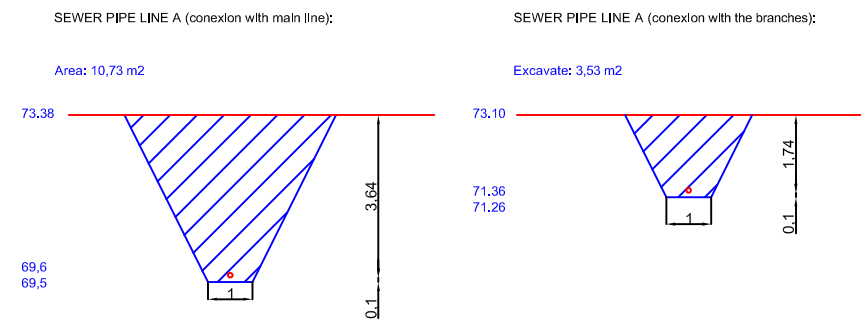


# SEWER EXCAVATIONS

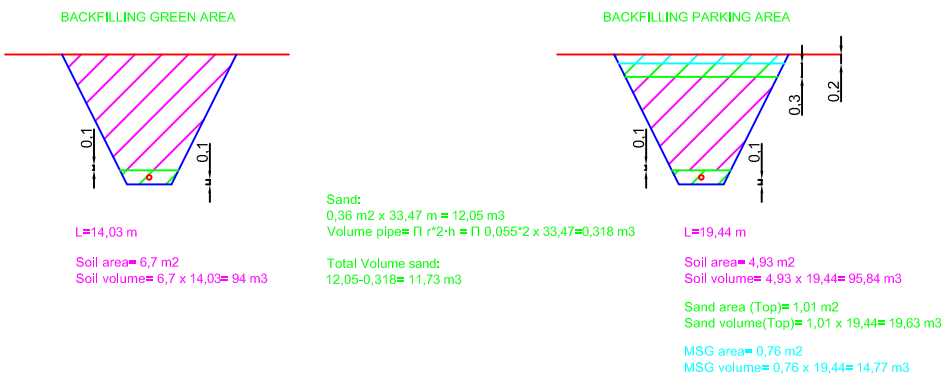
1a



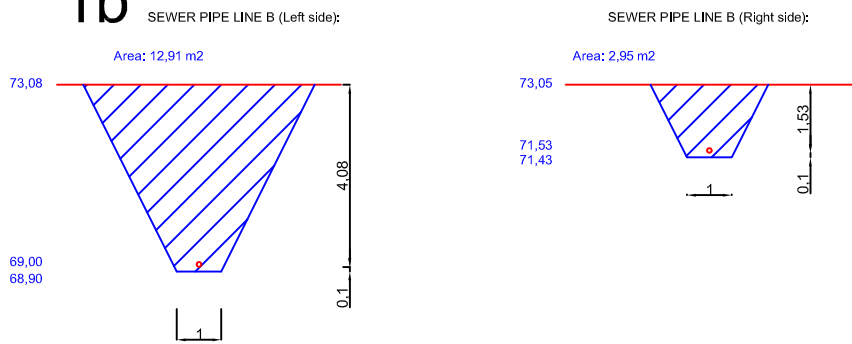
Average of the 2 areasbecause there is a slope):

$$(10,73 + 3,53)/2=7,13 \text{ m2}$$

$$\text{Excavation m3}= 7,13 \times \text{L}= 7,13 \times 33,47= 238,64 \text{ m3}$$



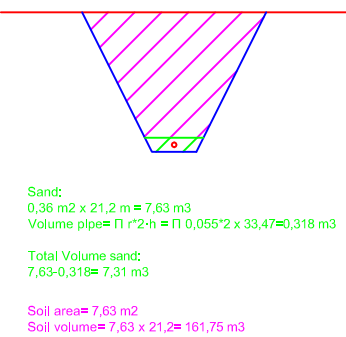
1b



Average of the 2 areasbecause there is a slope):

$$(12,95 + 2,95)/2=7, 95 \text{ m2}$$

$$\text{Excavation m3}= 7, 95 \times \text{L}= 7,95 \times 21,2= 168,54 \text{ m3}$$



1c

SEWER PIPE 3 branches:

