



Mixed Use Zones Project Solar/Shading Modeling

May 2016

The following slides show the shading impact of various building scales on adjacent lots and across the street at various times of the year. For this model, all lots are assumed to be on east-west streets with a sun angle approximating noon.

This work is intended to inform discussion about the implications of building size, and features such as step-downs and step-backs on shading, but is not a definitive analysis of solar and shading impacts of building forms.



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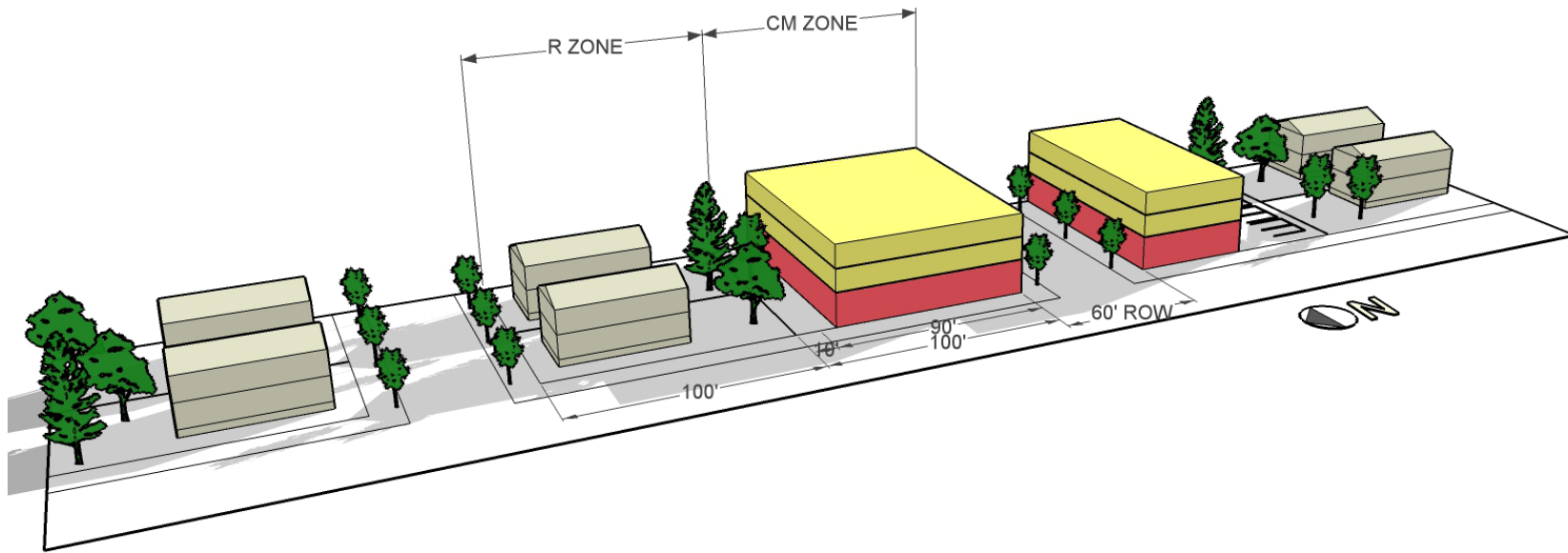
May 2016

