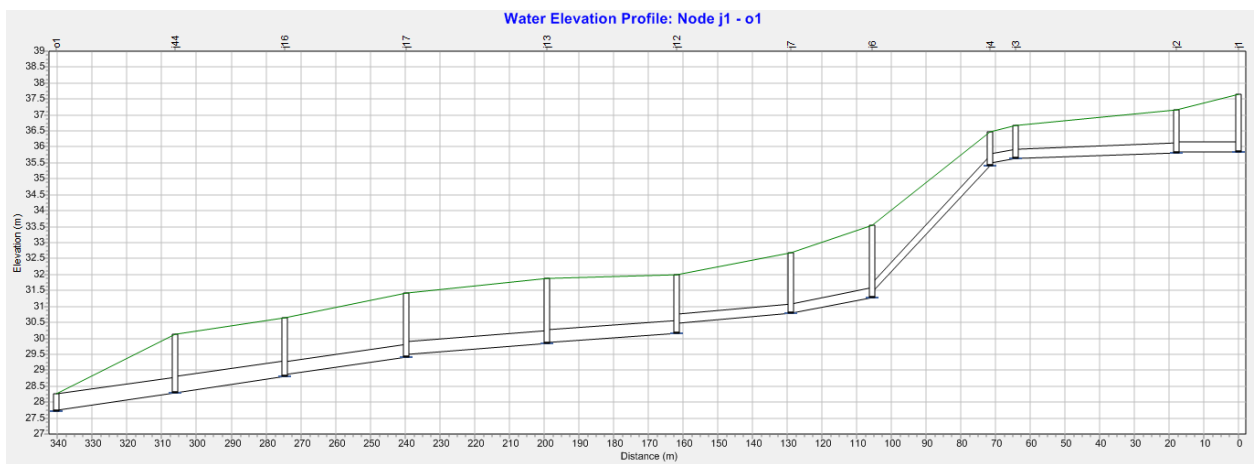


Figure 2. An elevation profile of the sewer network at Catchment 3.