

van Egmond, *architecten*

project:
Appartementen te Amstelveen
voor NEOO shaping developments

onderwerp:
bezonningsstudie

werknummer:
19118

datum:
26 juli 2022

Bezonningsstudie

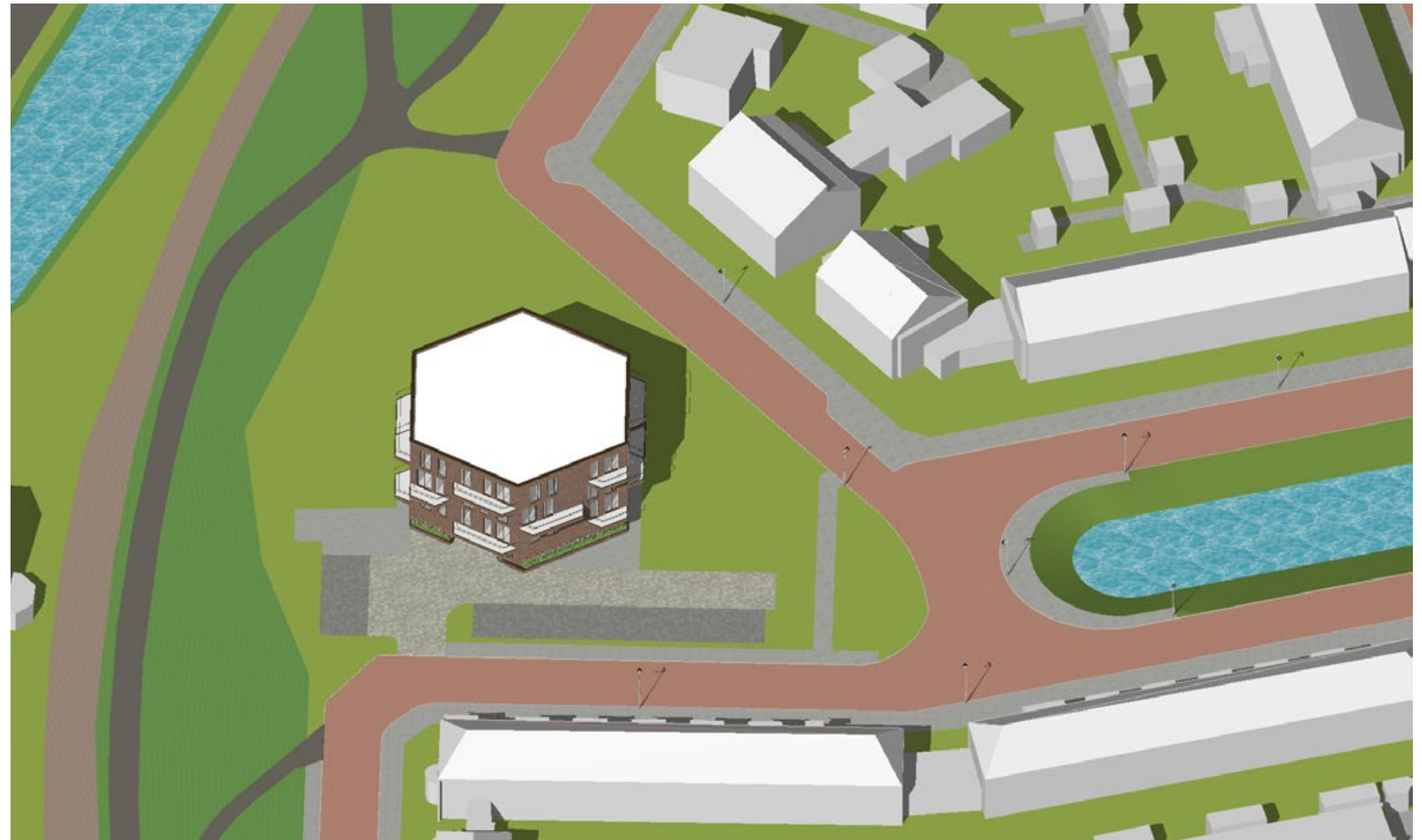
Voor de nieuwe bebouwing aan de Charlotte van Montpensierlaan 2a is voortliggende bezonningsstudie gemaakt.

De bezonningsstudie is opgezet volgens de 'strengere' TNO norm.

De 'strengere' TNO-norm: ten minste 3 mogelijke bezonningsuren per dag in de periode 21 januari – 22 november (gedurende 10 maanden) in midden vensterbank binnenkant raam. Daarbij is het geen vereiste dat de bezonning aansluitend plaatsvindt.

Voor de onderstaande maatgevende dagen is de schaduwwerking bepaald:

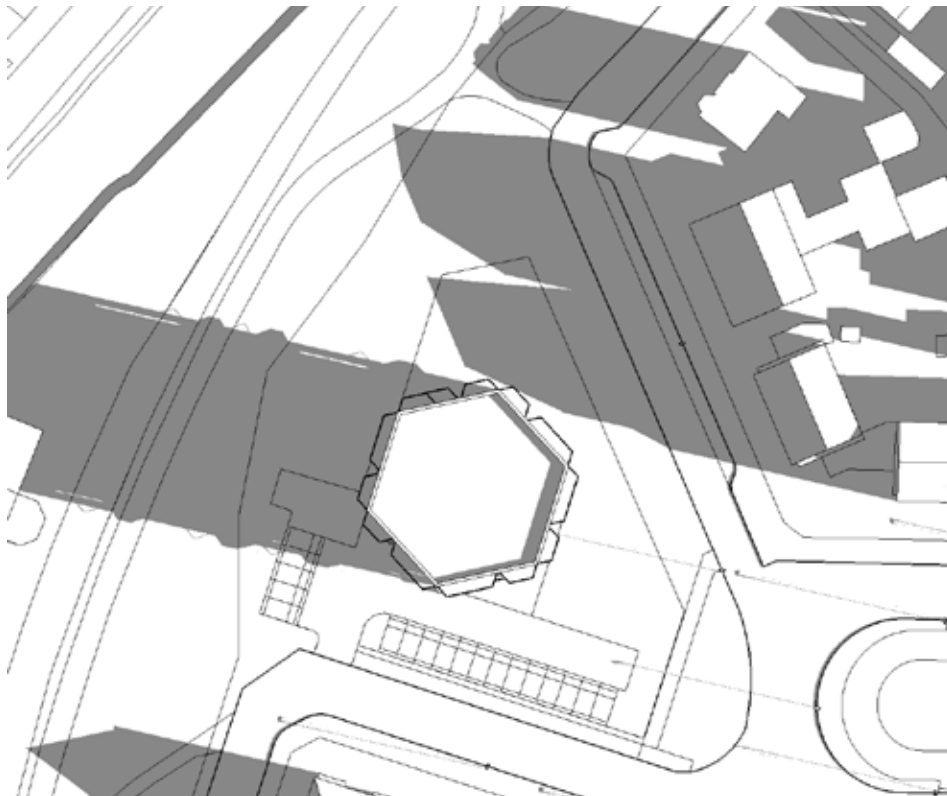
- 21 maart
- 21 juni
- 23 september
- 22 december