Impacts to adjacent lots at various building scales

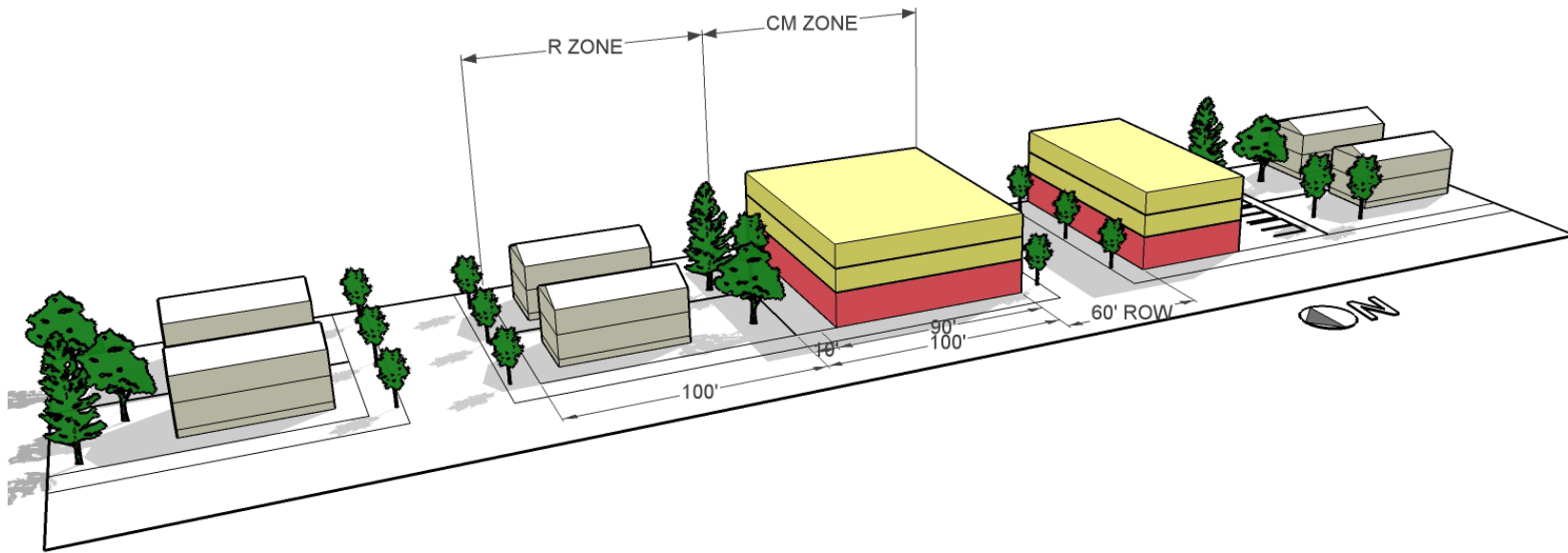


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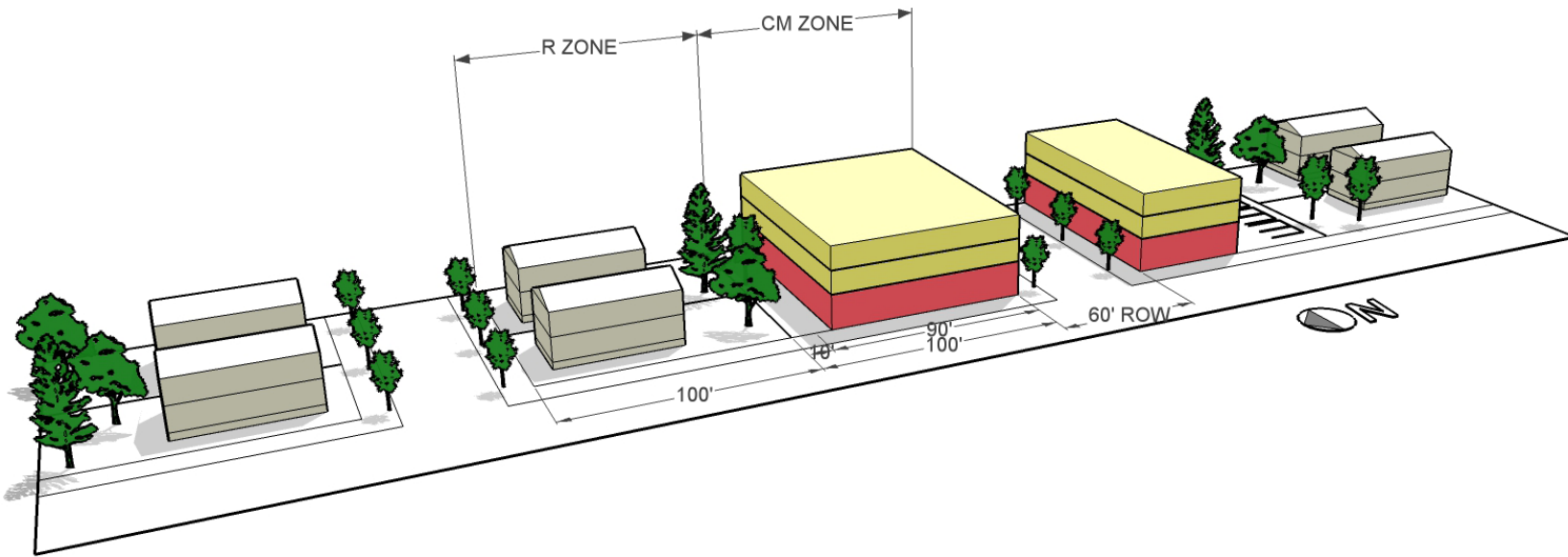




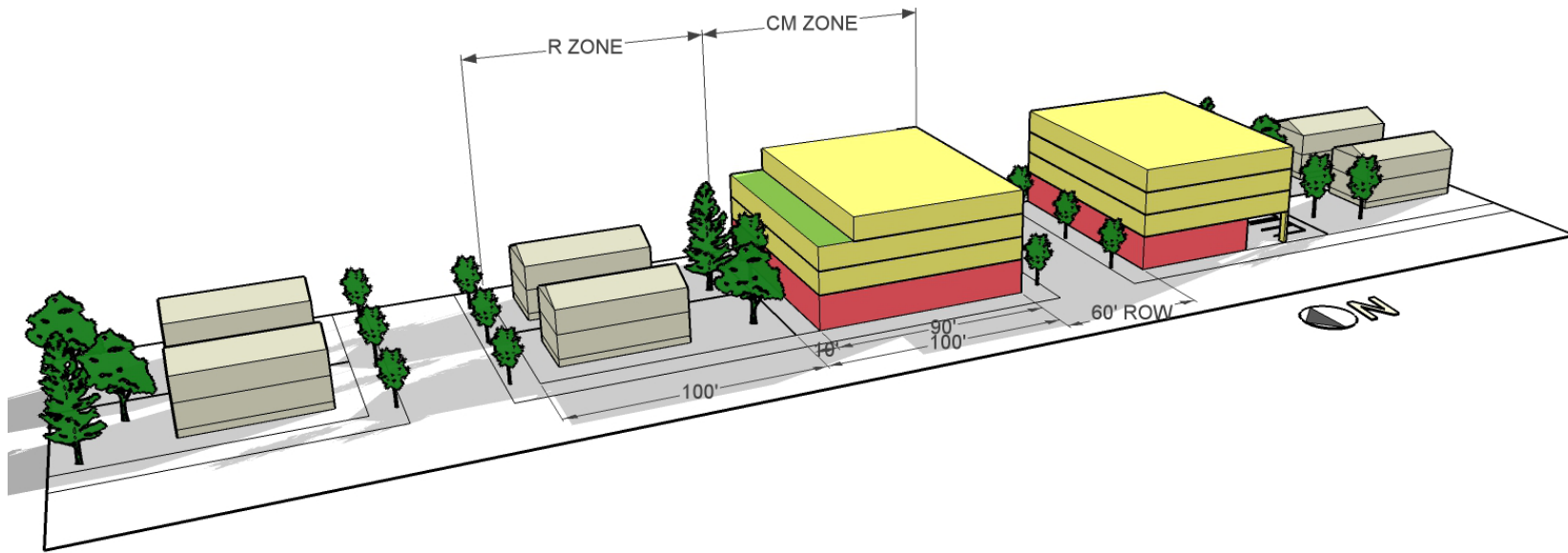
3 stories - Winter Solstice



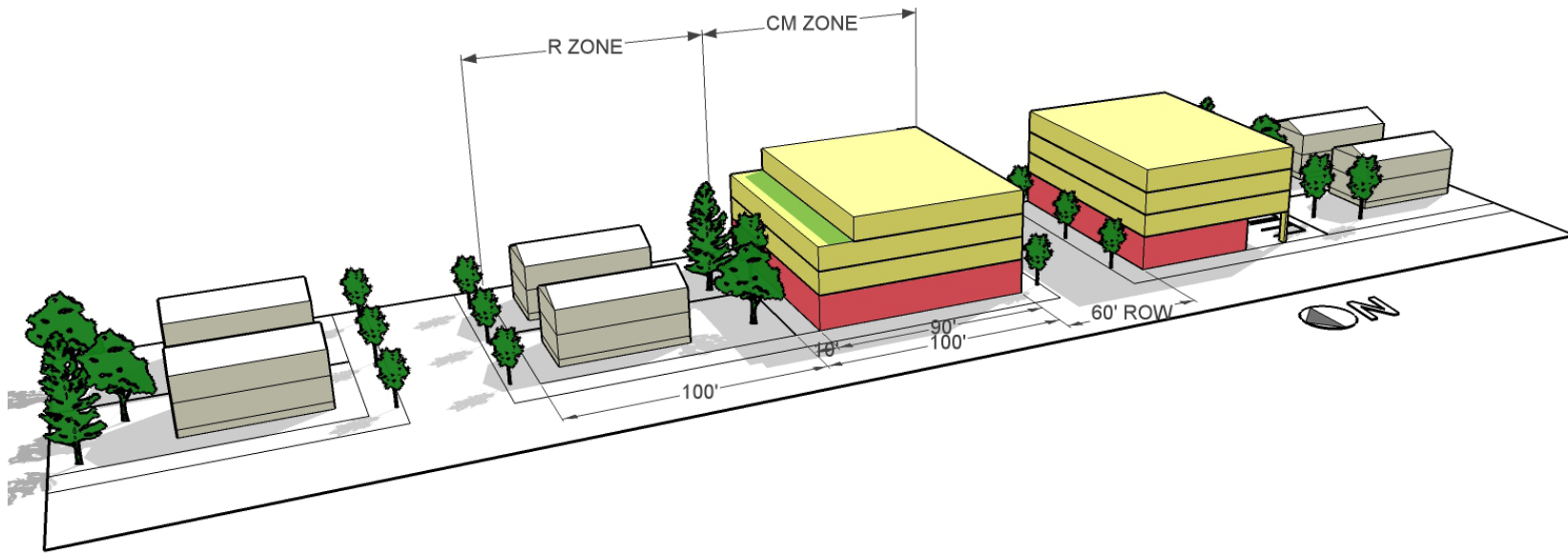
