

Bezonningsstudie

Dit is een bezonningsstudie ten behoeve van de geplande nieuwbouw op Sluiseiland te Vianen. De bouwvelden, zoals gedefinieerd in het ontwerp bestemmingsplan (juni 2018) zijn tot de maximale (nok)hoogte opgetrokken om duidelijk inzicht te geven in de schaduwwerking voor de directe omgeving. In dit ontwerp bestemmingsplan worden ook maximale goothoogtes aangegeven; deze zijn in deze studie buiten beschouwing gelaten.

De volgende tijdsmomenten zijn meegenomen in de studie:

- 19 februari; start bezonningsstudie volgens TNO norm
- 21 maart; de dag dat de zon op 'half' staat, namelijk precies tussen de stand van 22 december en 21 juni in (zomertijd)
- 21 juni; de dag dat de zon het hoogst staat
- 21 september; de dag dat de zon op 'half' staat, namelijk precies tussen de stand van 21 juni en 22 december in (wintertijd)
- 21 oktober; einde bezonningsstudie volgens TNO norm
- 21 december; de dag dat de zon het laagst staat (extra)

Deze studie is gebaseerd op de TNO - lichte norm.

Deze studie wordt afgesloten met een conclusie.

werknummer
1720

opdrachtgever
Smit's Bouwbedrijf

werk
Sluiseiland
Vianen

stadium
VO

onderwerp tekening
Bezonningsstudie
Sluiseiland Vianen

schaal
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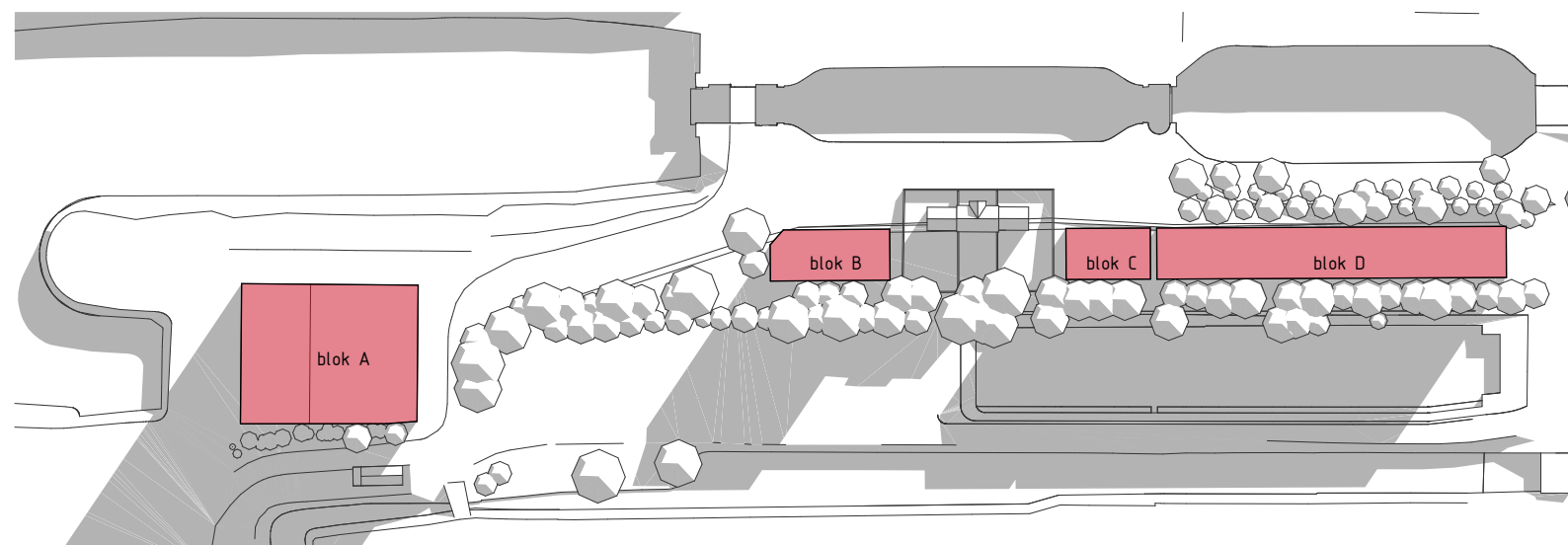
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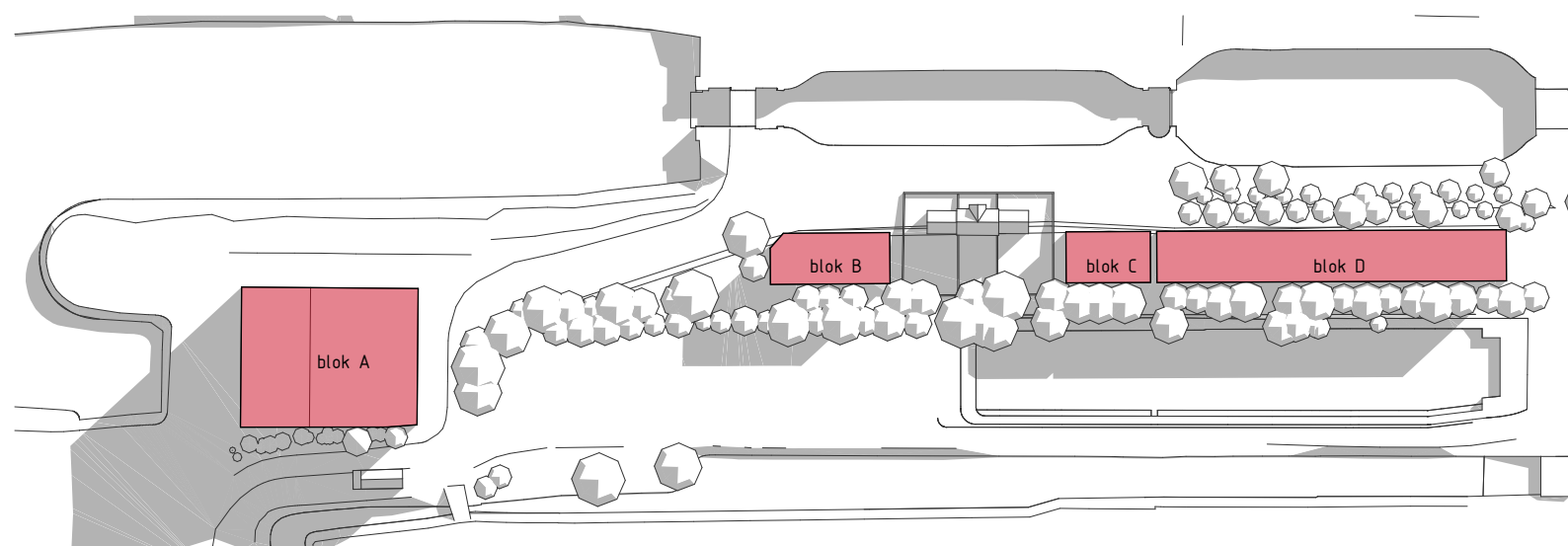
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11-09-2018