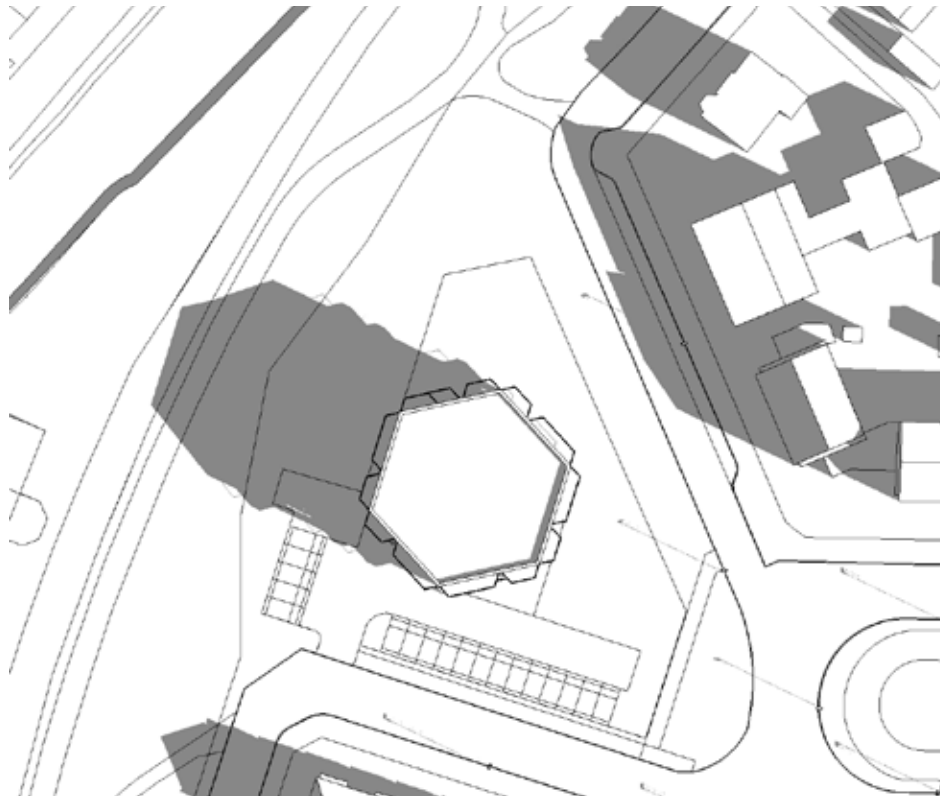
21 maart

zonsopgang: 6.41u
zonsondergang: 18.55u

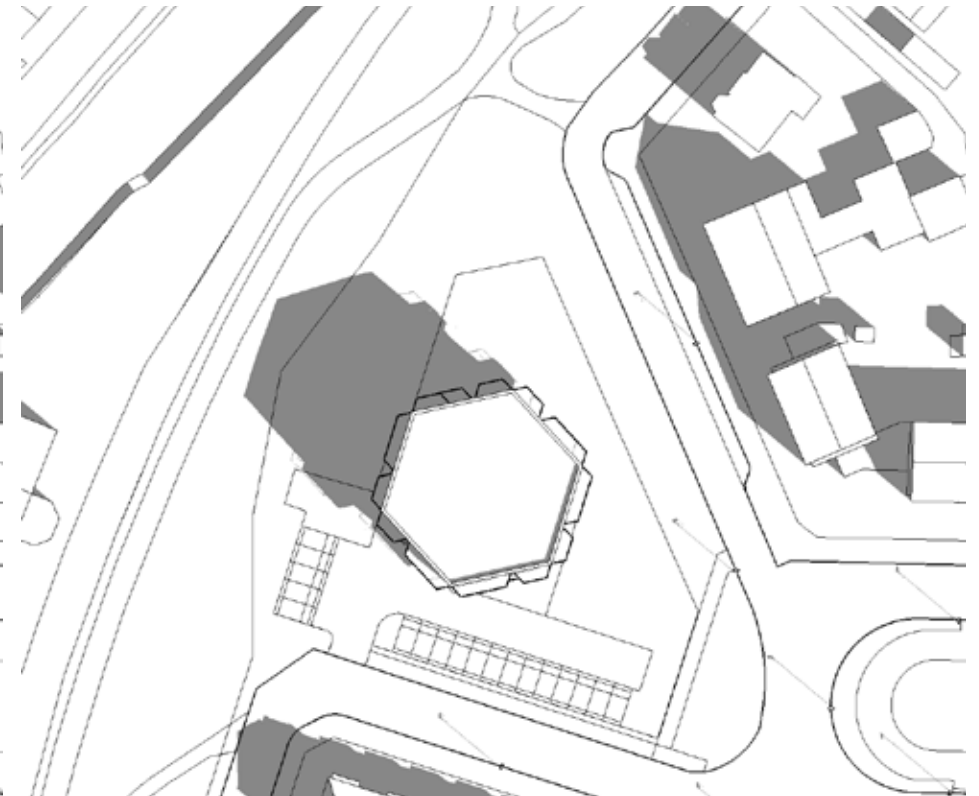
21 maart



08:00



09:00



10:00



11:00



12:00



13:00



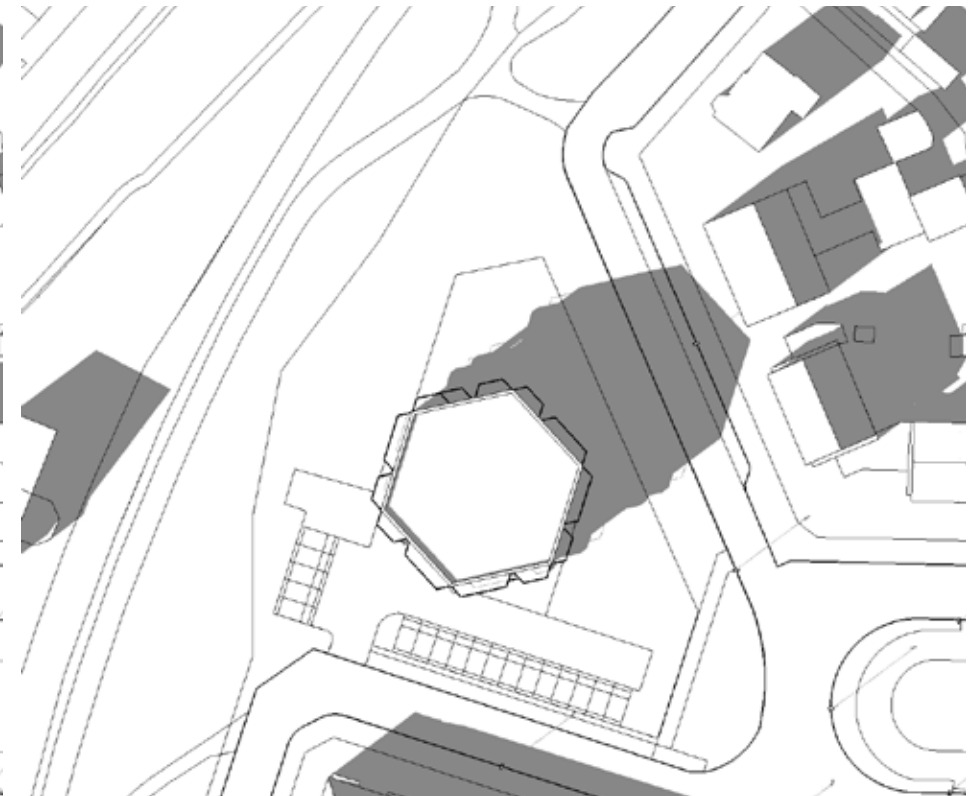
21 maart



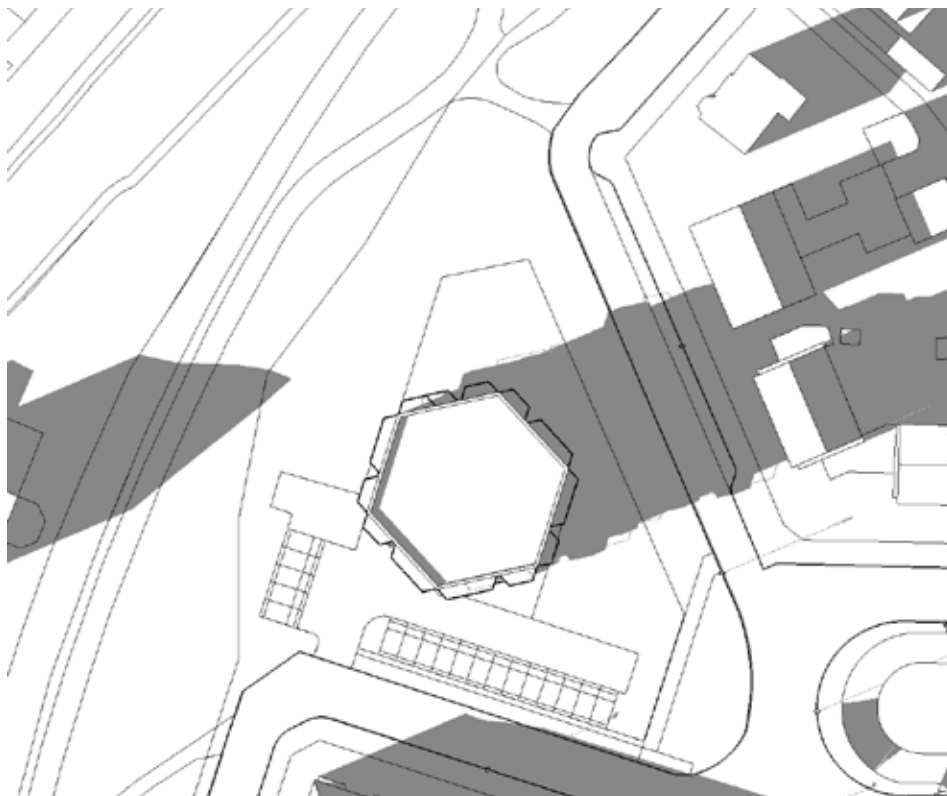
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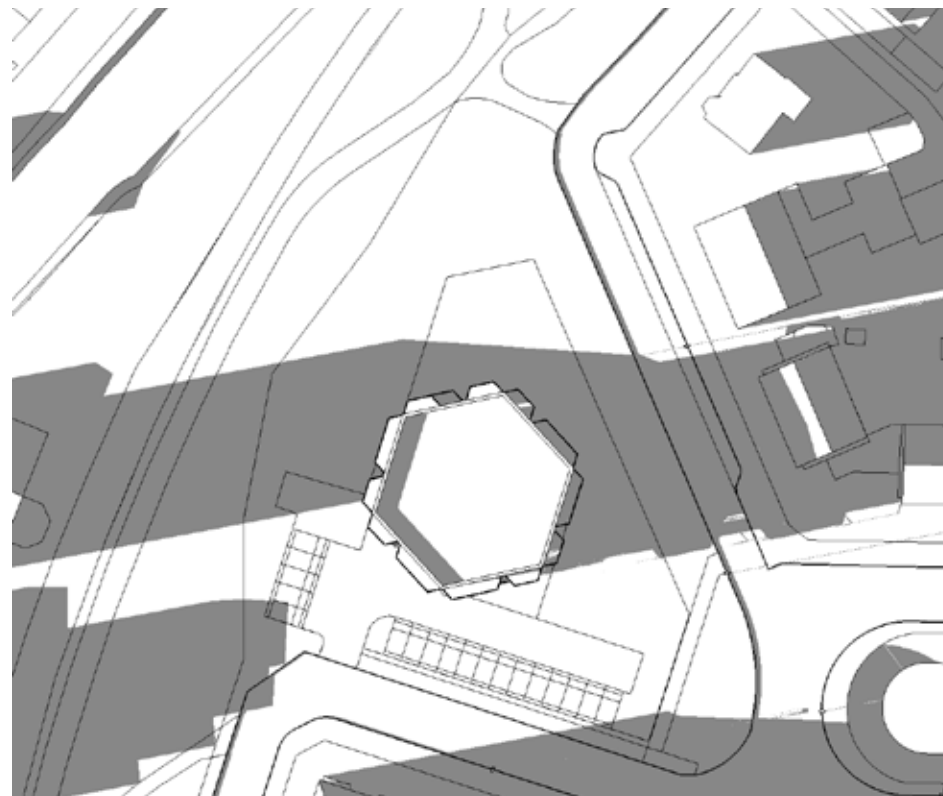
15:00



