

## CATCHMENT 2

Catchment 2 is built around an intersection of three vehicular streets, Lintuvaarantie, Vallikatu and Kyyhkysmäki (Figure 1-2). It has a mixed land use, including residential buildings with parking areas, and small commercial blocks including e.g. restaurants and a grocery shop. There are also some gravel/sand areas, mainly on playgrounds. About 56% of the catchment is covered with constructed impervious surfaces, of which a considerable proportion (>70%) consists of traffic related areas (Table 1). Overall, the catchment area is rather steep as there is a 10 m elevation difference between the upstream and downstream ends of the sewer system; however, rather flat areas can be found inside the catchment area (Figure 3).



Figure 1. SWMM model view of Catchment 2.

Table 1. Catchment 2 land cover data.

	Area (ha)	Proportion (%)
Vegetation	1.37	35.0
Roof	0.62	15.9
Parking	0.57	14.4
Walkway	0.52	13.4
Road	0.47	12.1
Sand	0.29	7.4
Pavers	0.04	1.1
Rock	0.03	0.7
Total	3.92	100

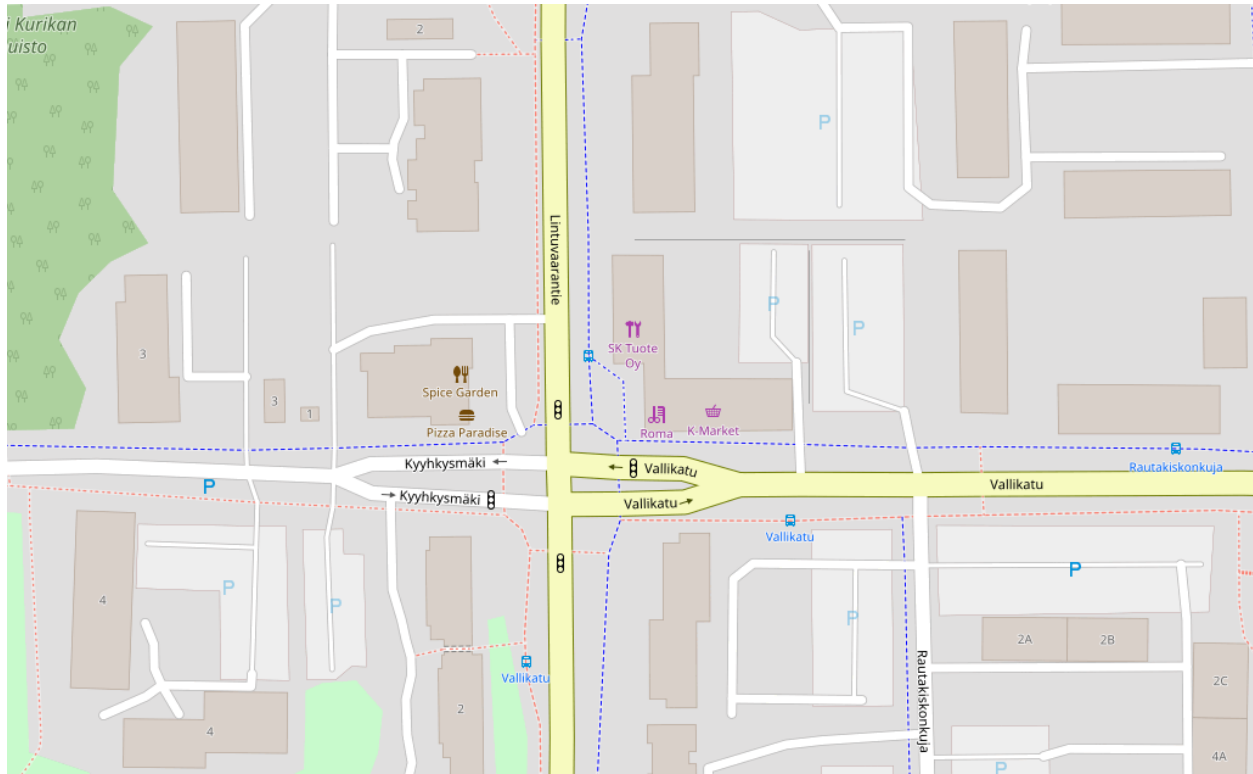


Figure 2. Map view of Catchment 2 in OpenStreetMap (<https://www.openstreetmap.org/#map=18/60.22875/24.81422>).

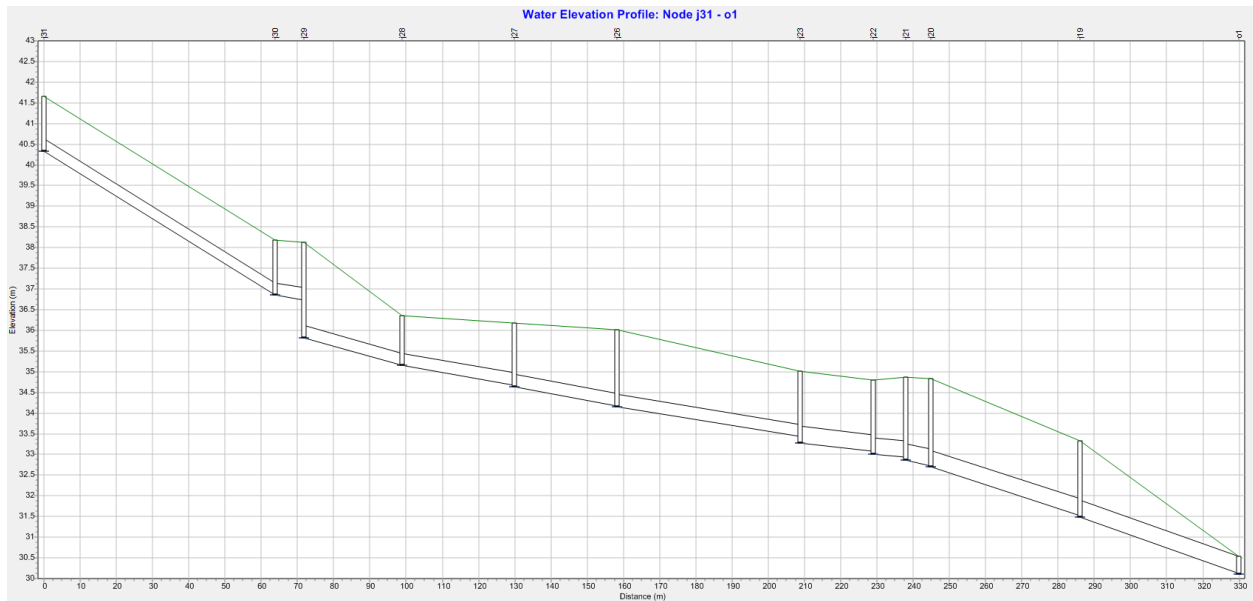


Figure 3. An elevation profile of the sewer network at Catchment 2.