gewijzigd

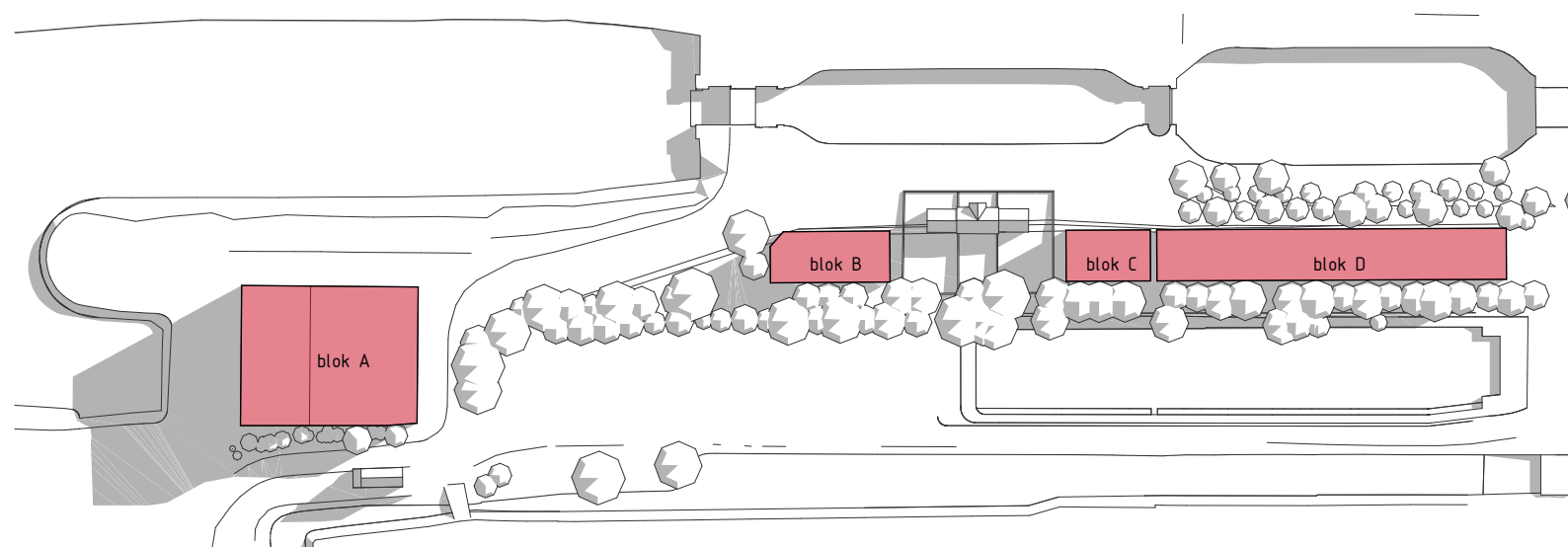
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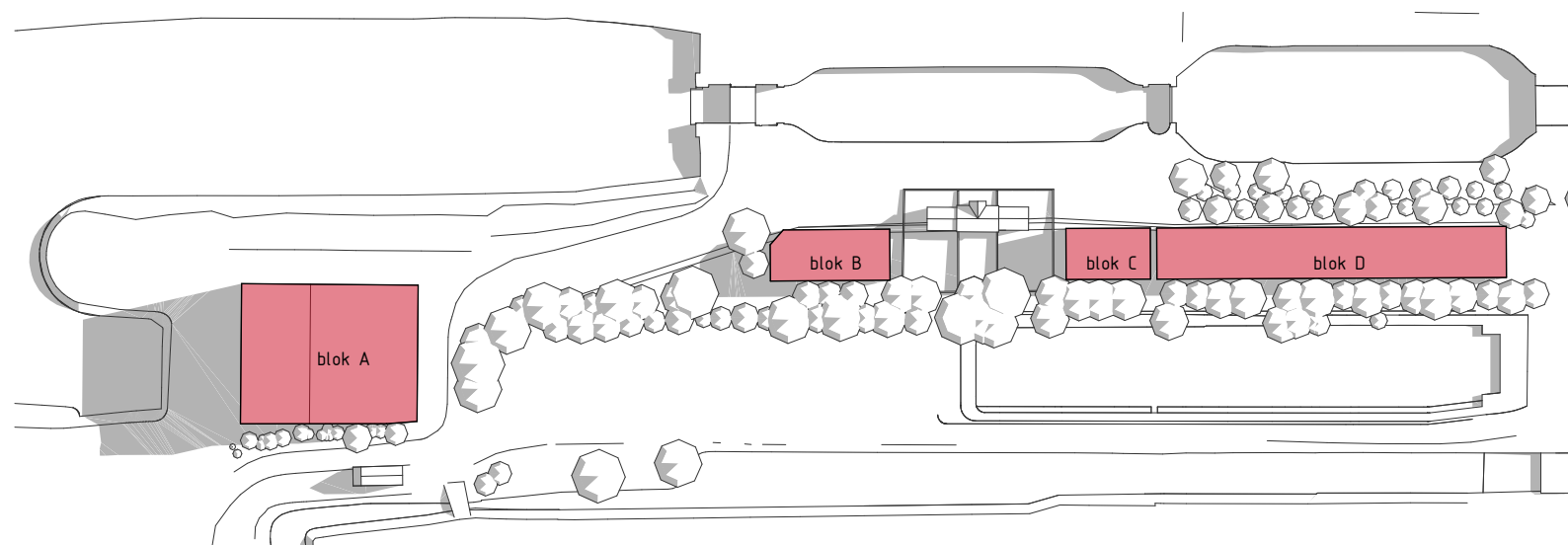
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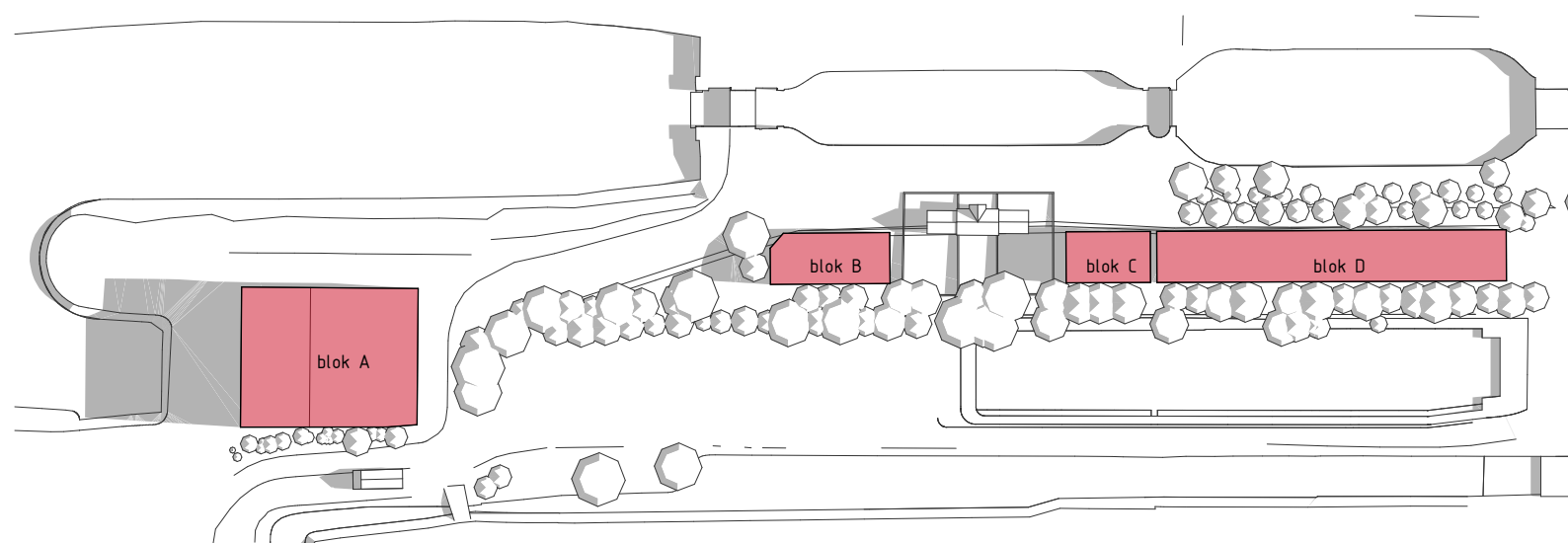
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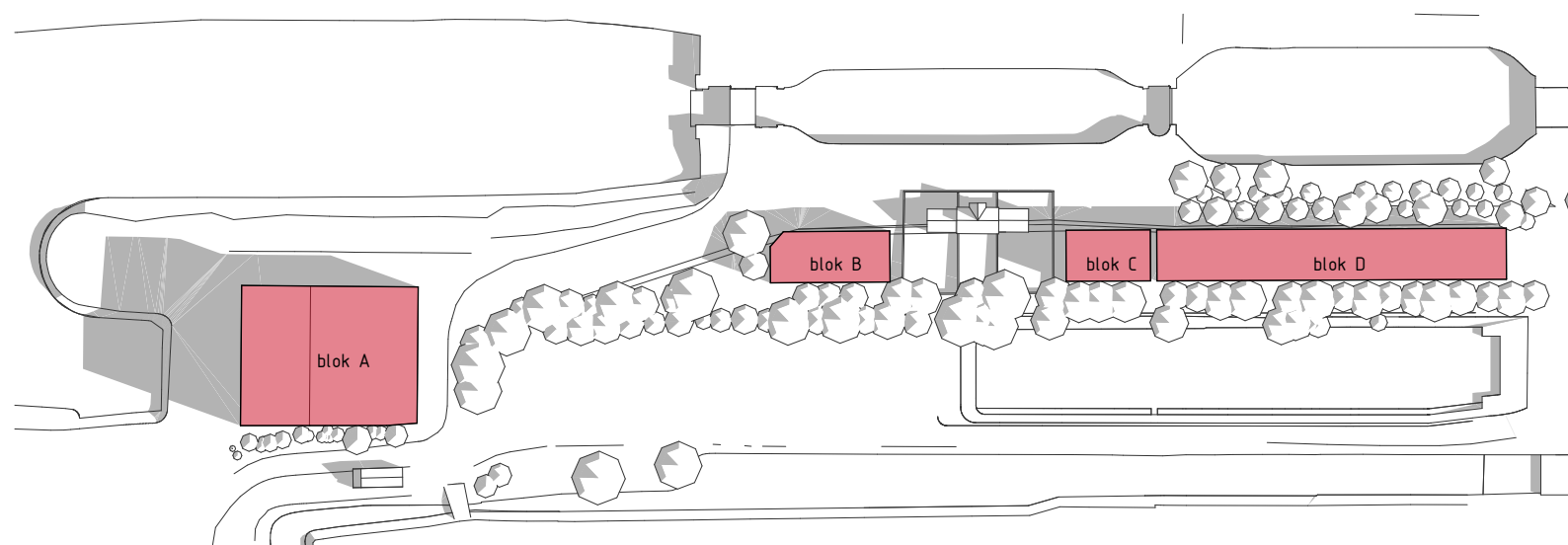
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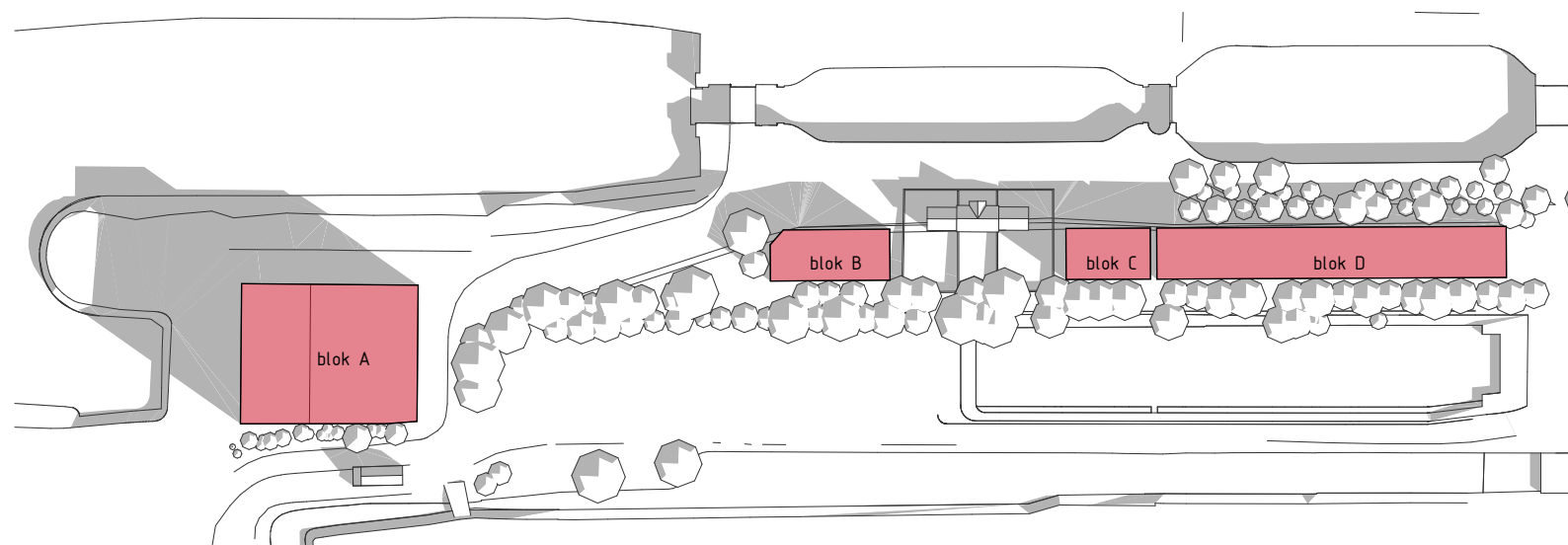
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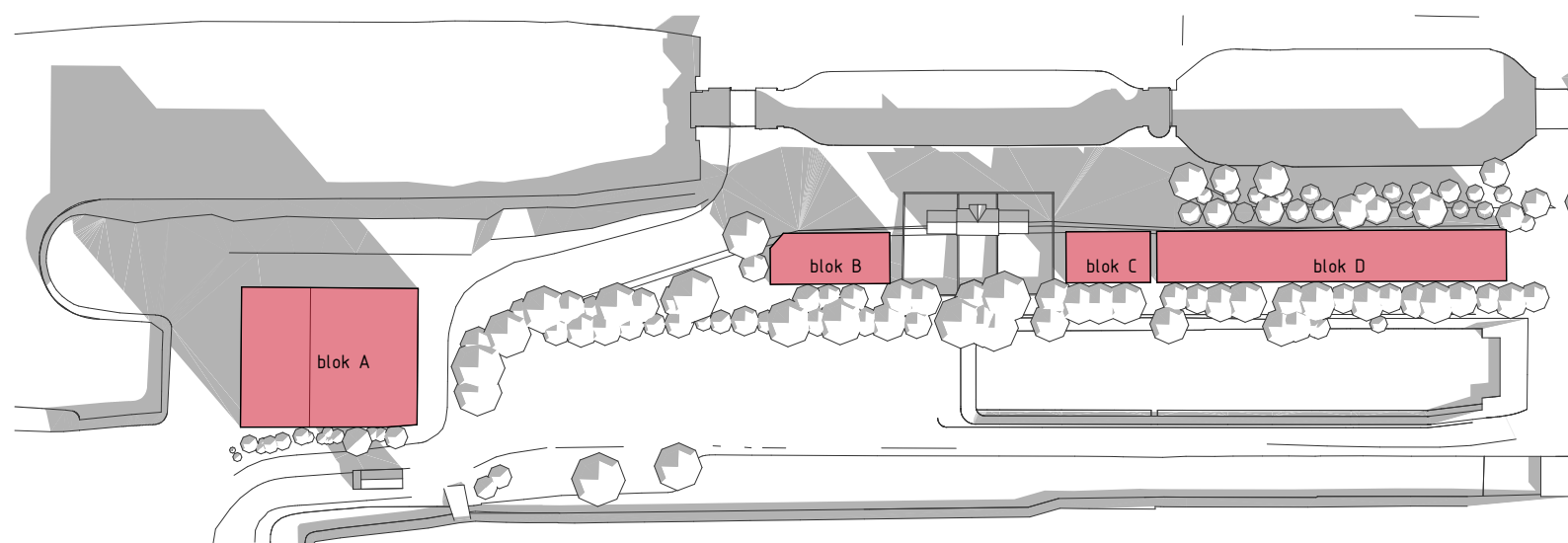
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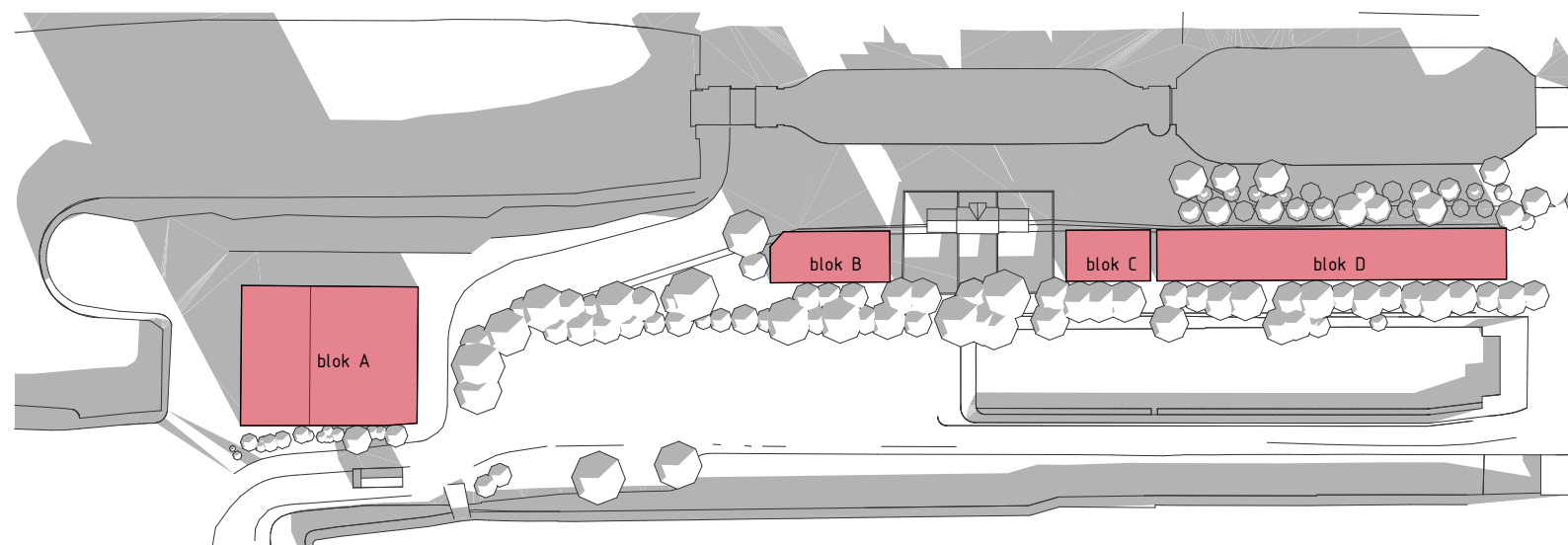
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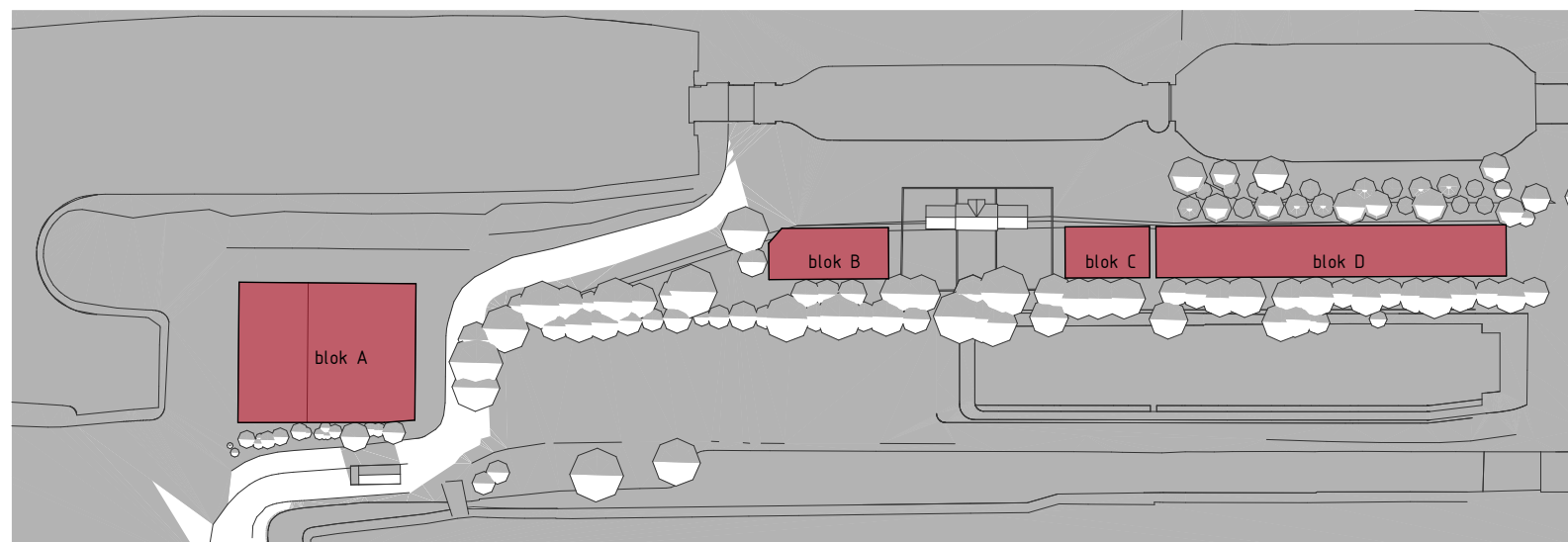
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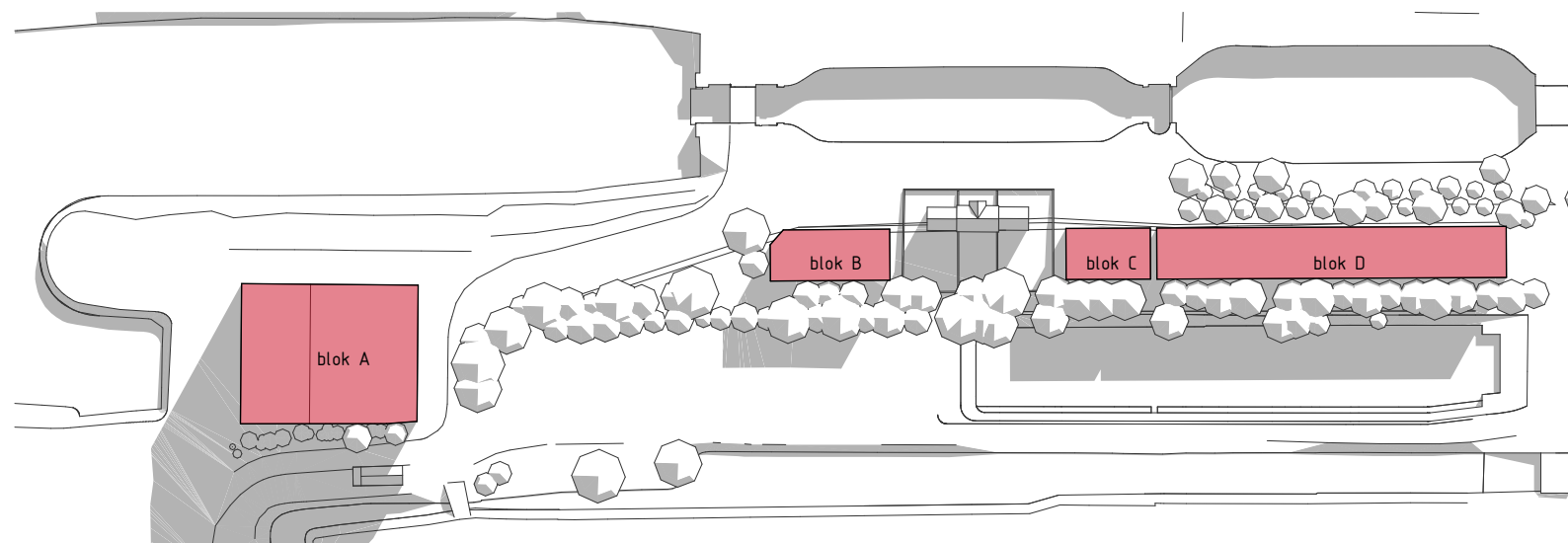
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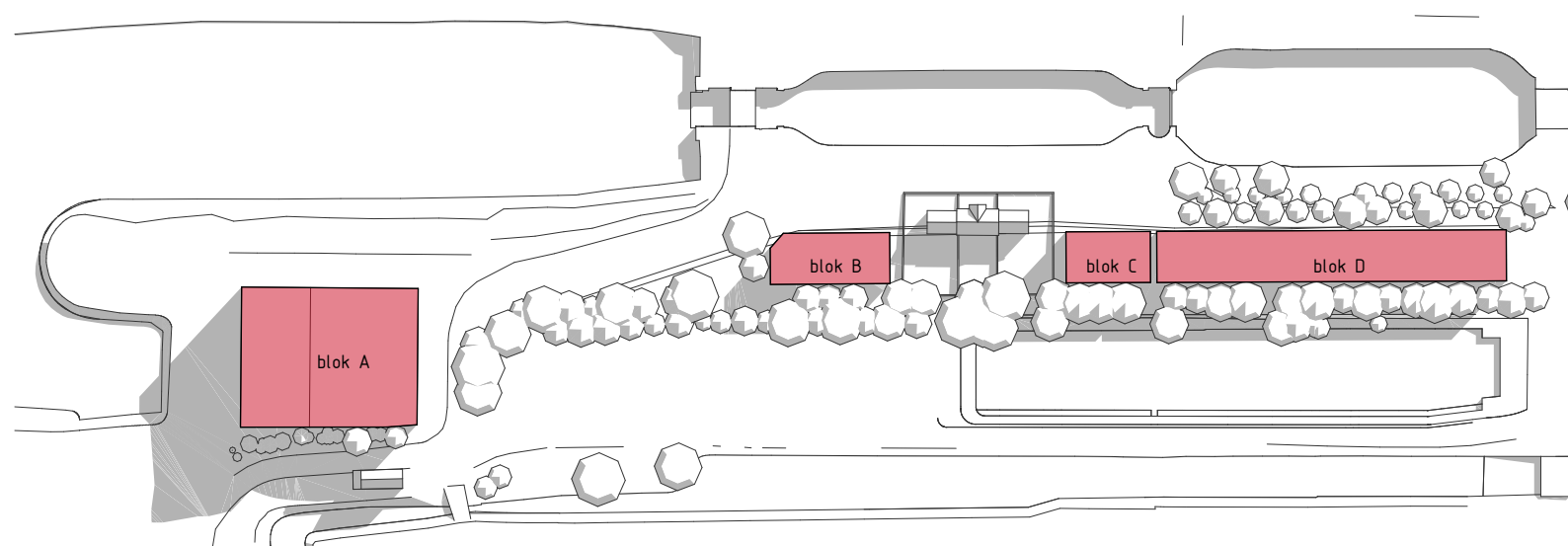
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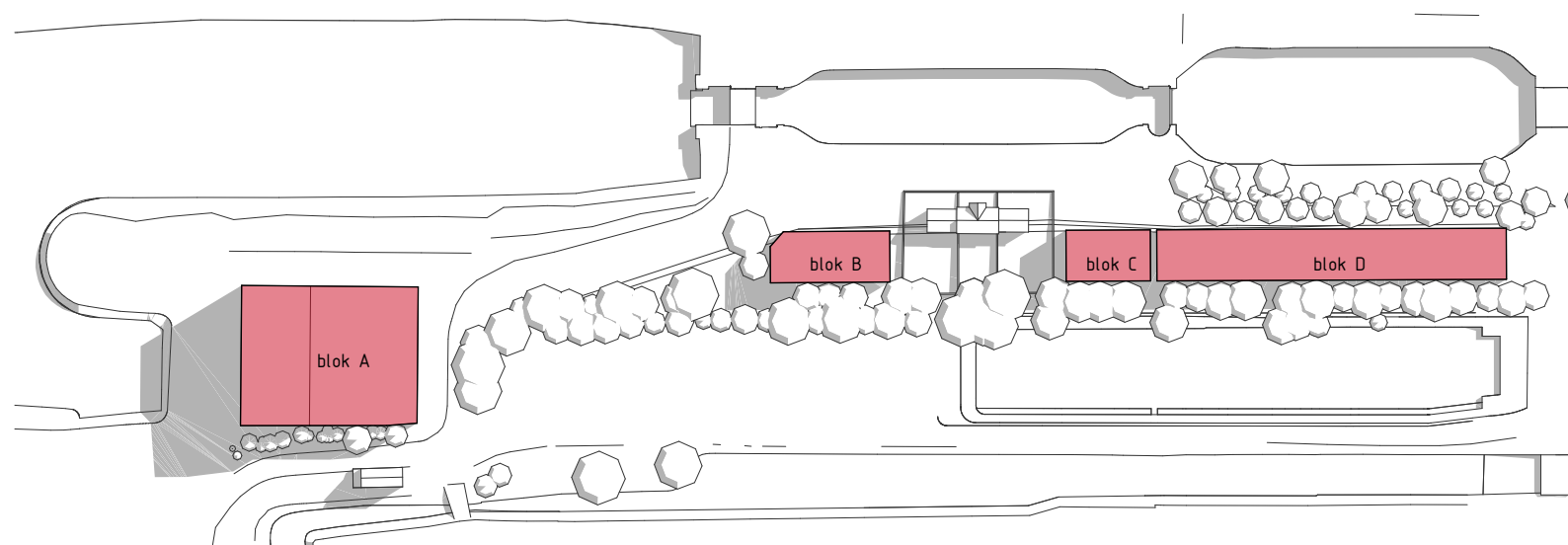
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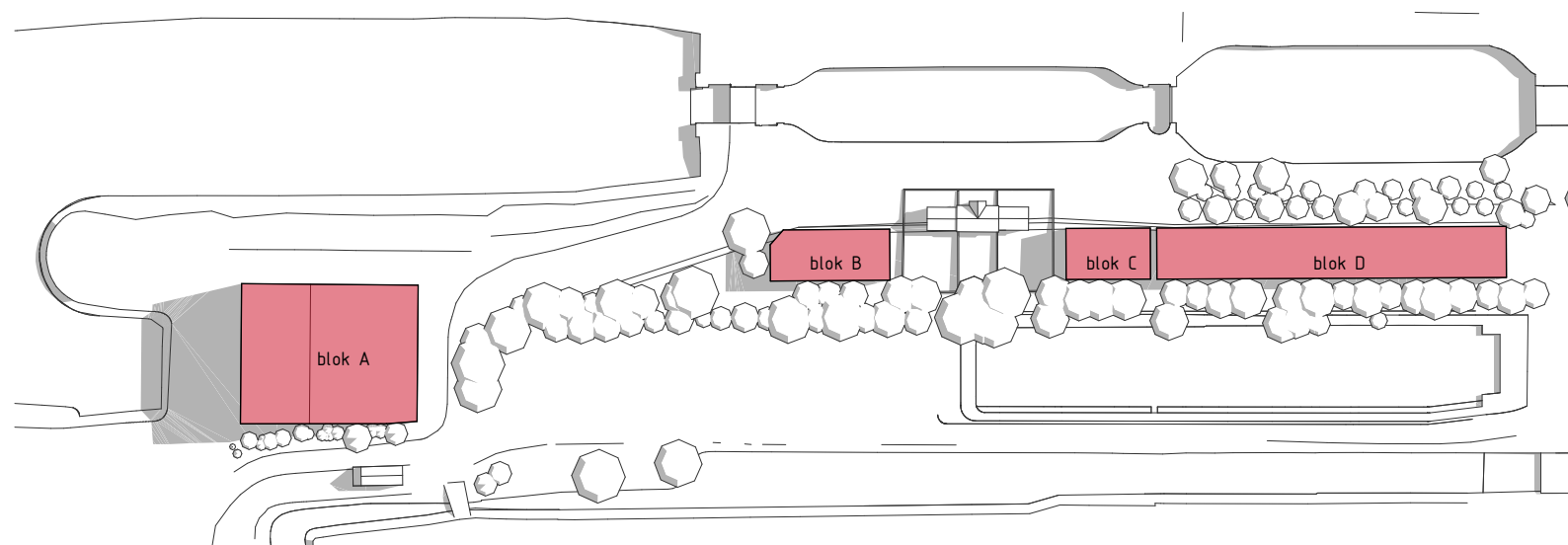
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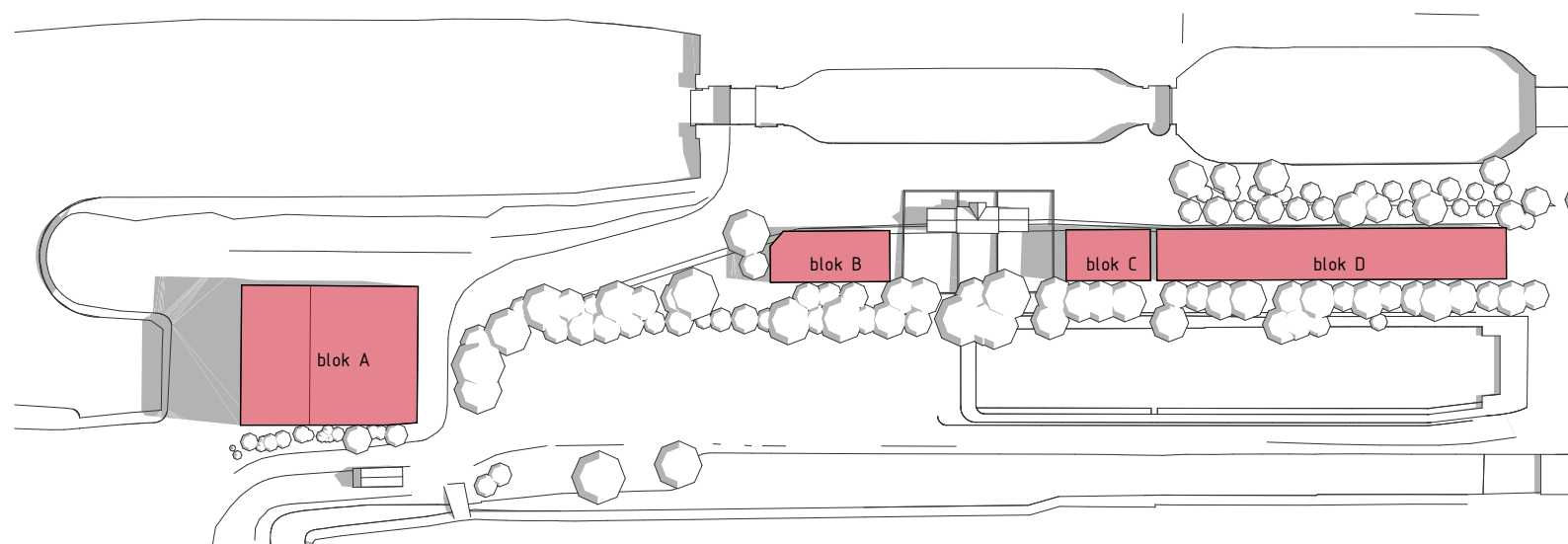
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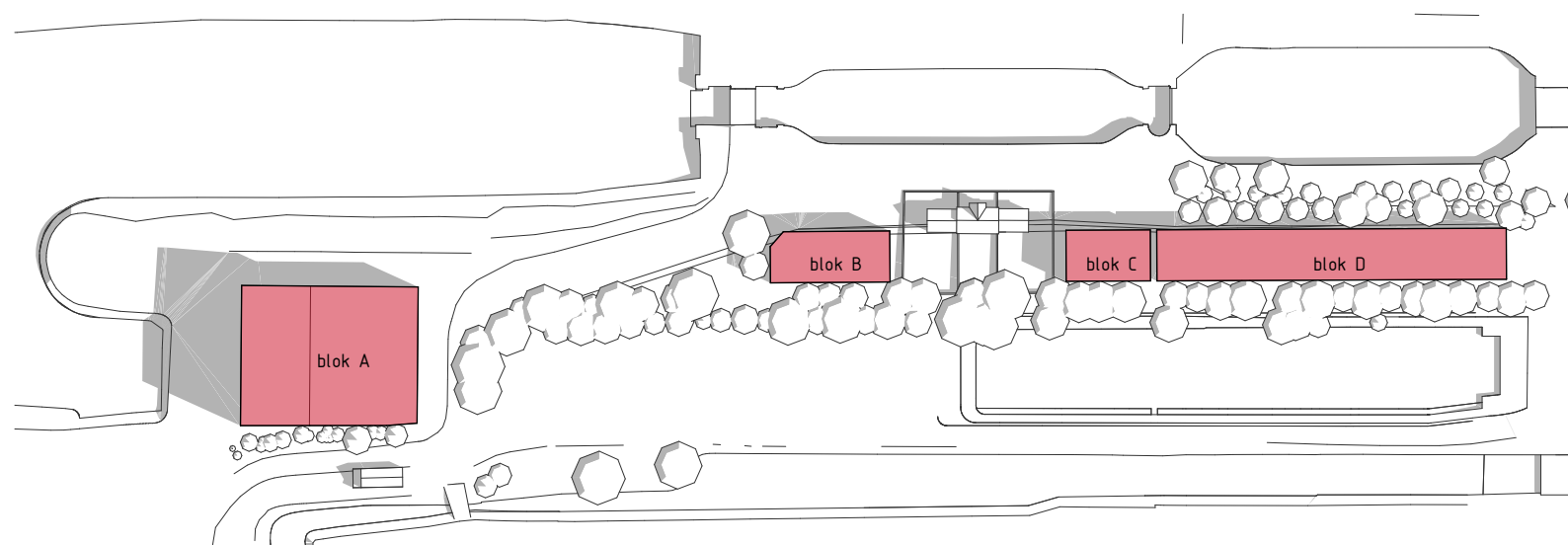
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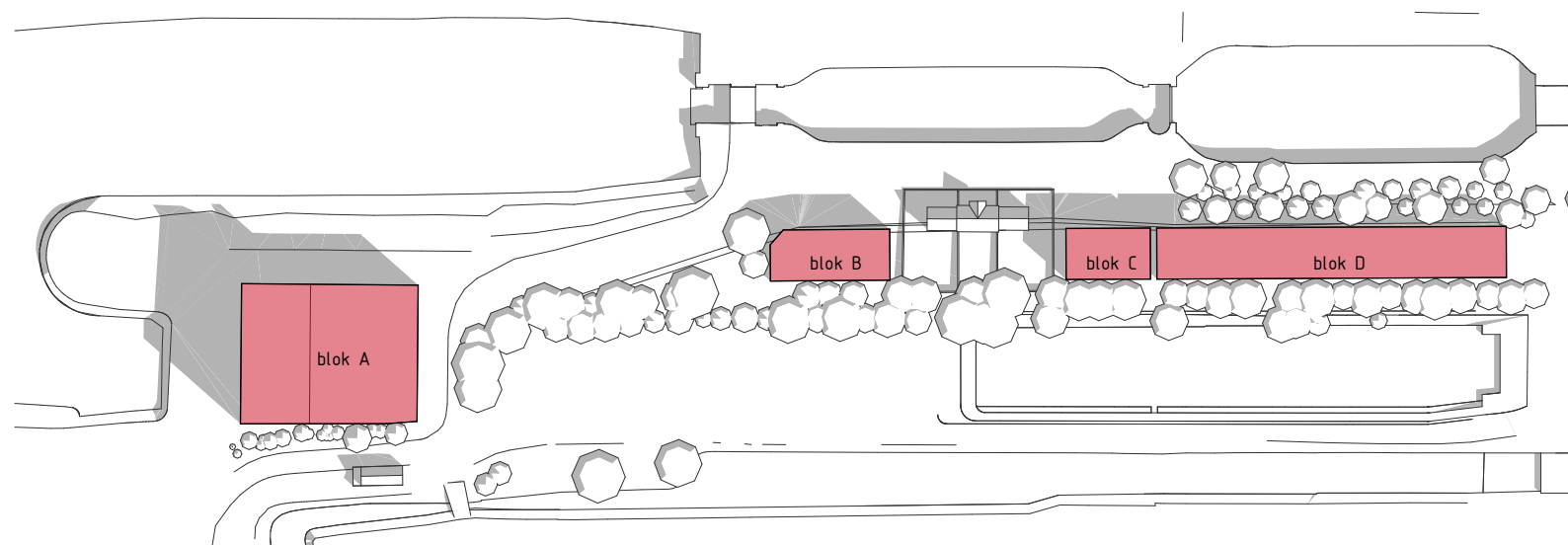
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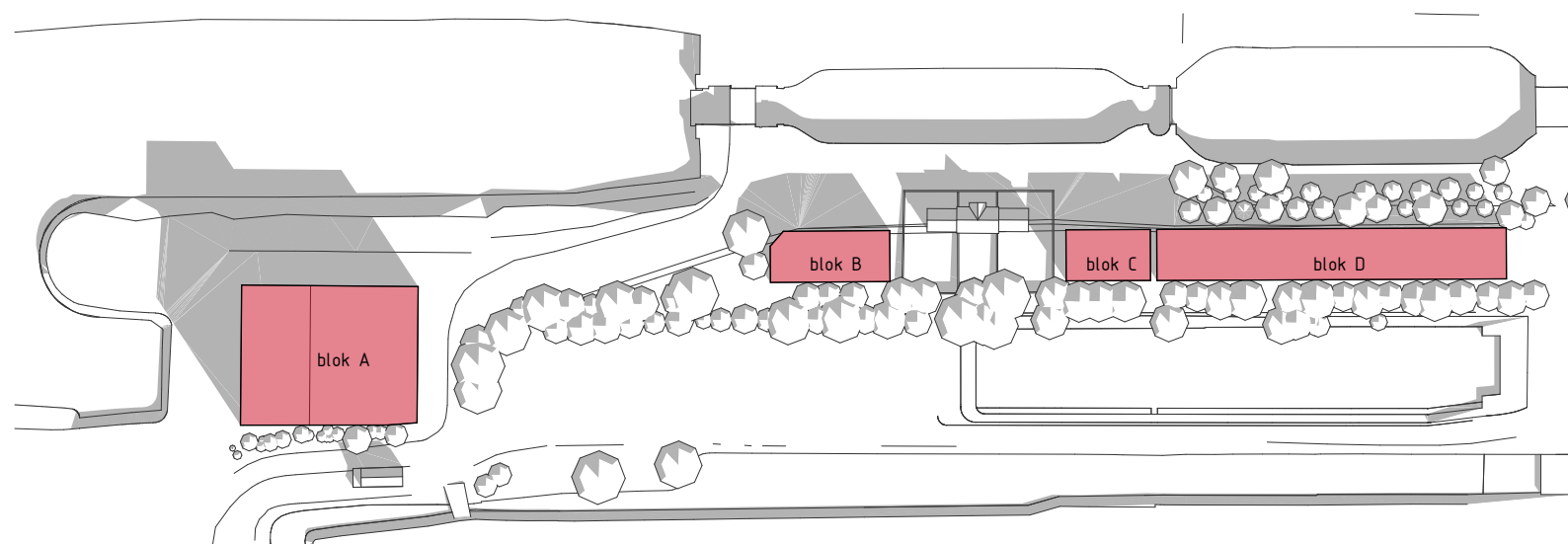
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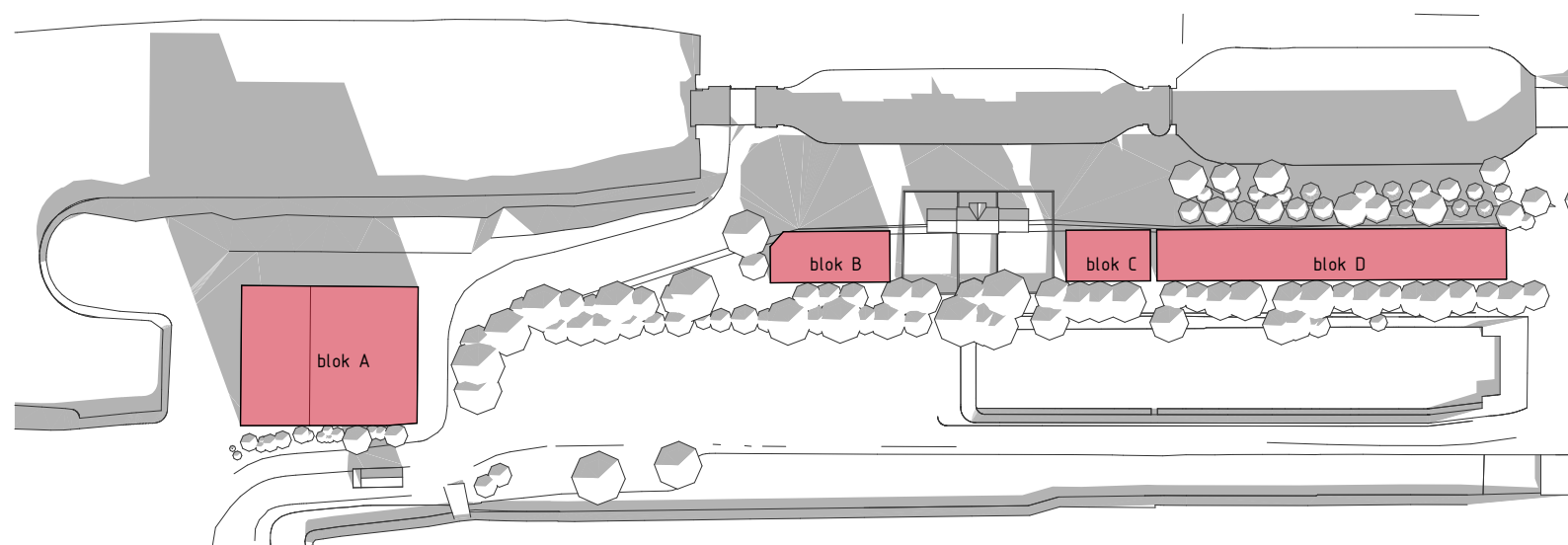
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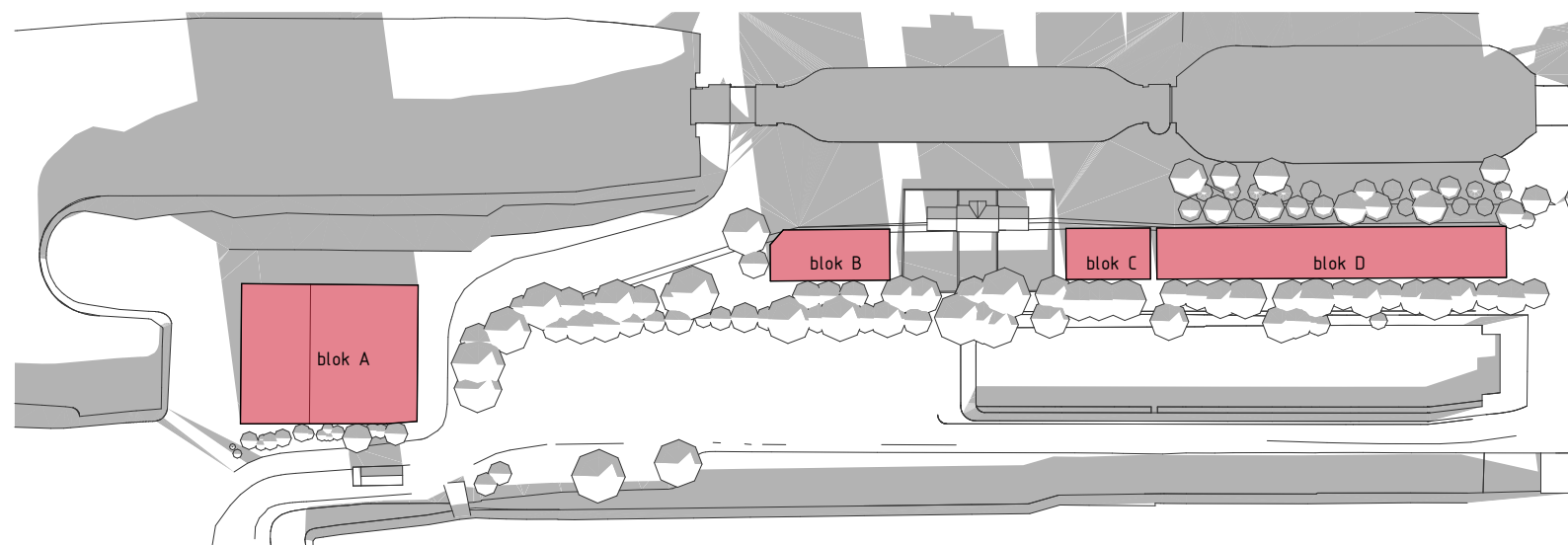
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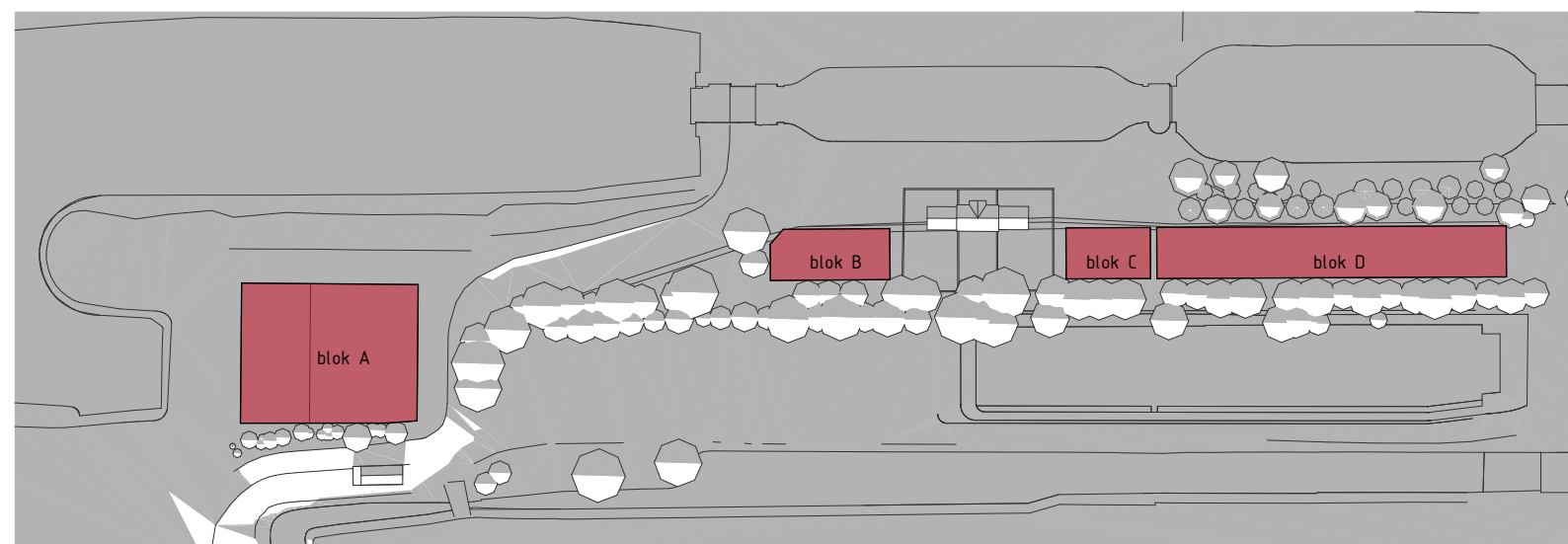
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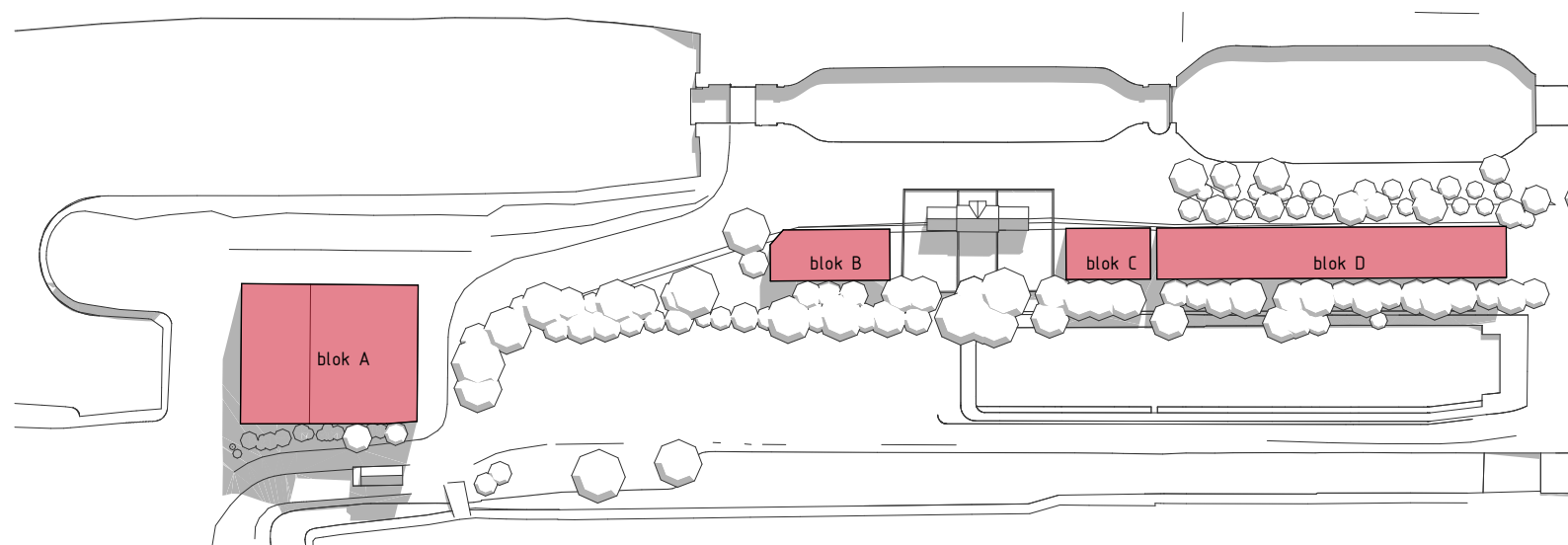
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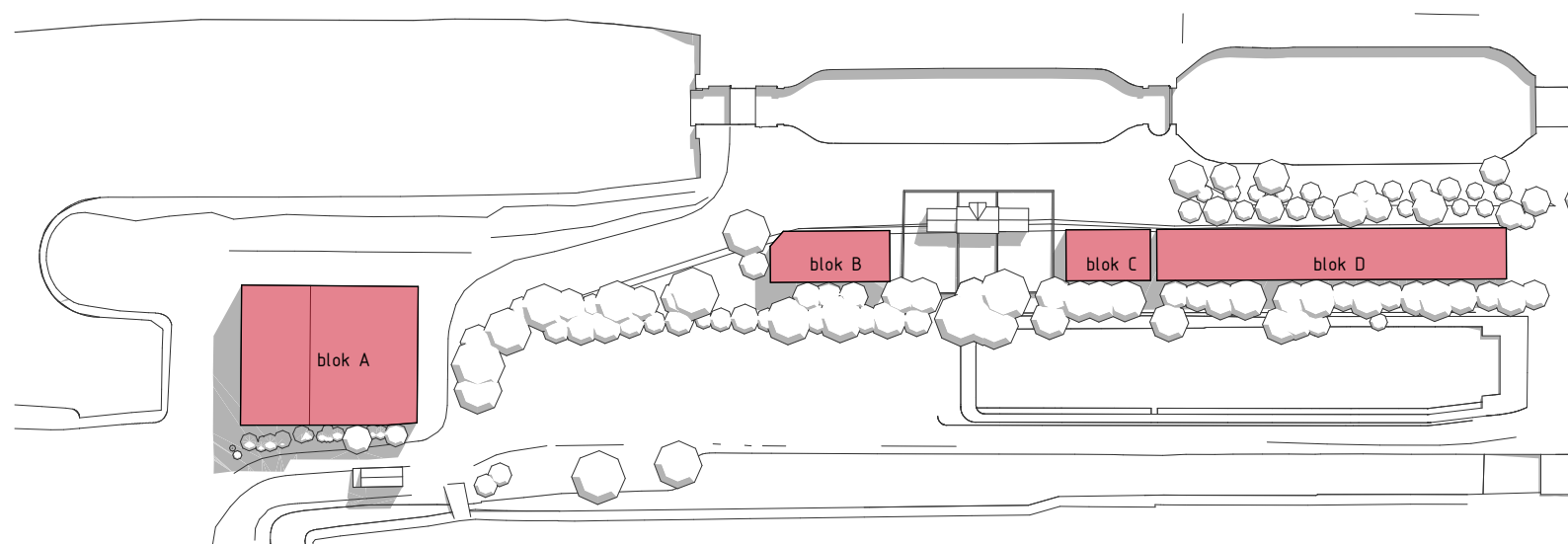
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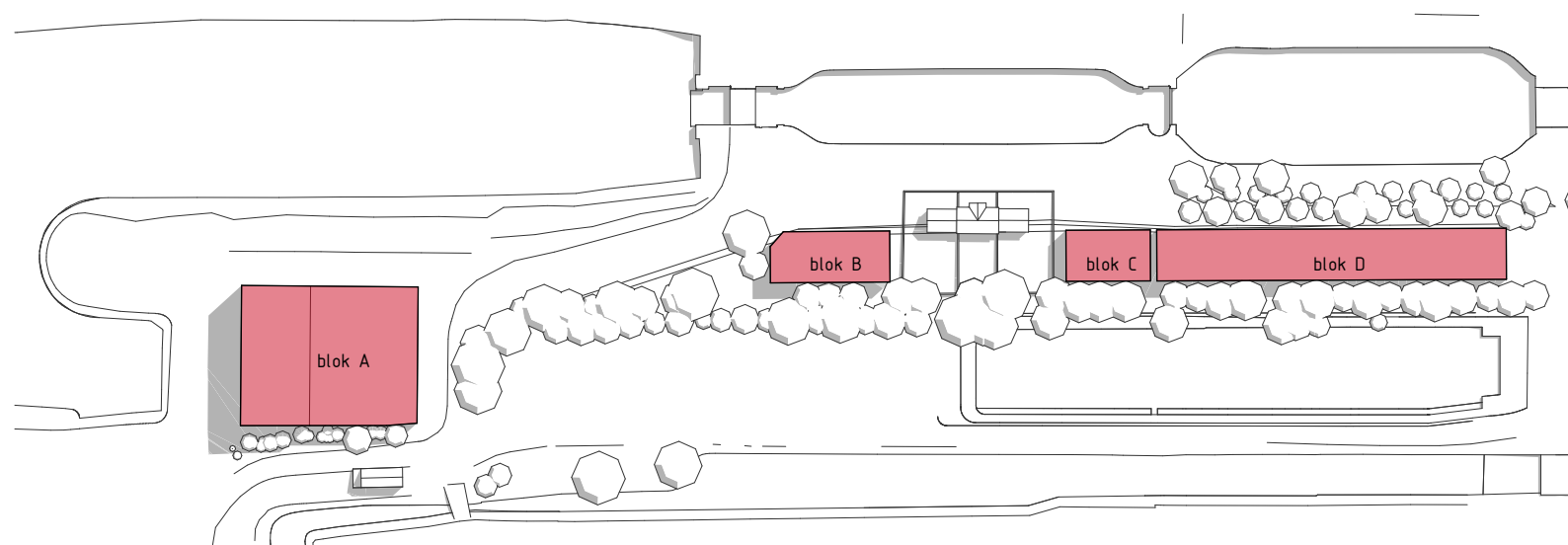
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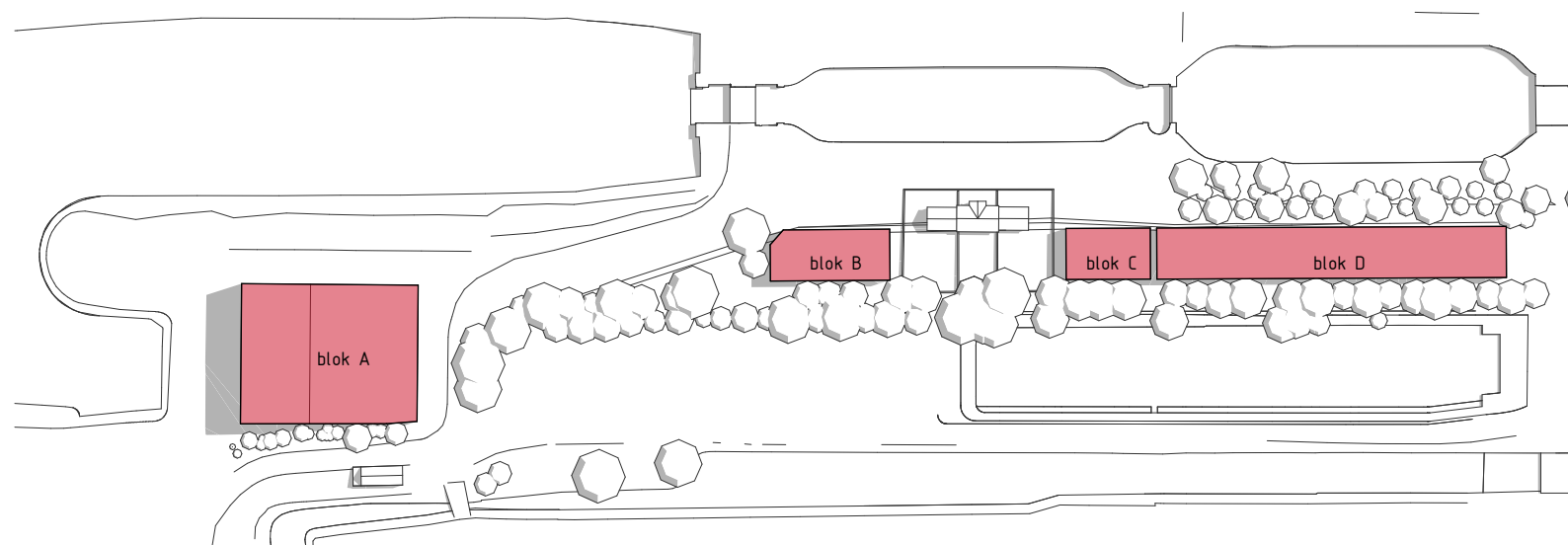
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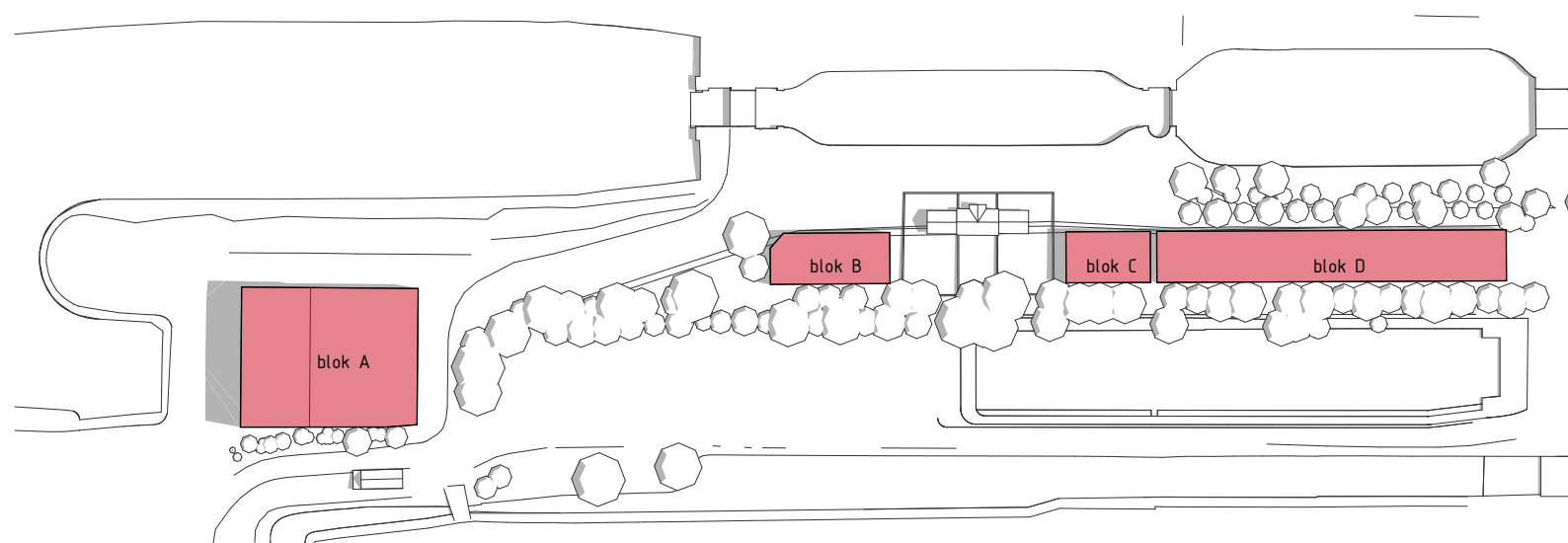
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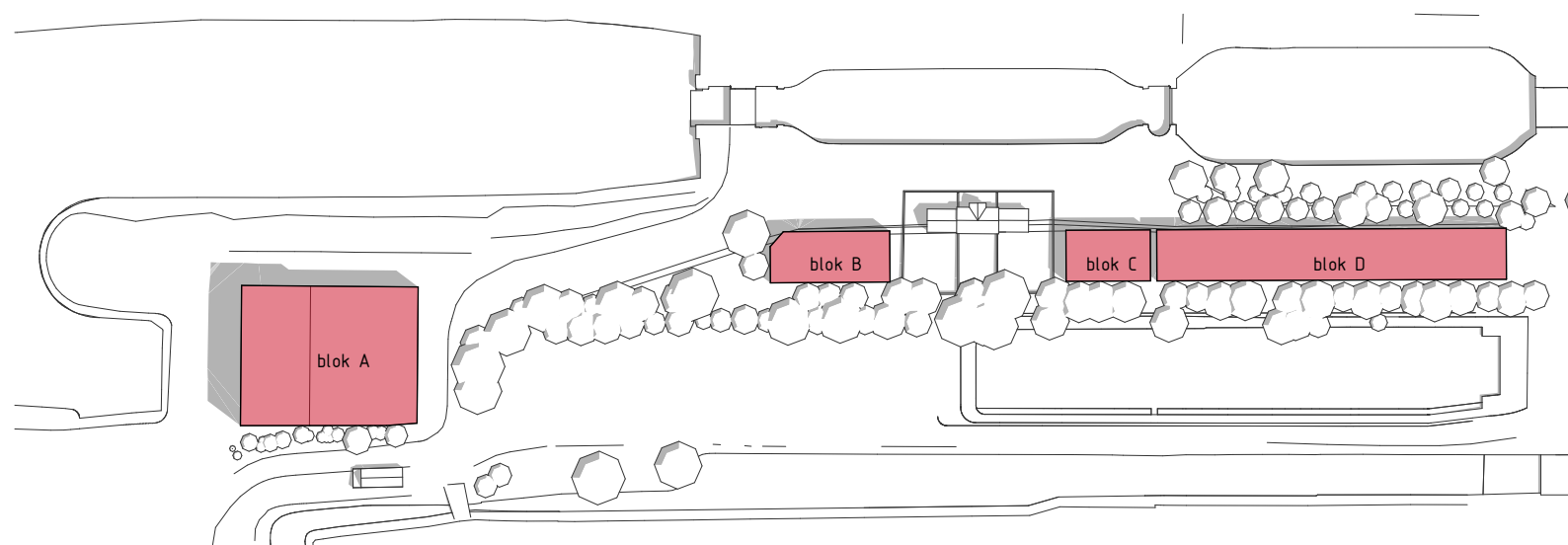
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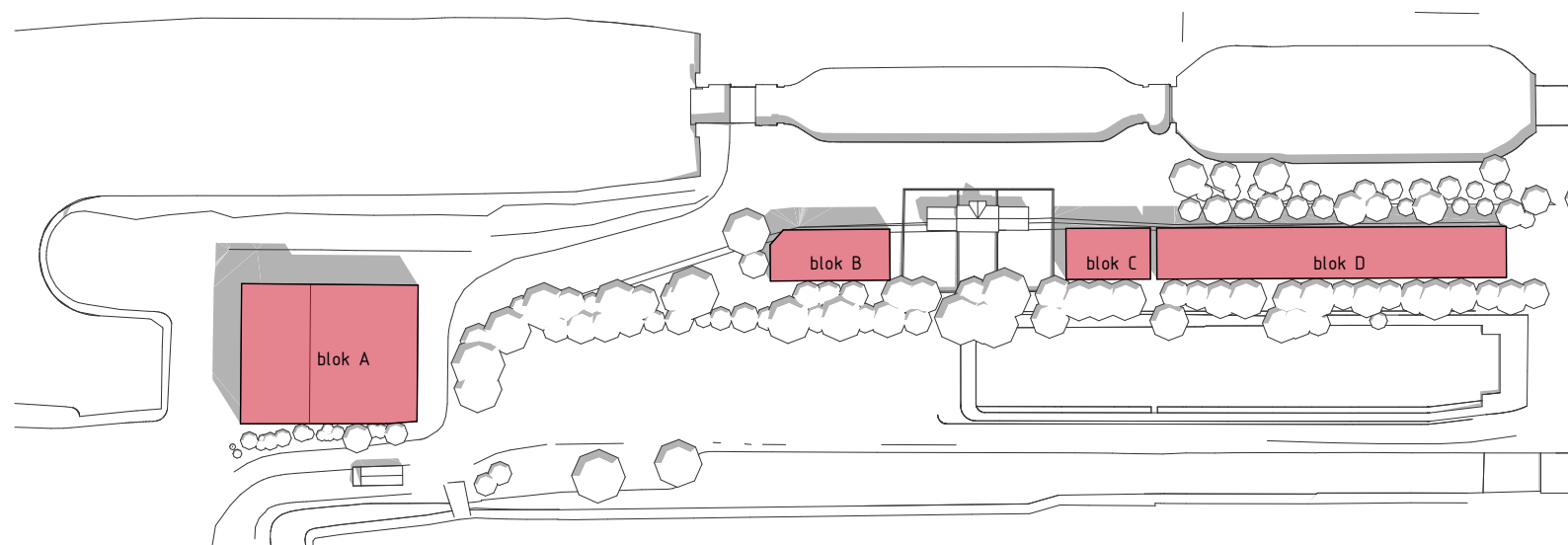
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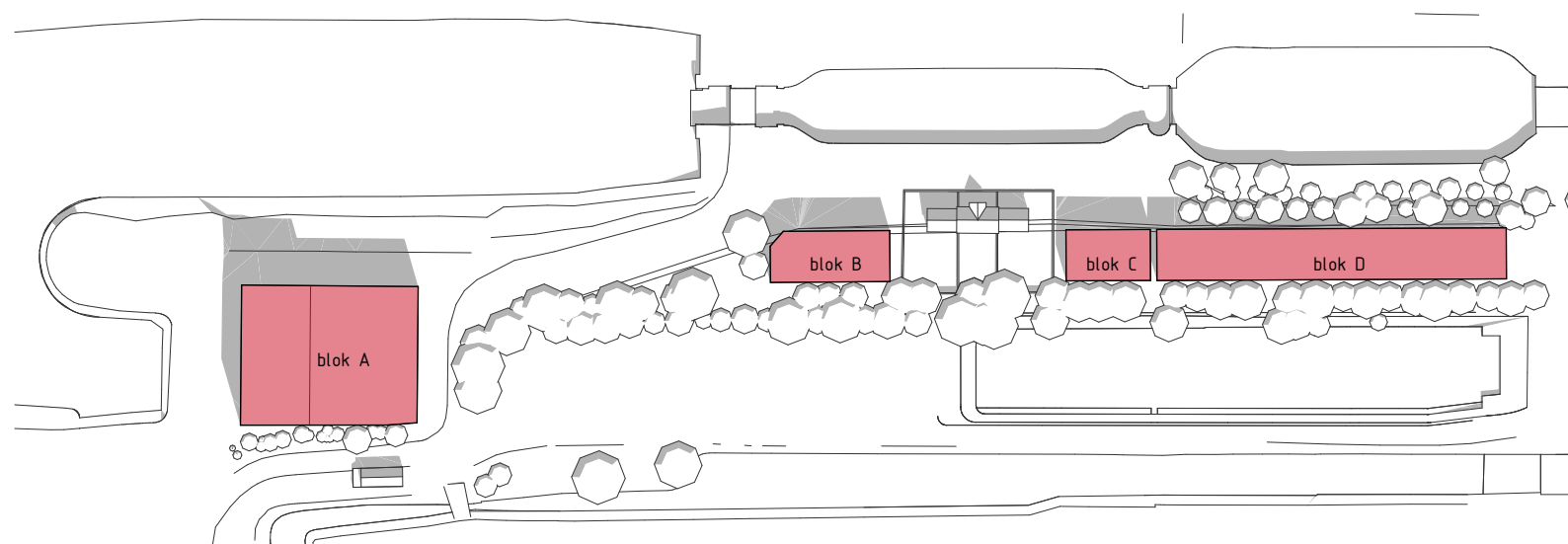
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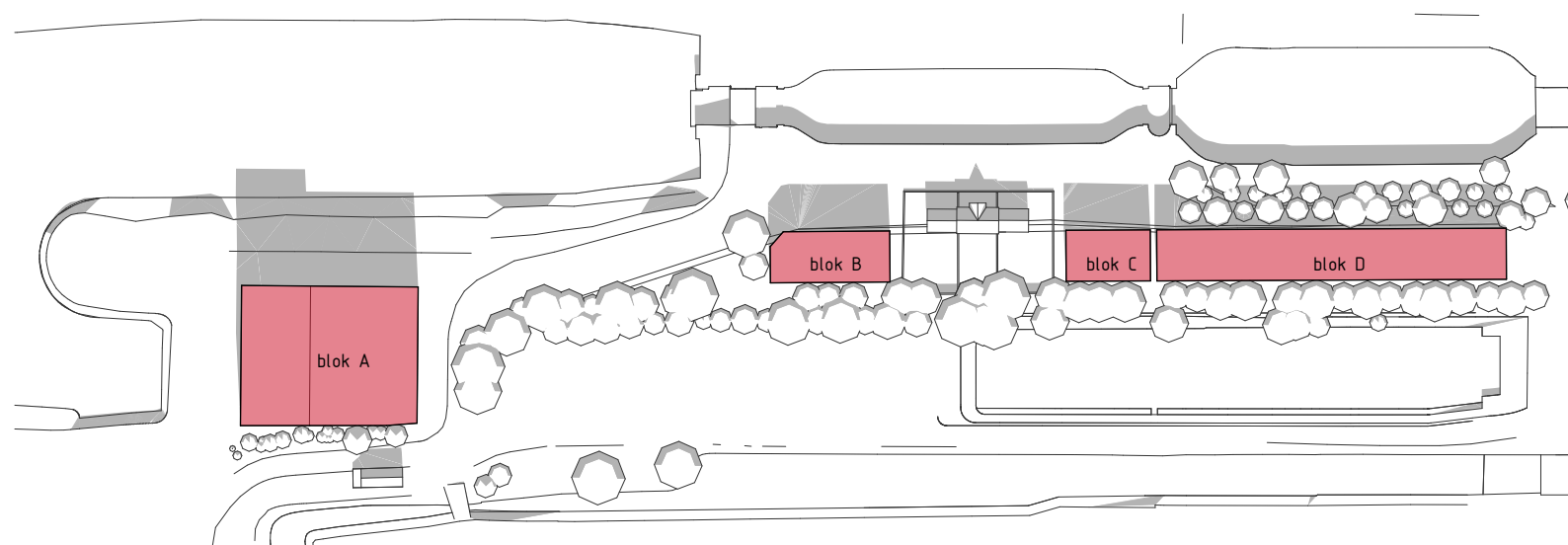
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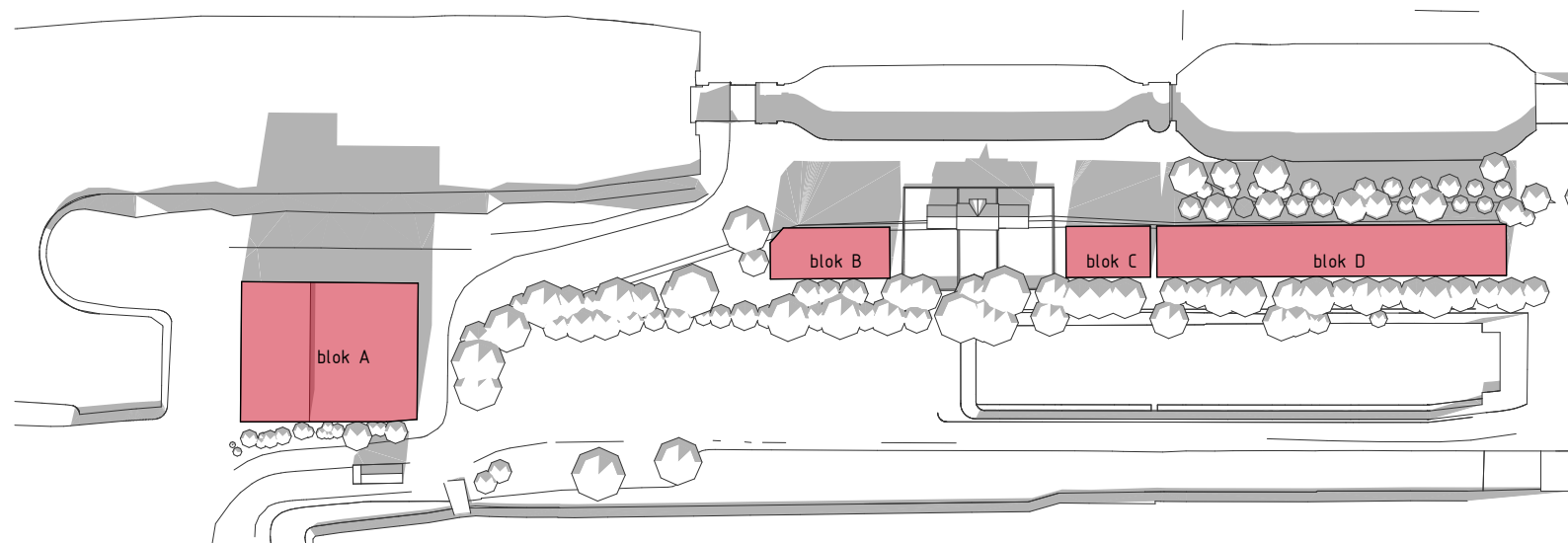
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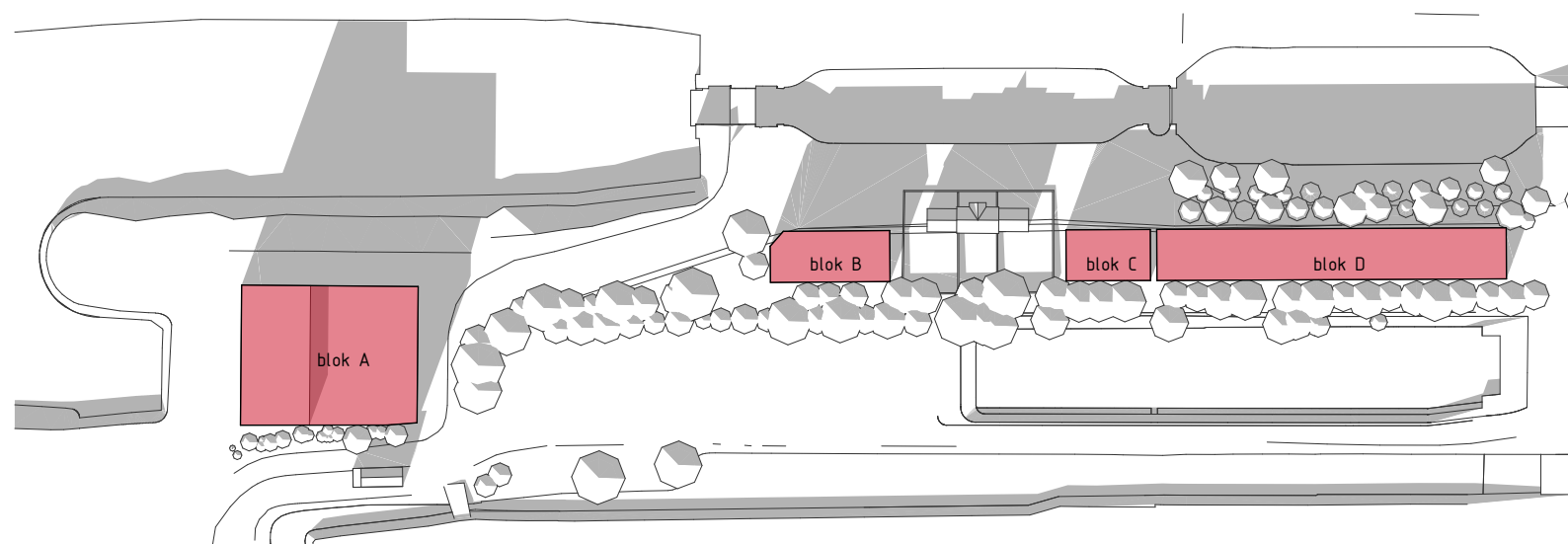
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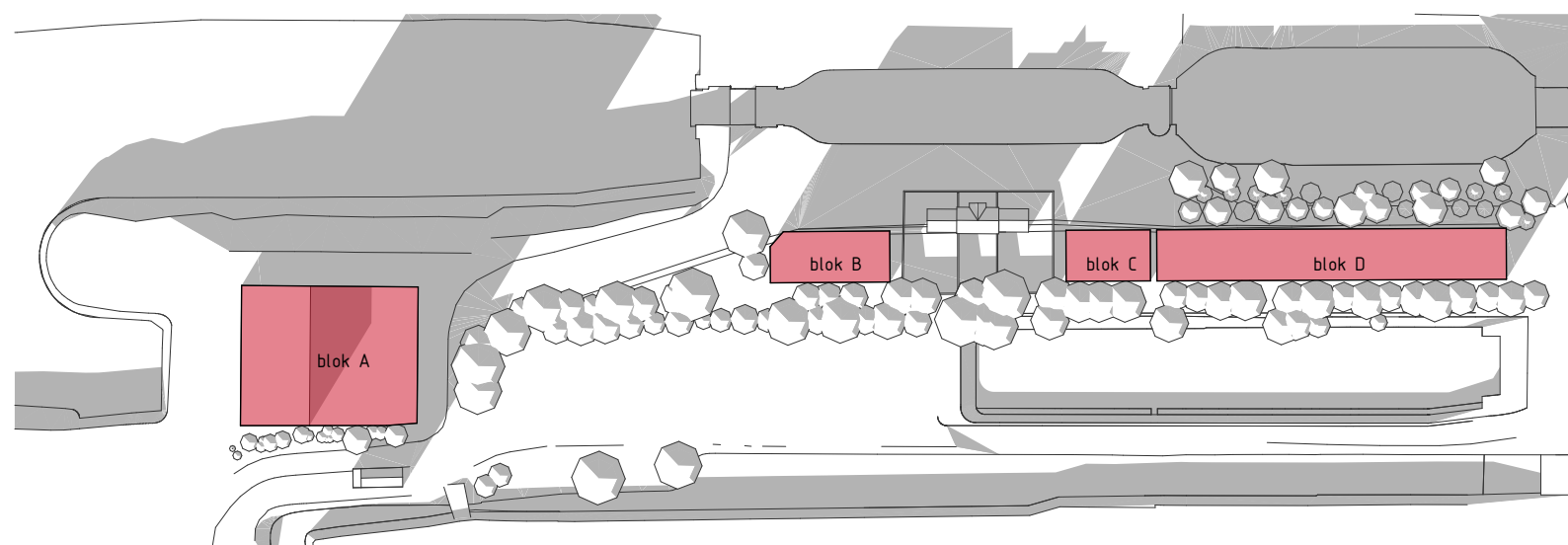
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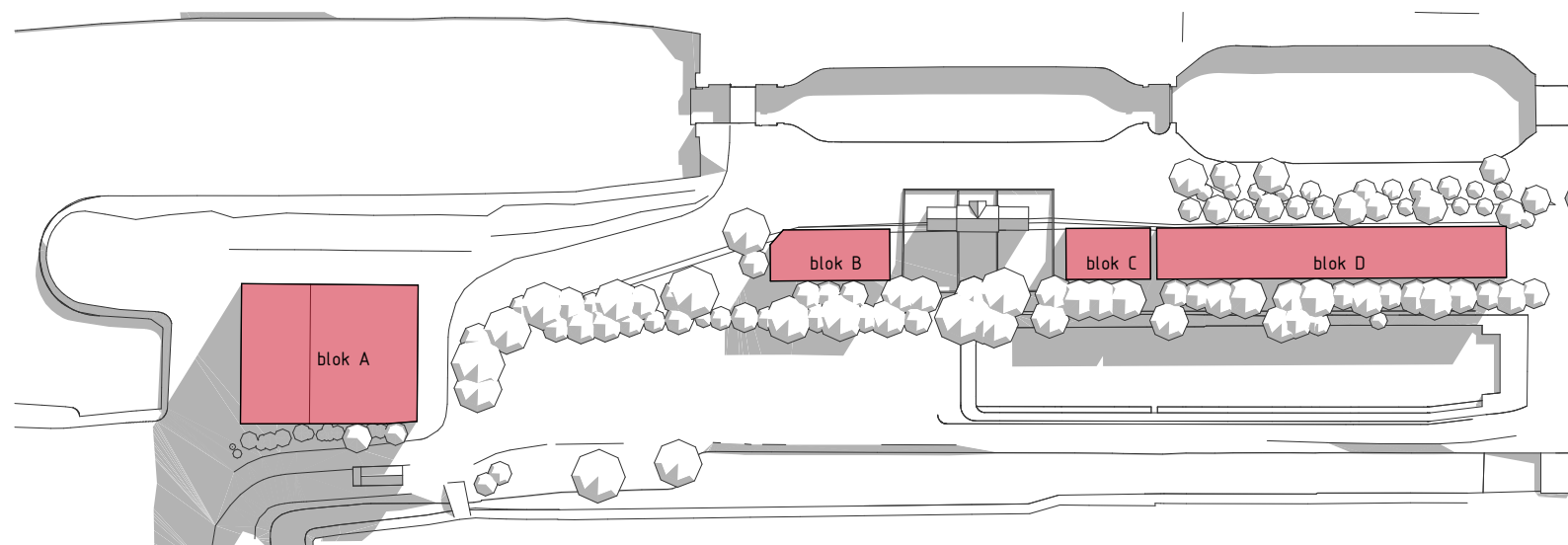
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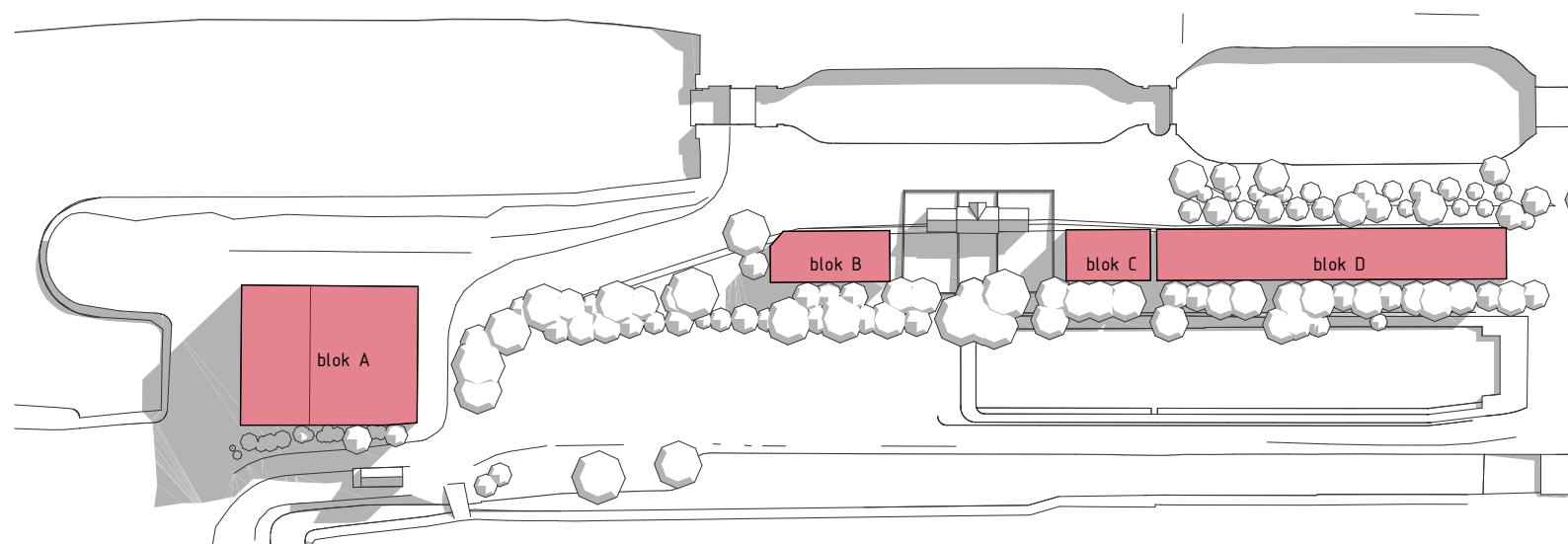
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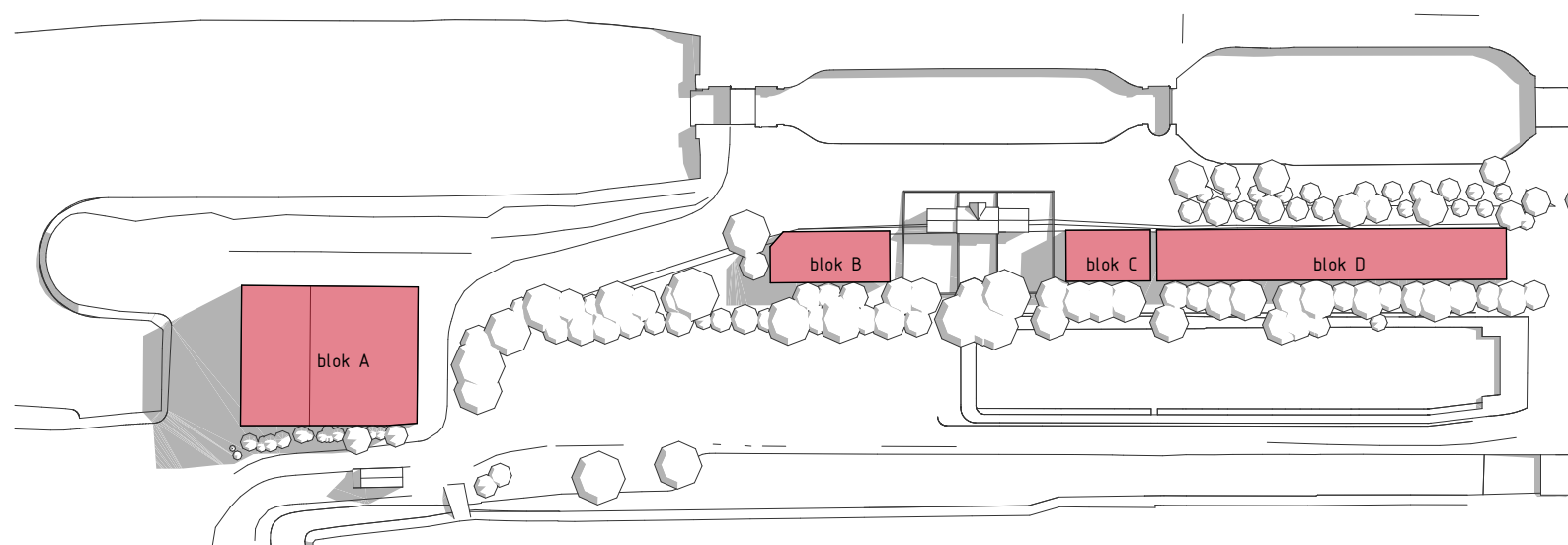
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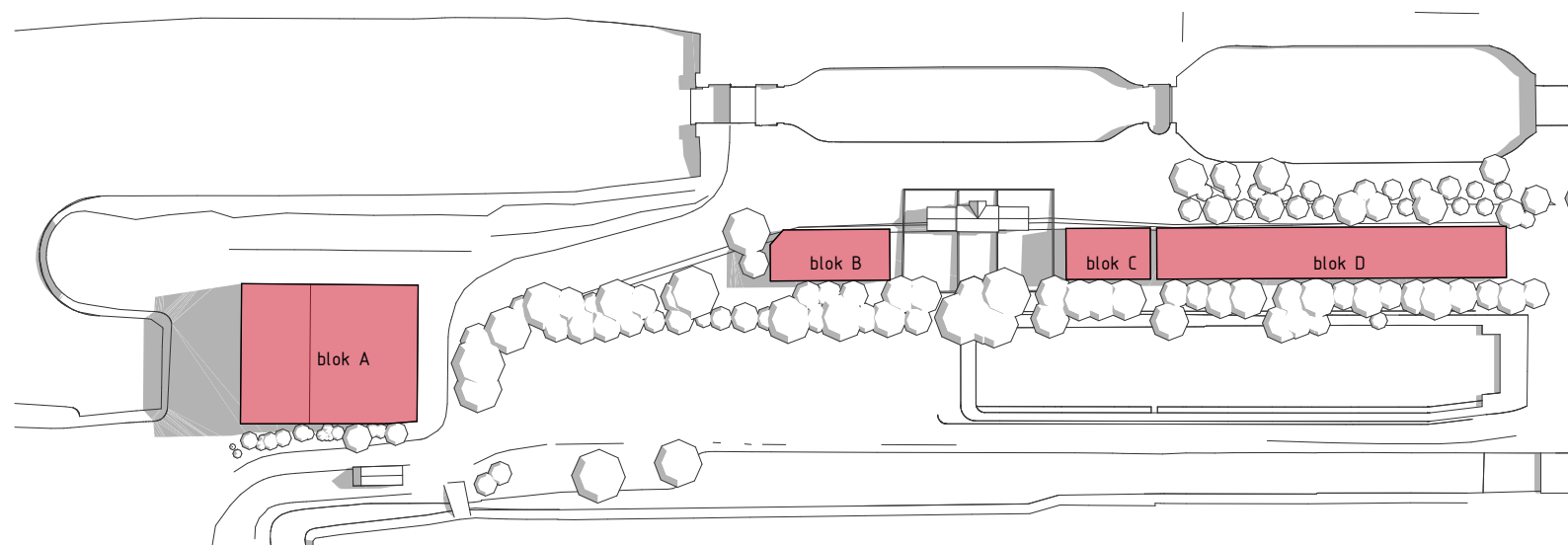
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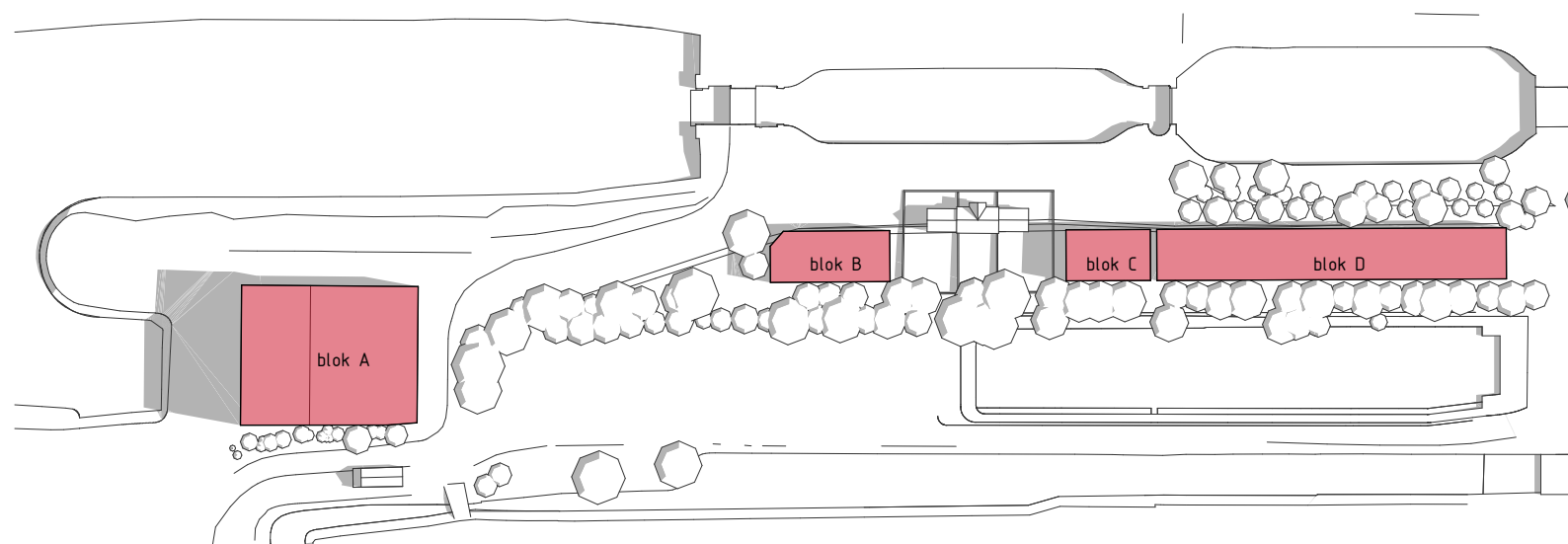
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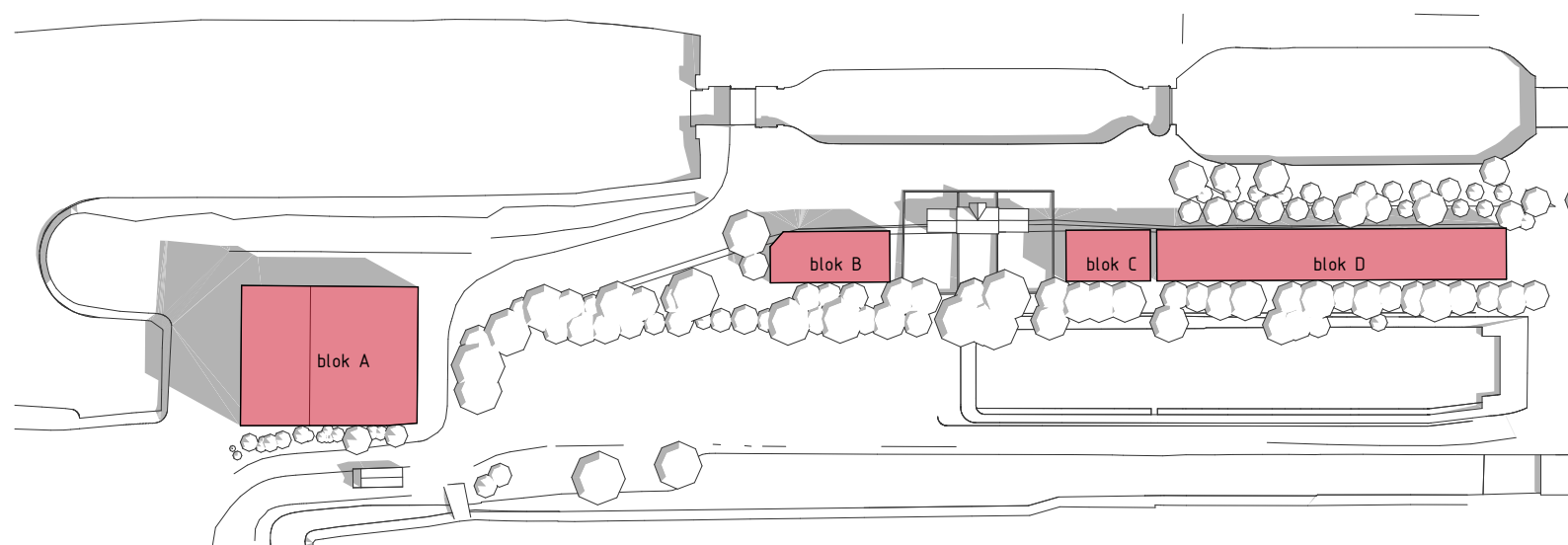
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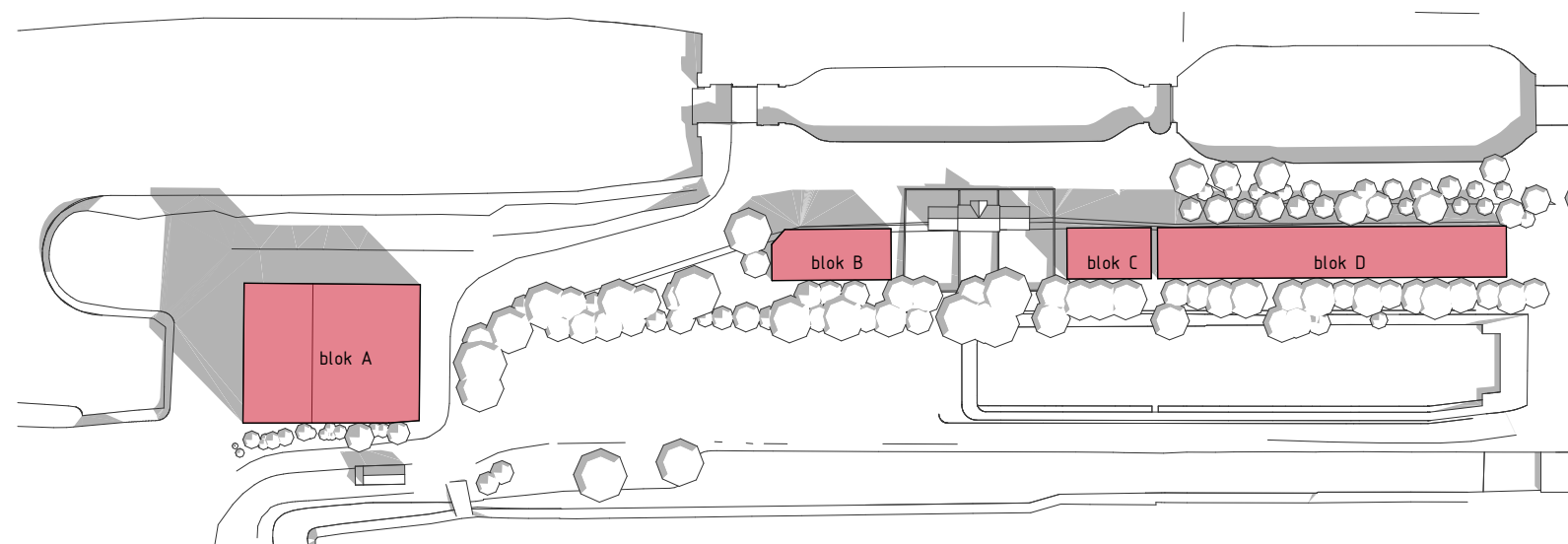
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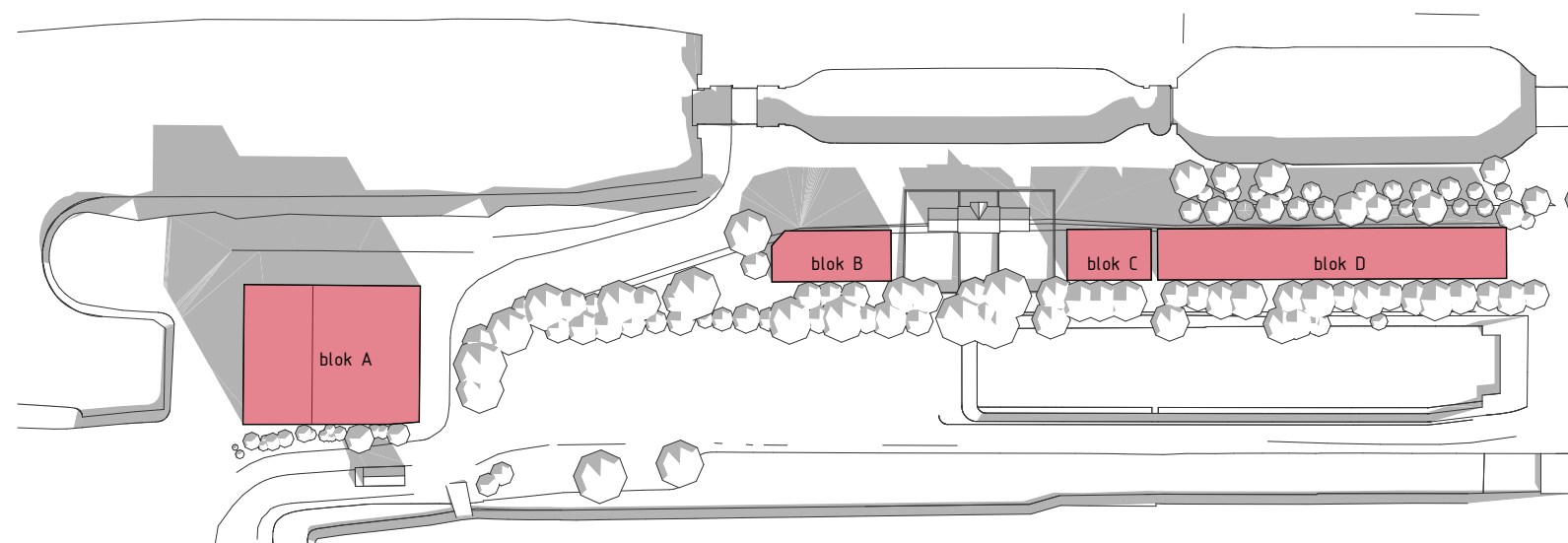
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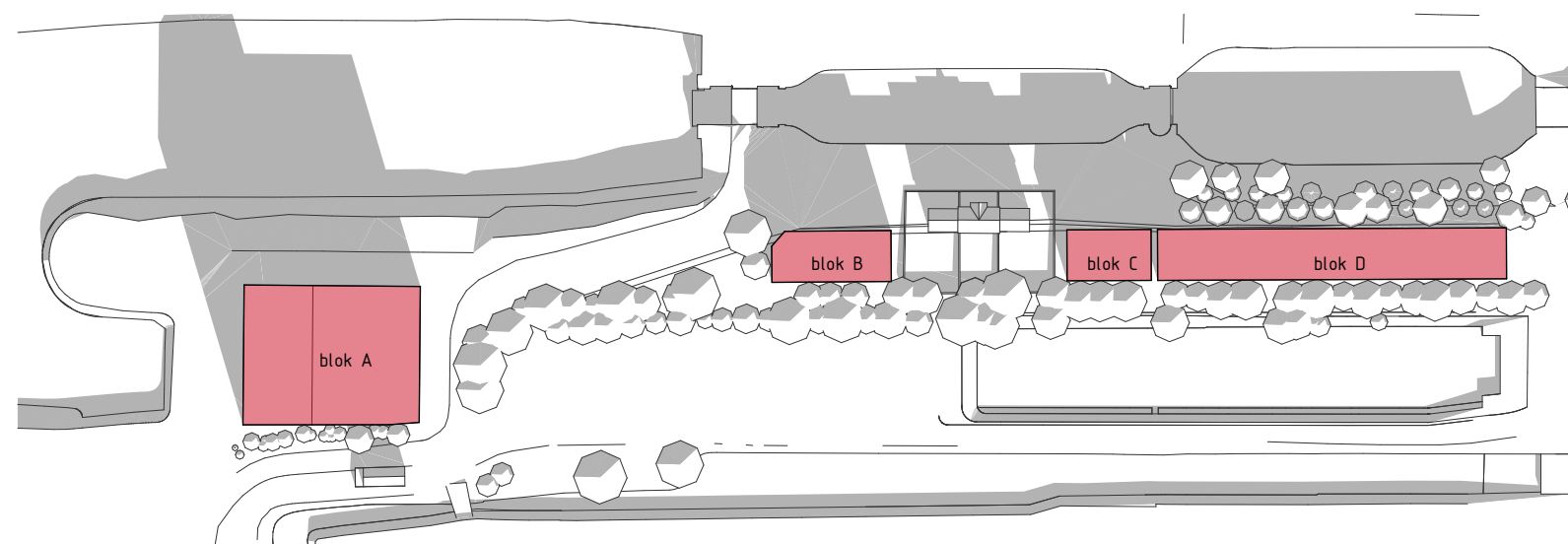
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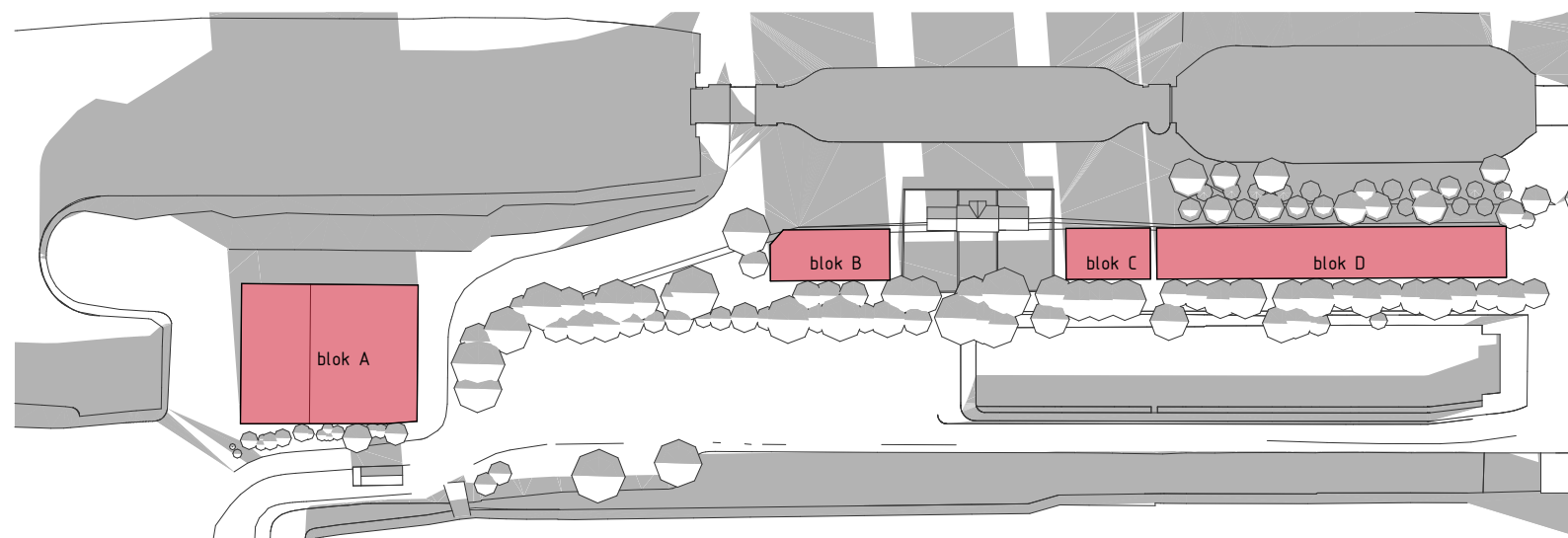