16:00



17:00



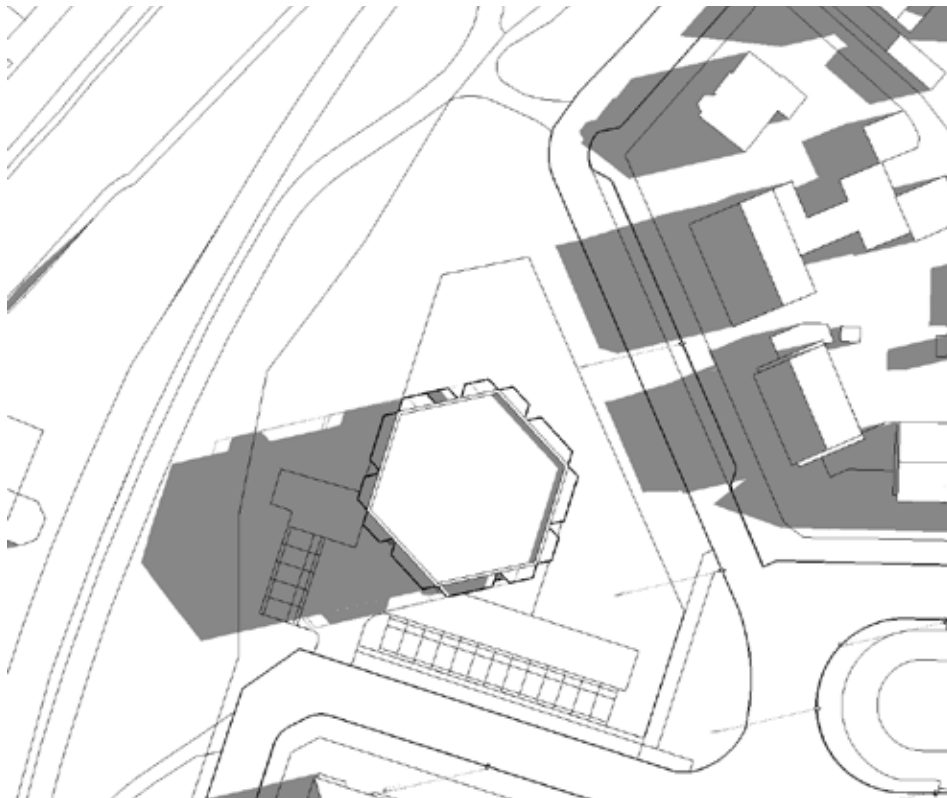
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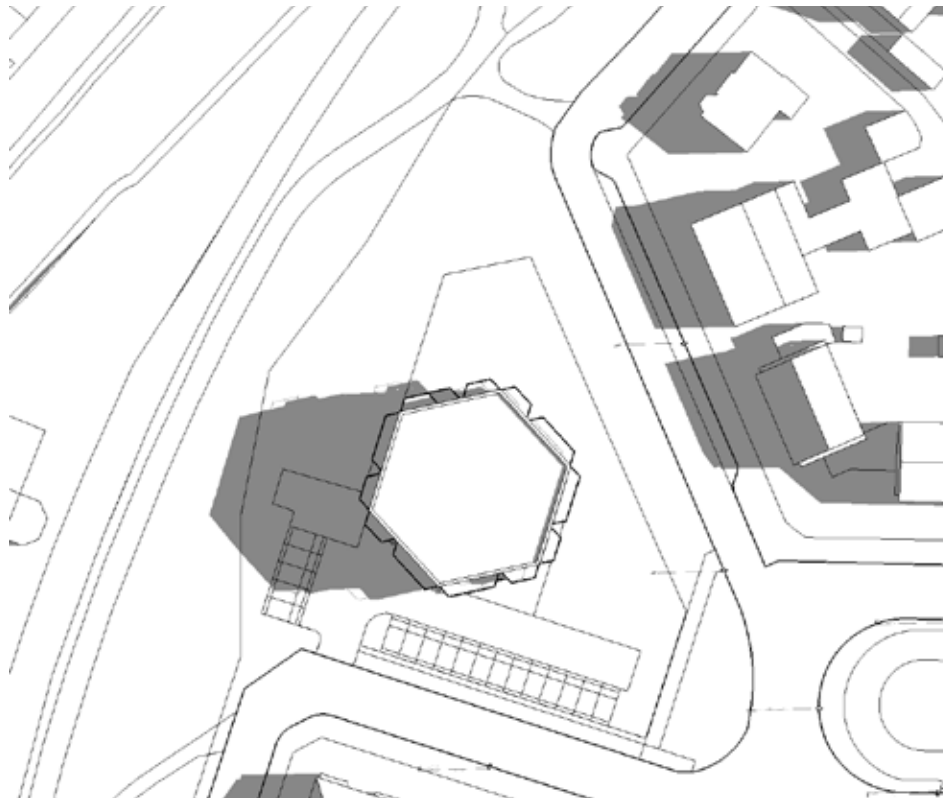
21 juni

zonsopgang: 5.20u
zonsondergang: 22.04u

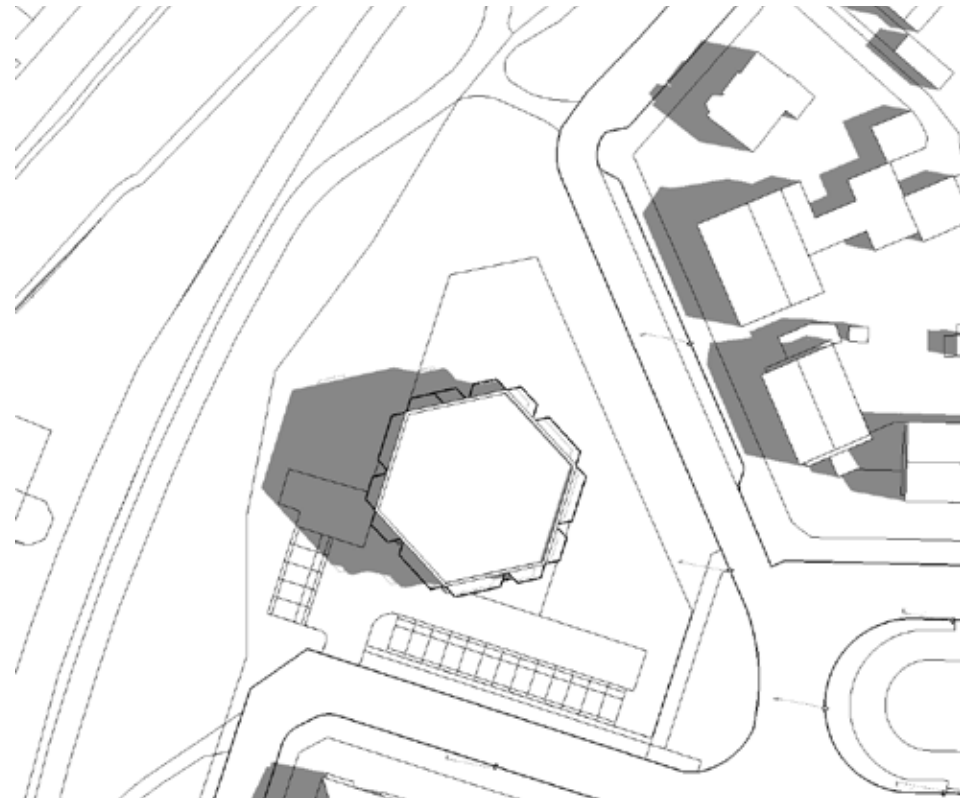
21 juni



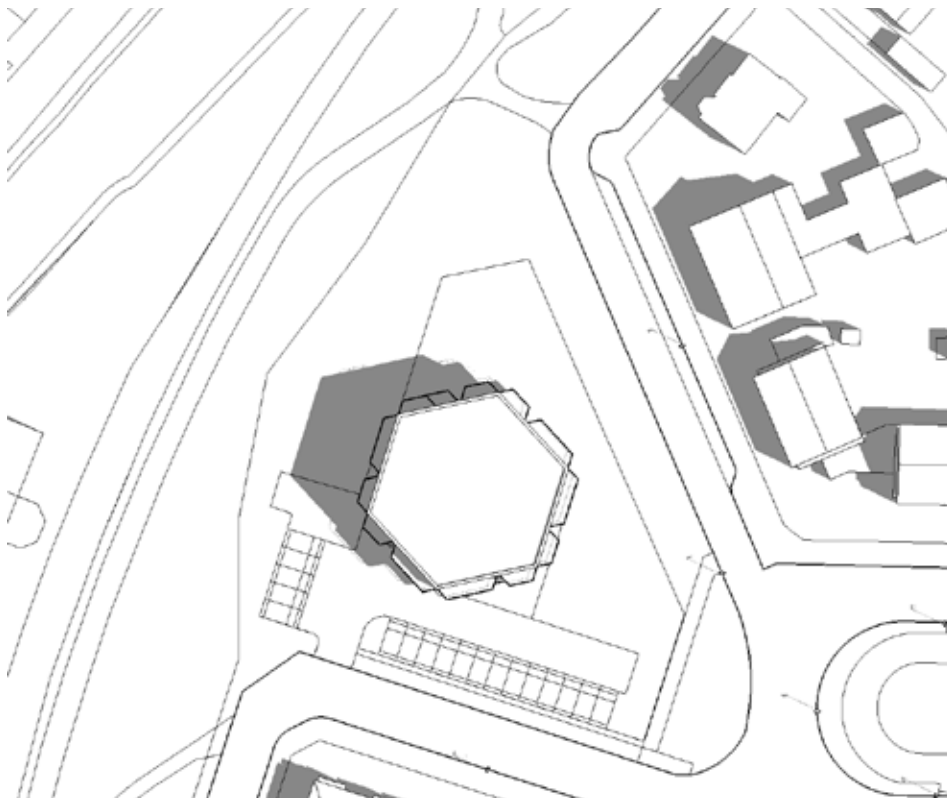
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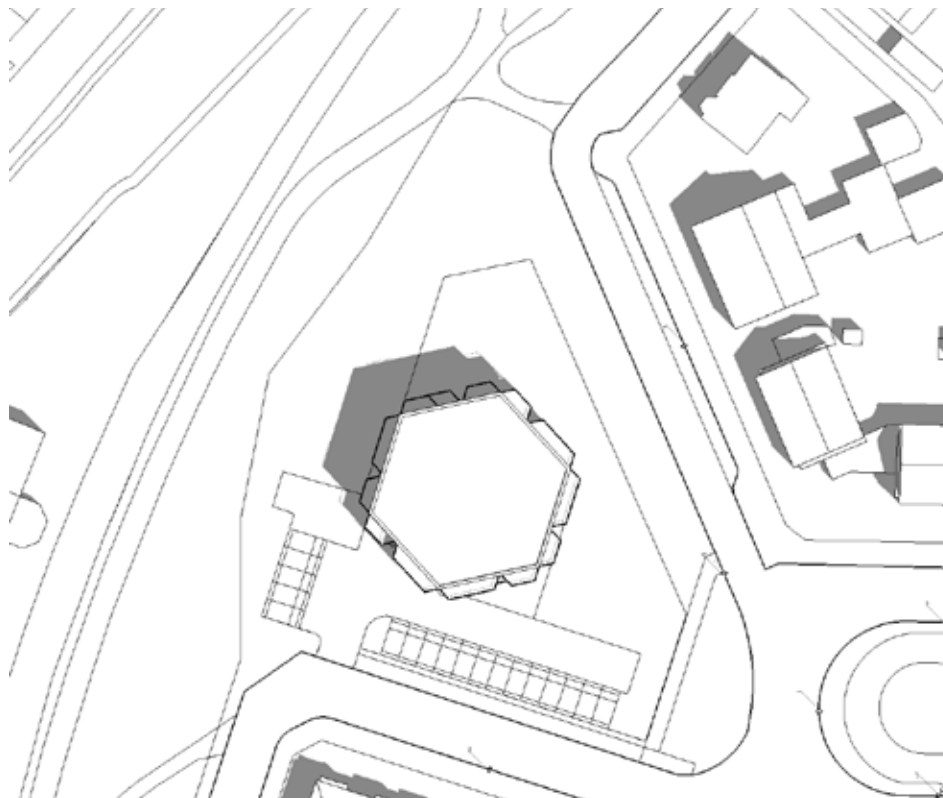
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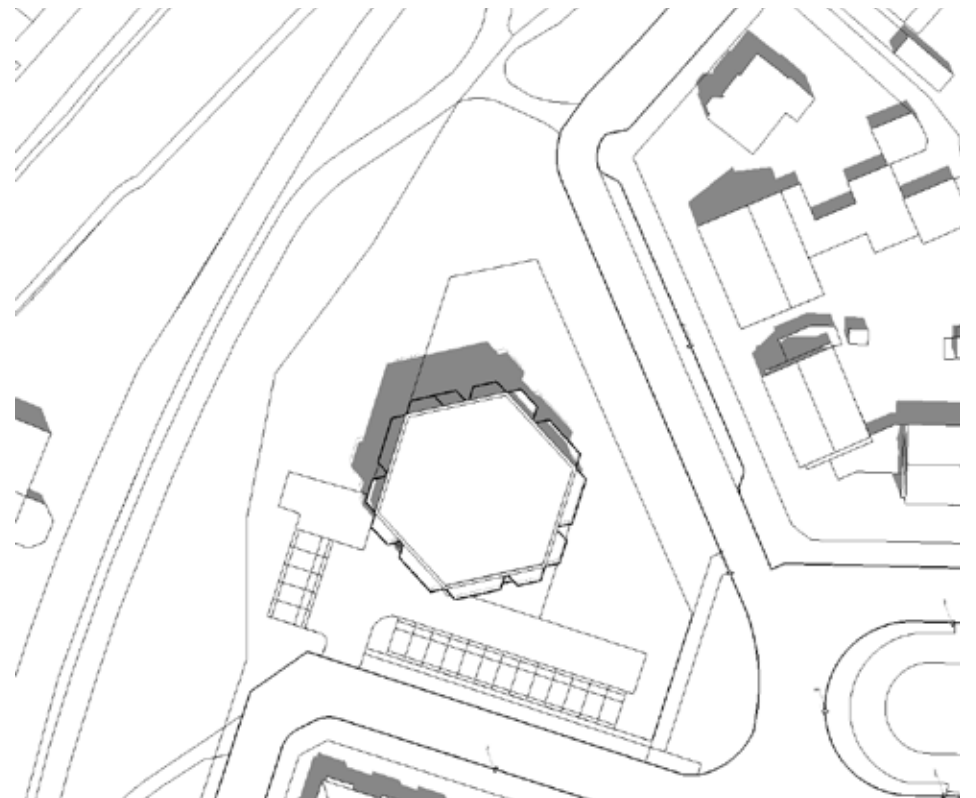
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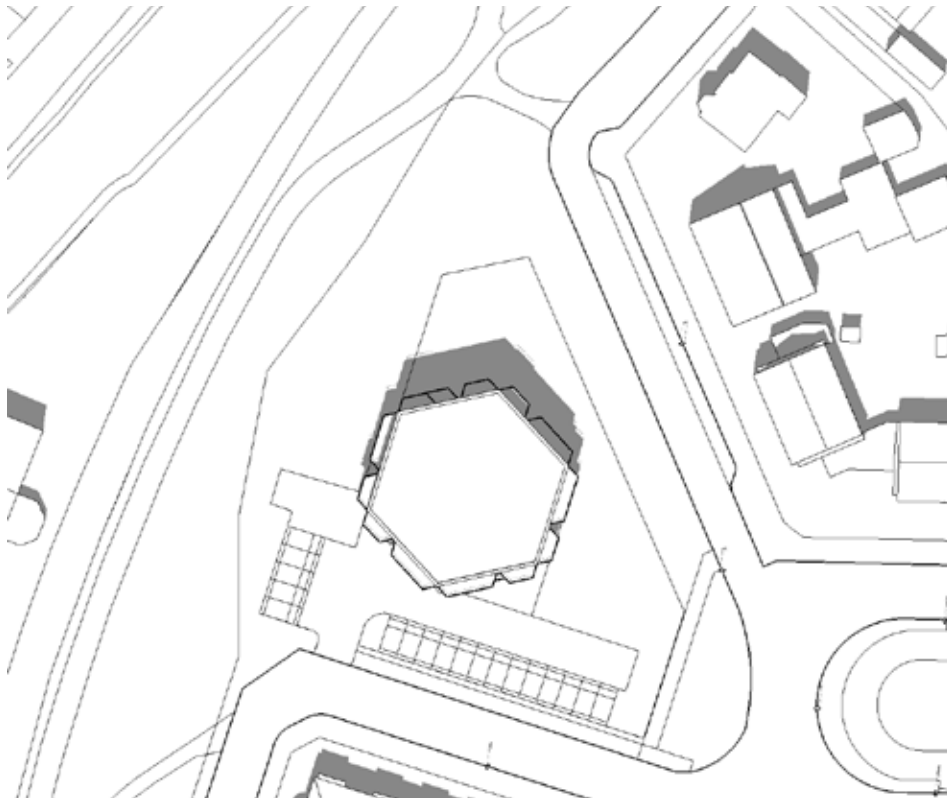
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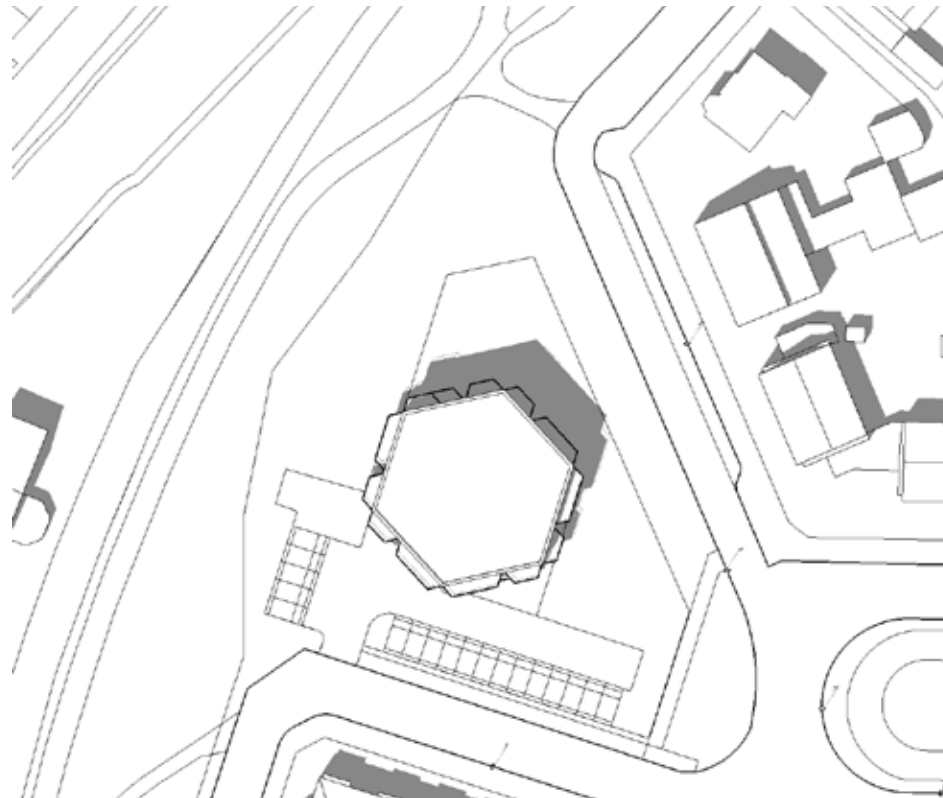
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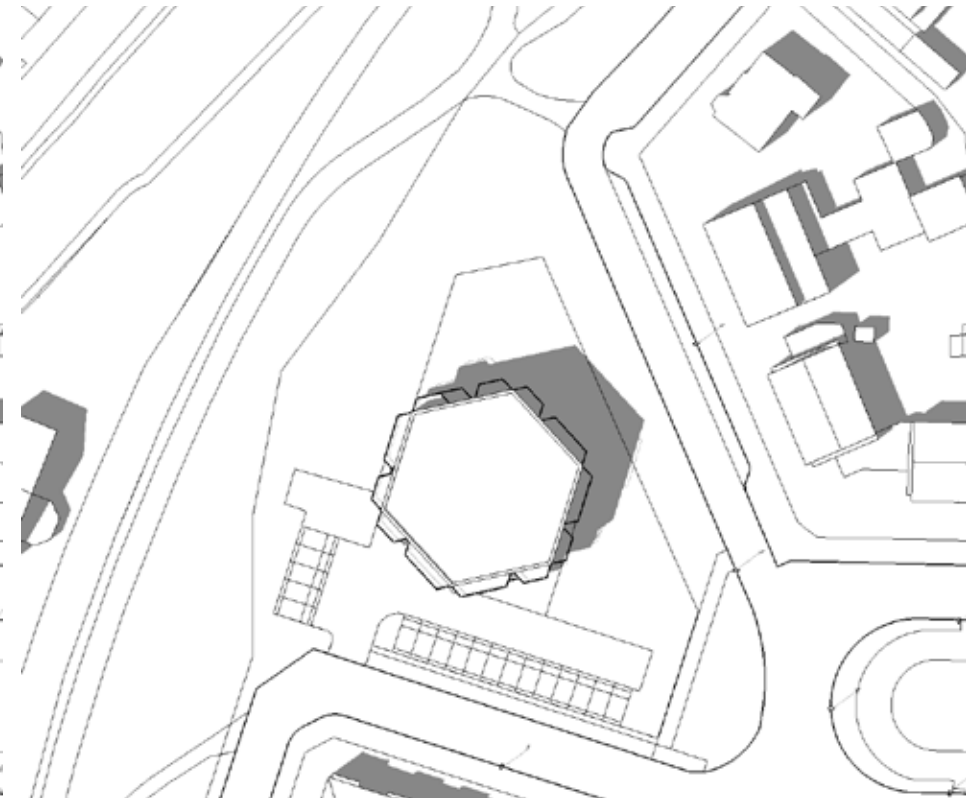
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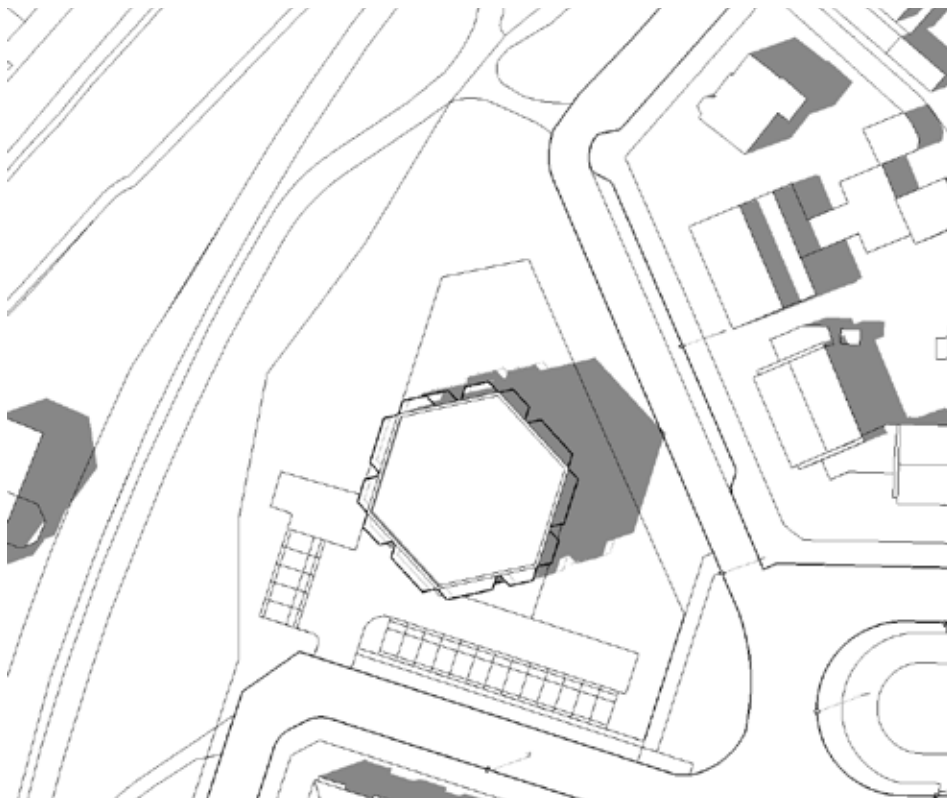