3 stories - Spring/Fall Equinox



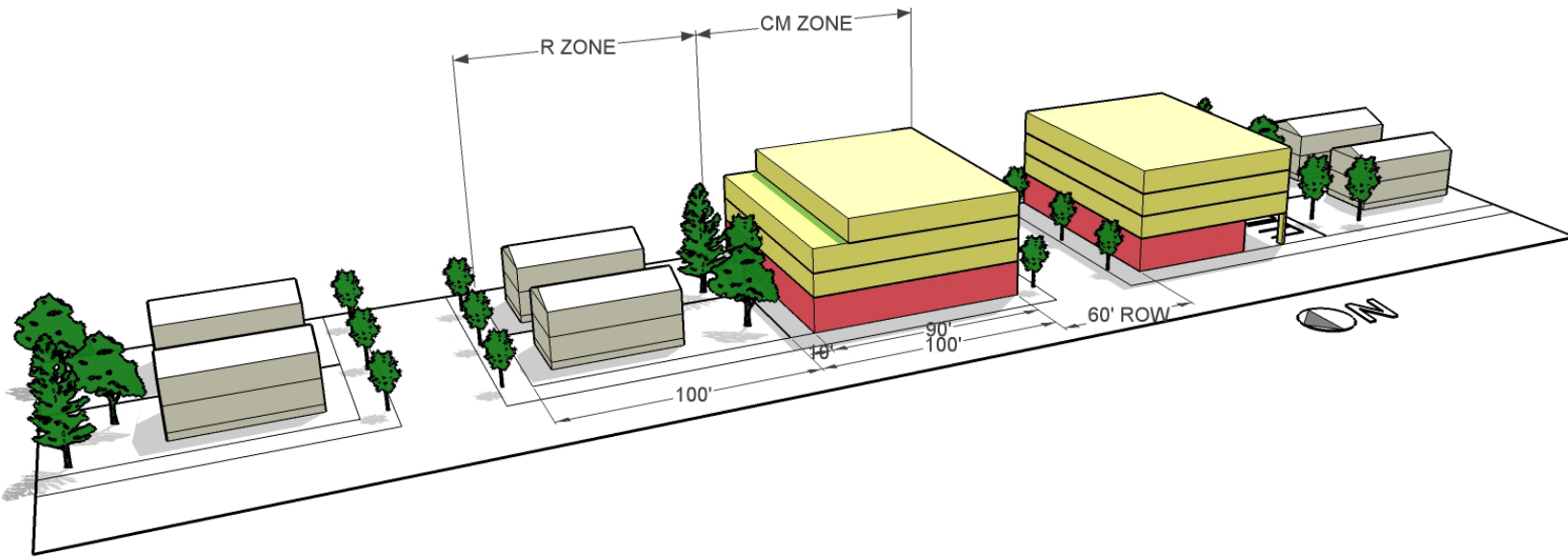
3 stories - Summer Solstice



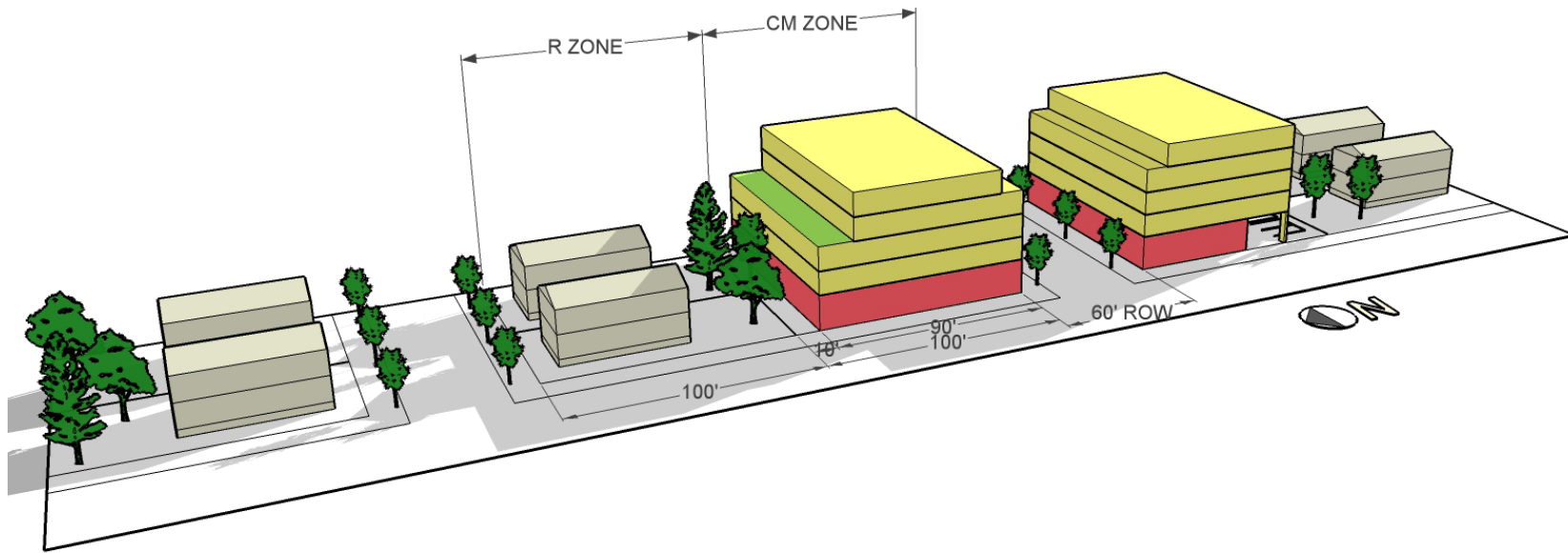
4 stories - Winter Solstice



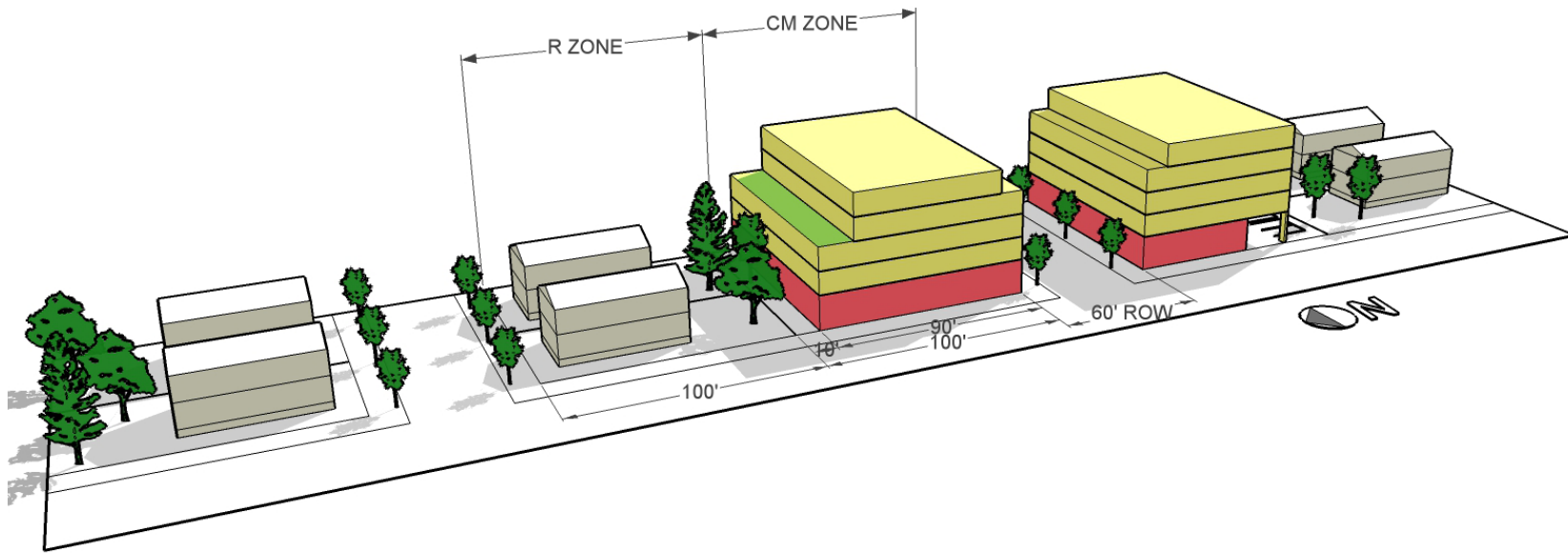
4 stories - Spring/Fall Equinox



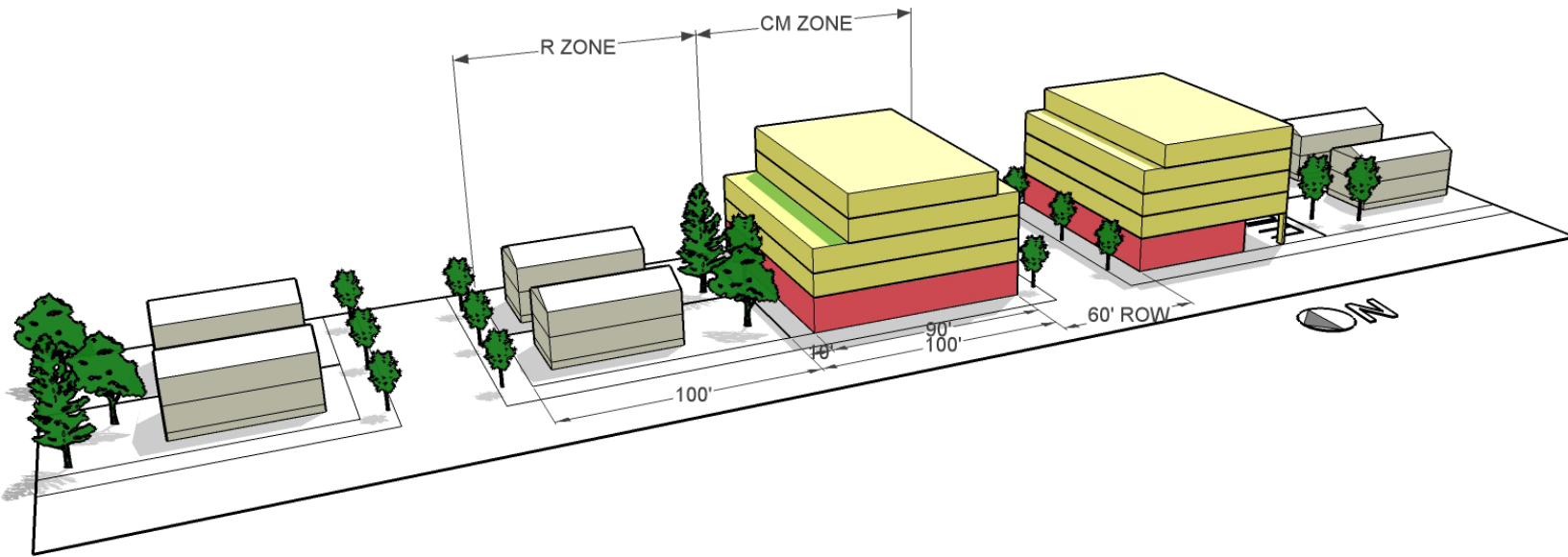
4 stories - Summer Solstice



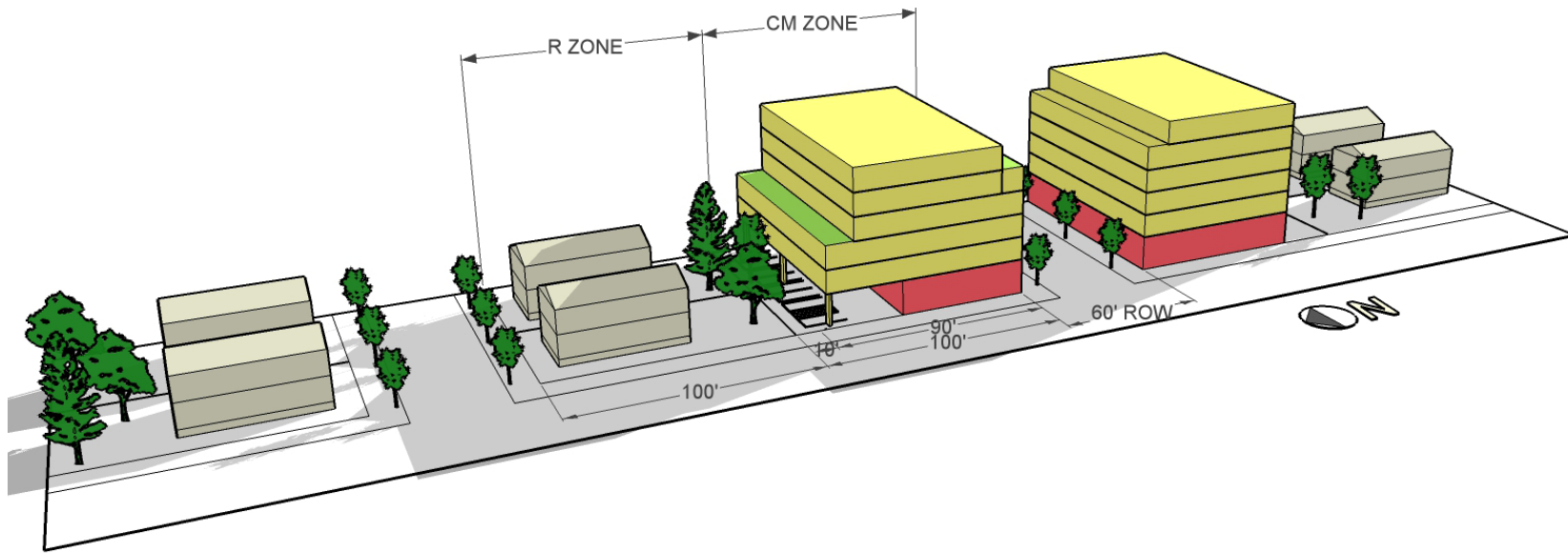
5 stories - Winter Solstice



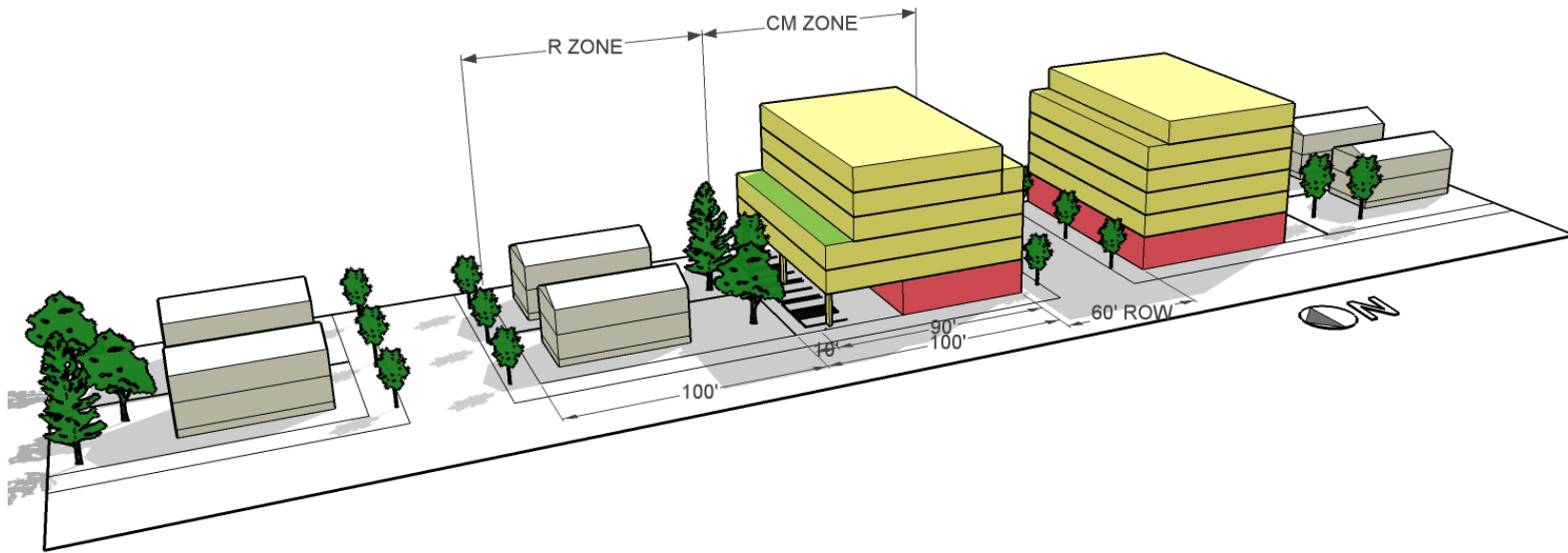
5 stories - Spring/Fall Equinox



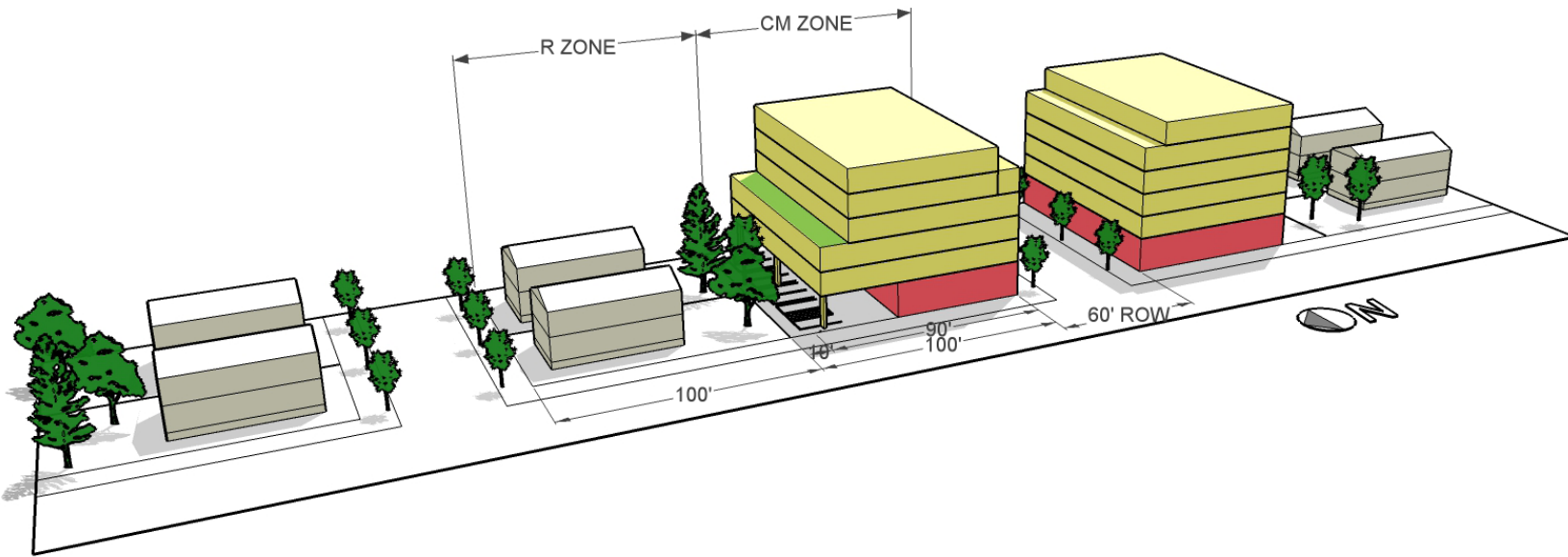