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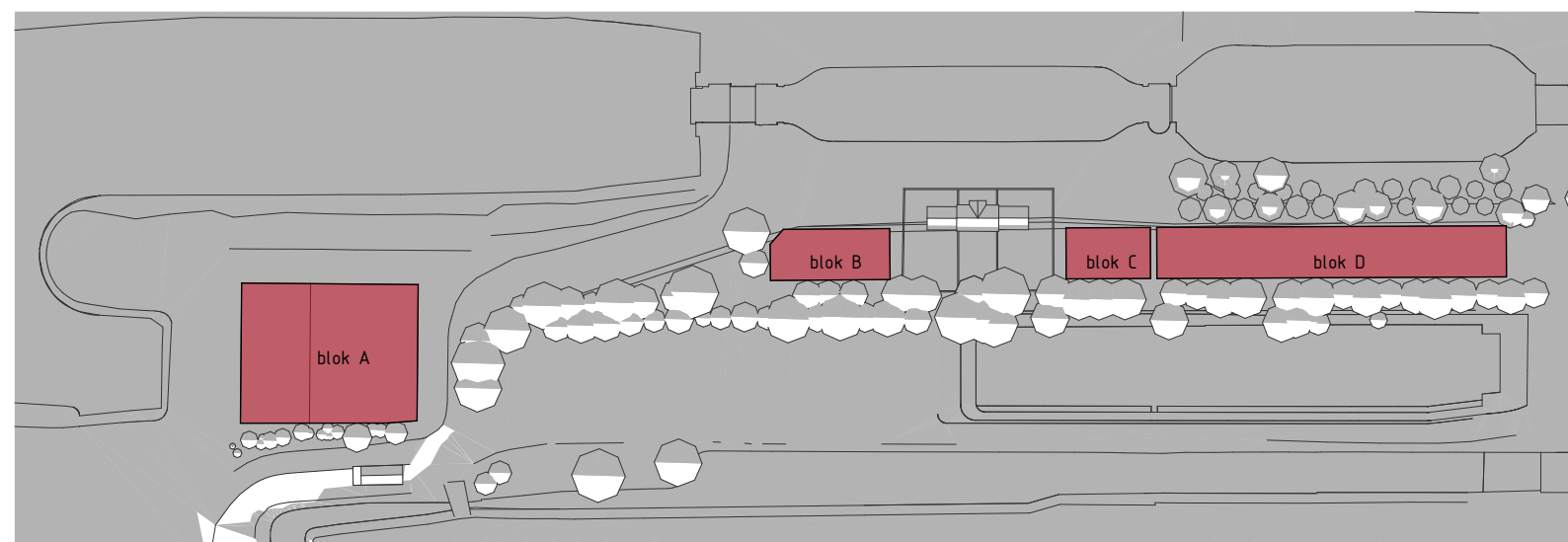
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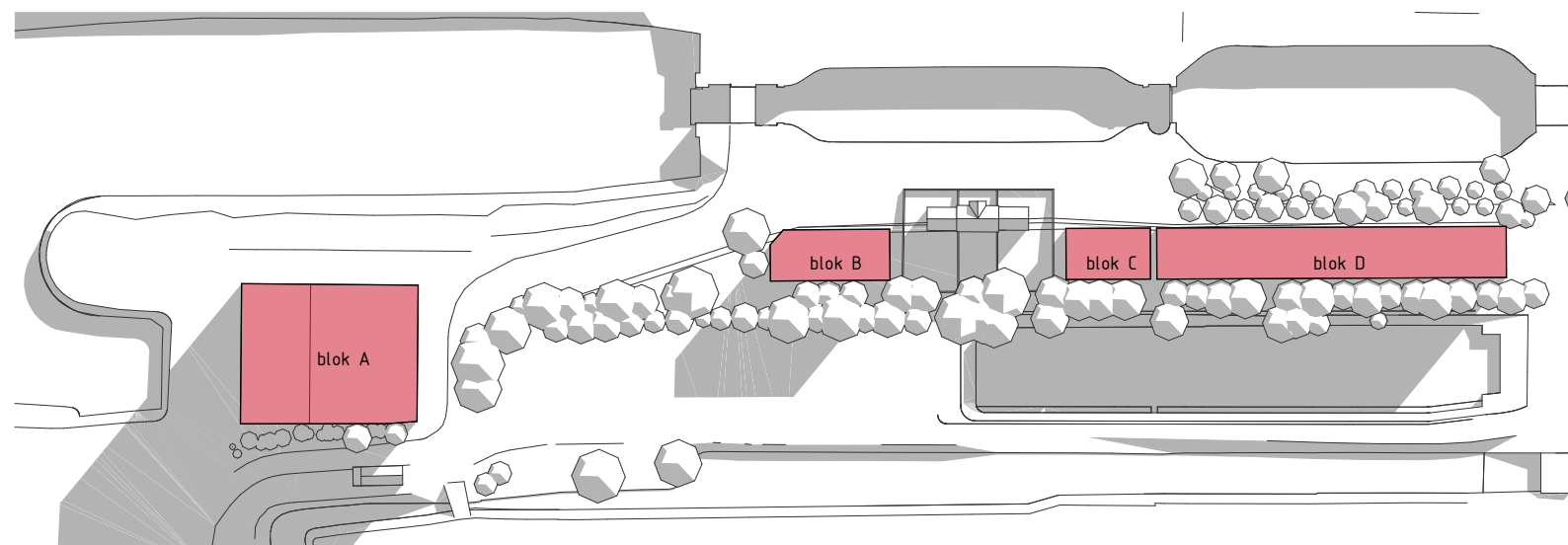
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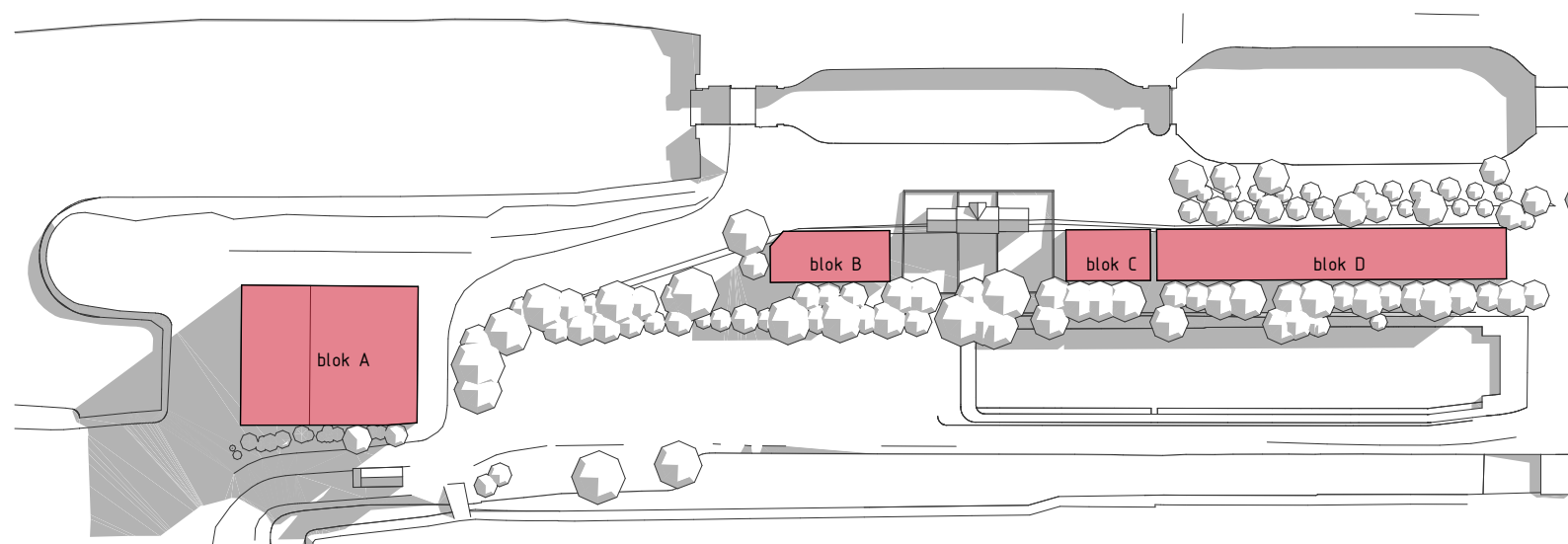
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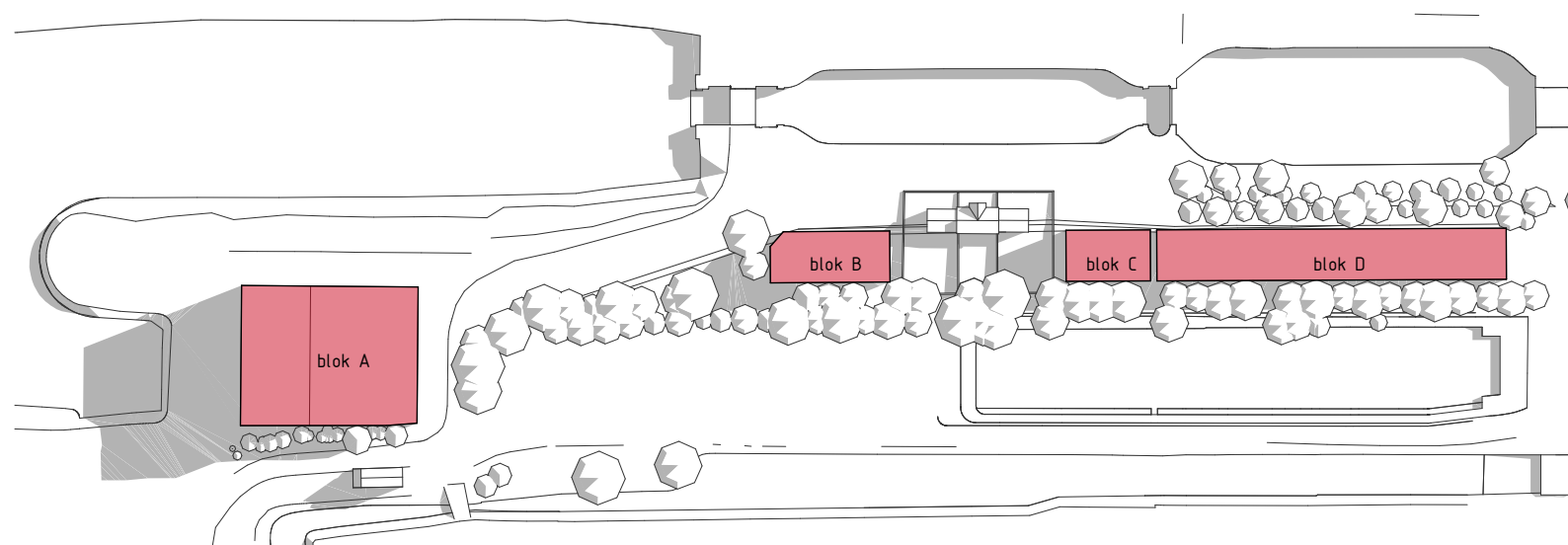
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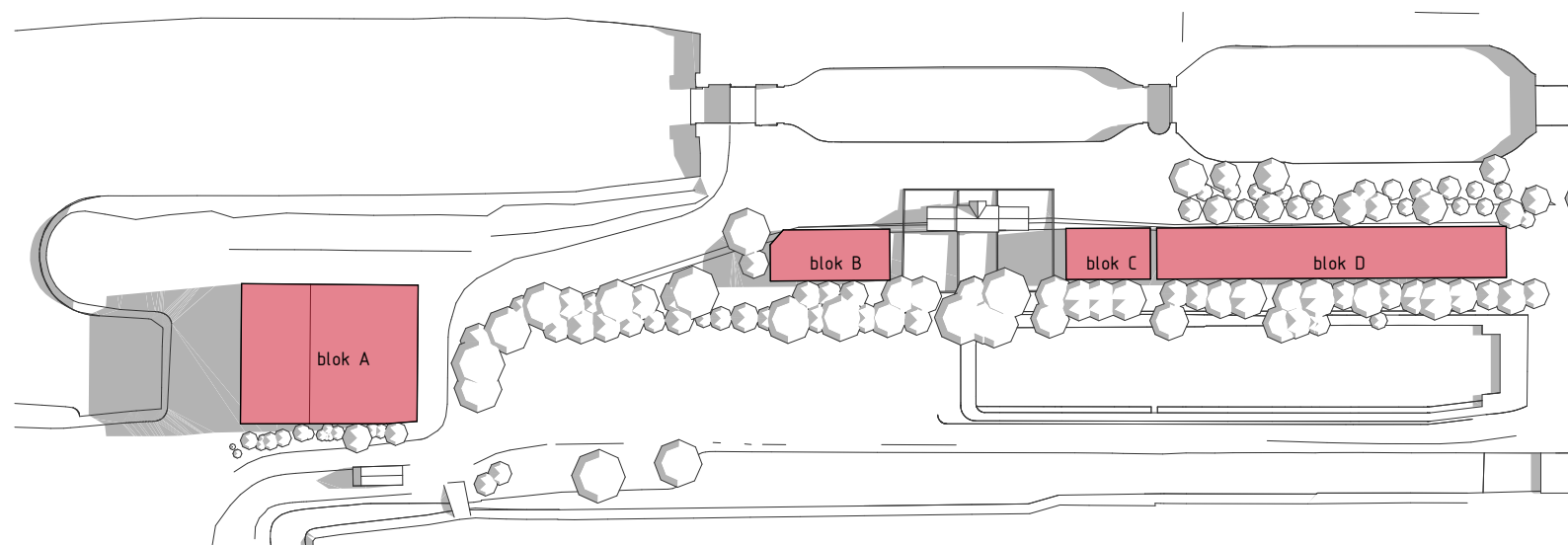
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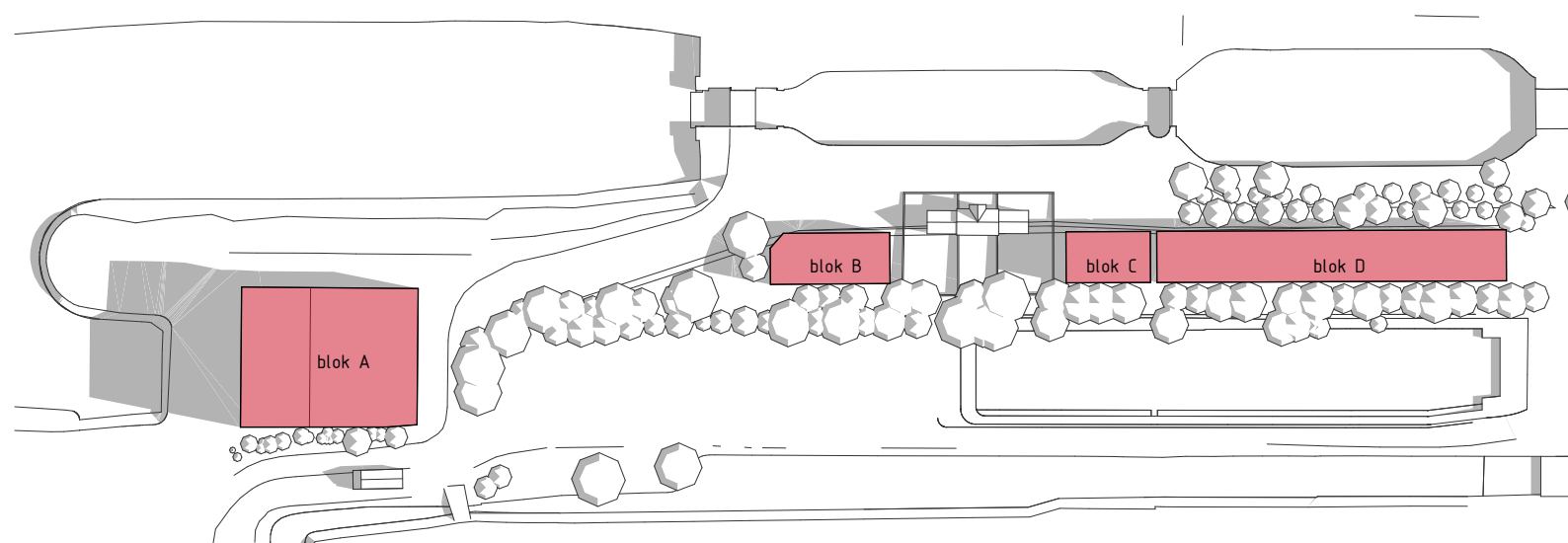
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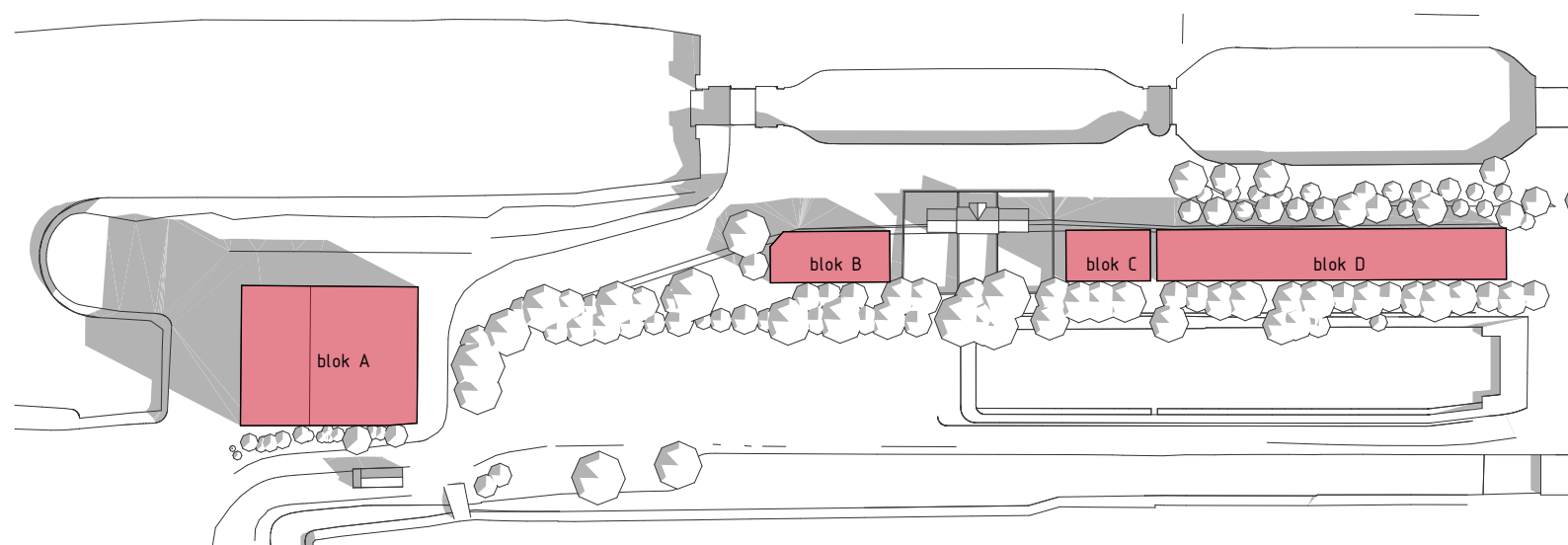
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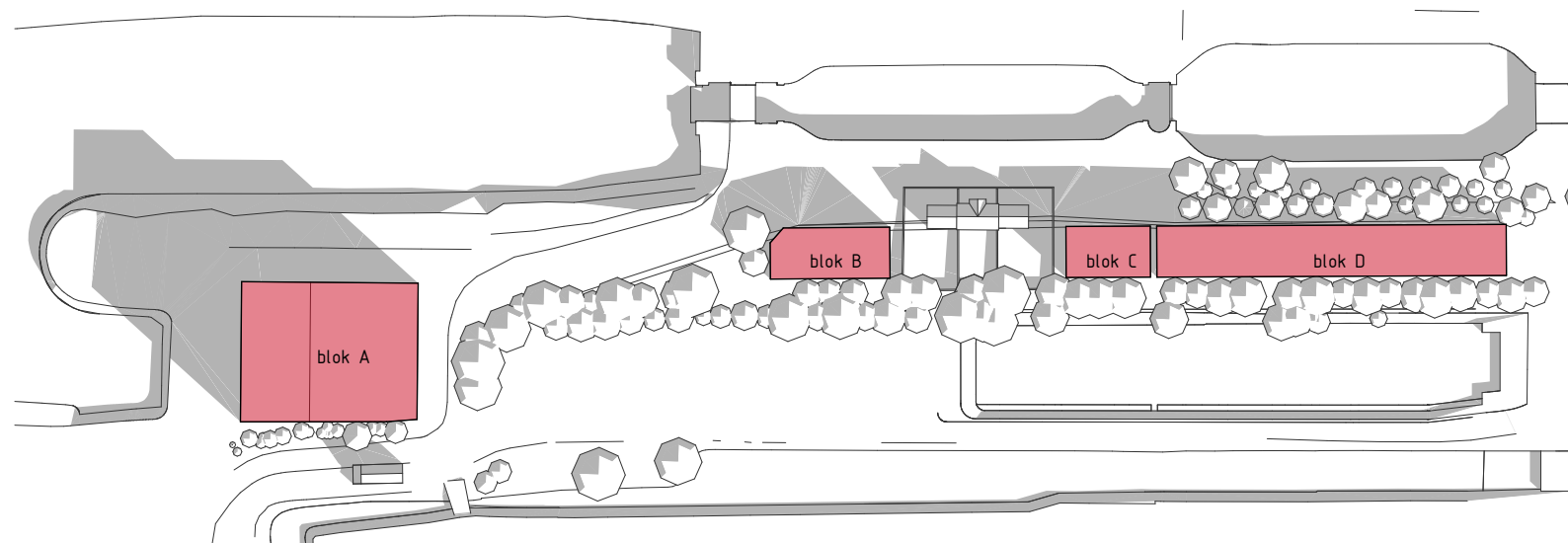
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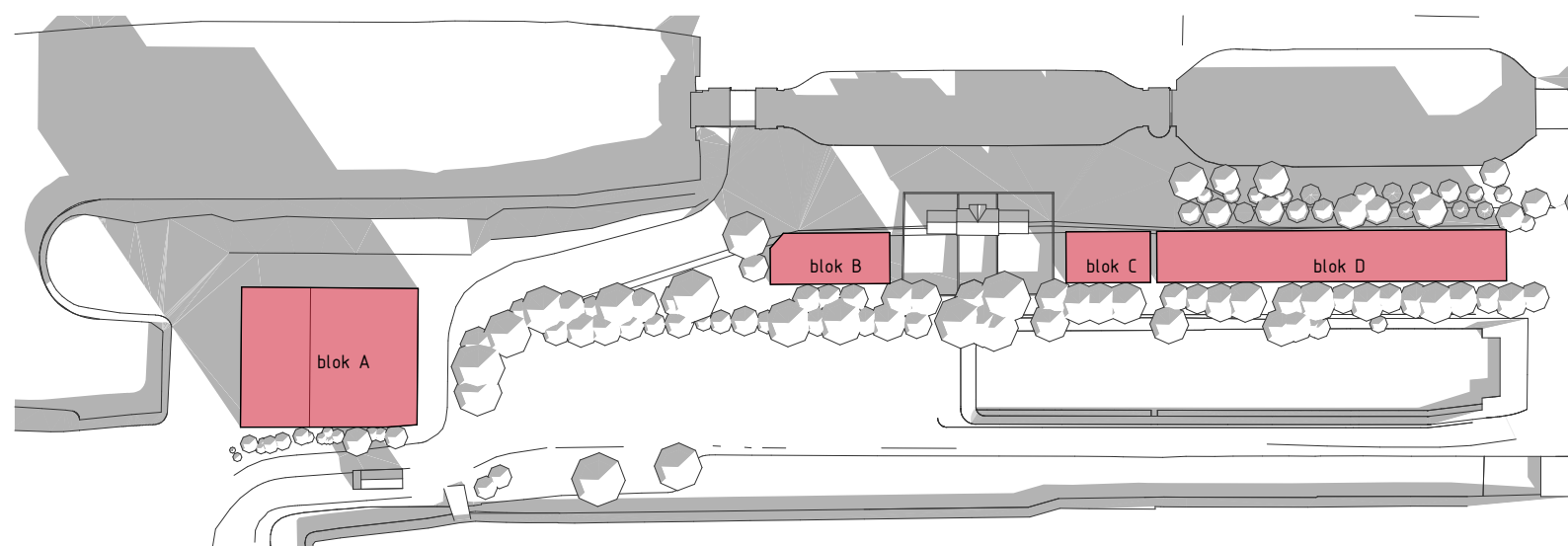
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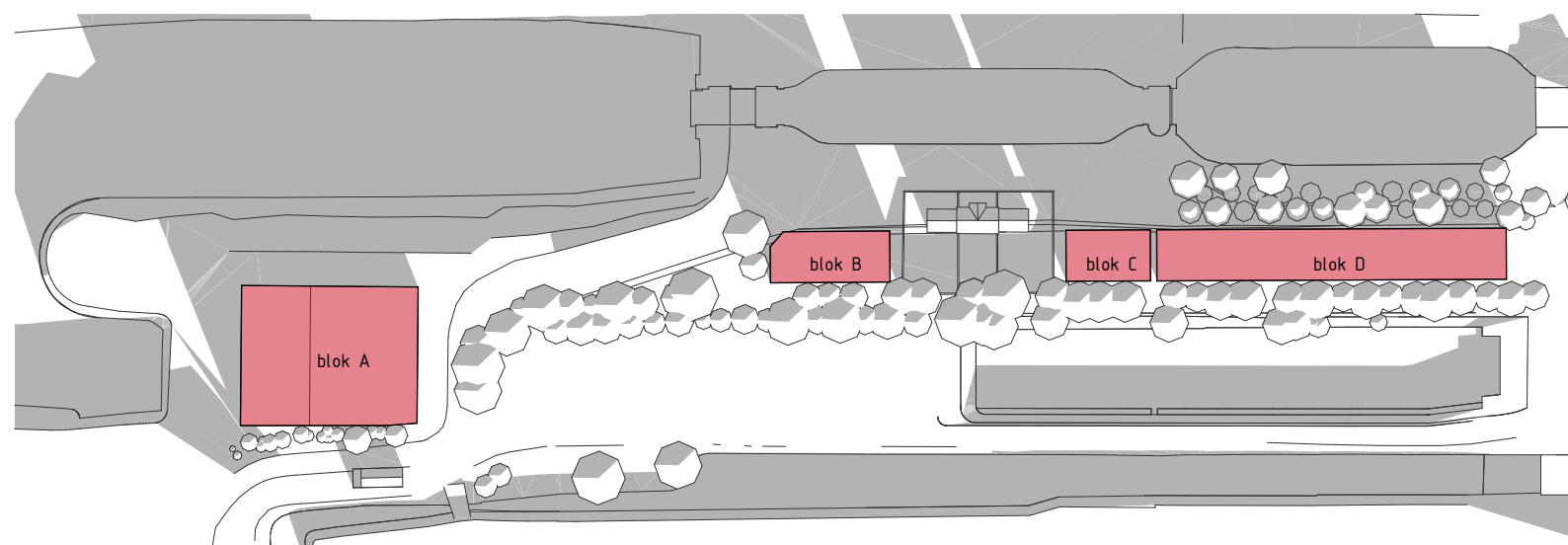
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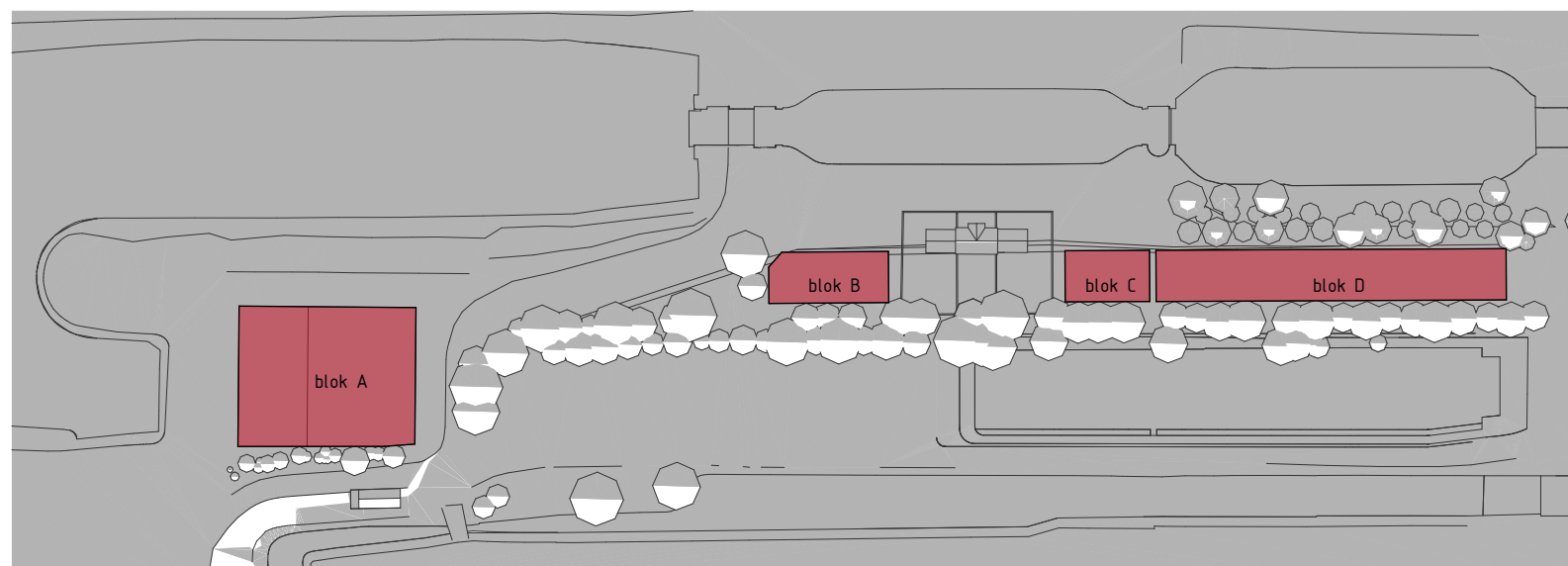
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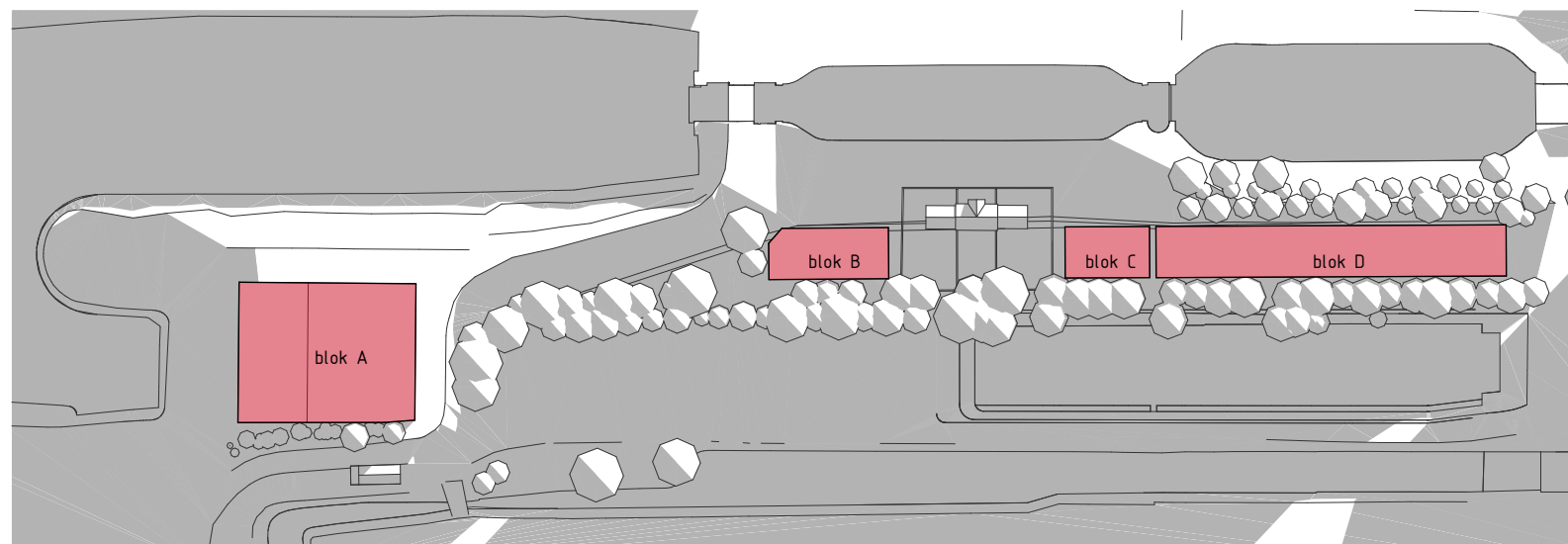
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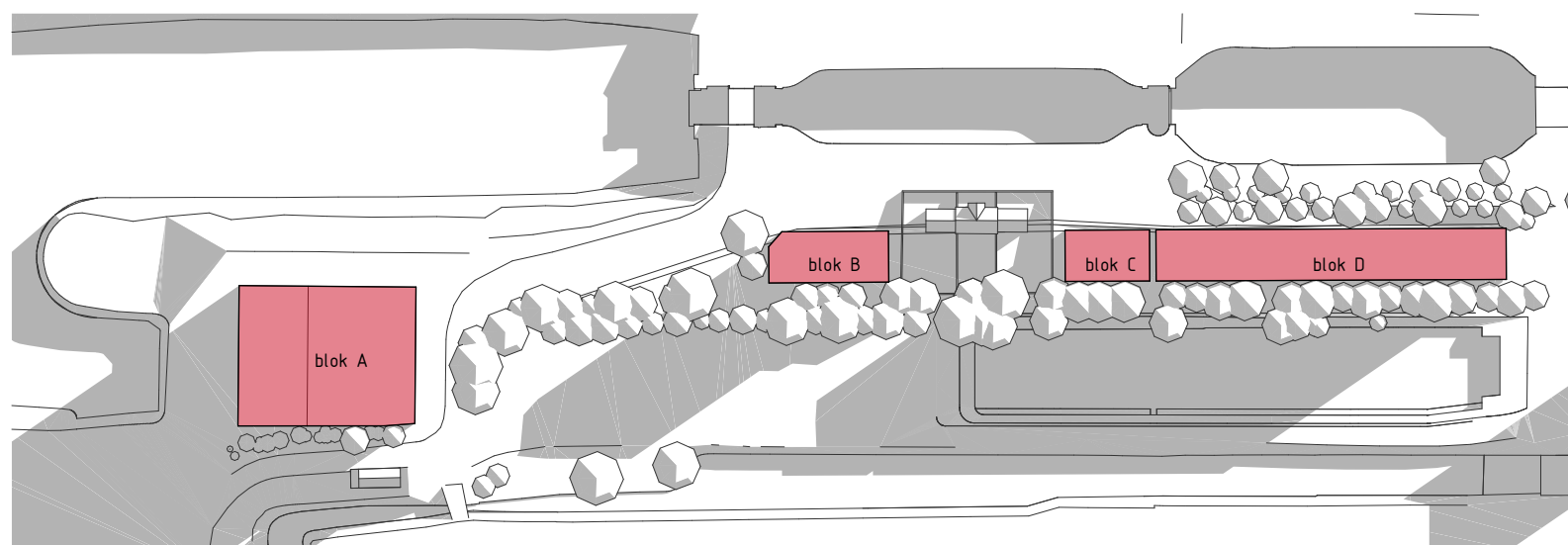
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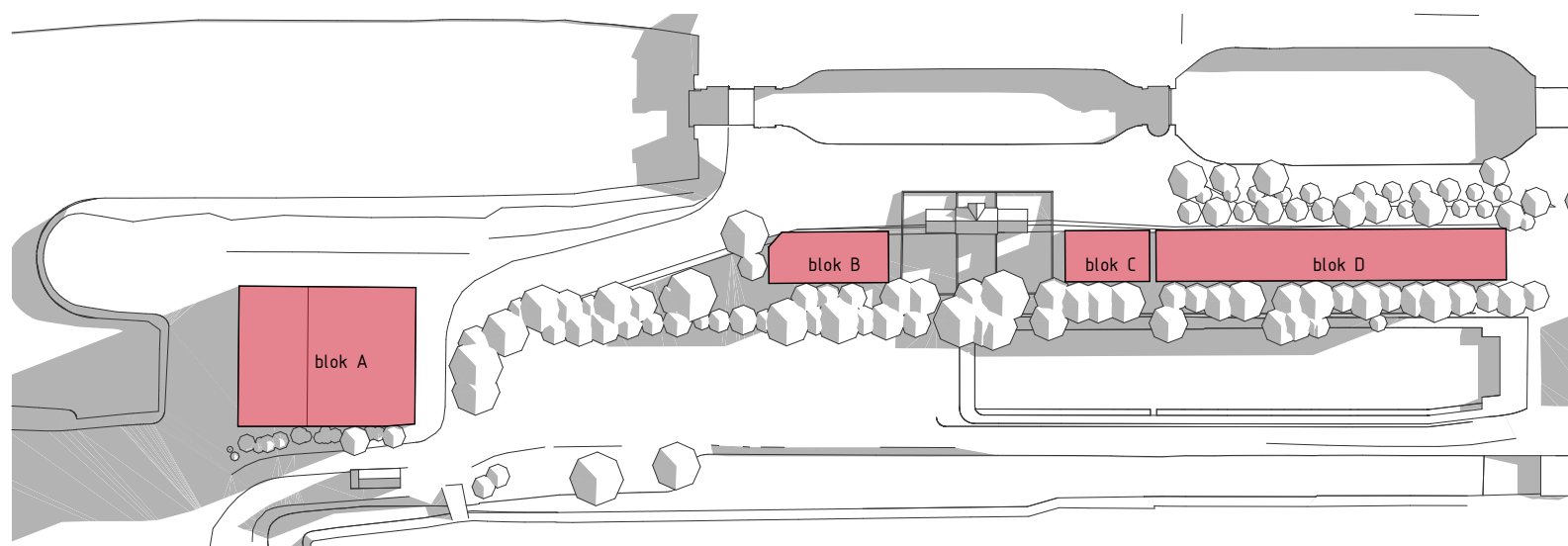
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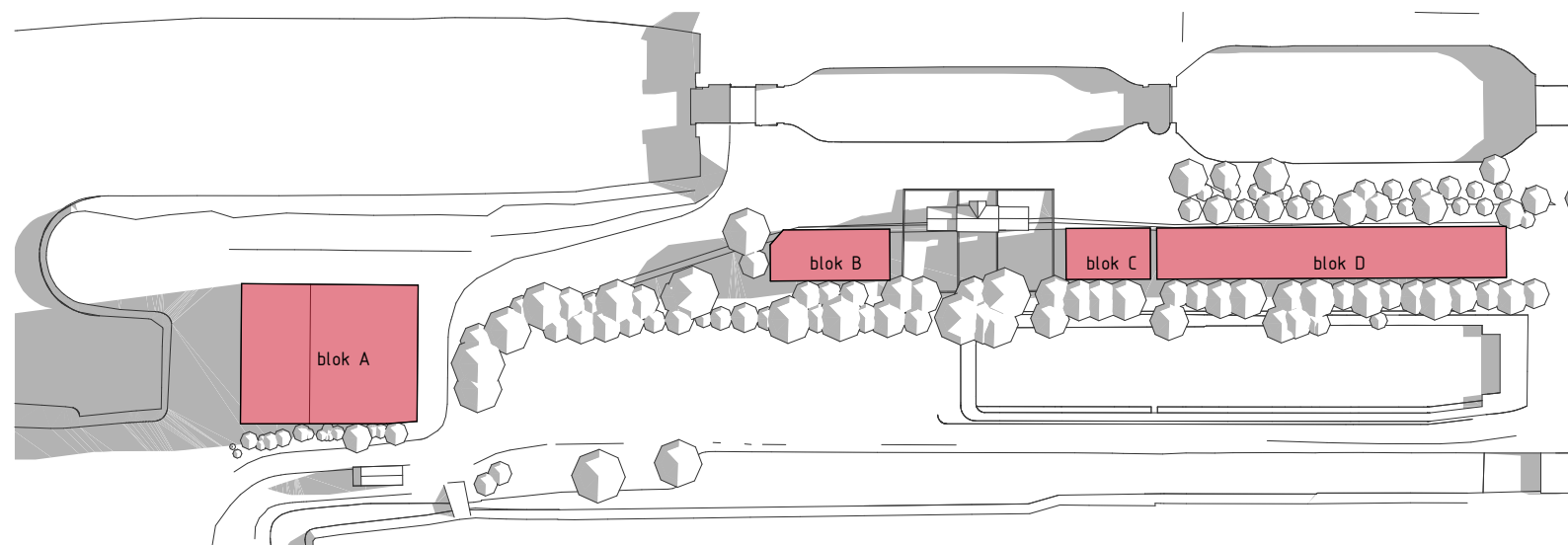
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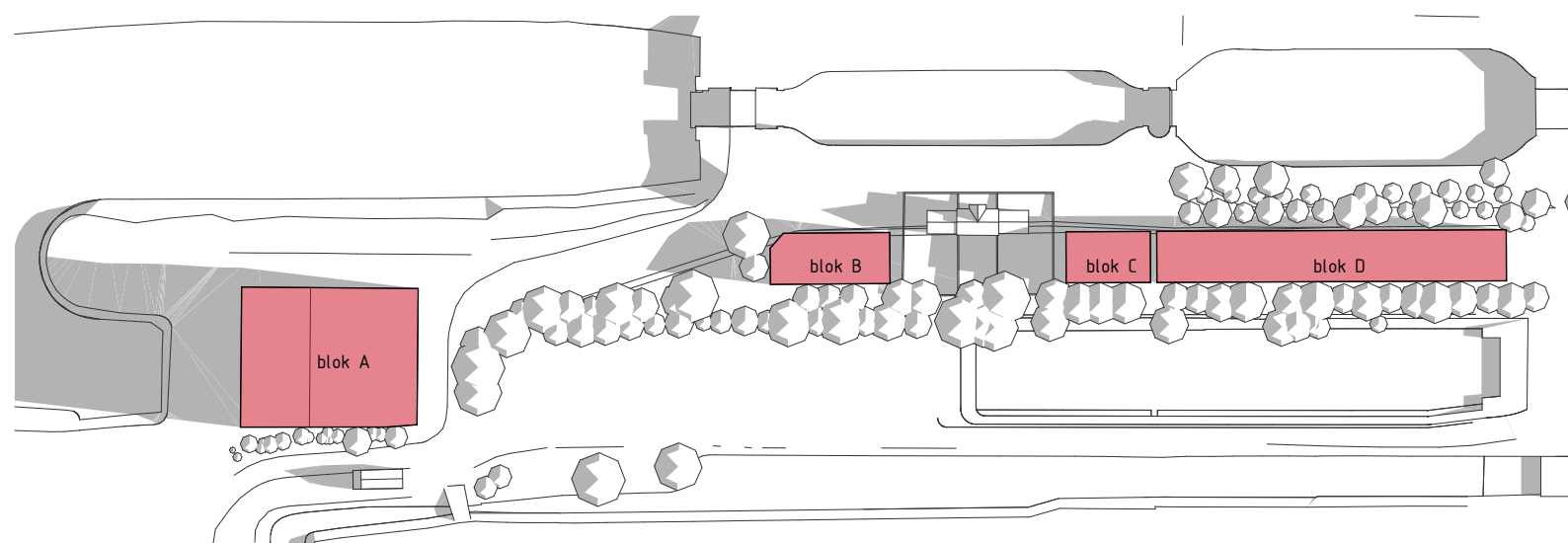
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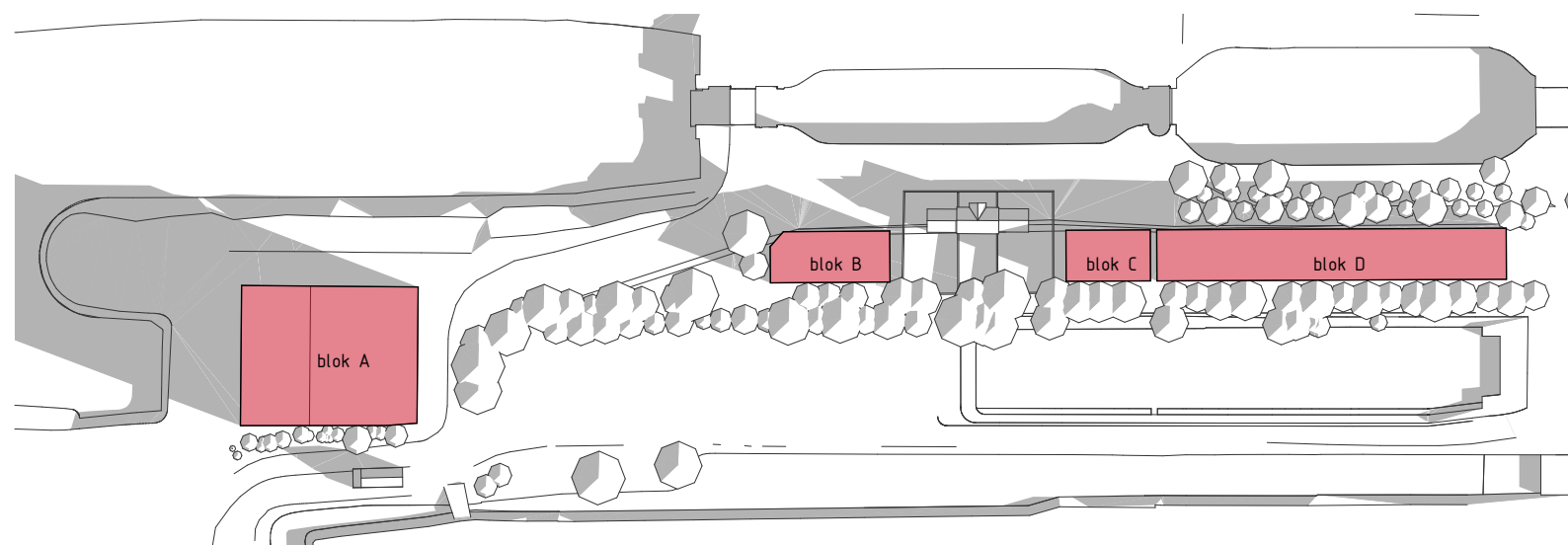
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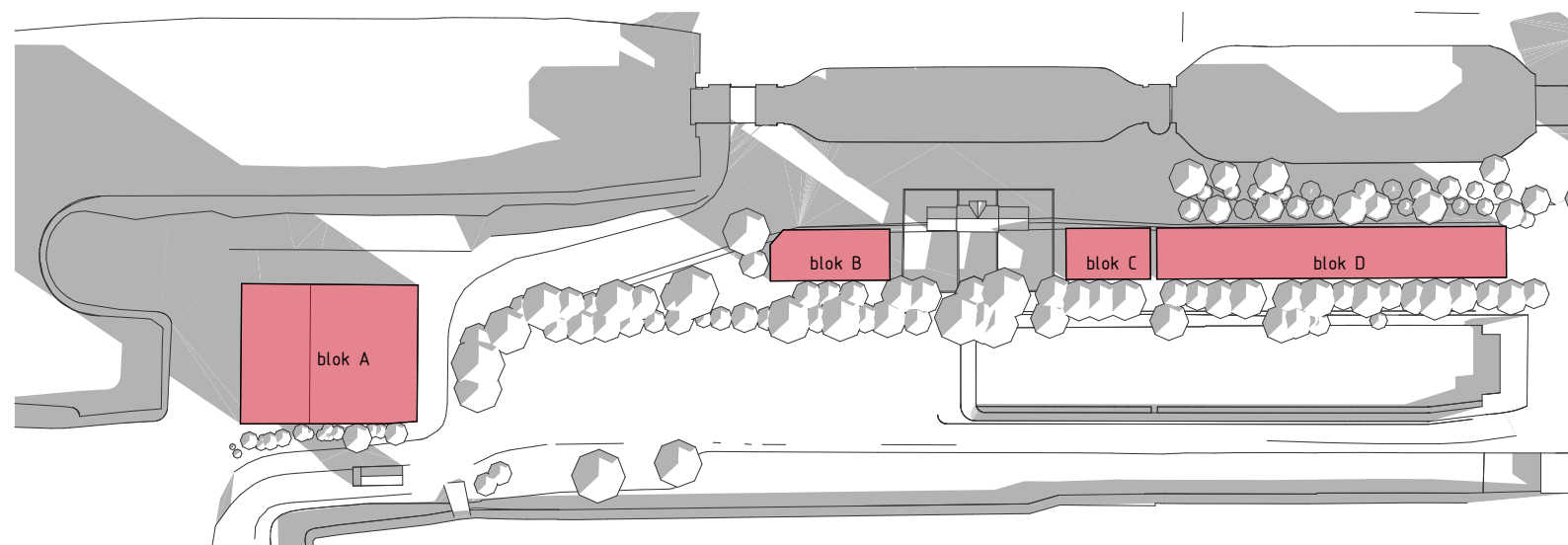
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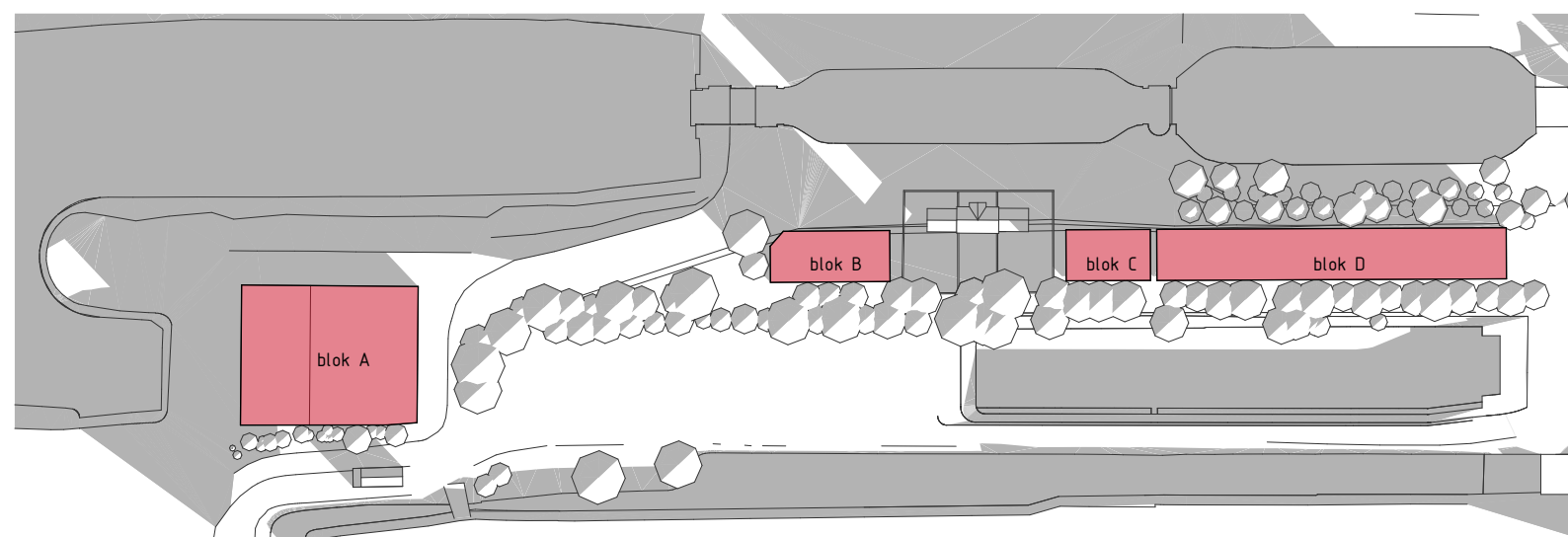
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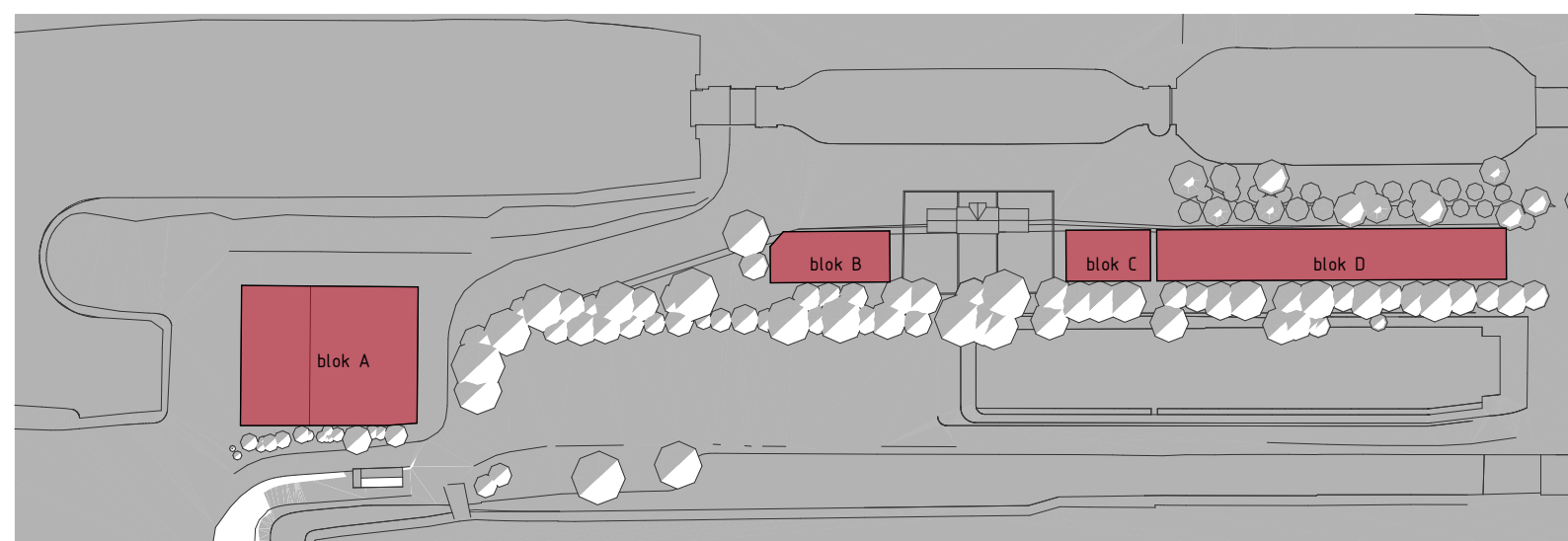
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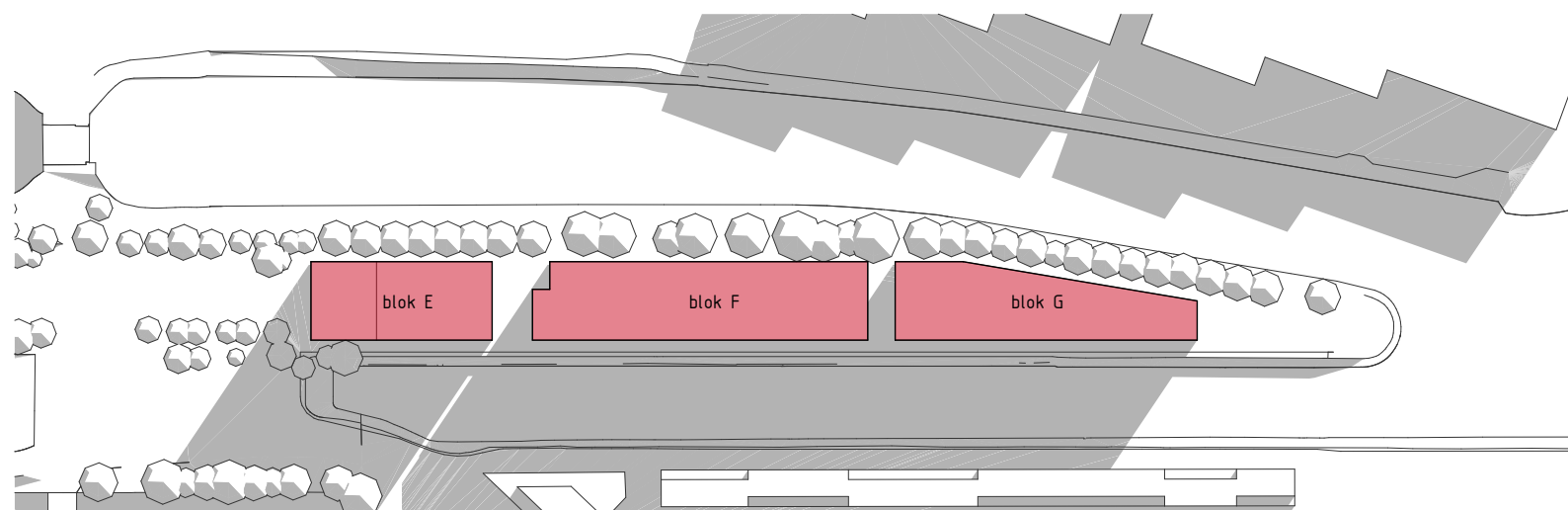
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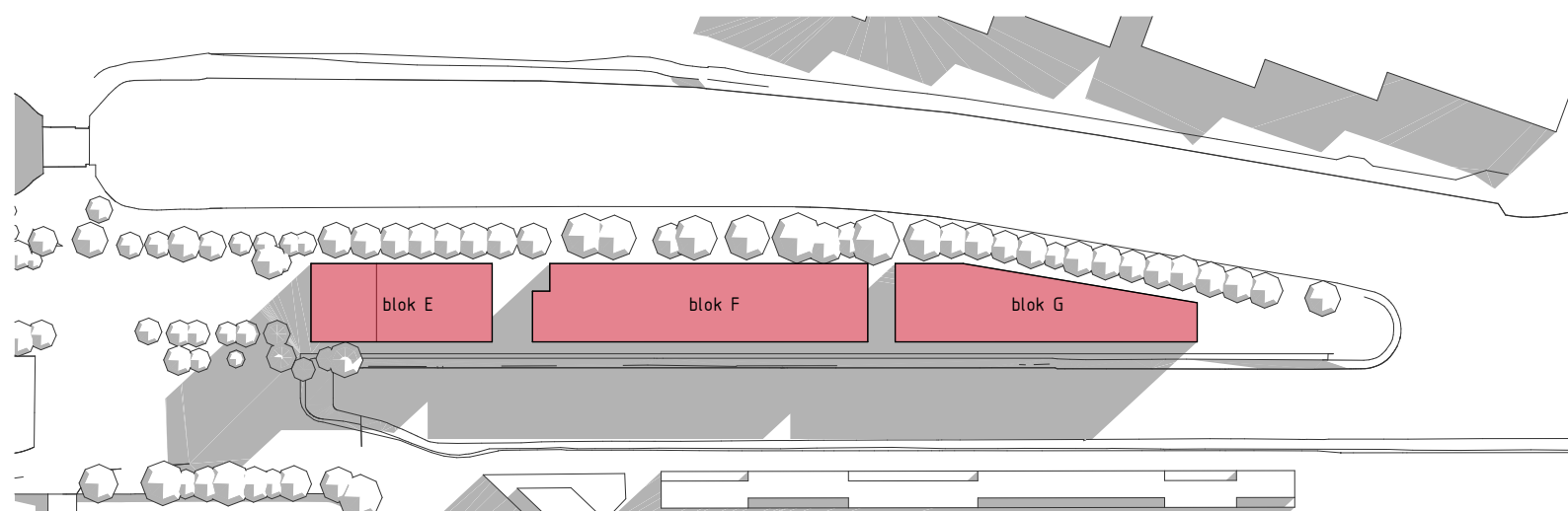
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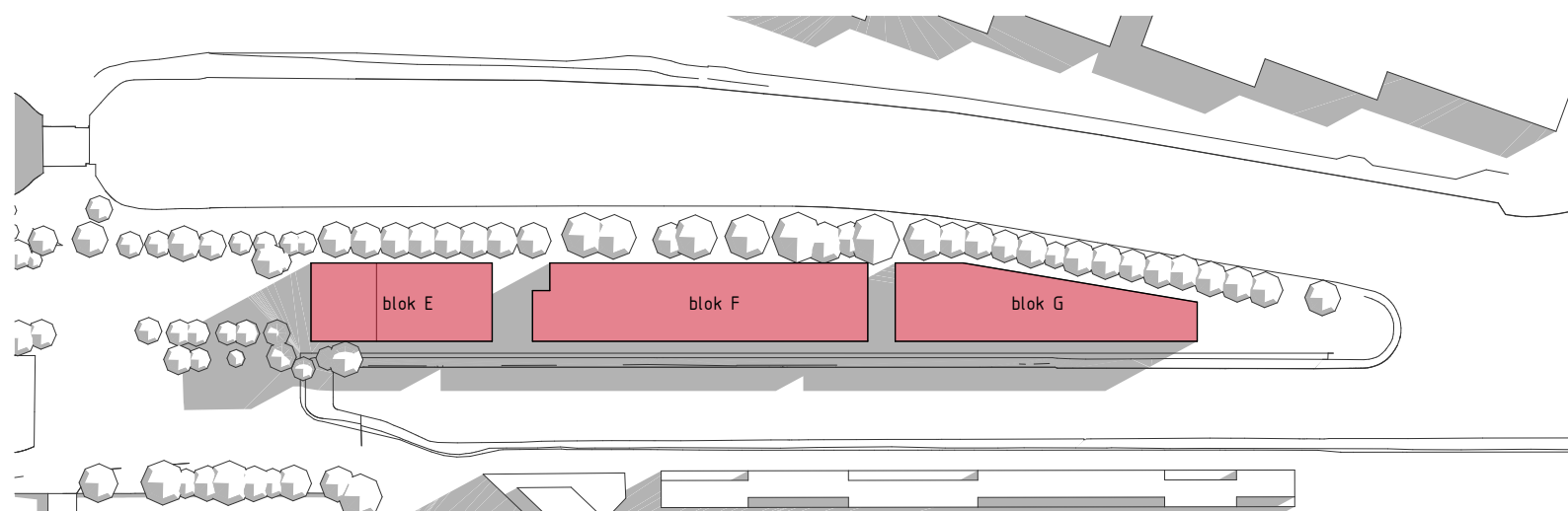
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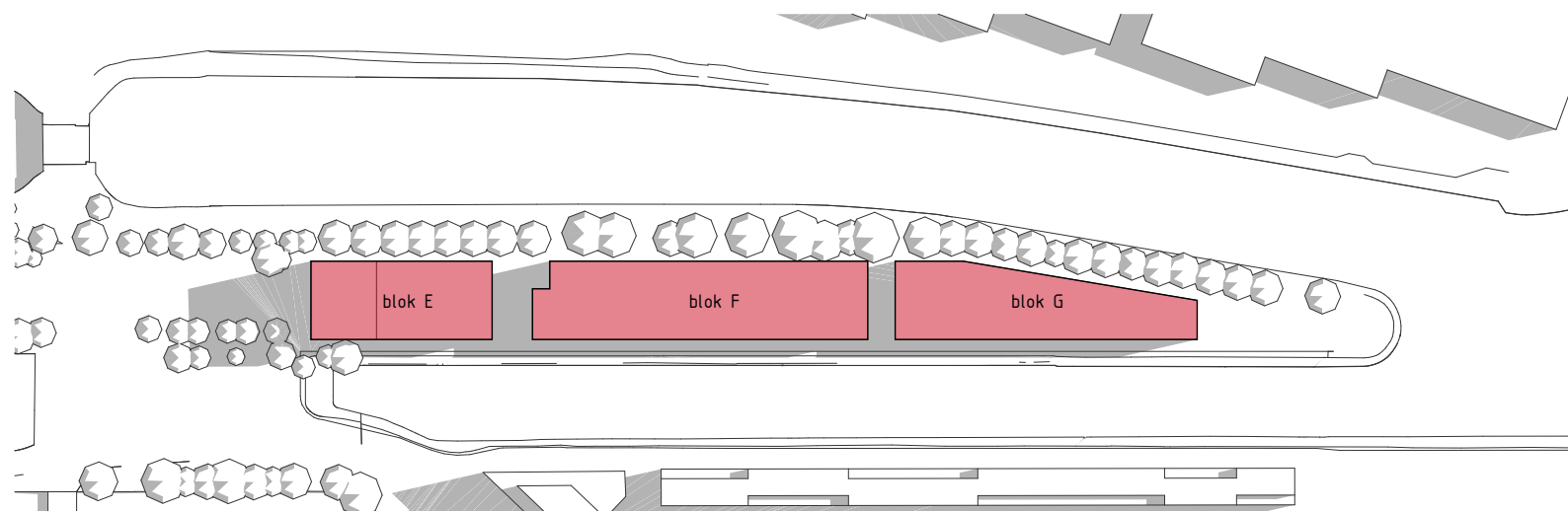
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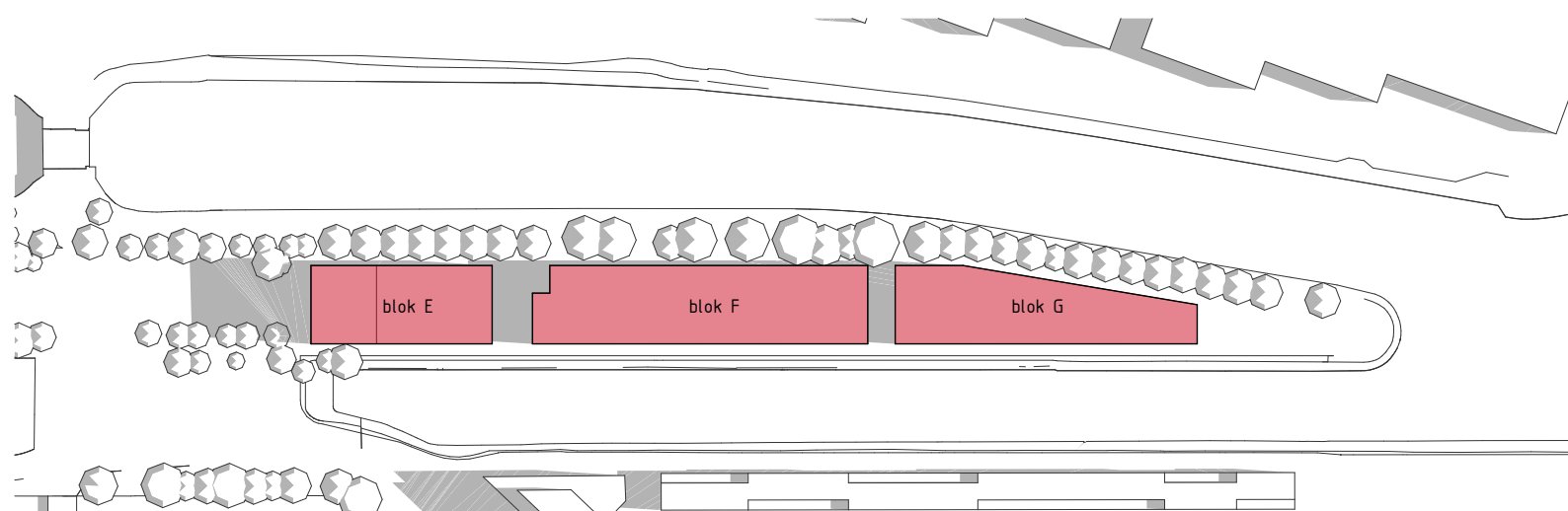
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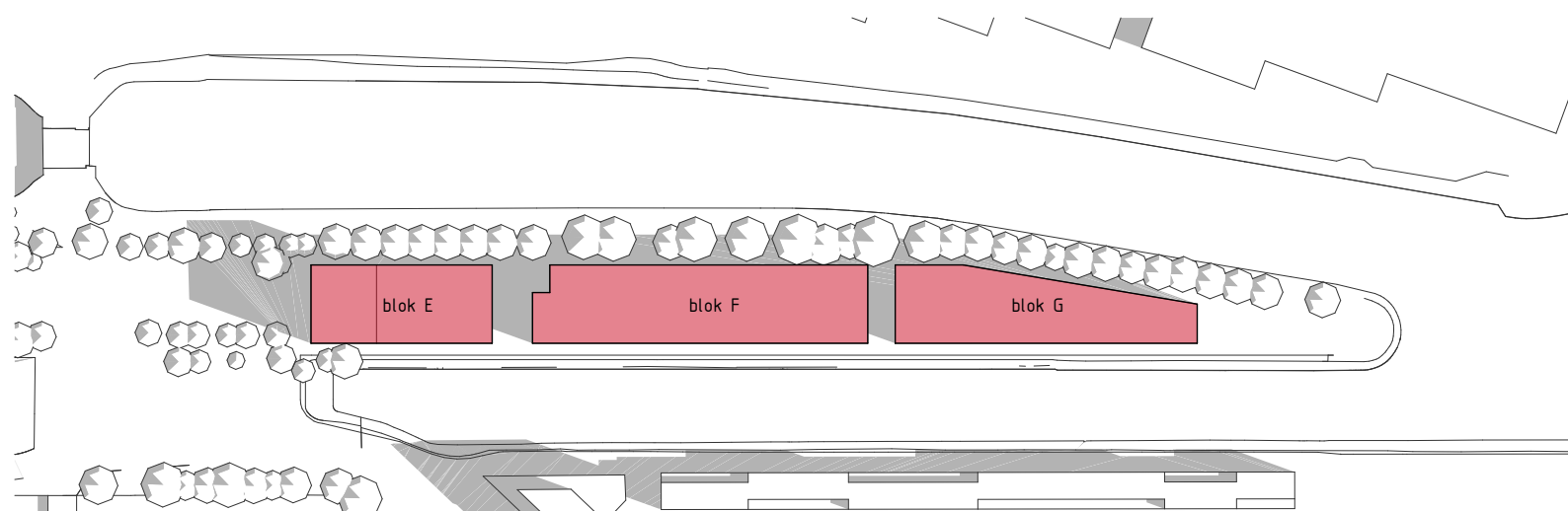
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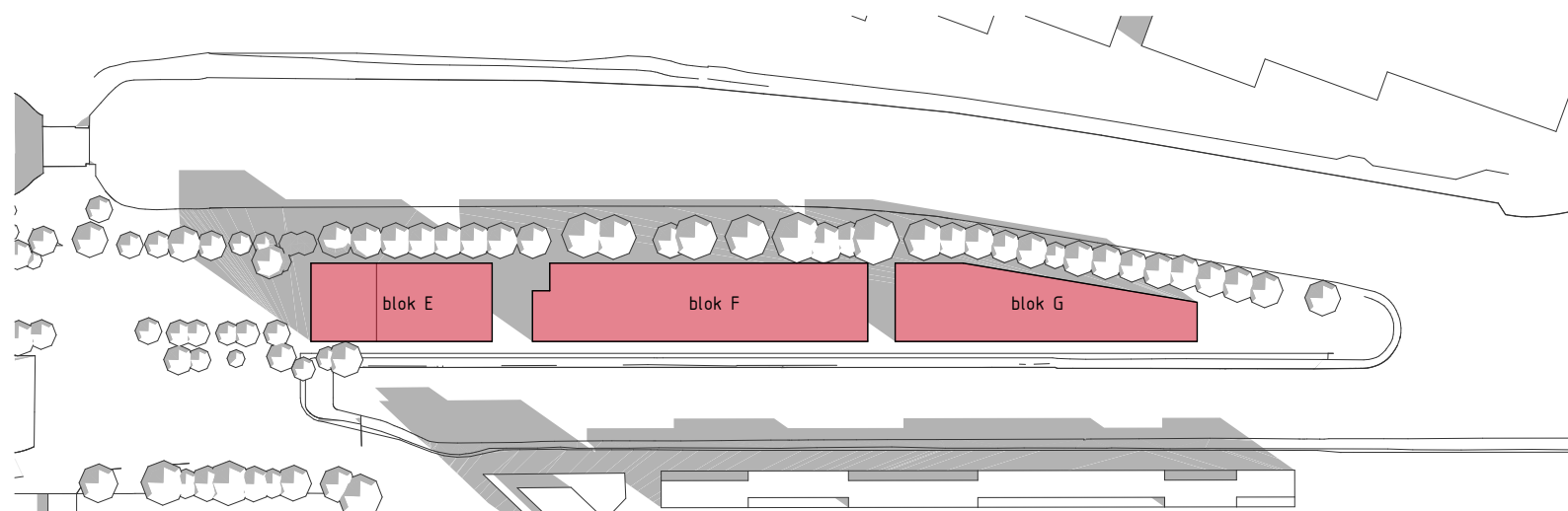
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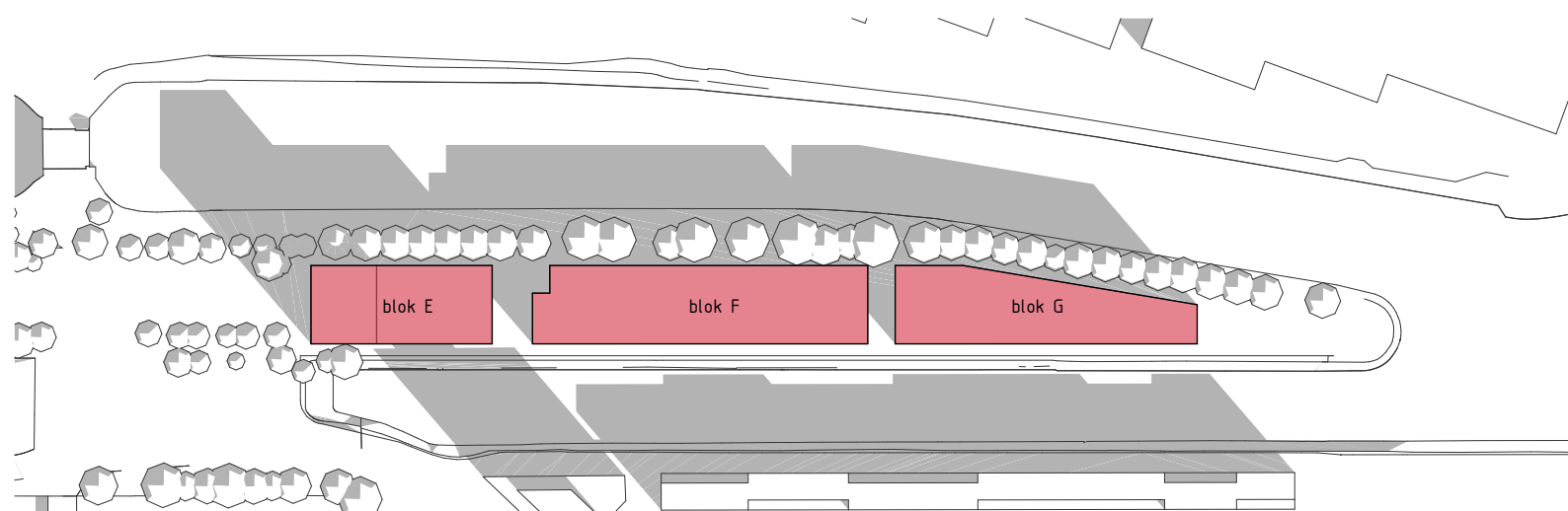
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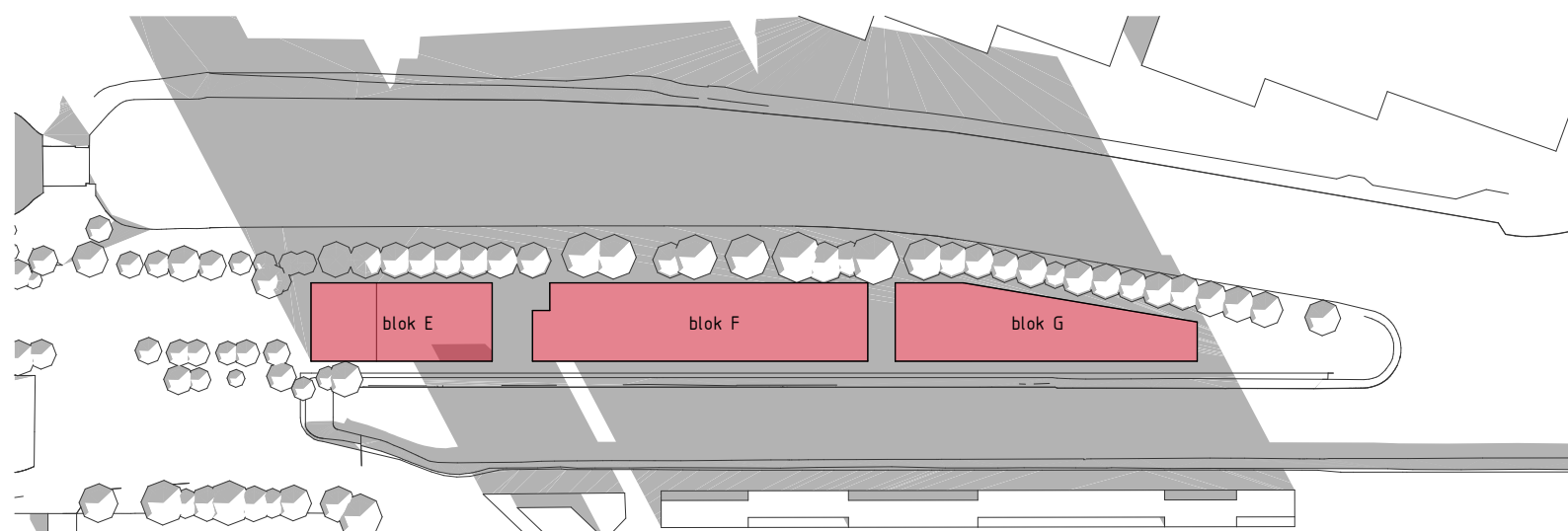
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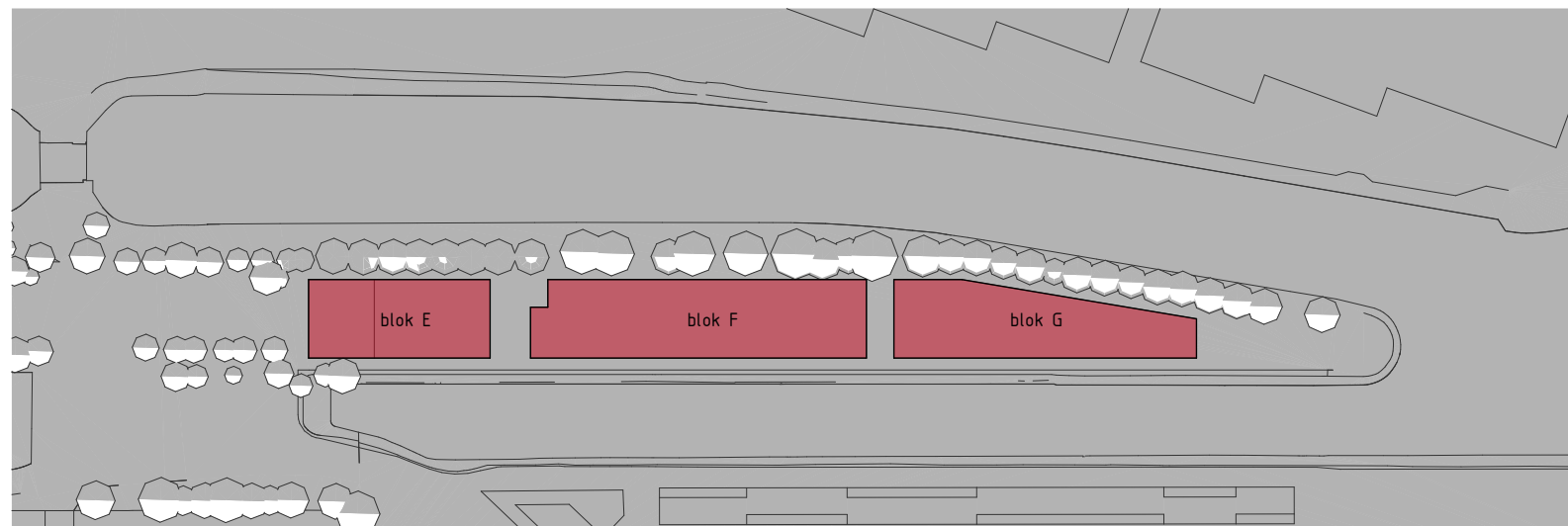
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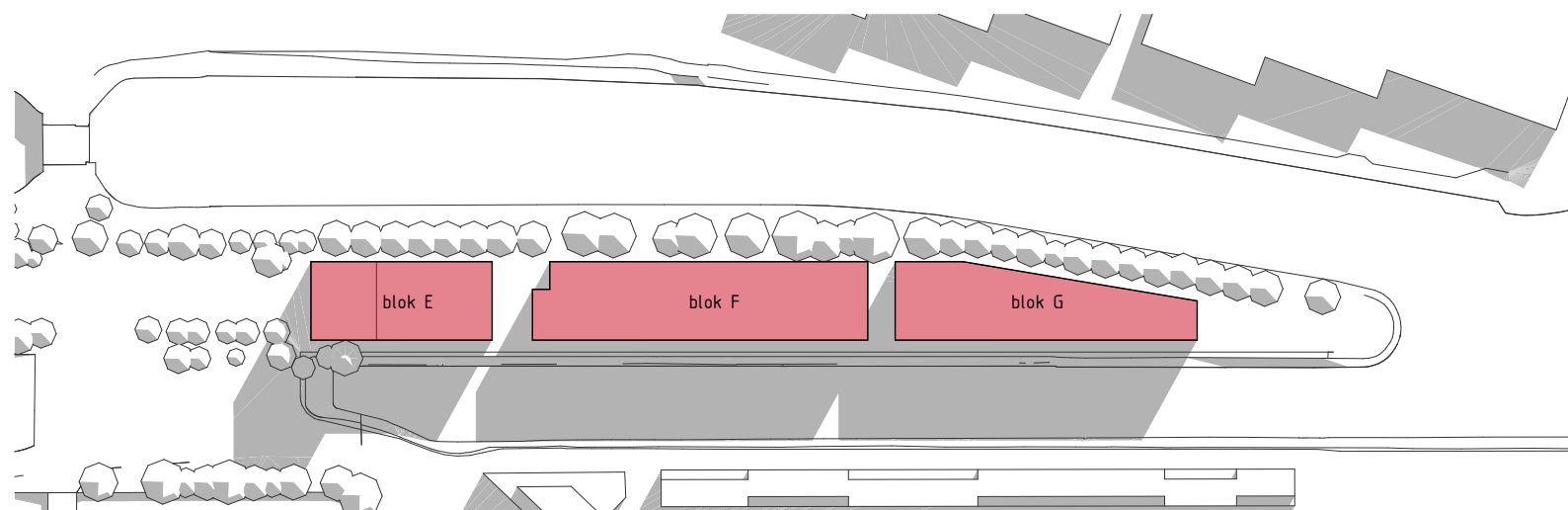
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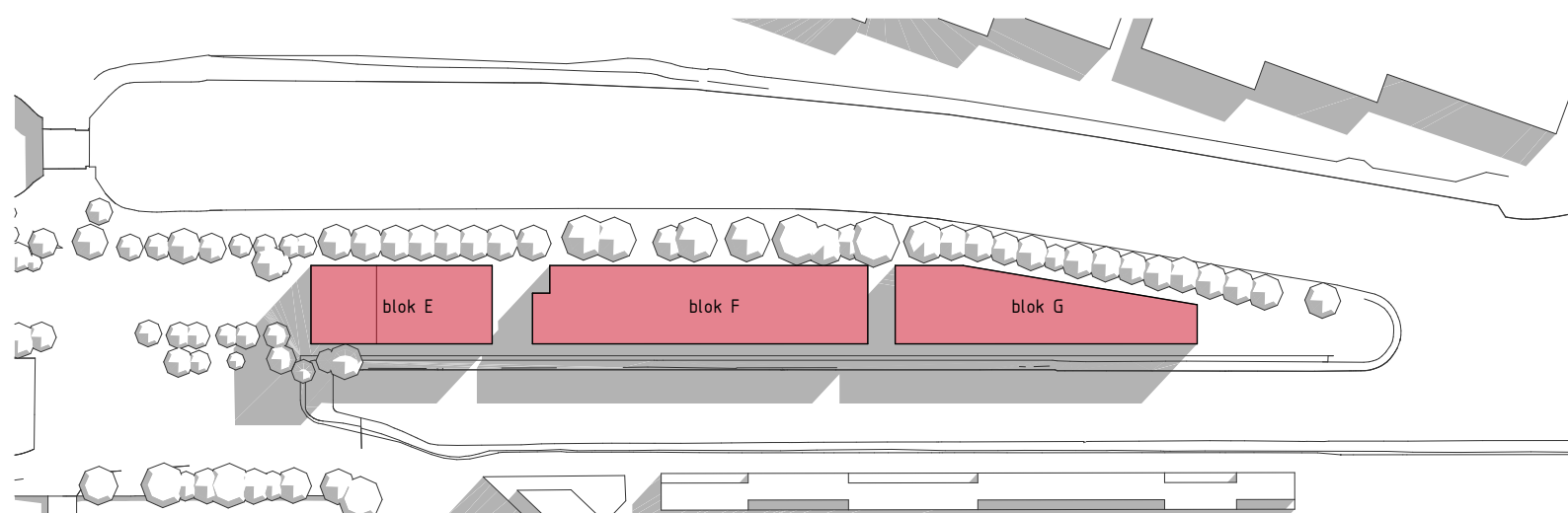
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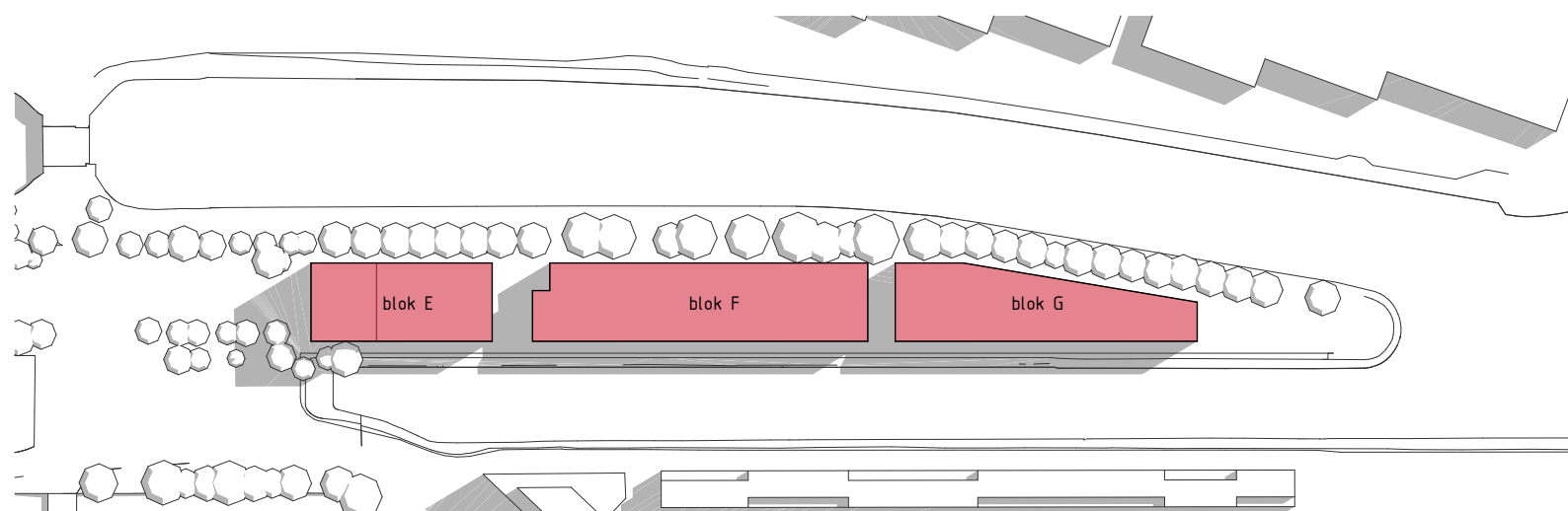
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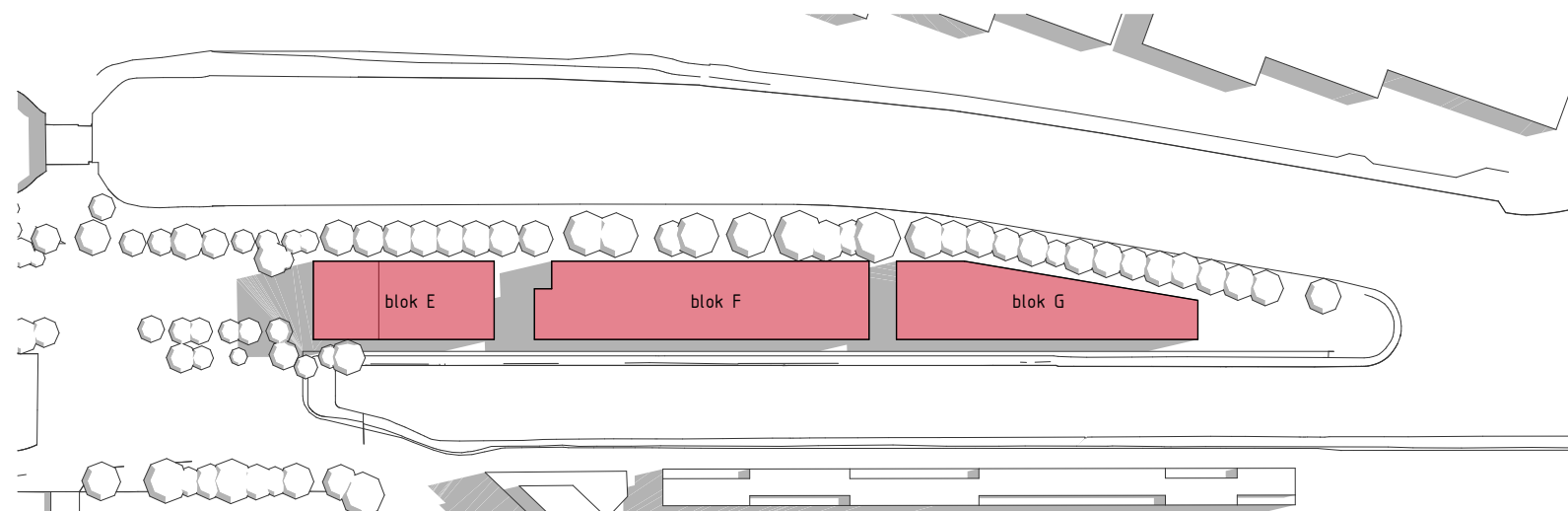
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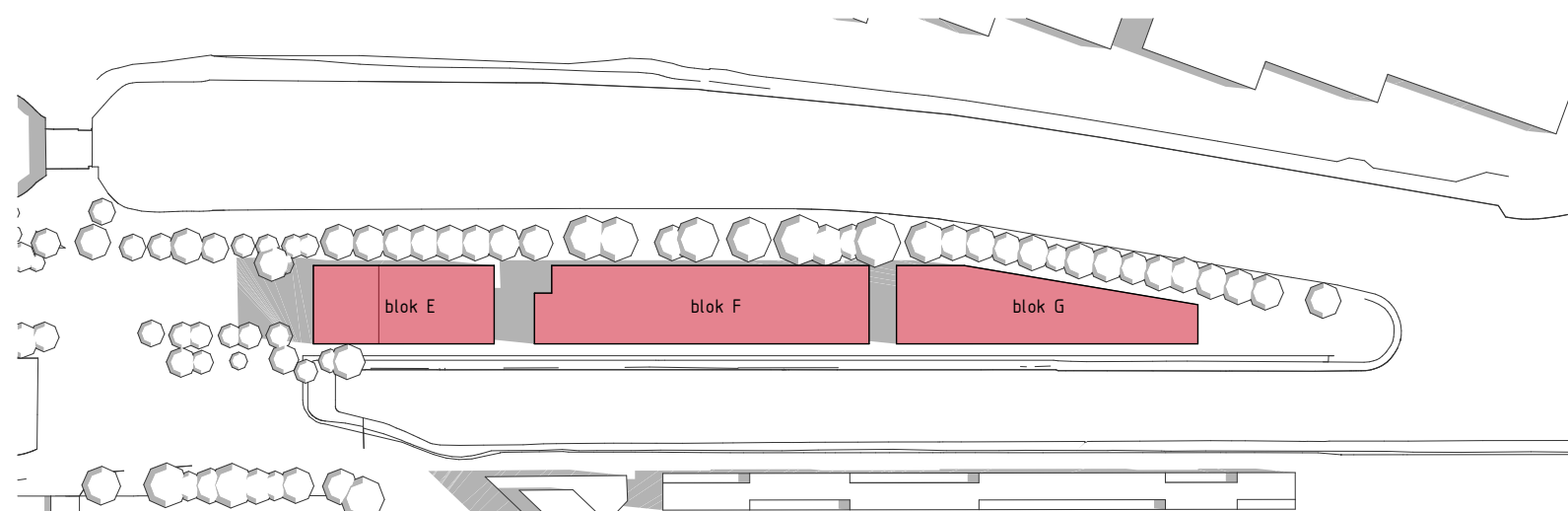
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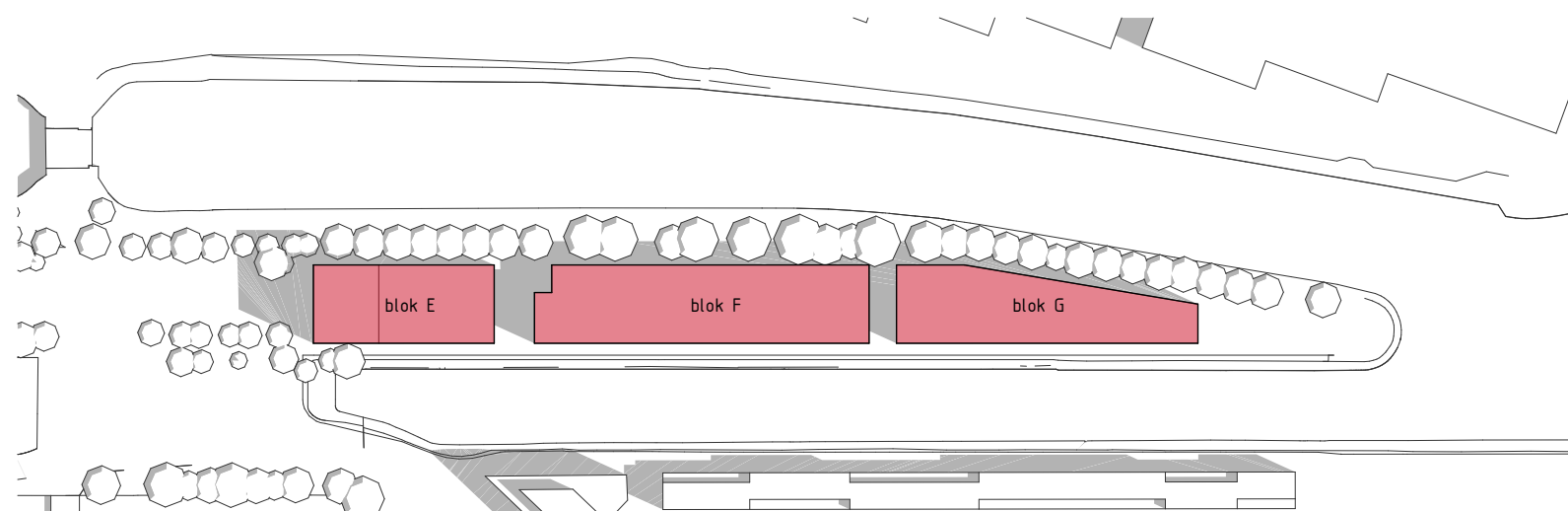
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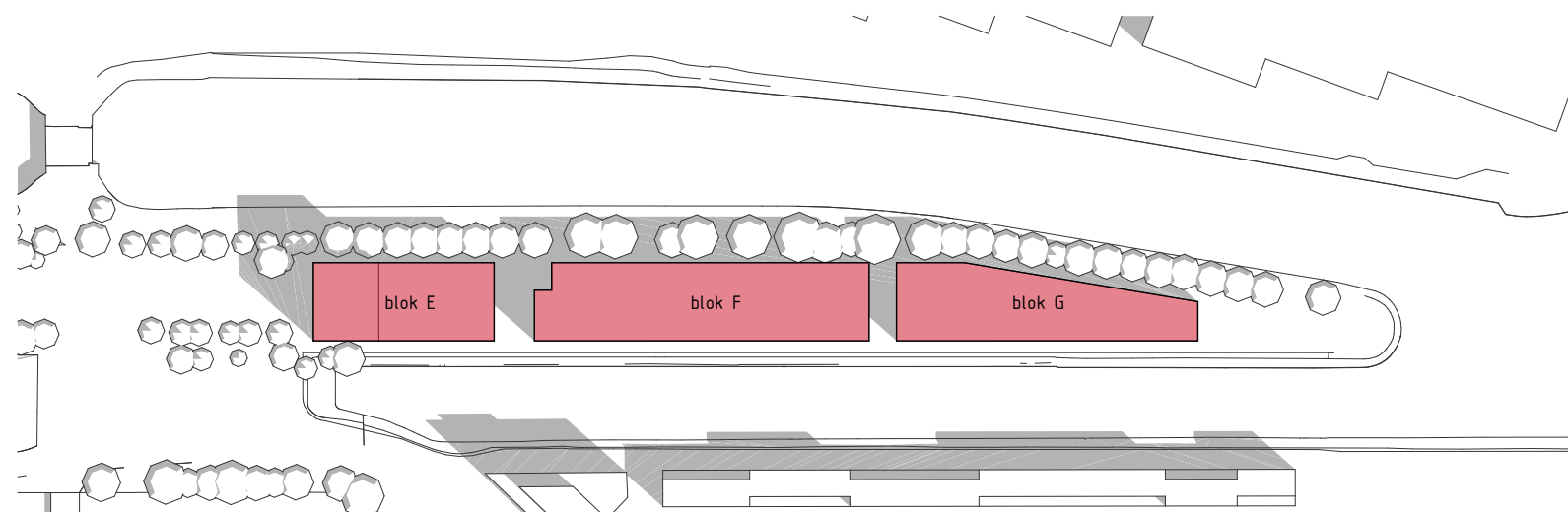
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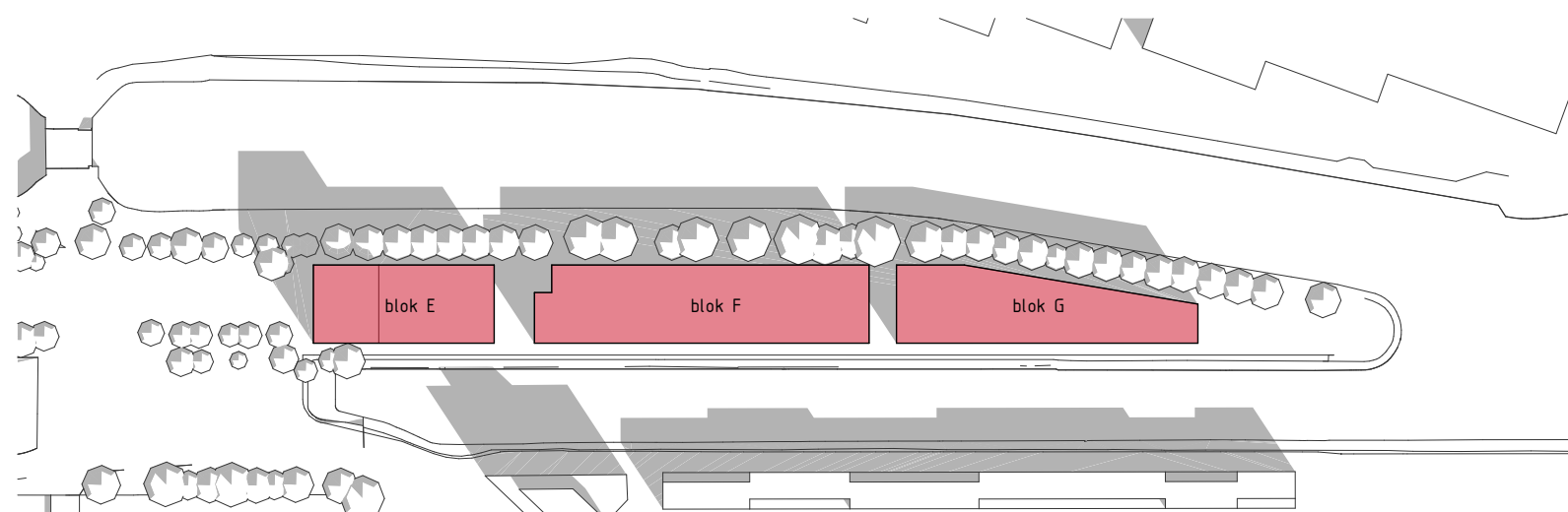
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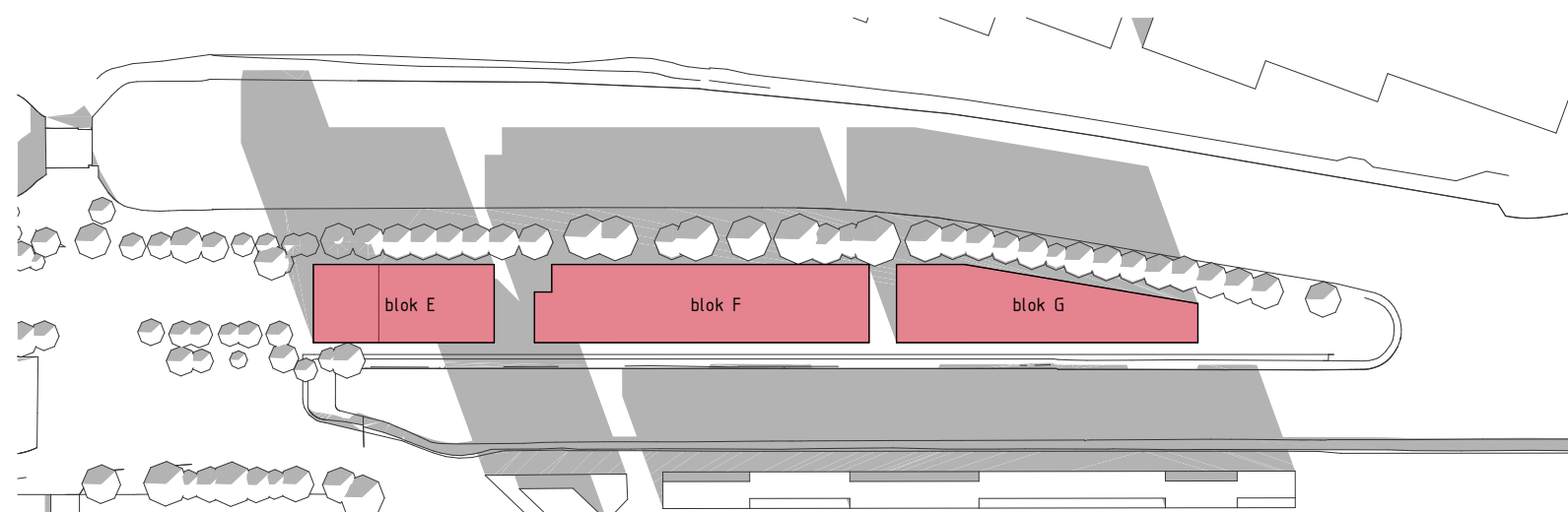
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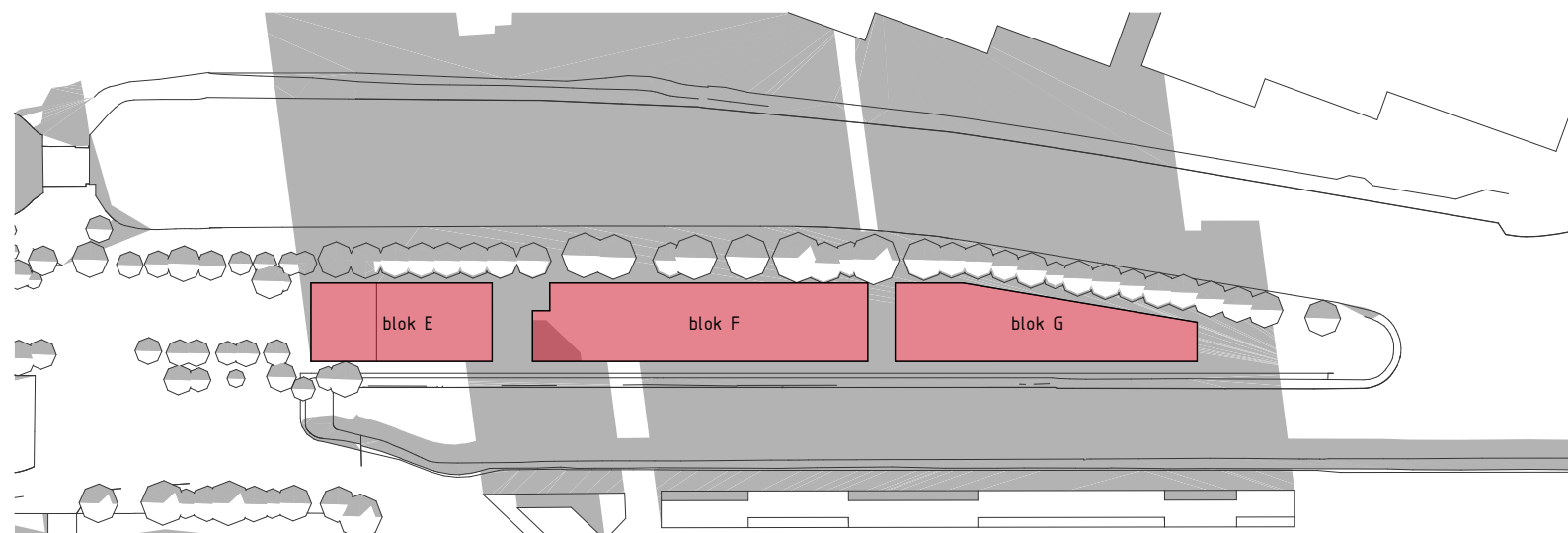
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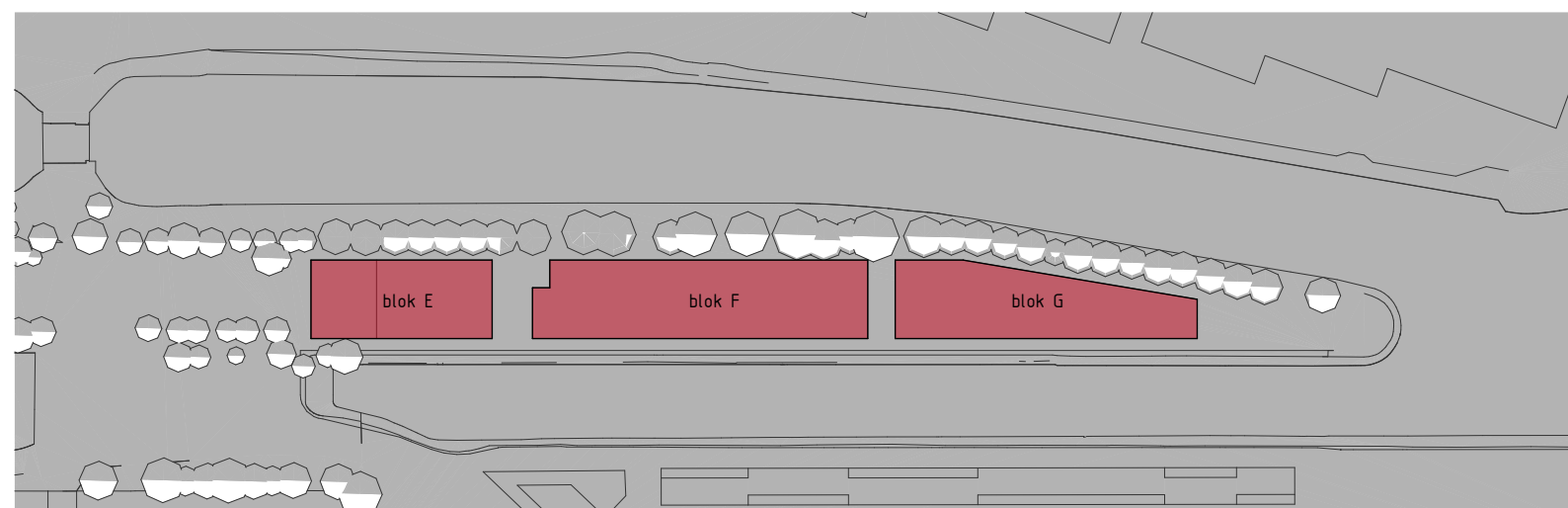
21 maart 16:00



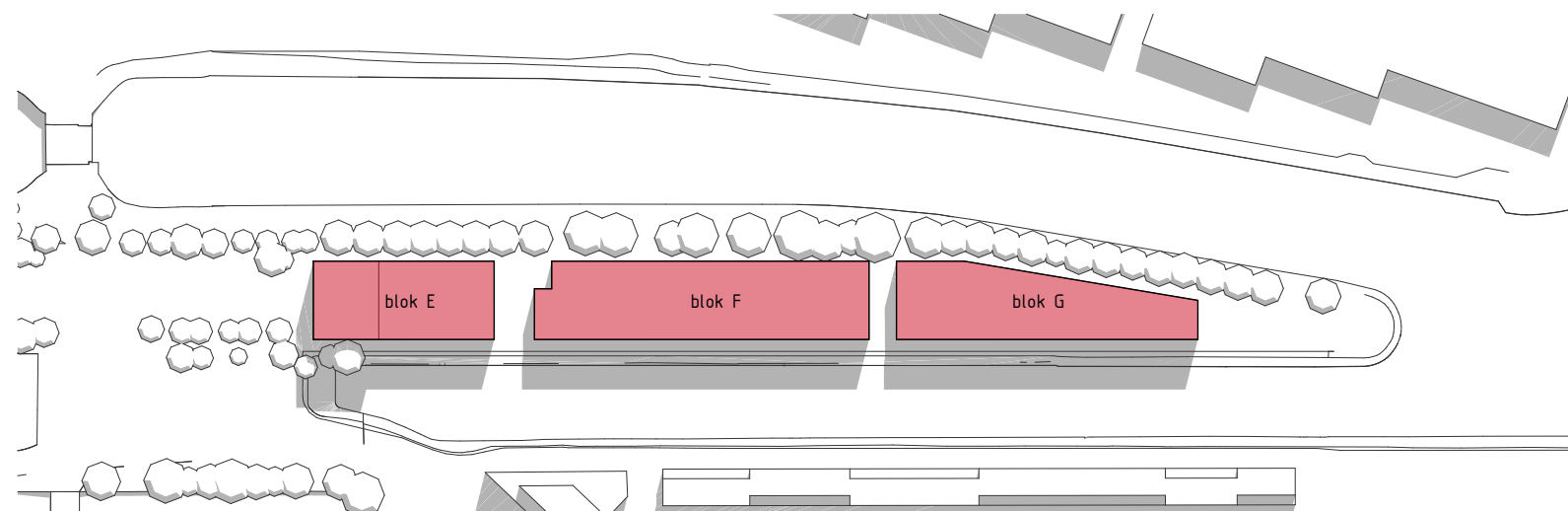
21 maart 17:00



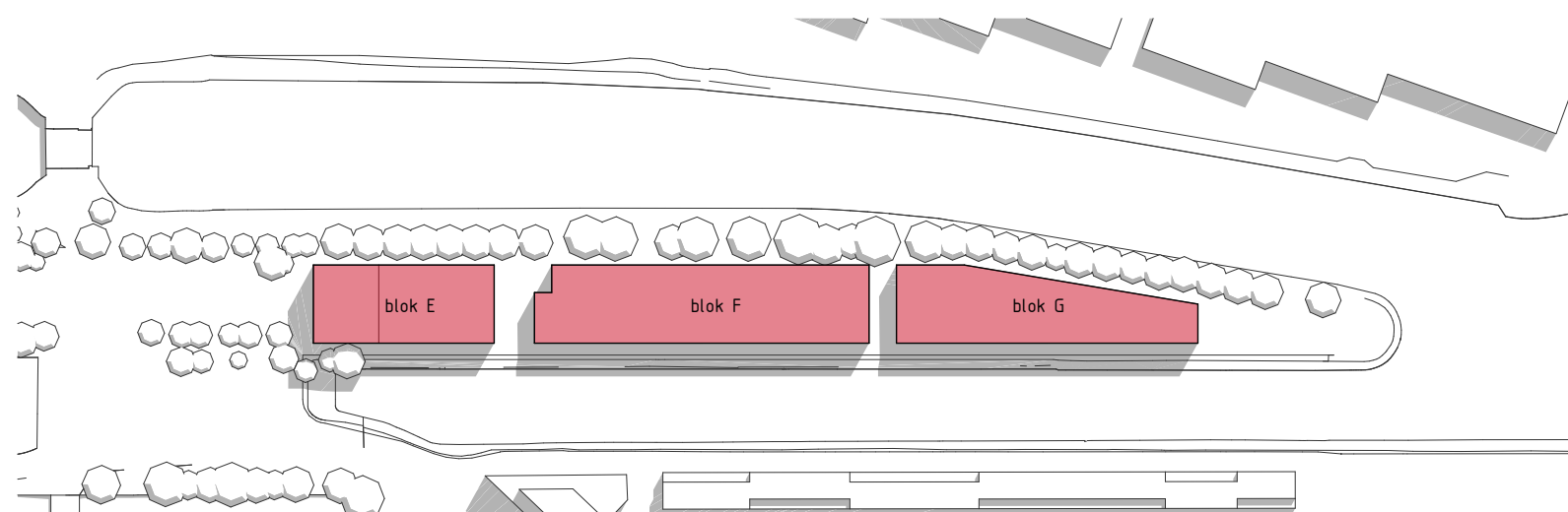
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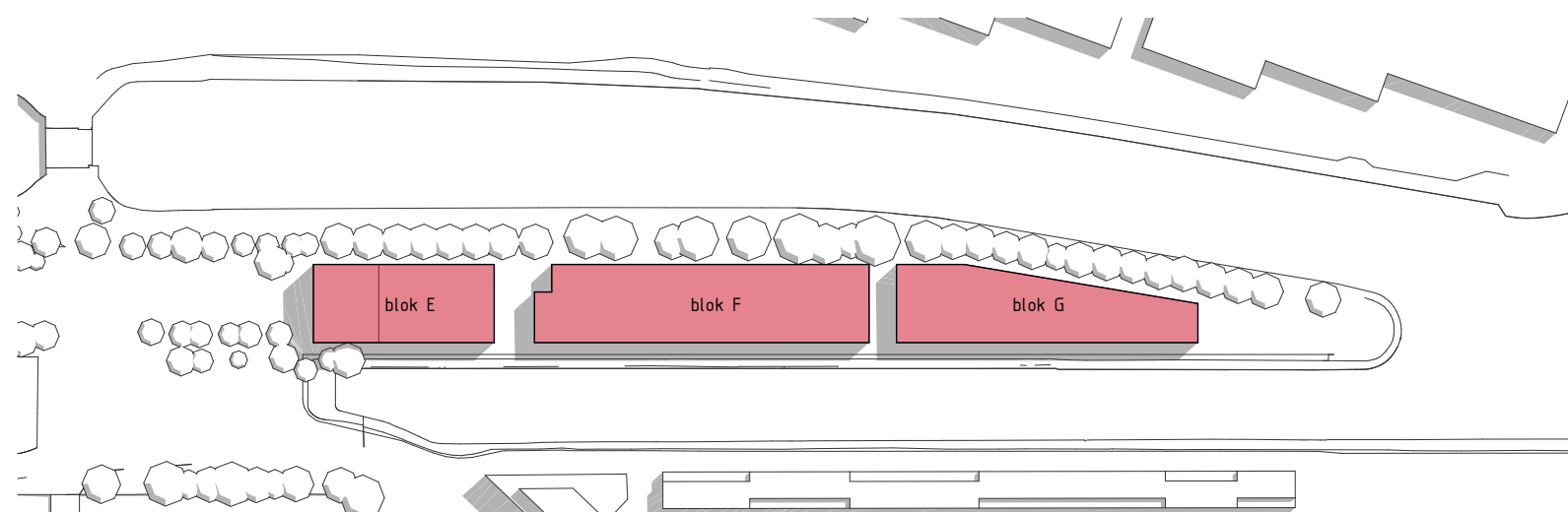
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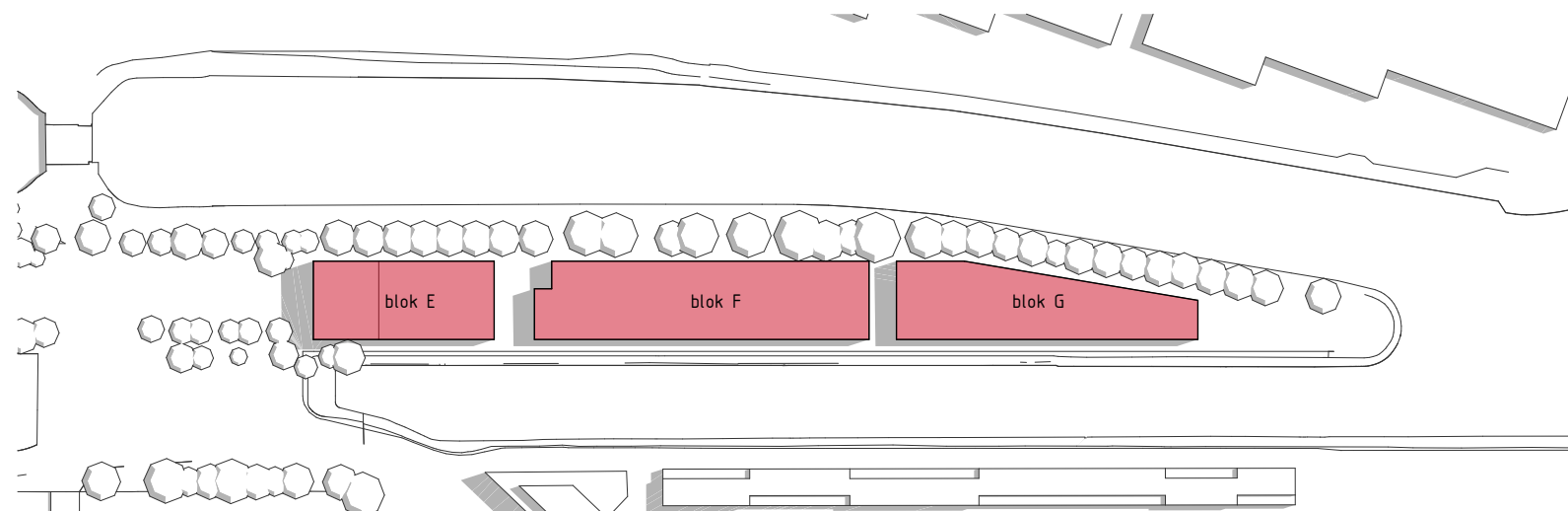
21 juni 09:00



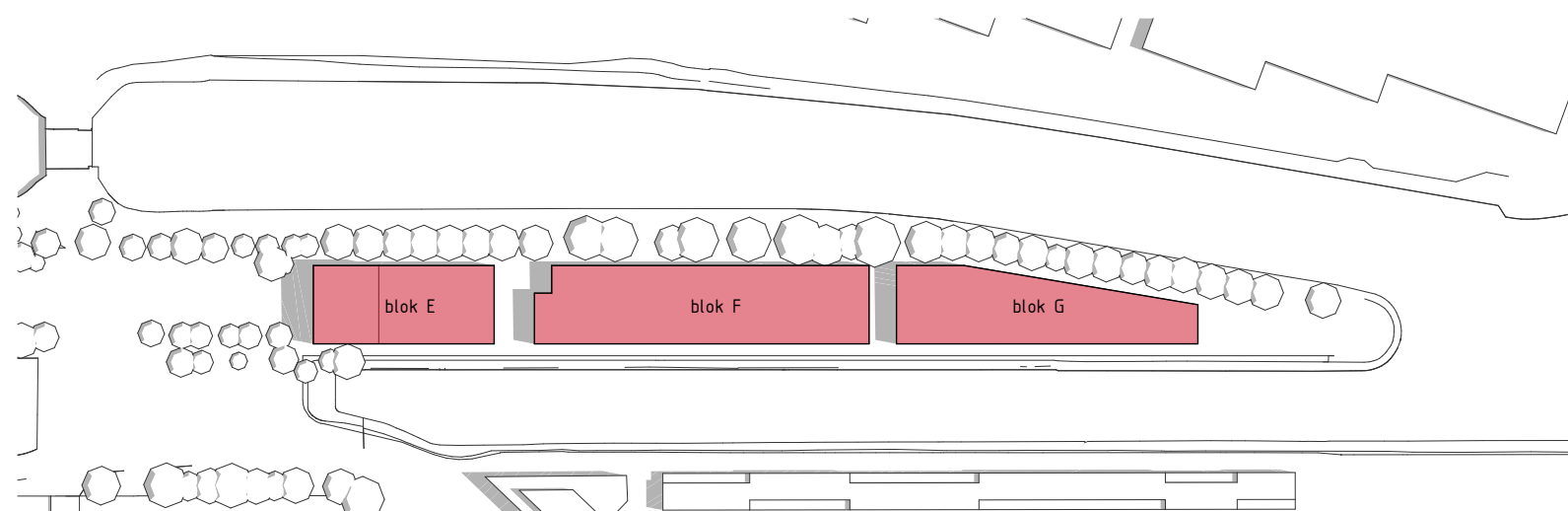
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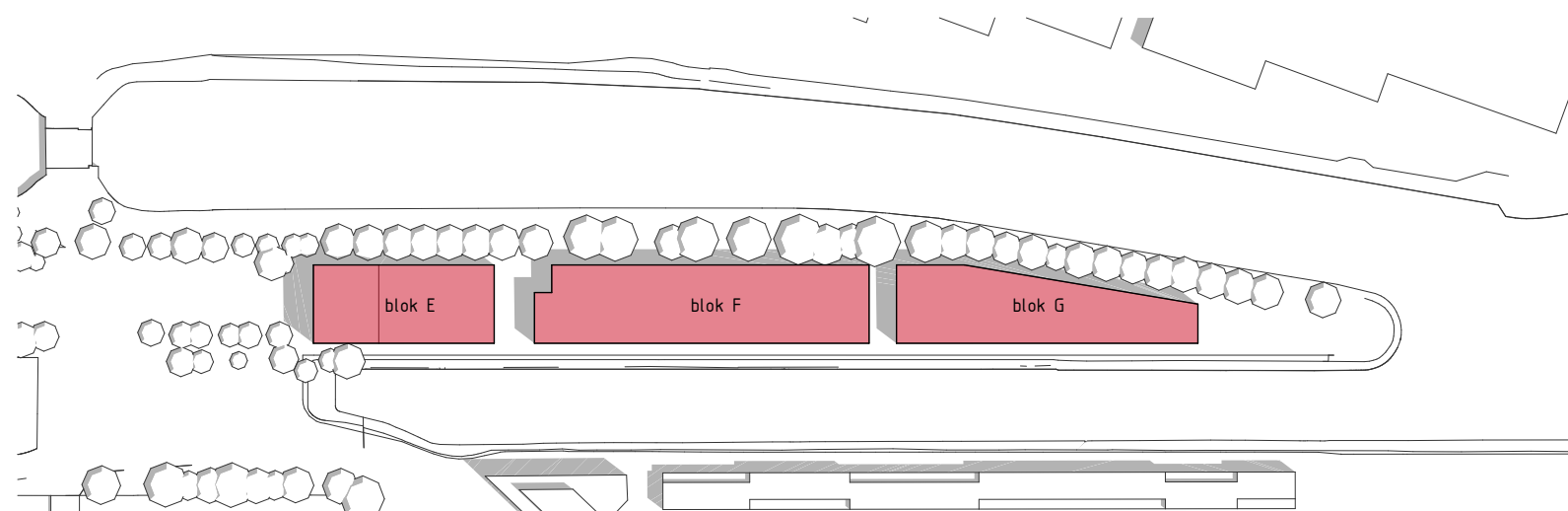
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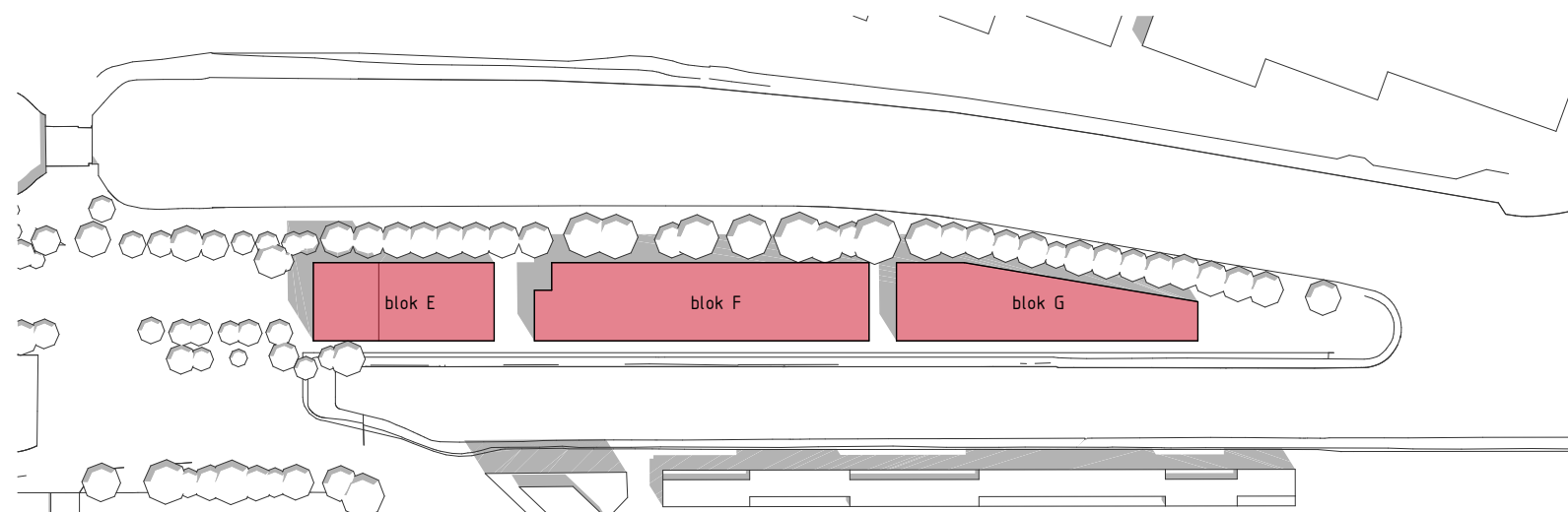
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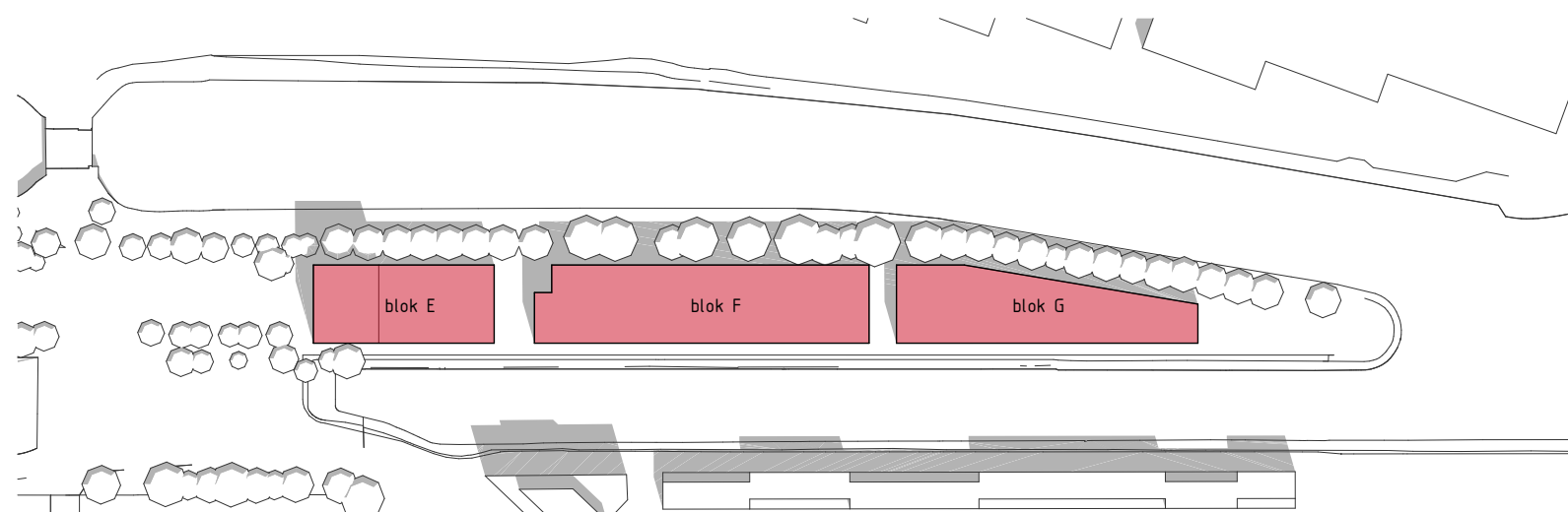
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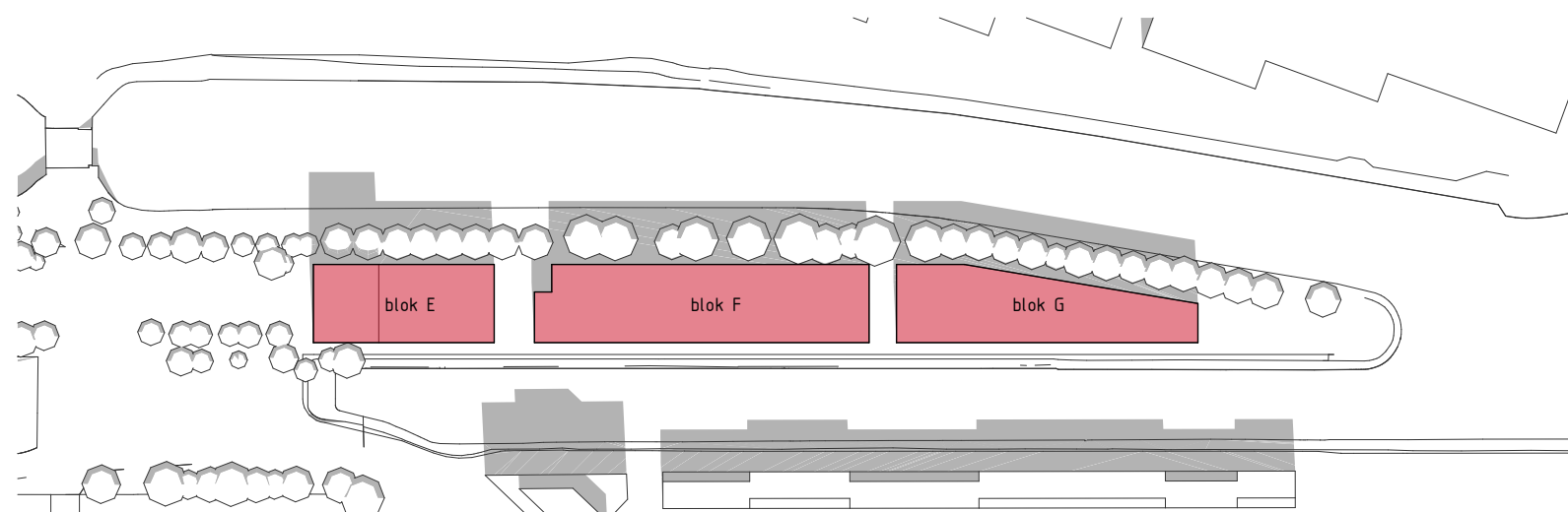
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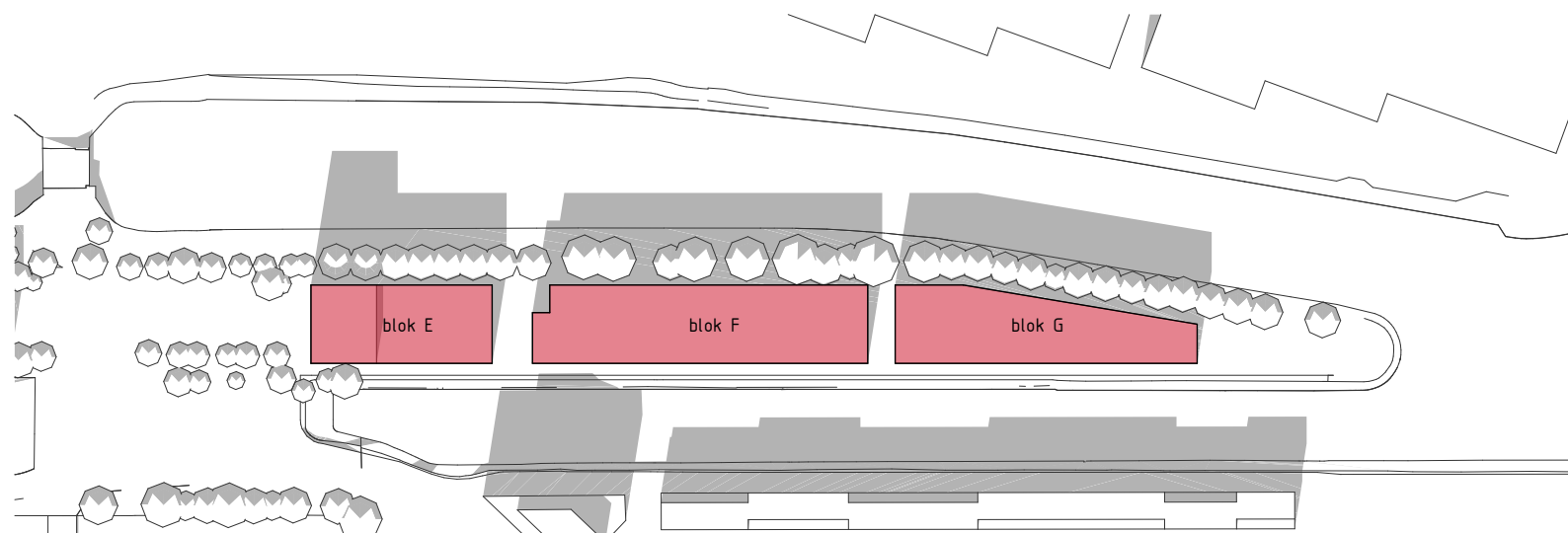
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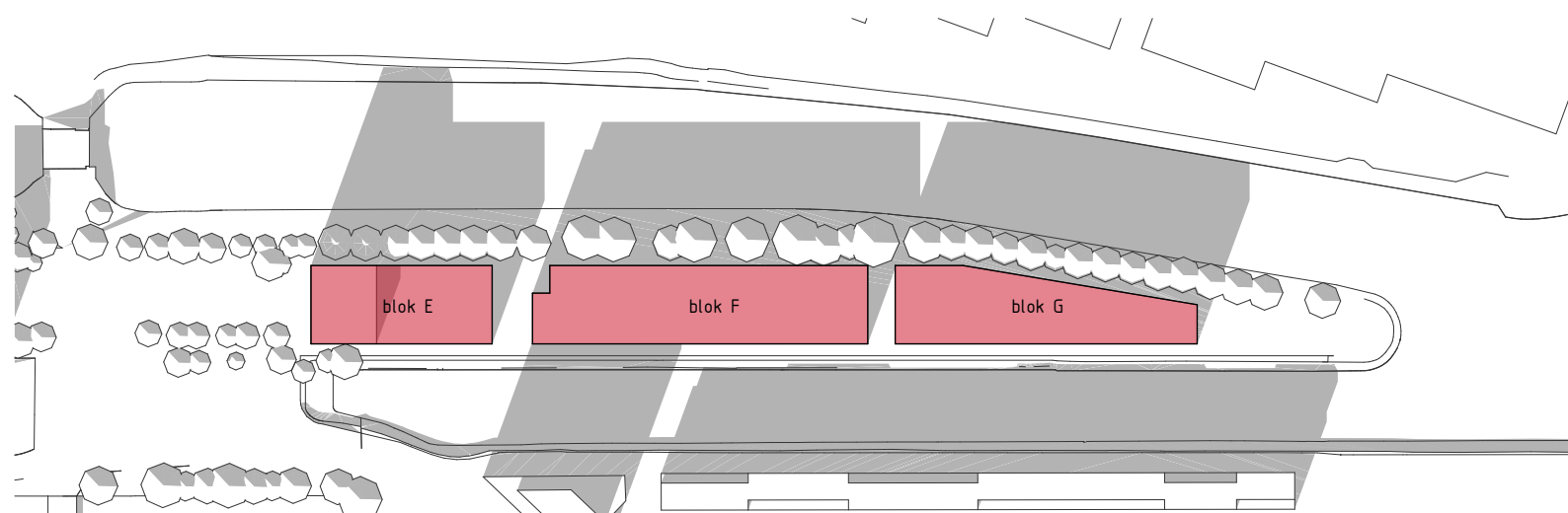
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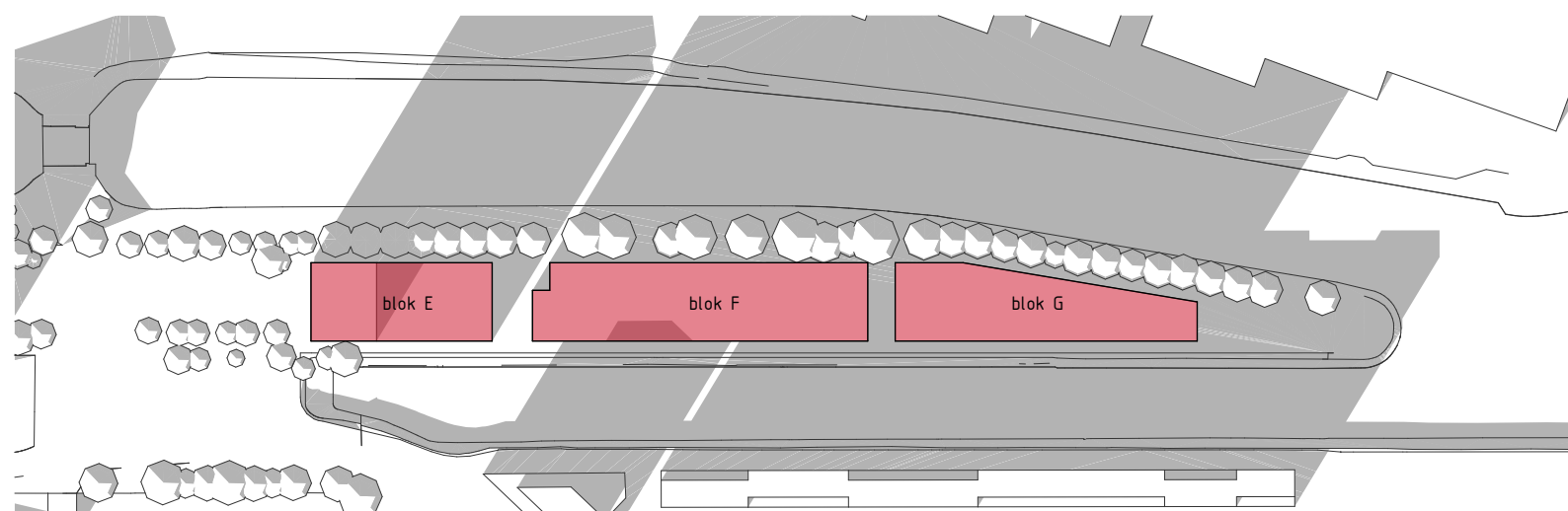
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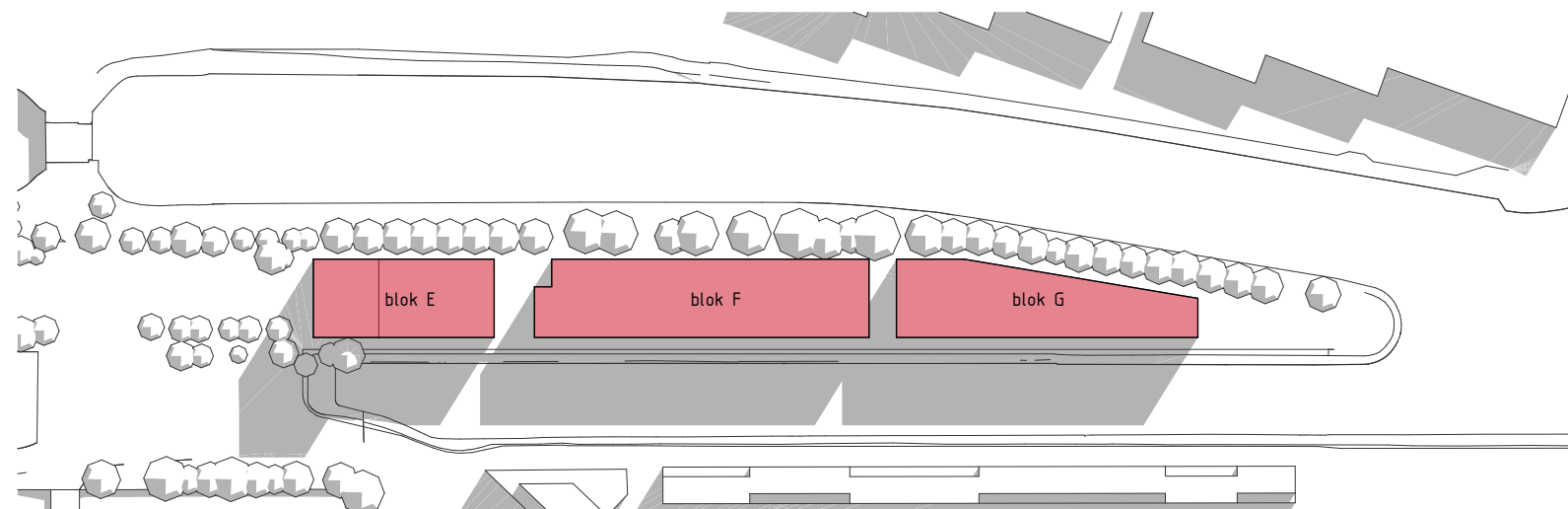
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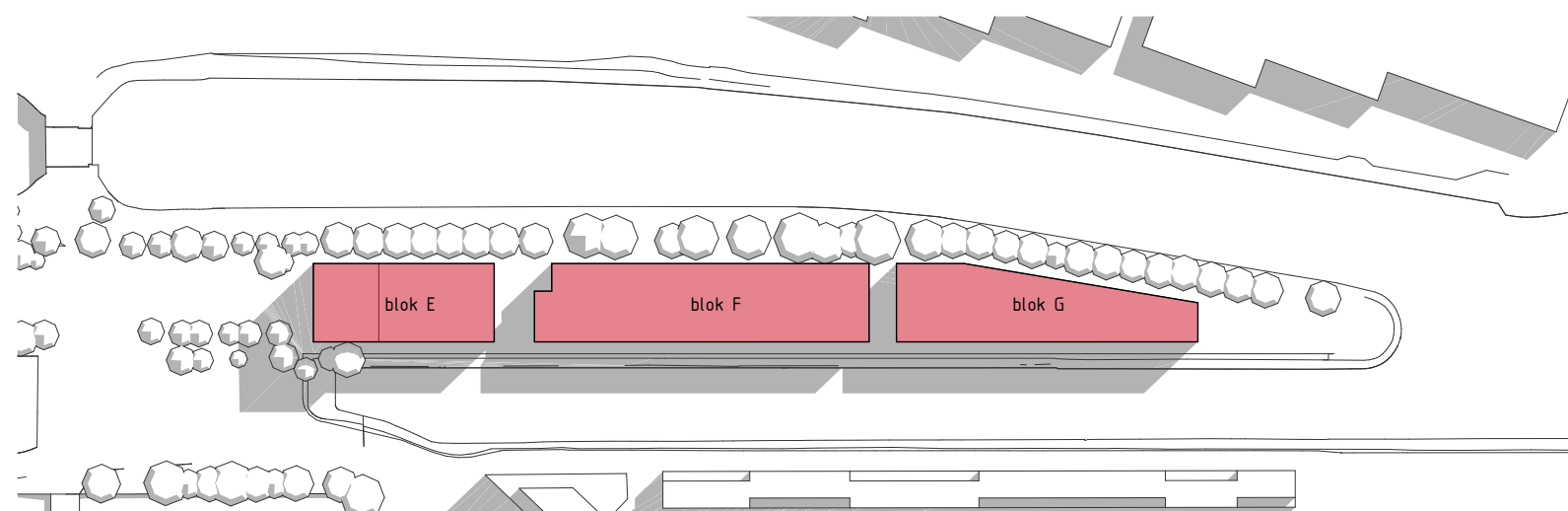
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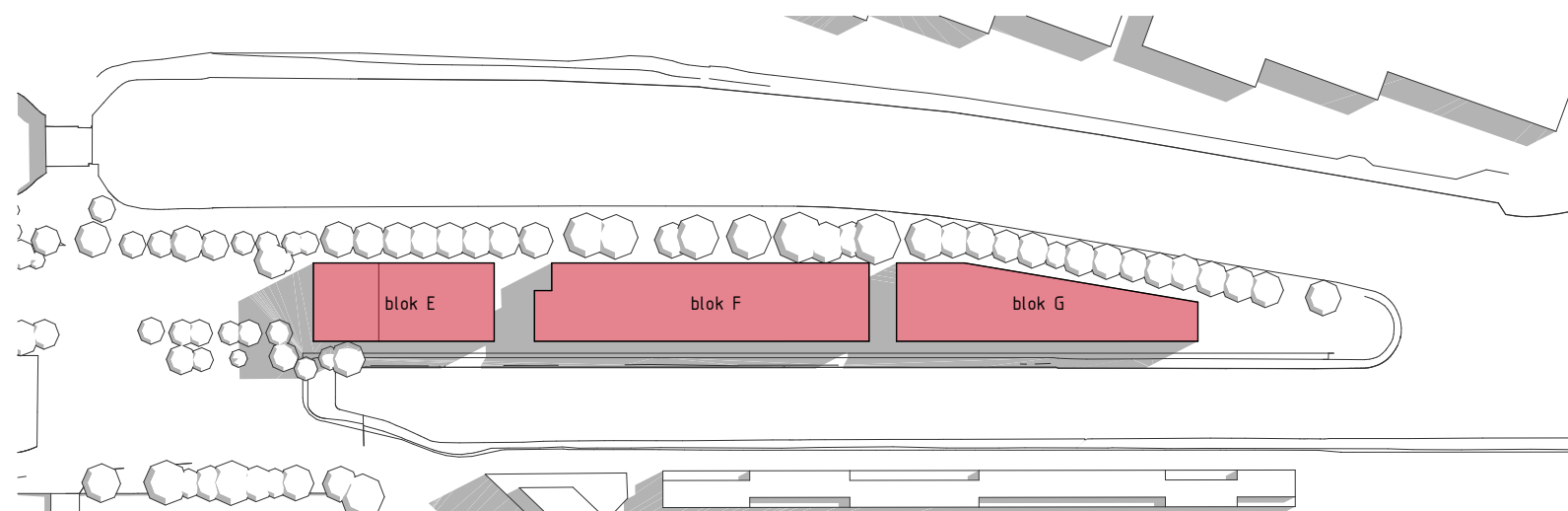
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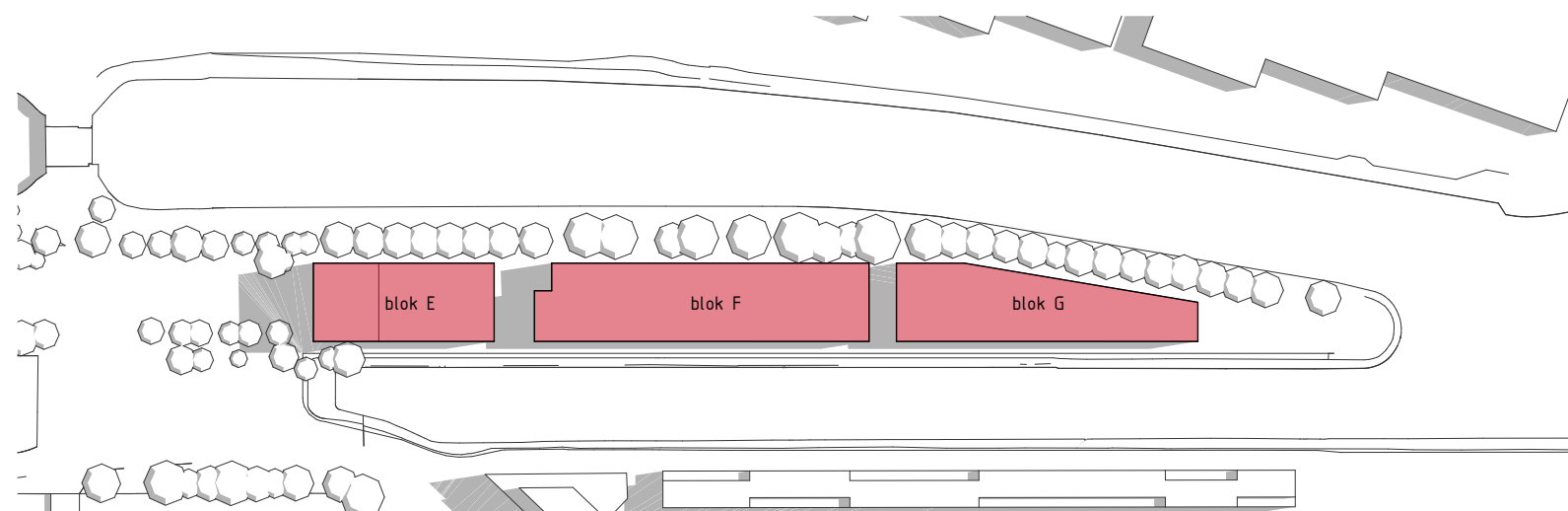
21 september 09:00



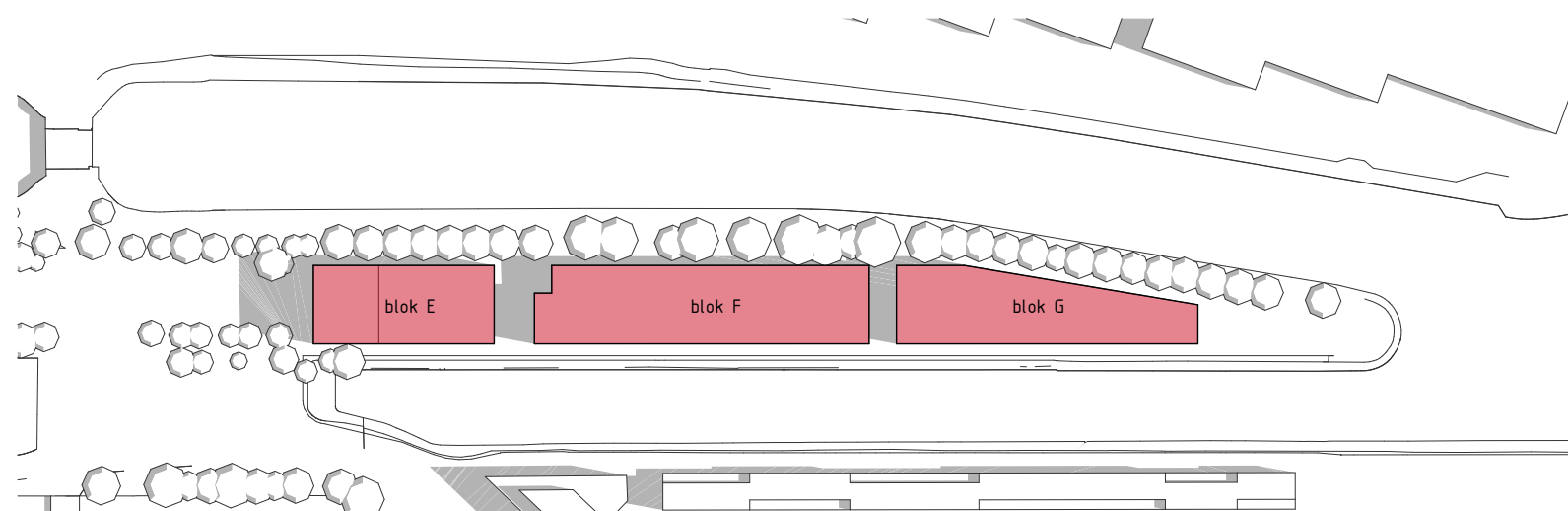
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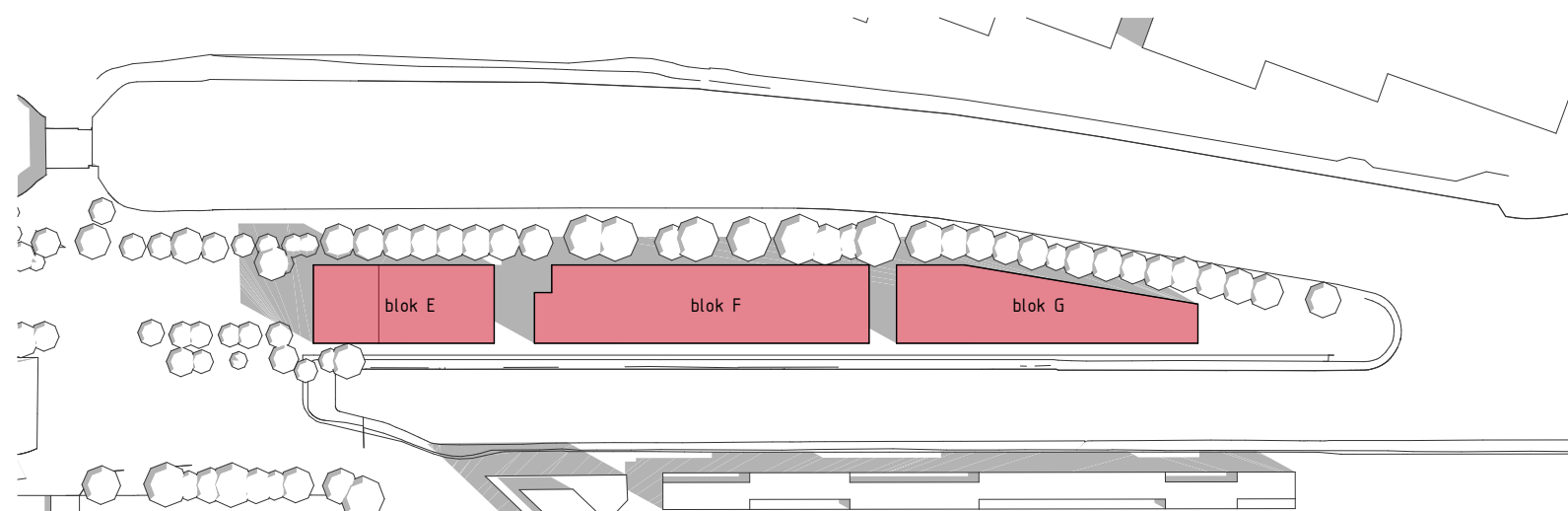
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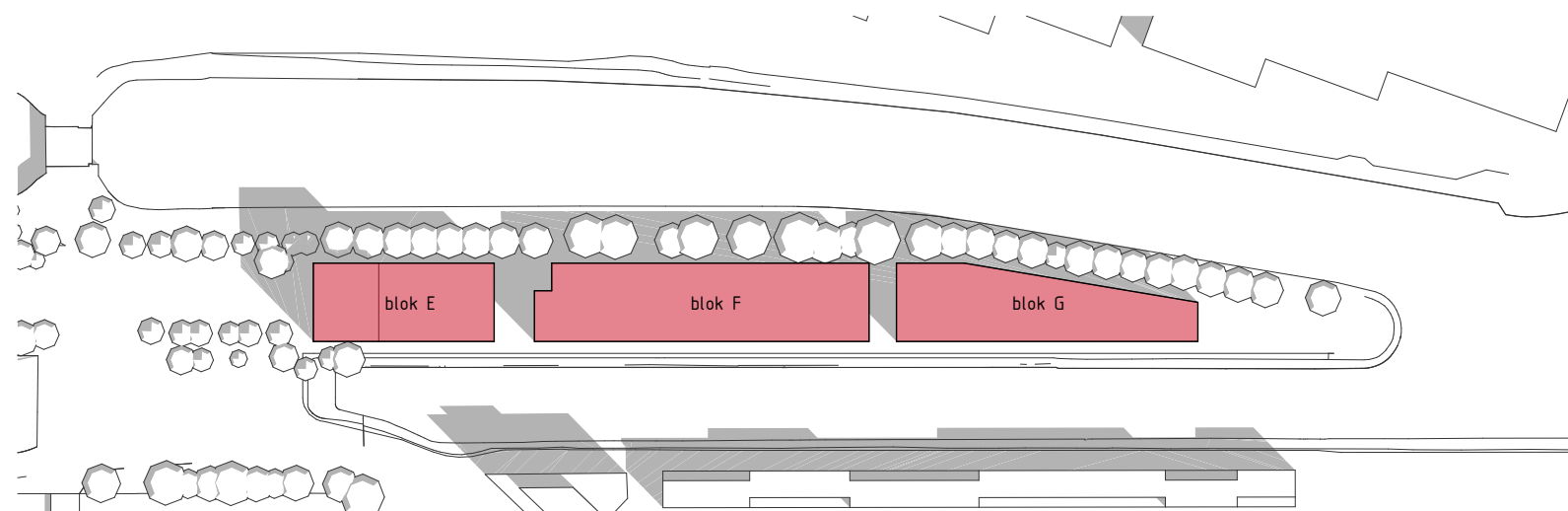
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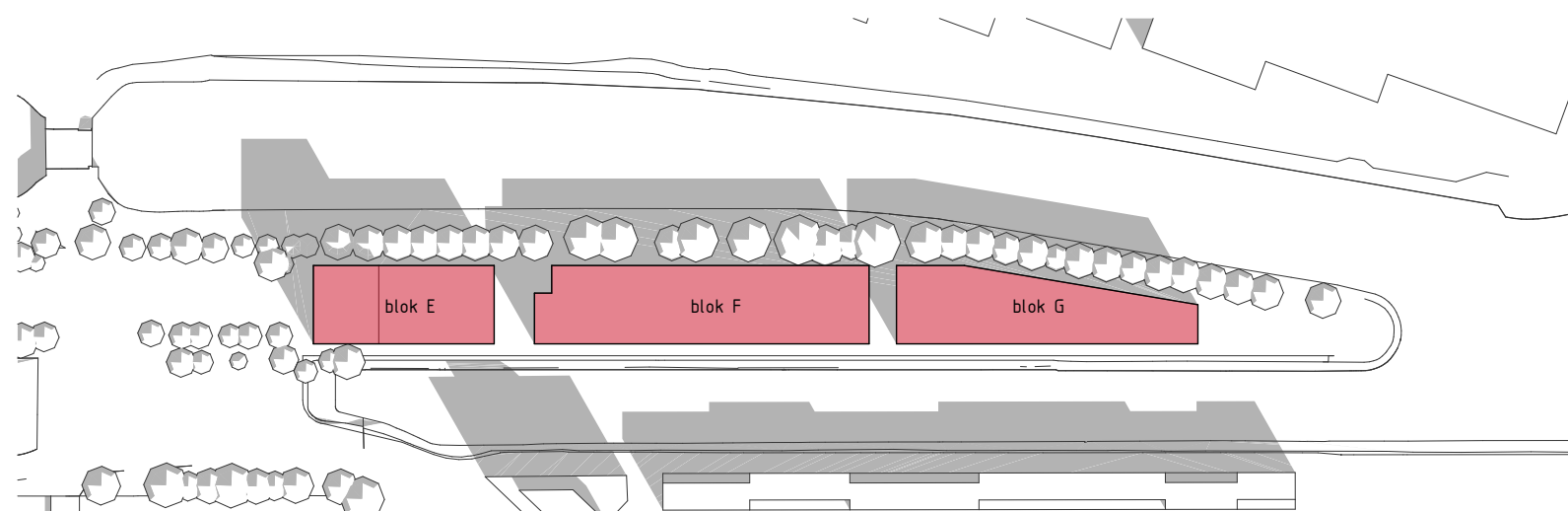
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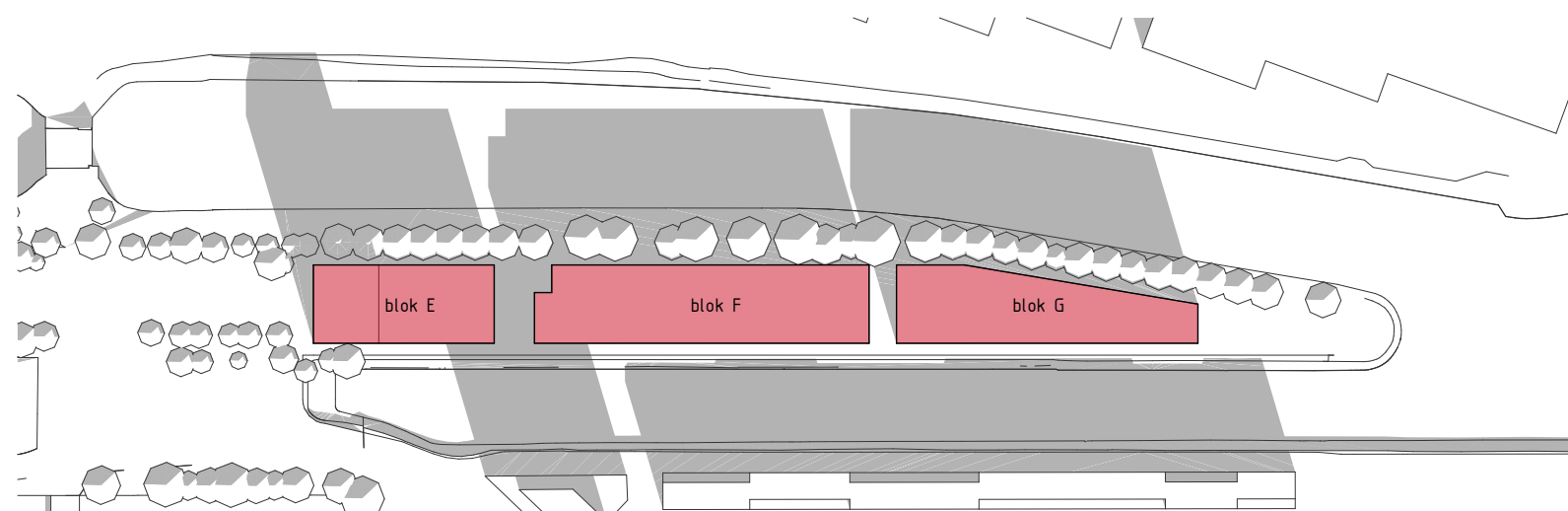
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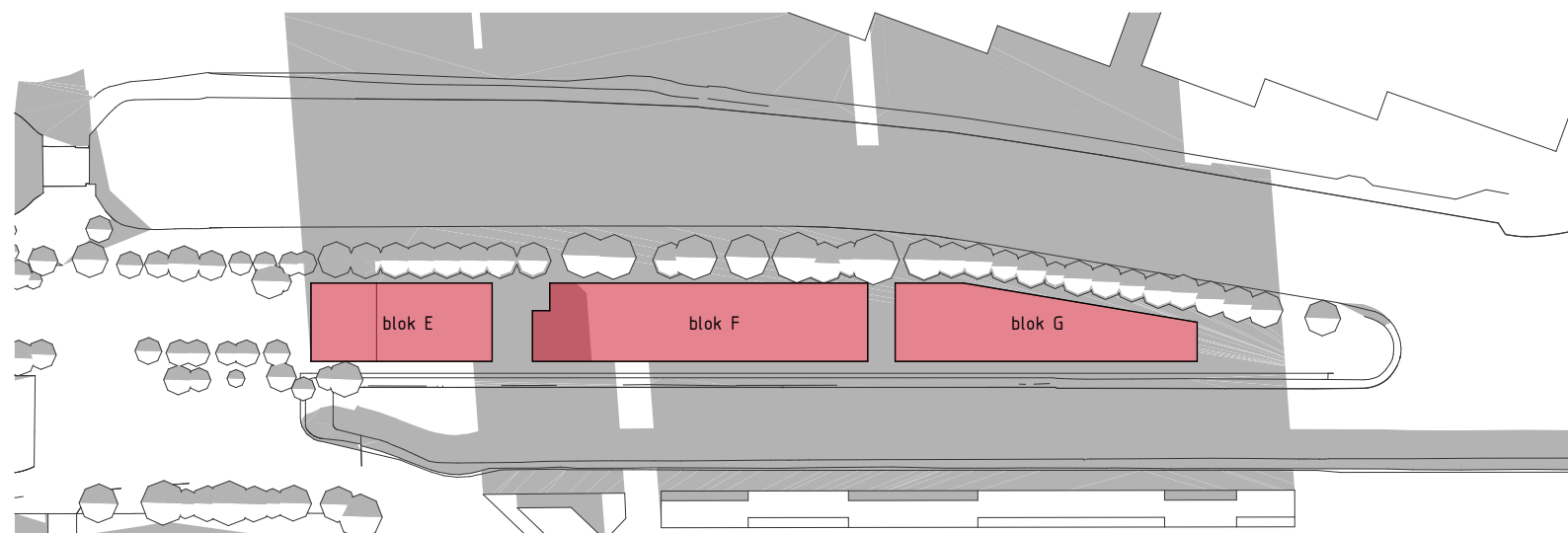
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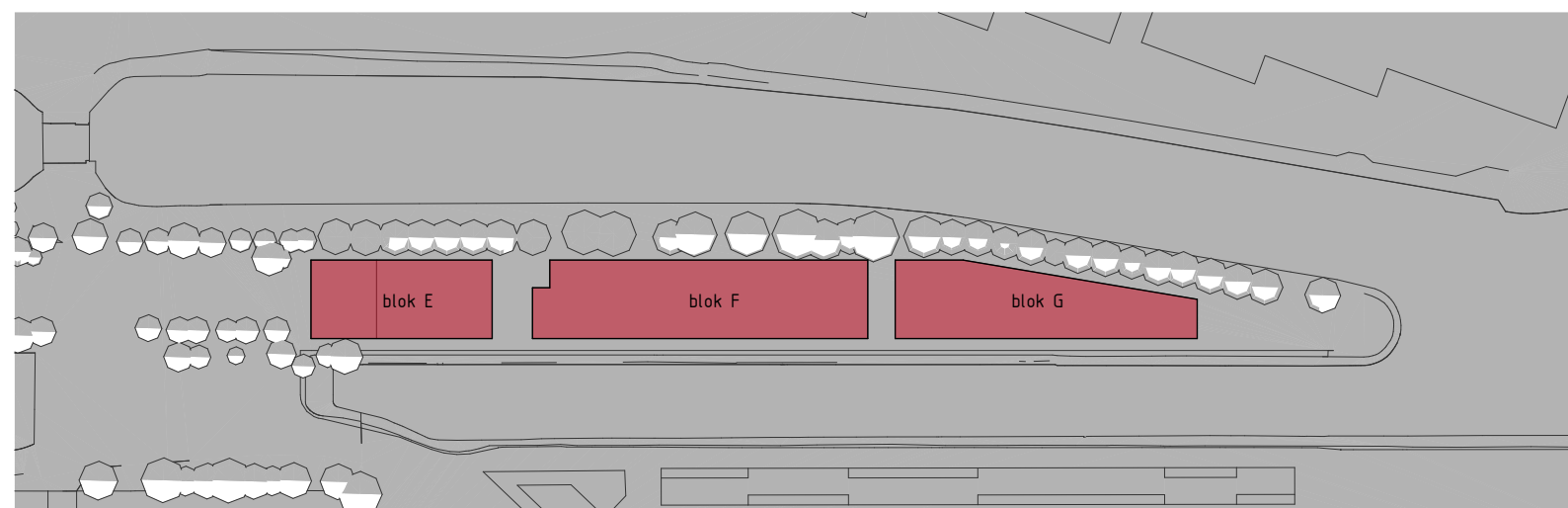
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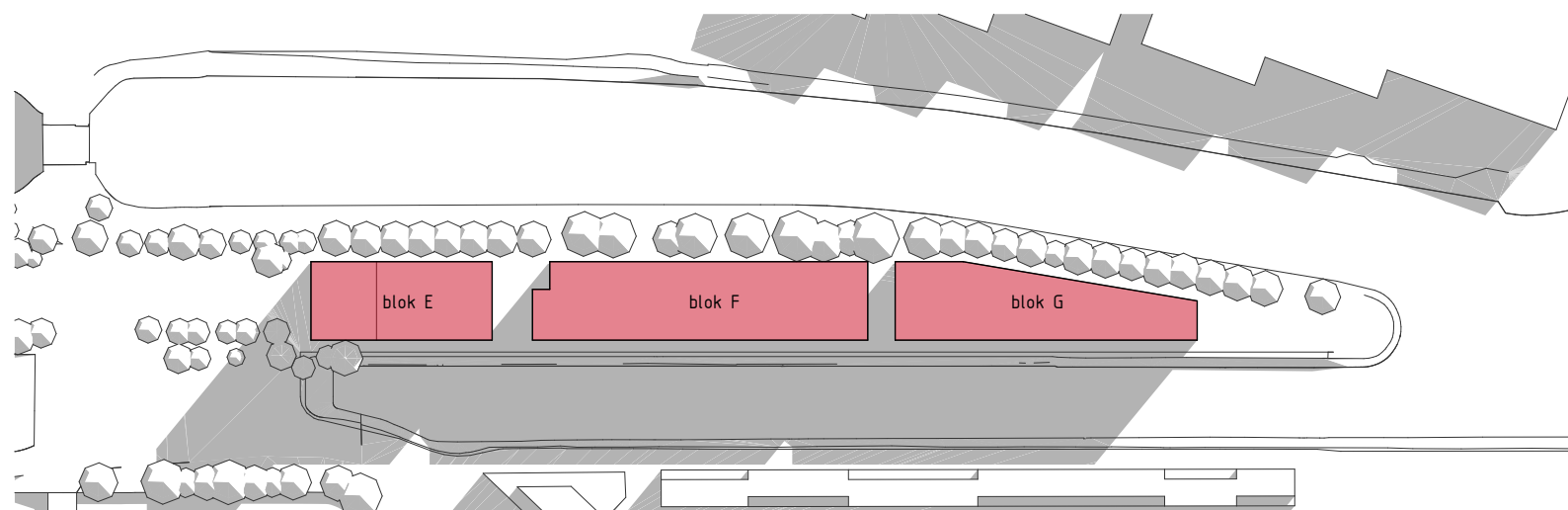
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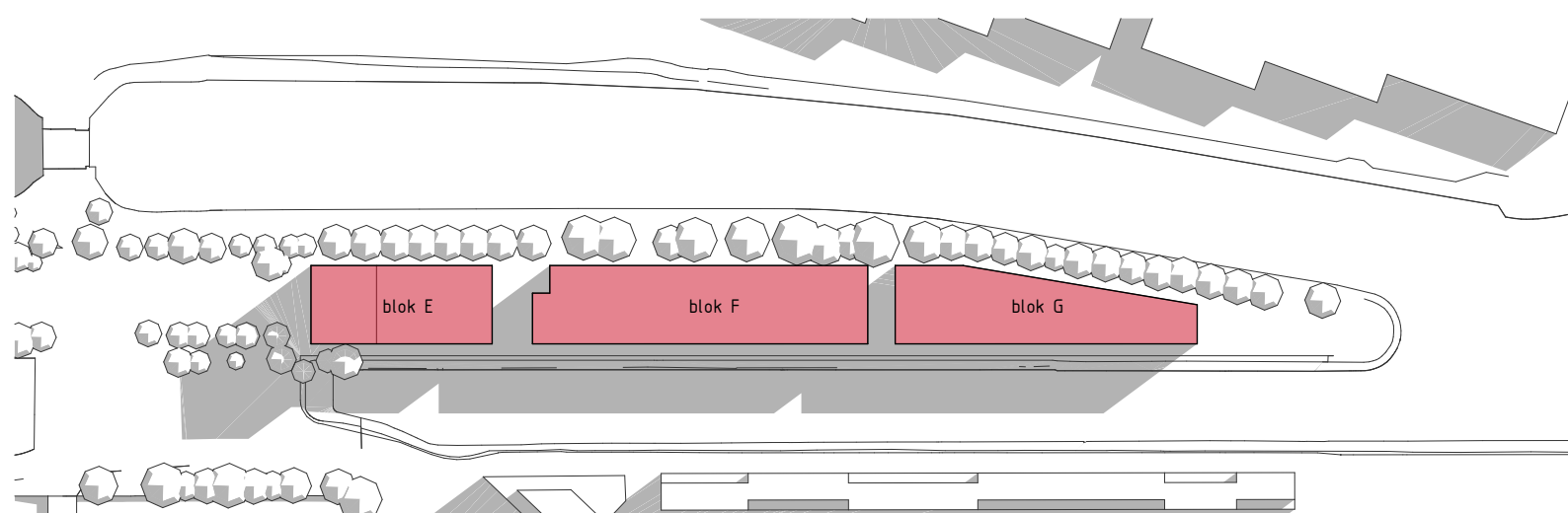
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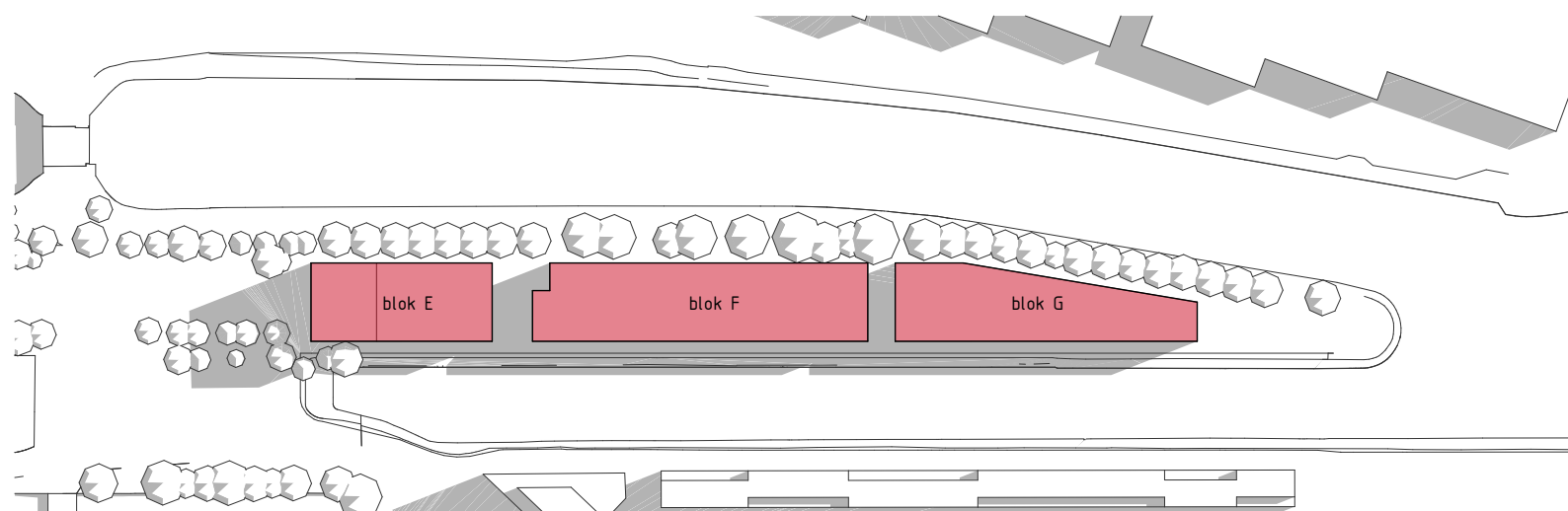
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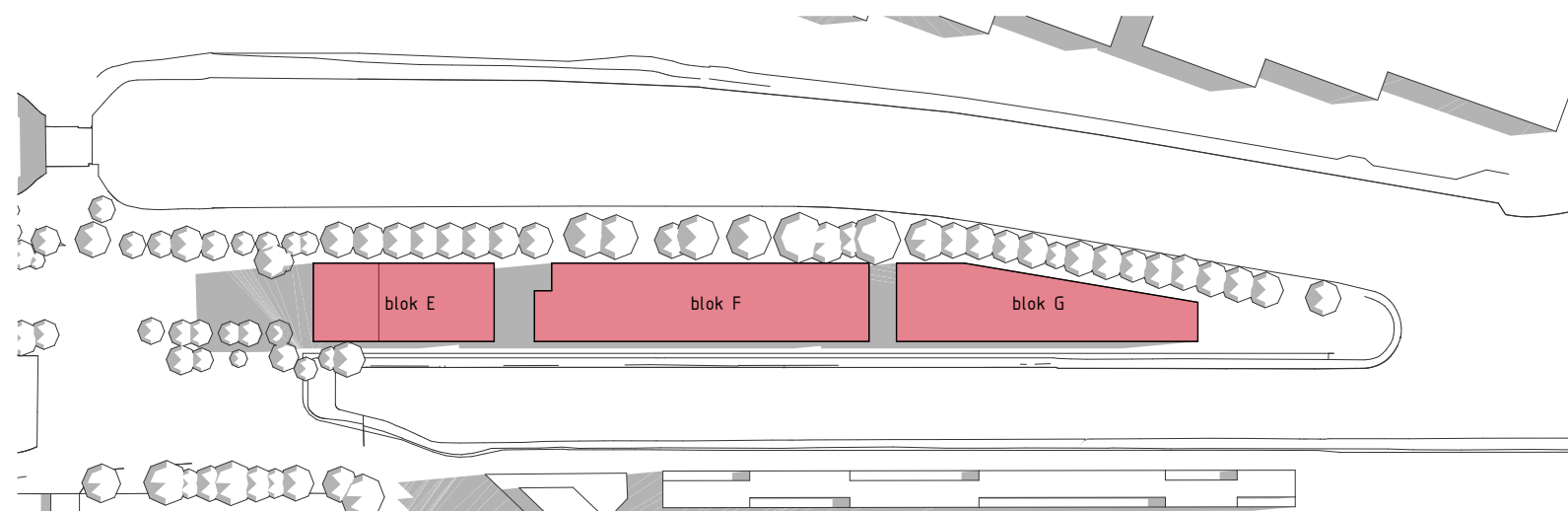
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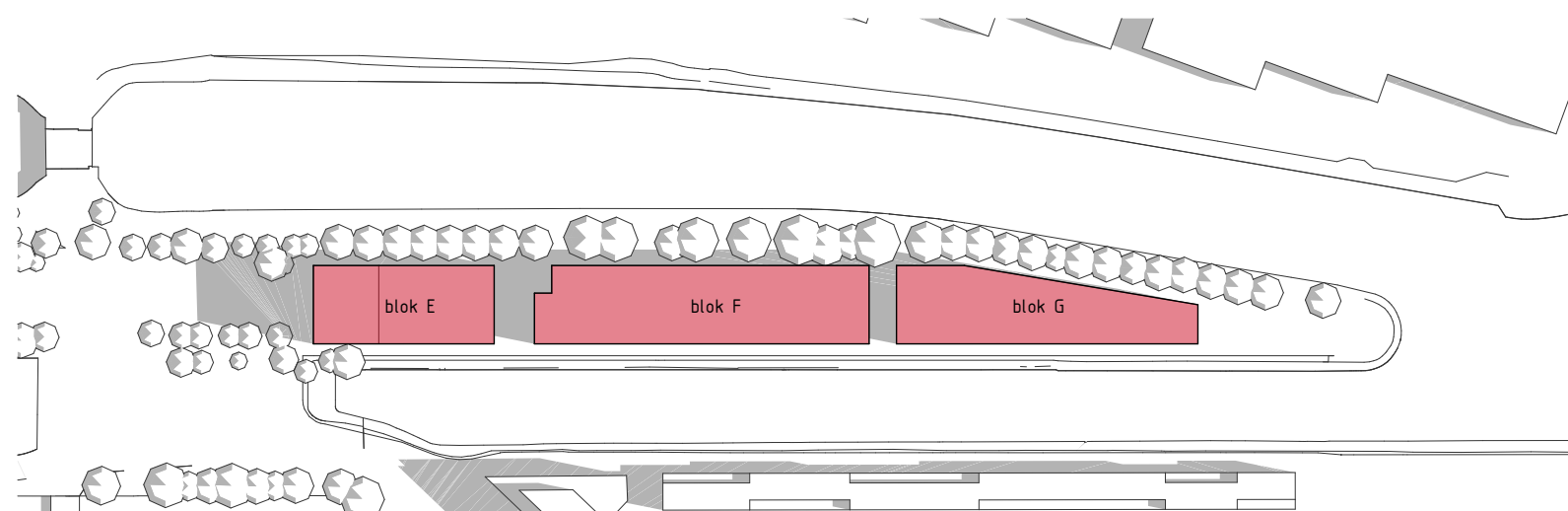
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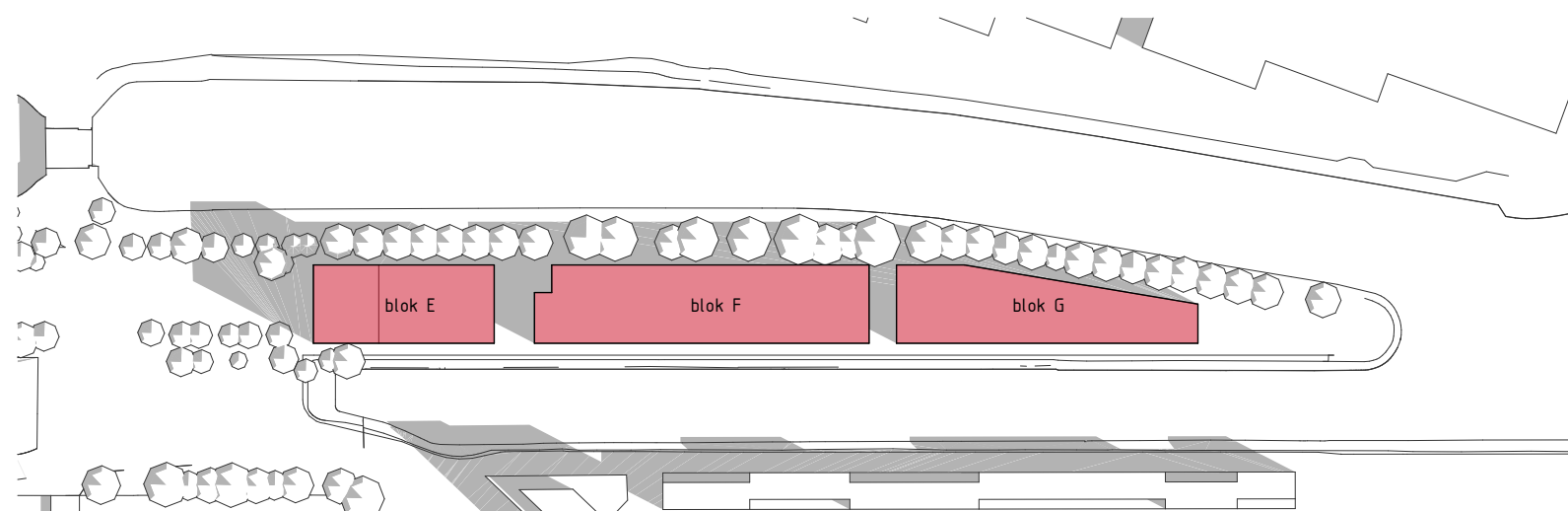
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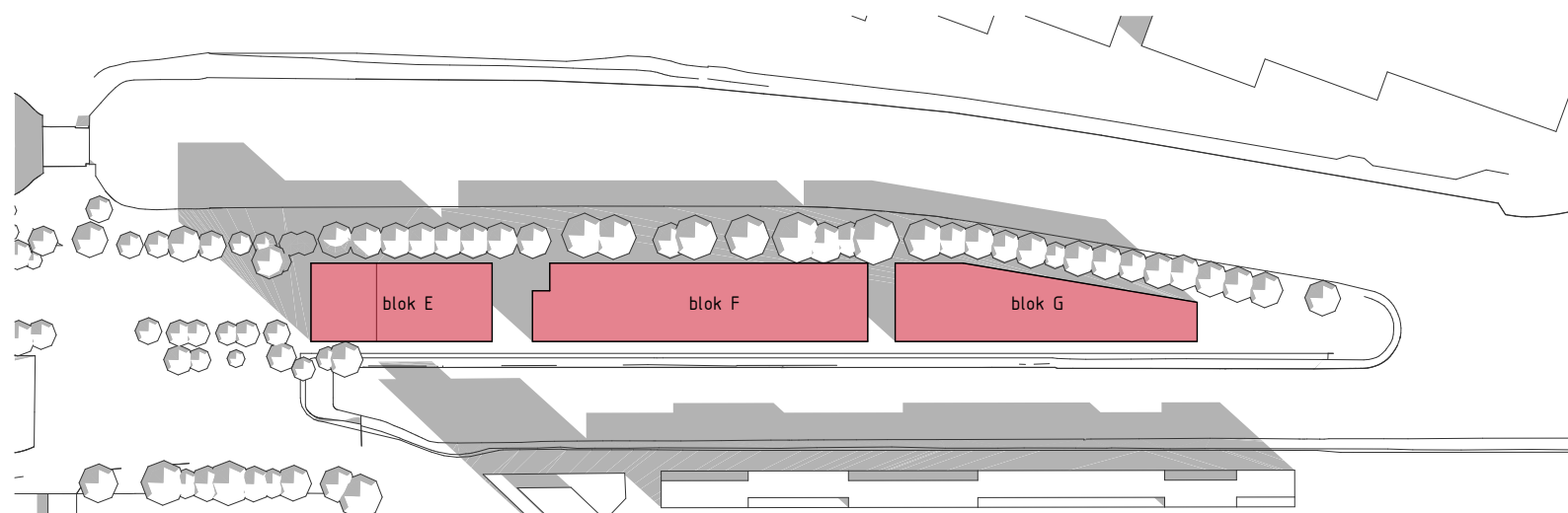
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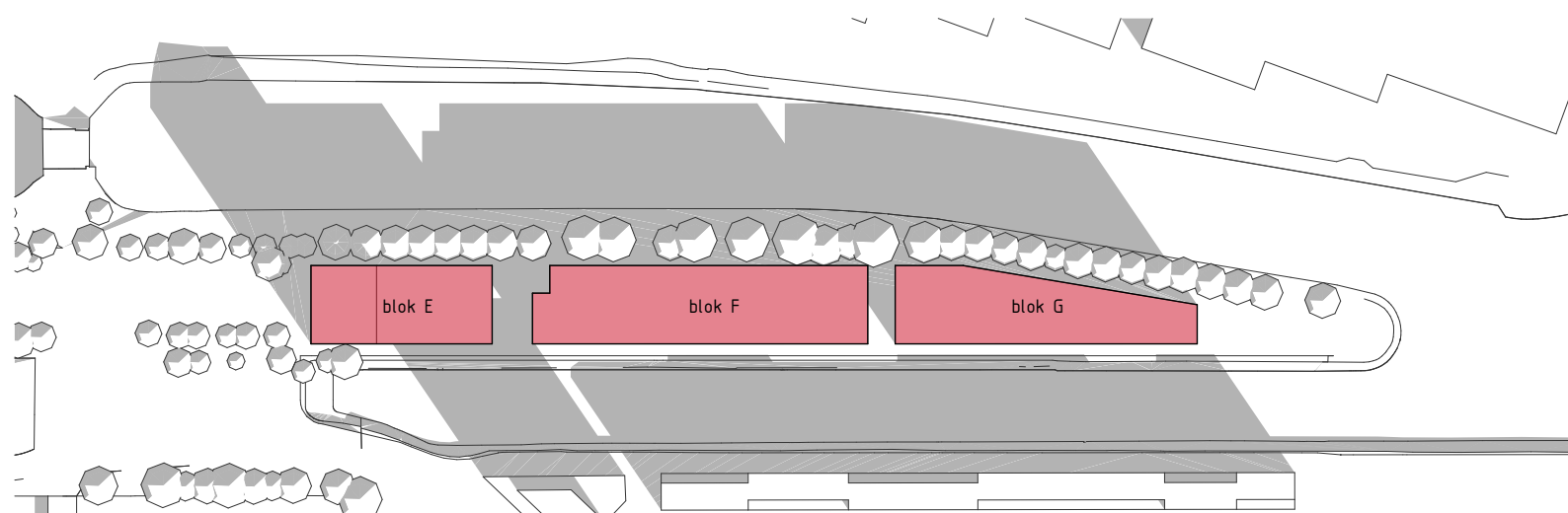
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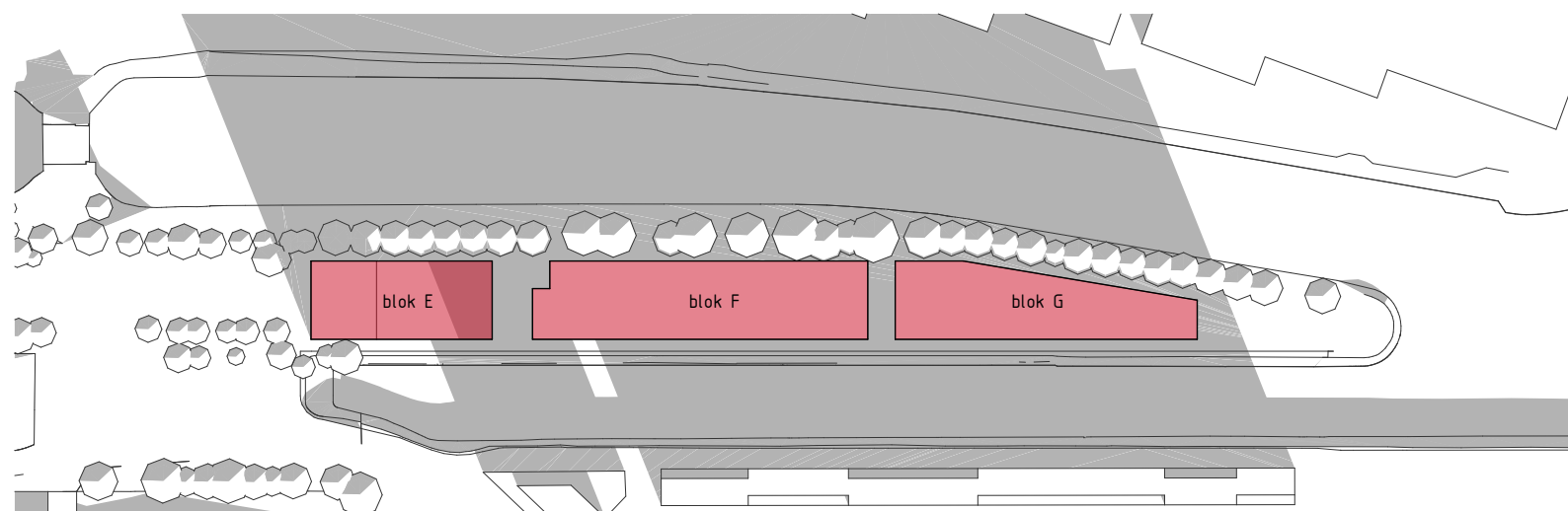
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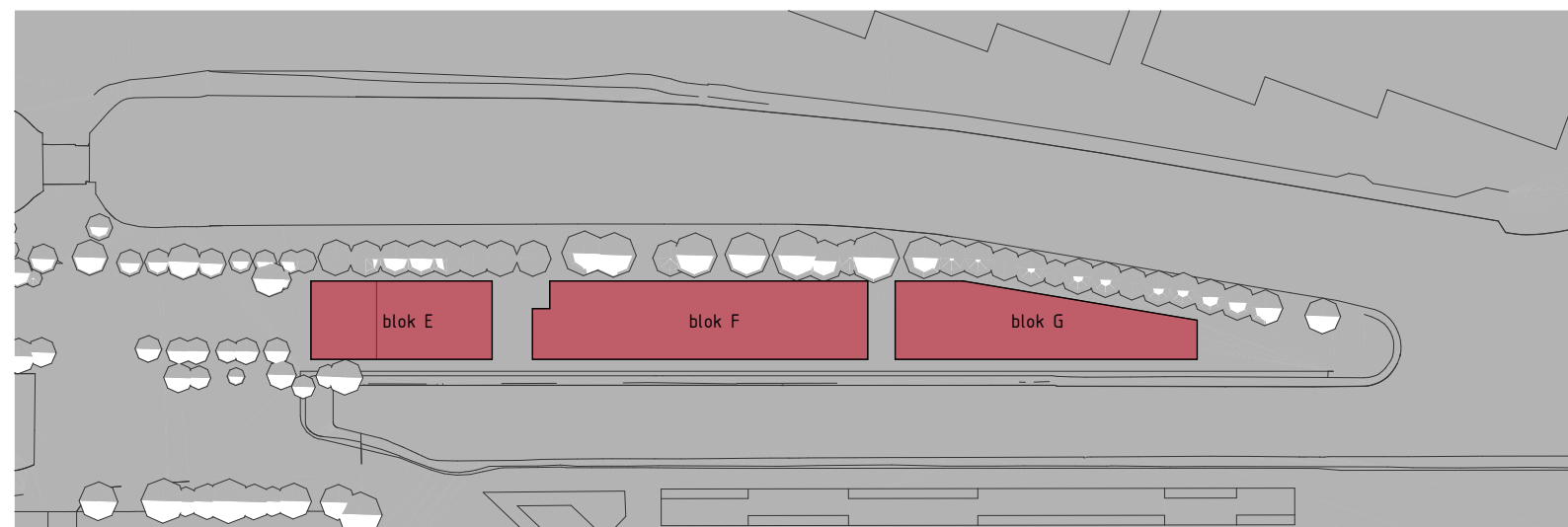
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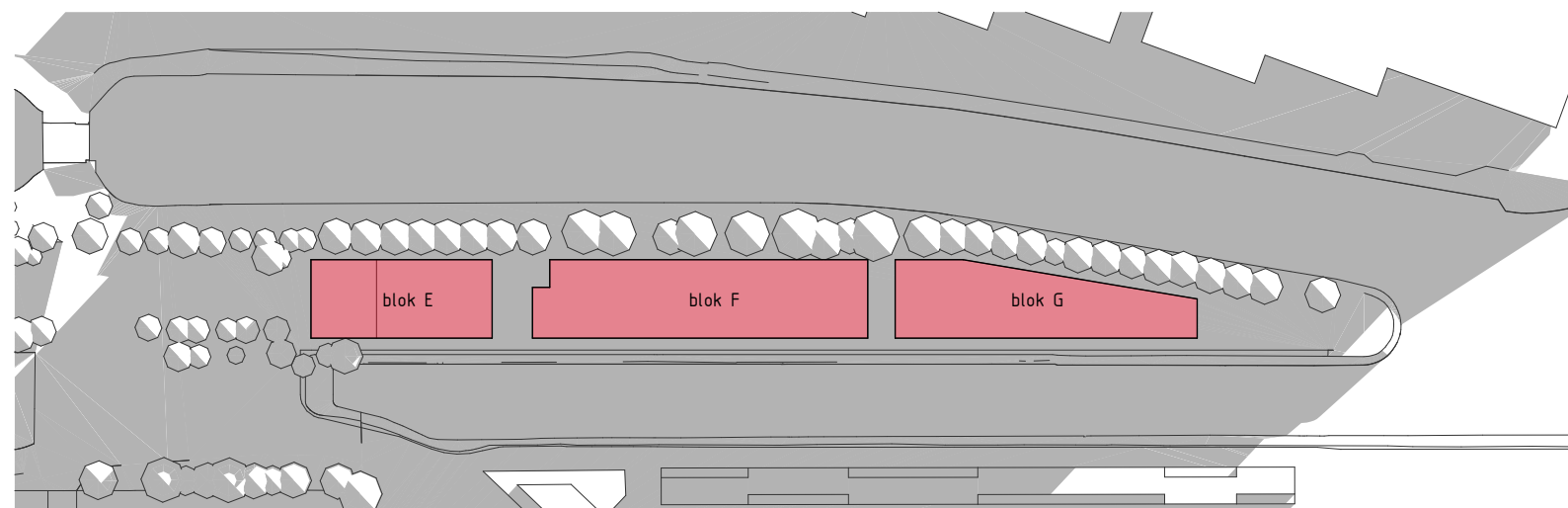
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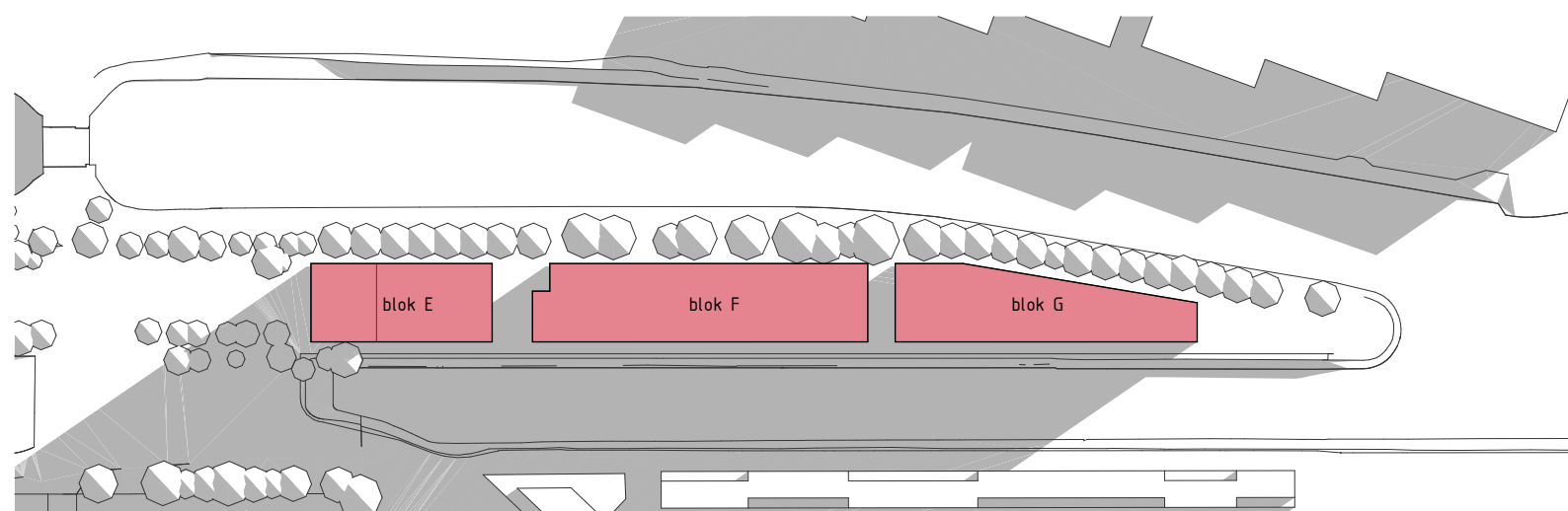
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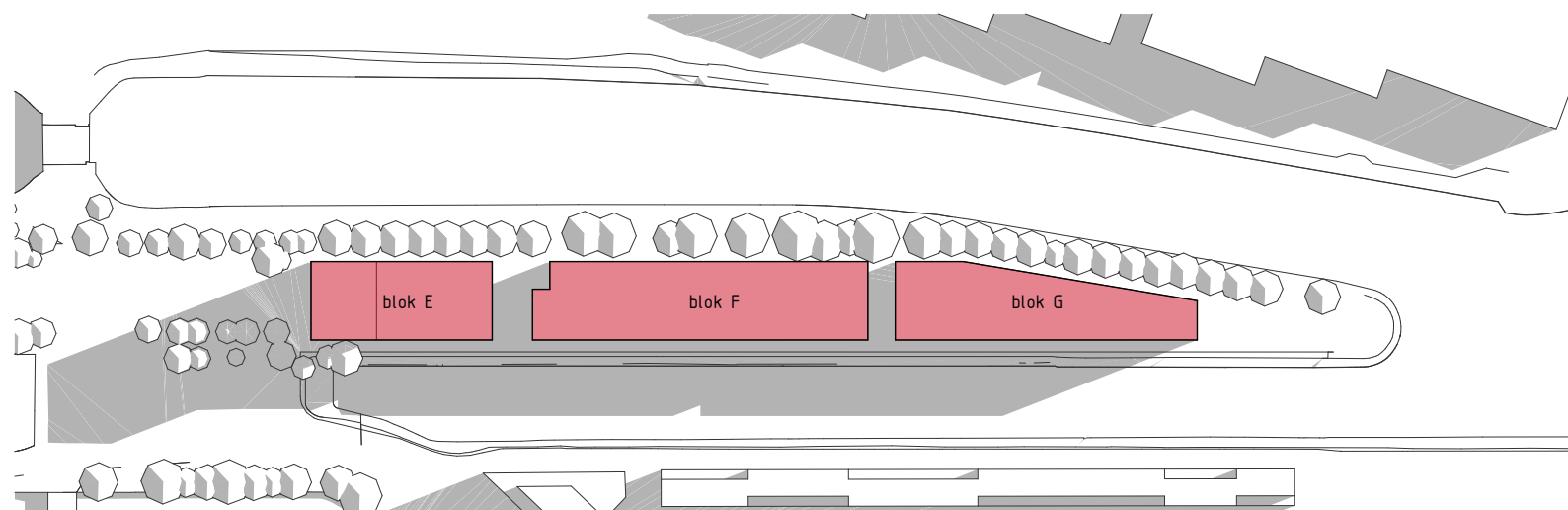
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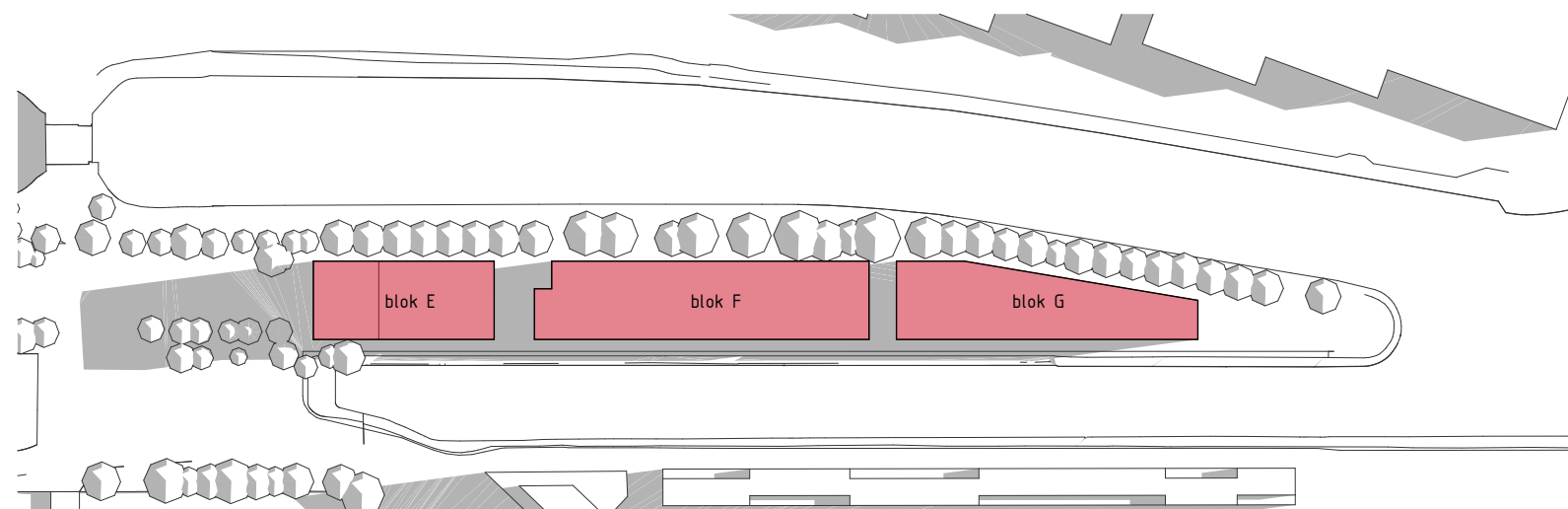
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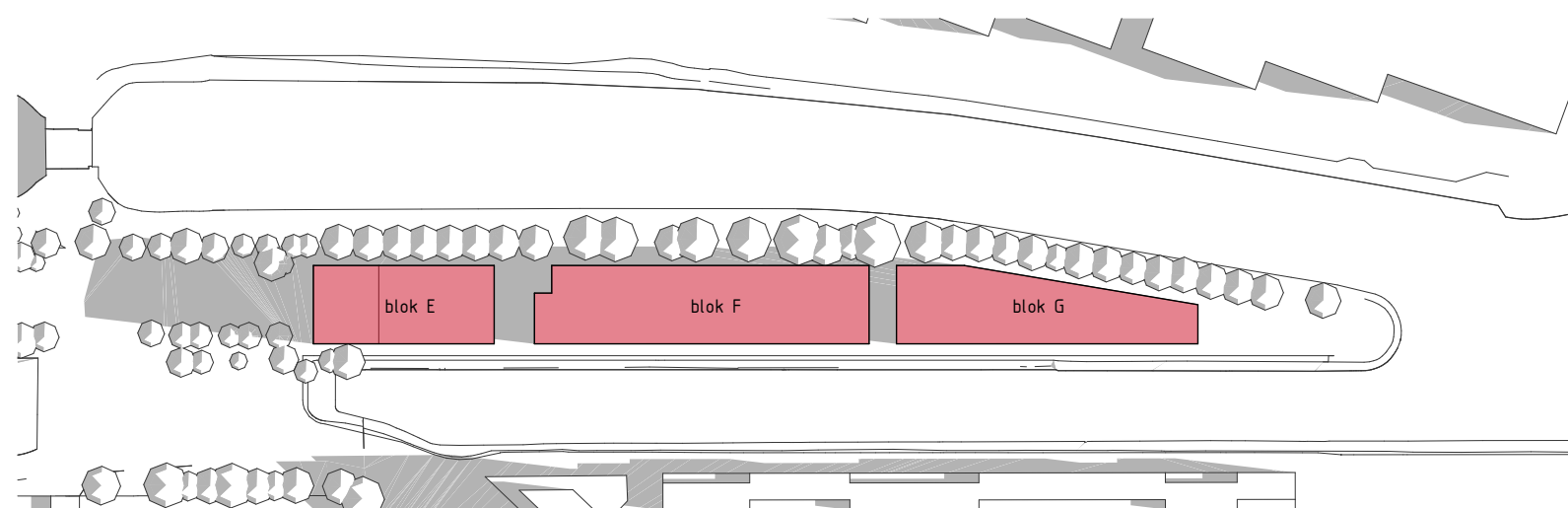
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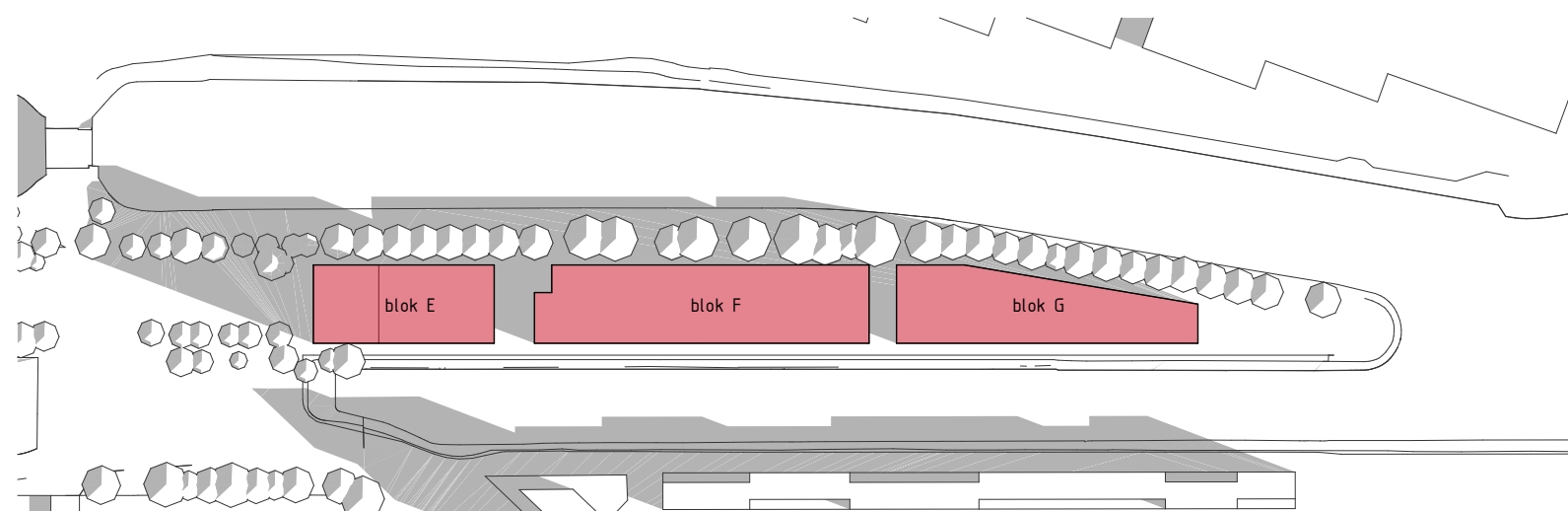
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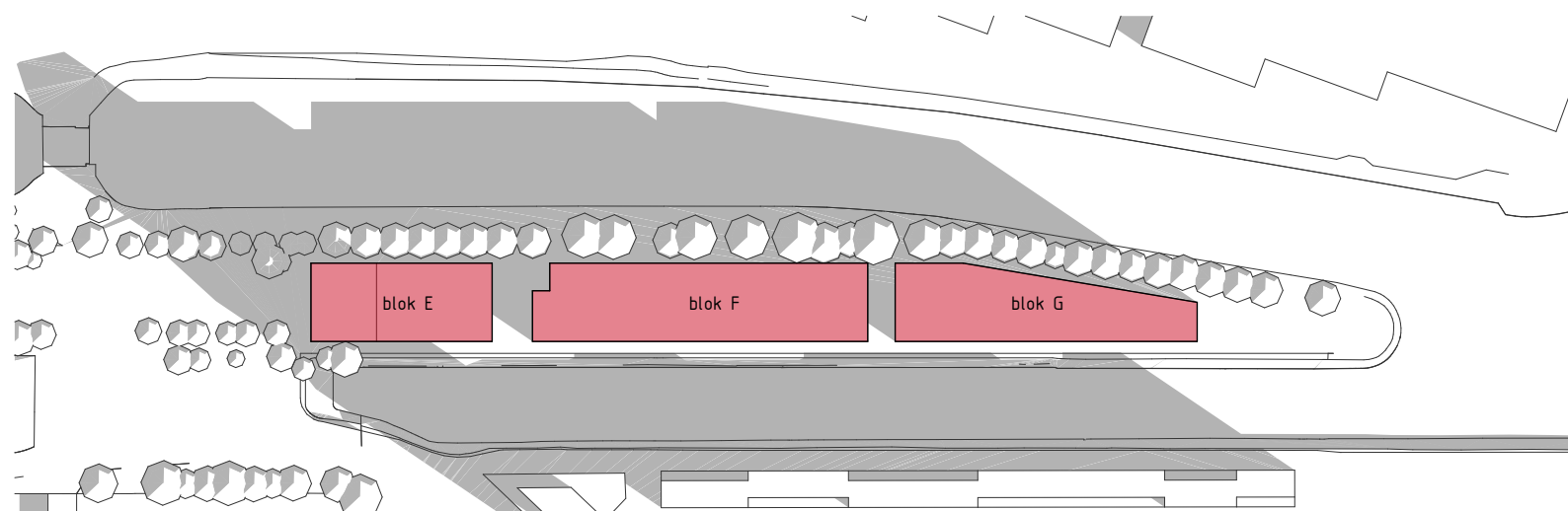
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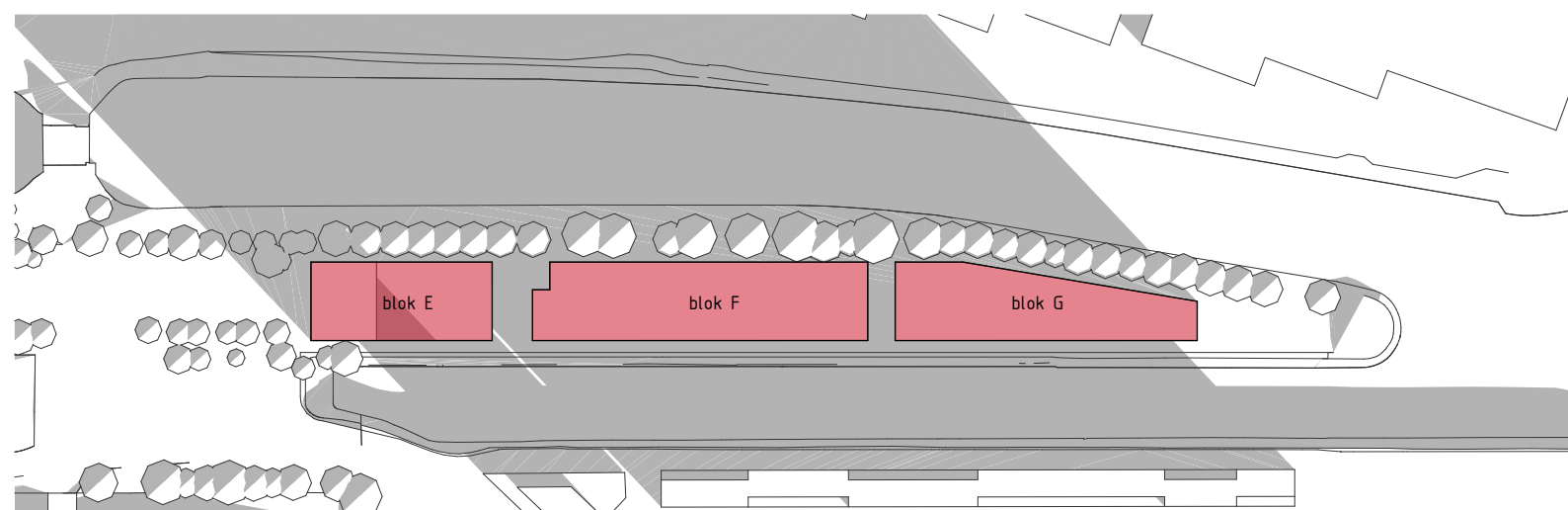
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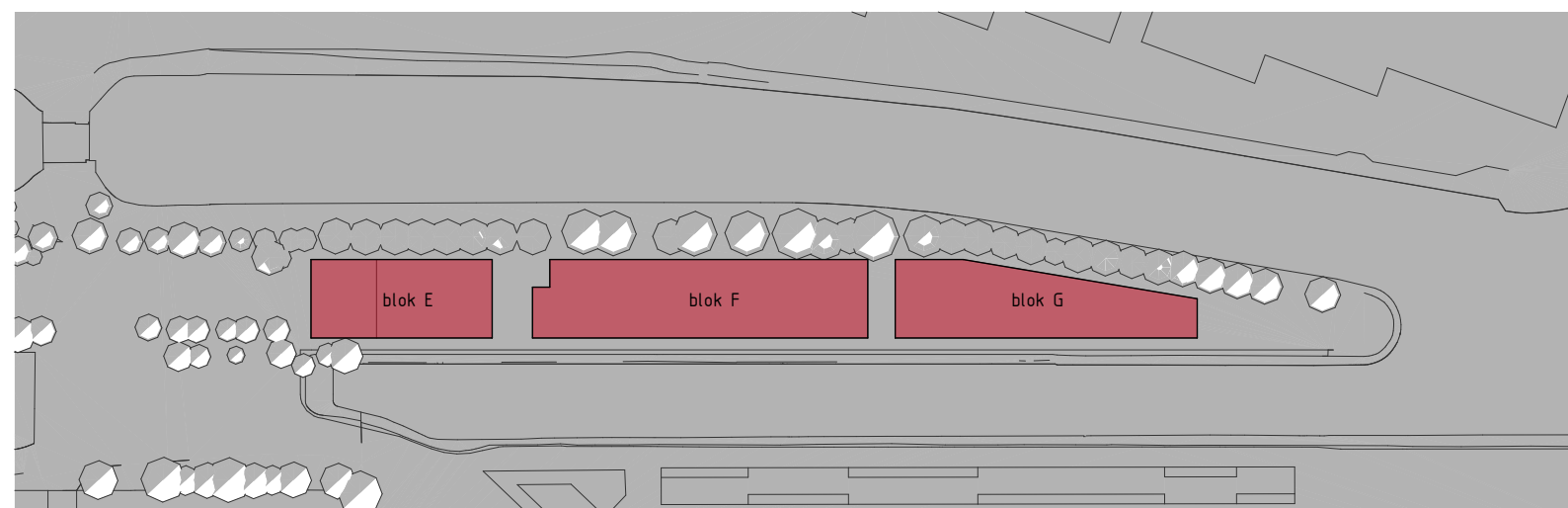
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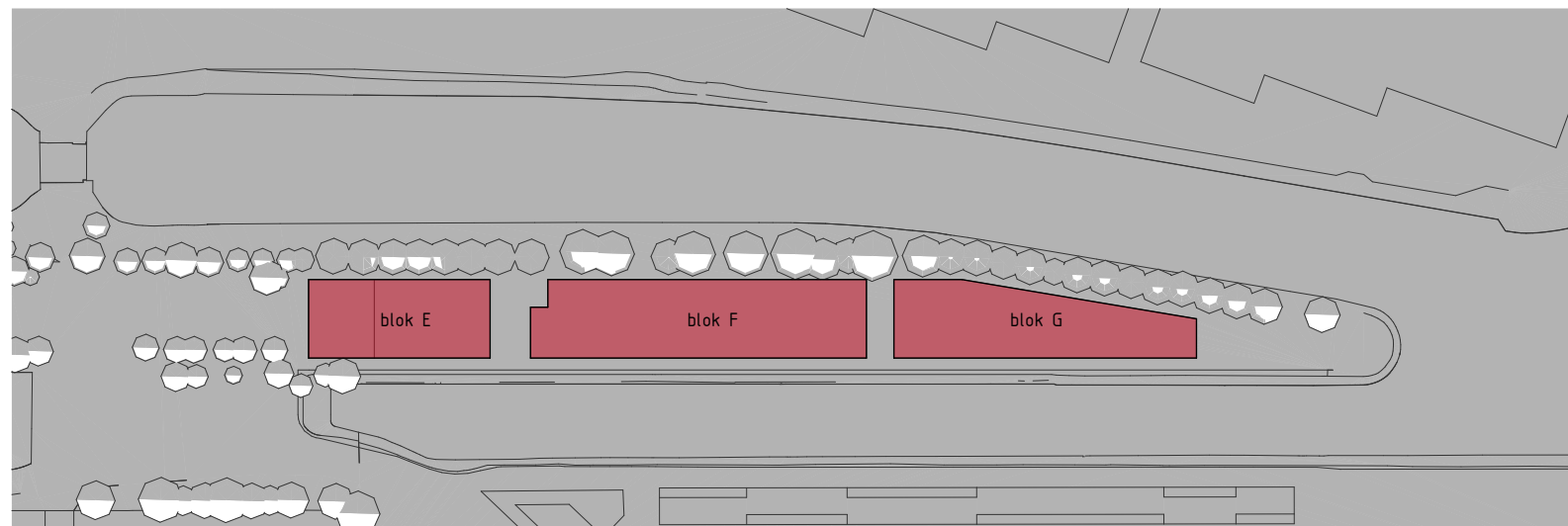
21 december 15:00