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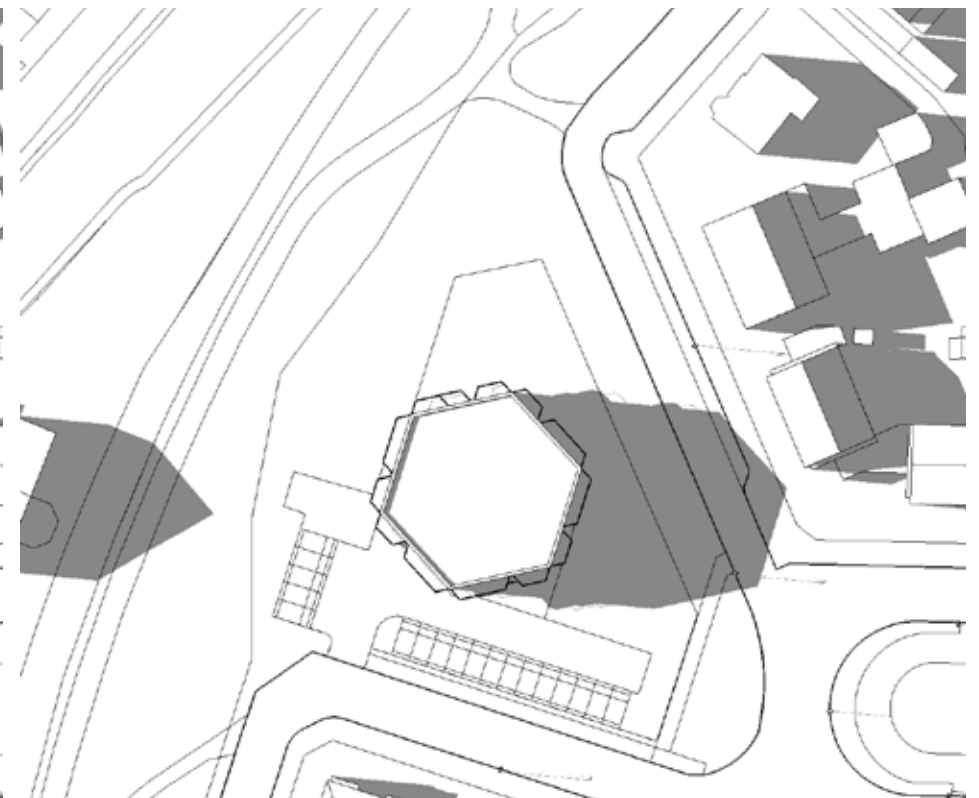
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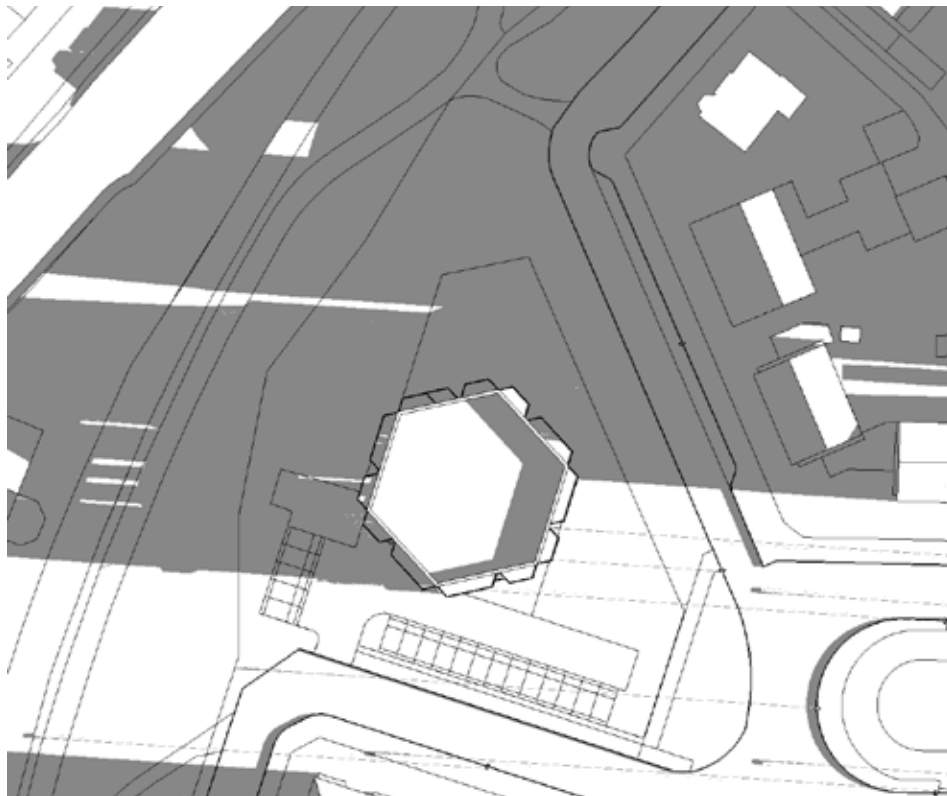
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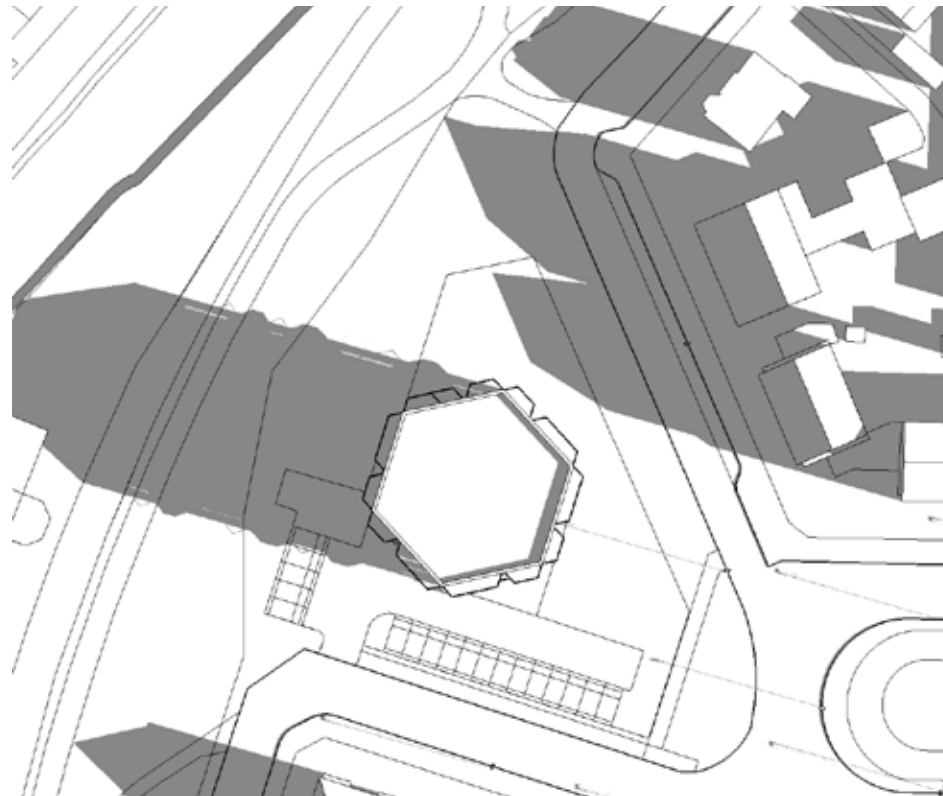
23 september

zonsopgang: 7.27u
zonsondergang: 19.36u

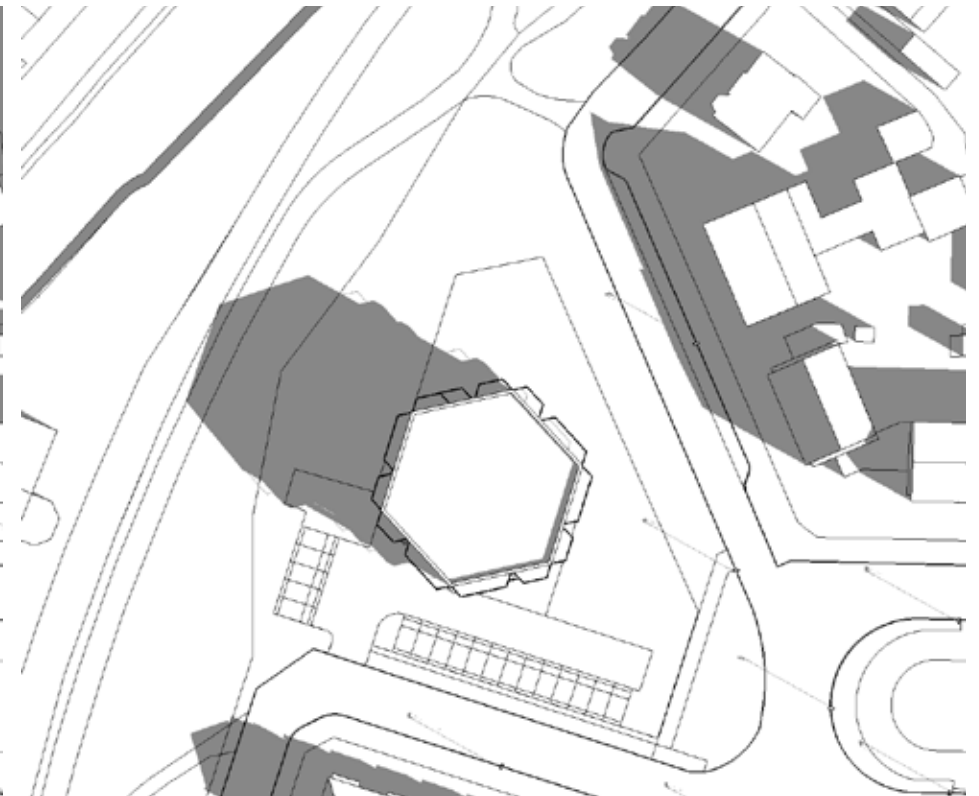
23 september



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23 september



14:00



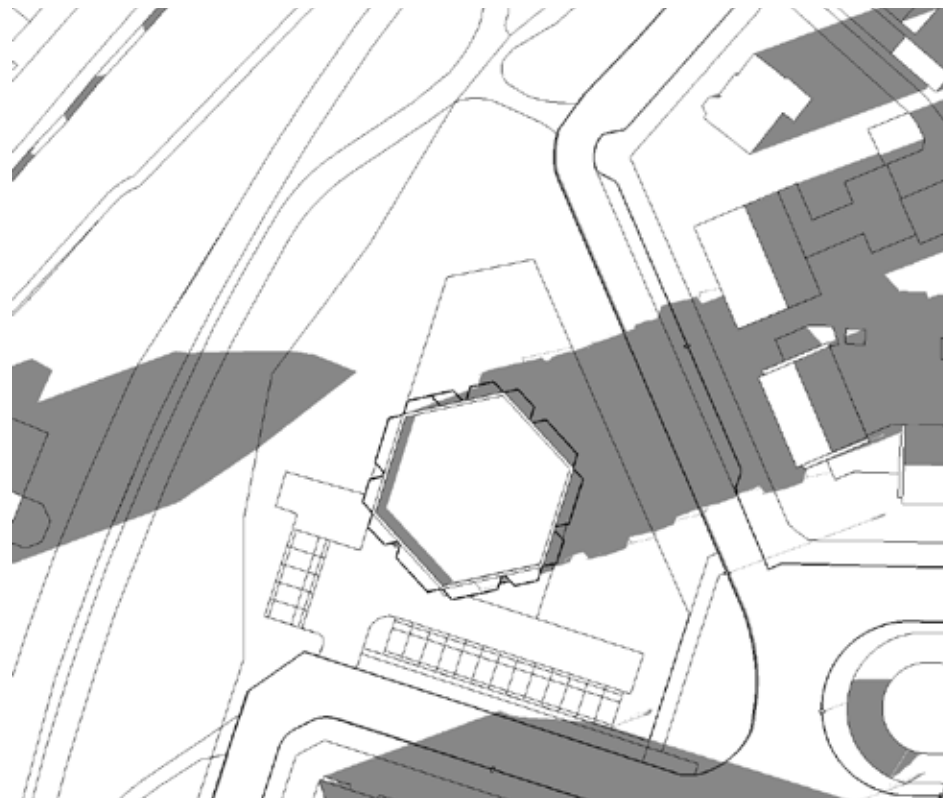
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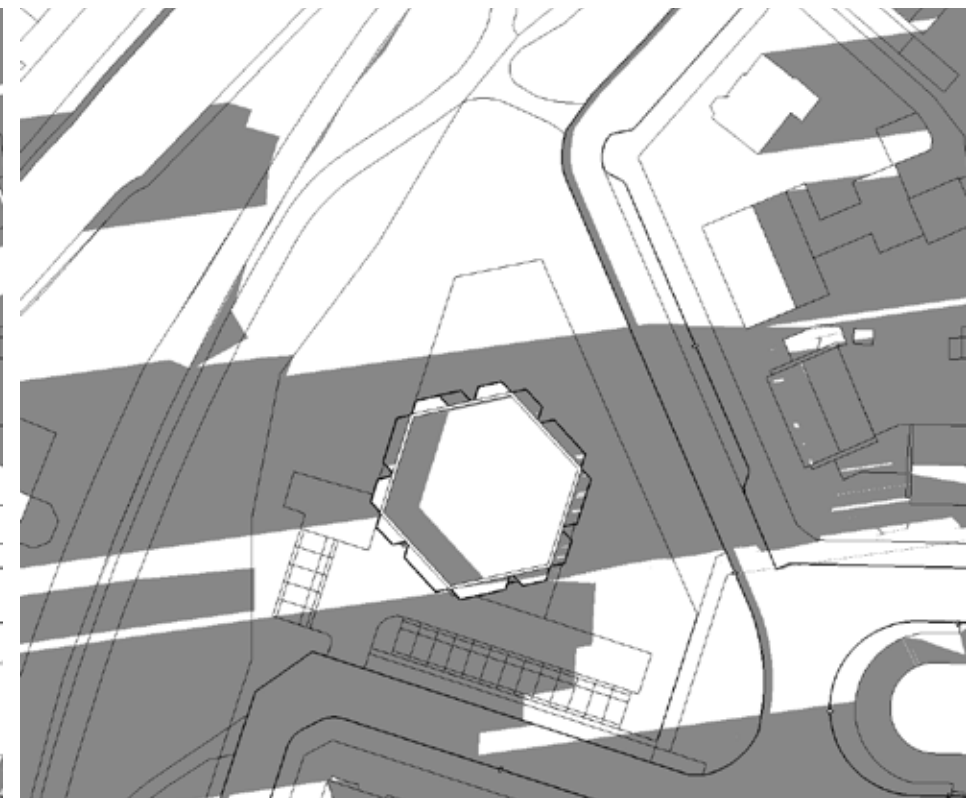
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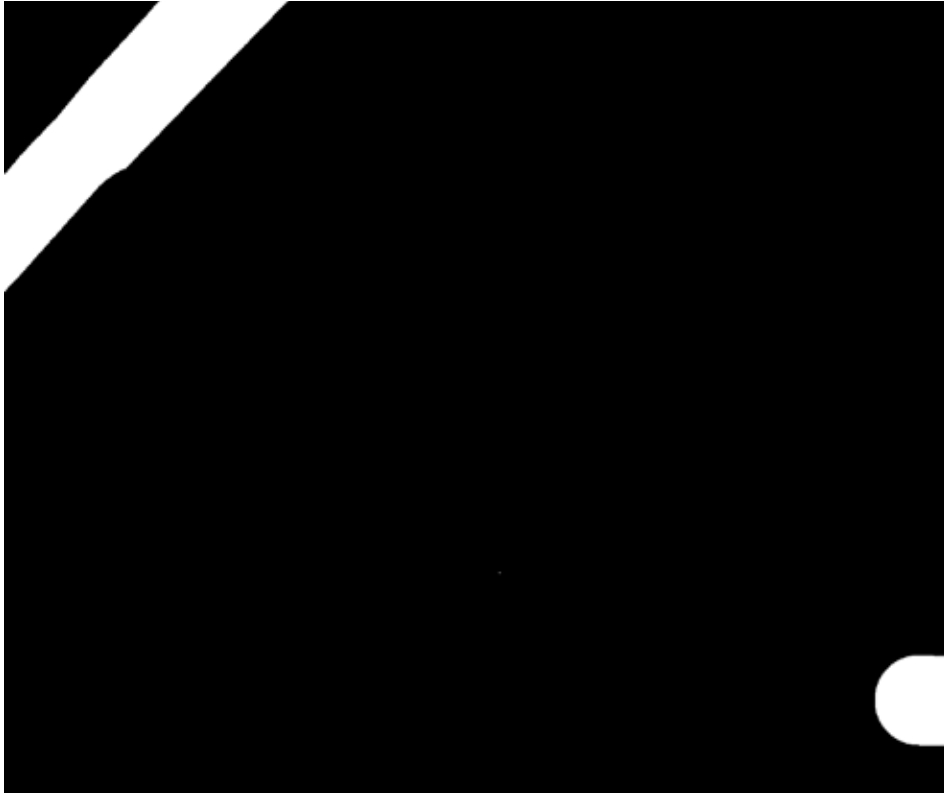
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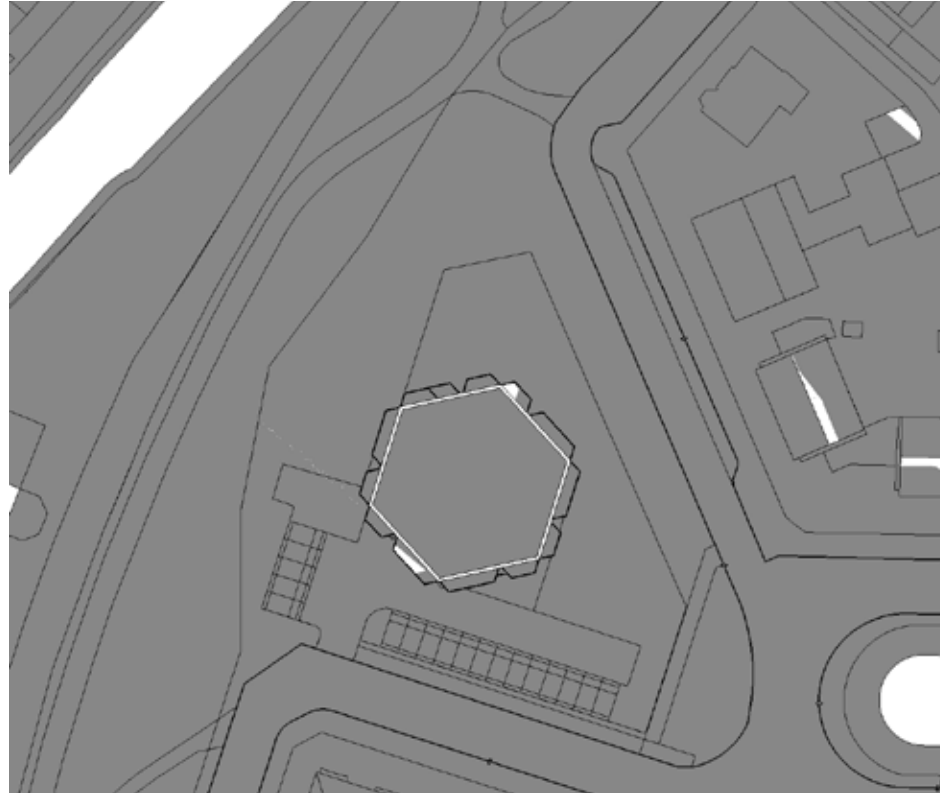
22 december

zonsopgang: 8.47u
zonsondergang: 16.31u

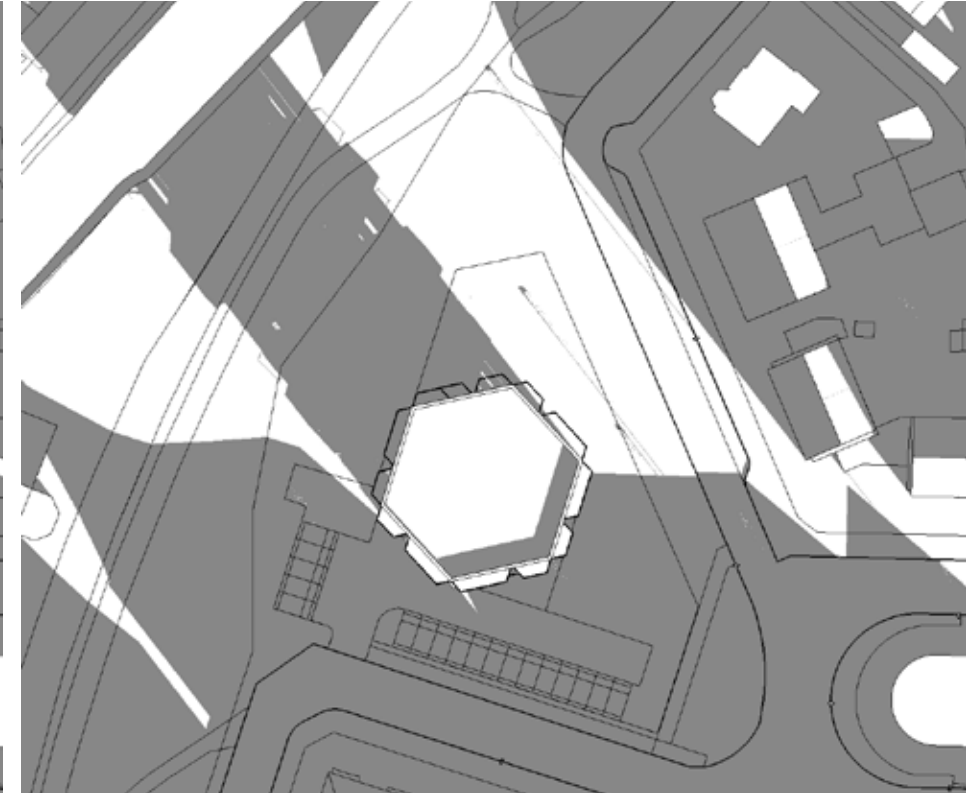
22 december



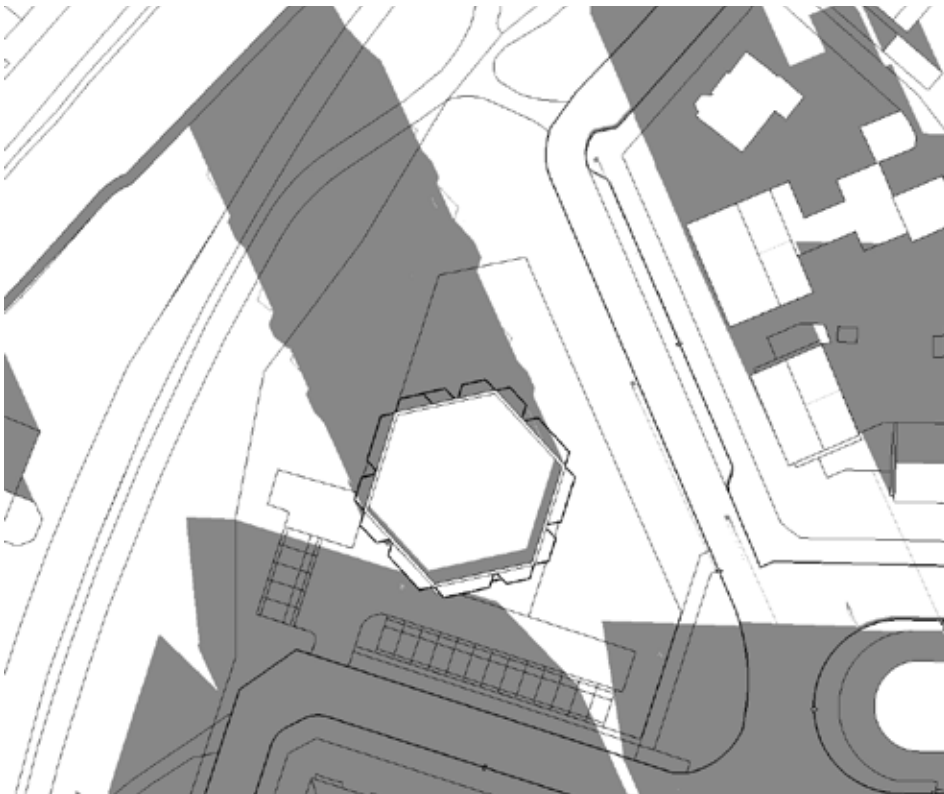
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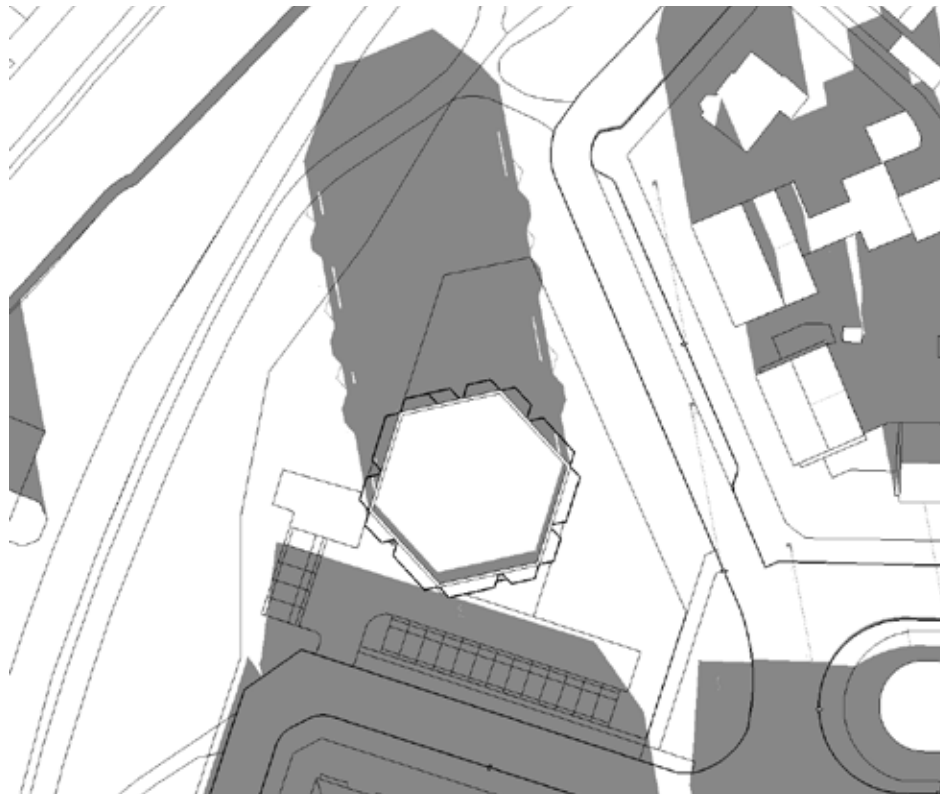
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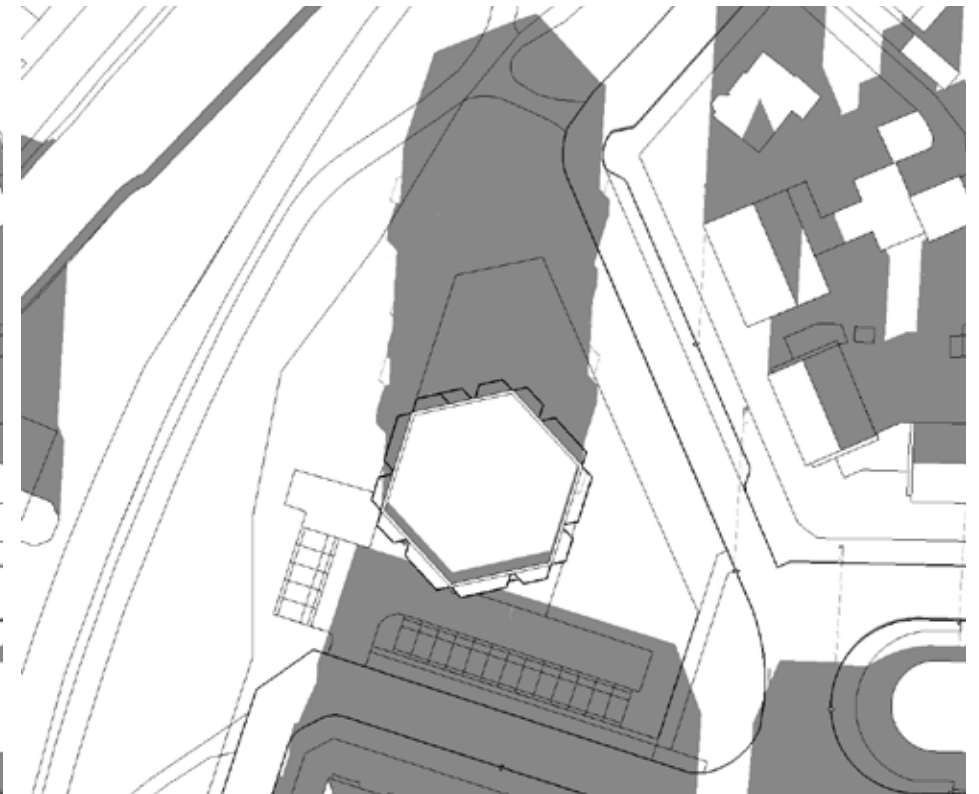
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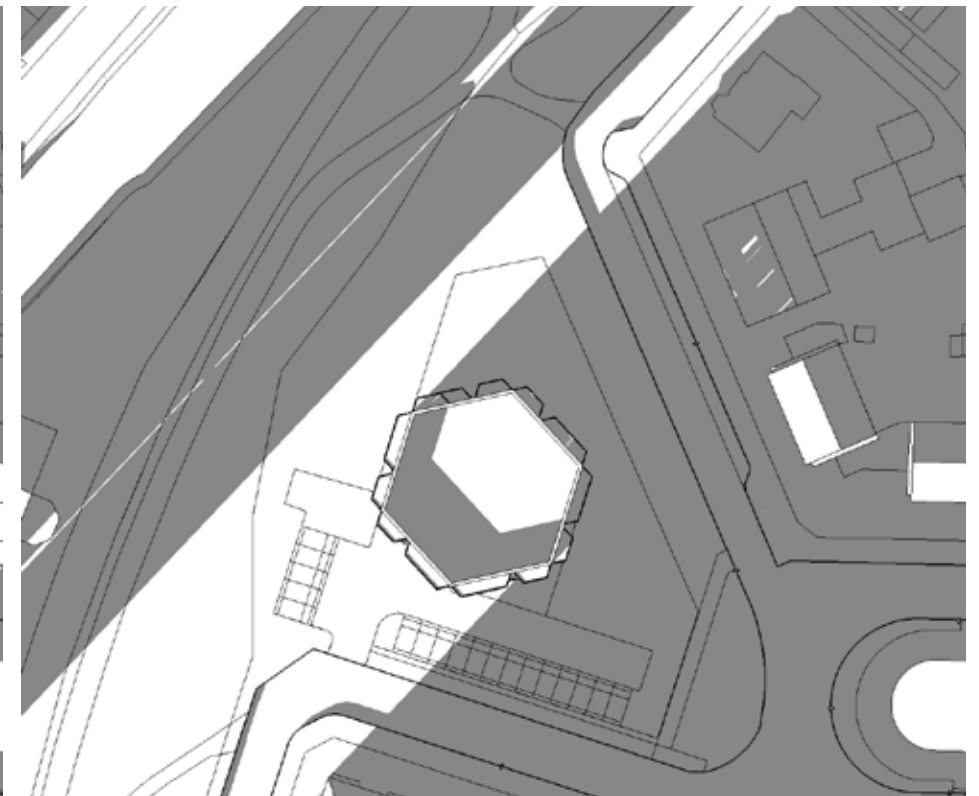
22 december



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Conclusie

Bij de bezonningsstudie is op de maatgevende dagen 21 maart, 21 juni, 23 september en 22 december de schaduwval gedurende de dag gemeten. Bij deze bezonningsstudie is gebruik gemaakt van het 3D computerprogramma Sketch-up. De bouwmassa van de bebouwing en het model is in 3D uitgetekend. De beschaduwning door de zon is door de software uitgetekend.

Voor de beoordeling van de bezonningsstudie is de 'strengere' TNO-norm toegepast:

De 'strengere' TNO-norm: ten minste 3 mogelijke bezonningsuren per dag in de periode 21 januari – 22 november (gedurende 10 maanden) in midden vensterbank binnenkant raam. Daarbij is het geen vereiste dat de bezonning aansluitend plaatsvindt.

De diagrammen tonen aan dat het ontwerp aan de Charlotte van Montpensierlaan 2a voldoet aan de eisen van de 'strengere' TNO-norm en dus geen negatieve gevolgen heeft voor de omgeving.