21 december 16:00



21 december 17:00



21 oktober 18:00

Conclusie

Naar aanleiding van deze studie kunnen de volgende conclusies getrokken worden:

- In deze bezonningsstudie is uitgegaan van de maximale voorgeschreven nokhoogte. Het ontwerp bestemmingsplan schrijft ook goothoogtes voor, maar deze hoogtes zijn in deze studie buiten beschouwing gelaten om goed inzicht te geven in de maximale schaduwwerking. In werkelijkheid zal de schaduw minder ver reiken.
- Over het algemeen kan gesteld worden dat de schaduwwerking op de directe omgeving buiten het eiland om te verwaarlozen is, aangezien de meeste schaduw op het omliggende water zal vallen.
- Het dijkhuis op Zomerdijk 23 krijgt schaduw van het voorgestelde appartementenblok op Noord. Dit zal voornamelijk in de ochtend (tot +/- 10.00) in het voorjaar en het najaar plaatsvinden. Aanvullend op deze conclusie is aan te dragen dat er op dit moment een aantal hoge bomen op de plek van het appartementenblok staan die ook al schaduw werpen (zie afbeelding).
- Één van de drie woningen in het voormalig Sluiswachterhuis (adres: Sluiseiland 12) zal in het voor- en najaar schaduw krijgen van de nieuwbouw, maar dan voornamelijk in de tuin.
- Wat niet meetelt volgens de norm, maar wat wel meespeelt, is dat er veel bomen op het eiland staan die ook schaduw werpen; dit is nu niet meegenomen in deze studie.



Zomerdijk 23

werknnummer
1720

opdrachtgever
Smit's Bouwbedrijf

werk
Sluiseiland
Vianen

stadium
VO

onderwerp tekening
Bezonningsstudie
Sluiseiland Vianen

schaal
1:2500

formaat
A3

getekend
PvtH

datum
11-09-2018

gewijzigd

tekeningnummer
149