5 stories - Summer Solstice



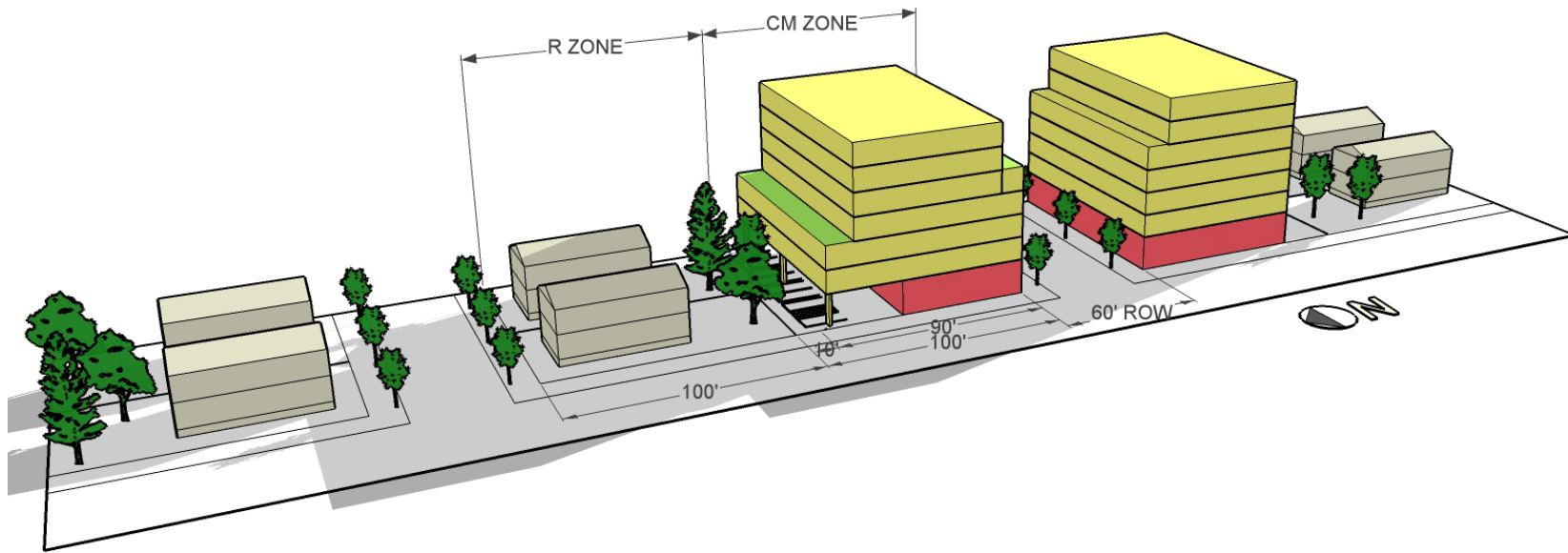
6 stories - Winter Solstice



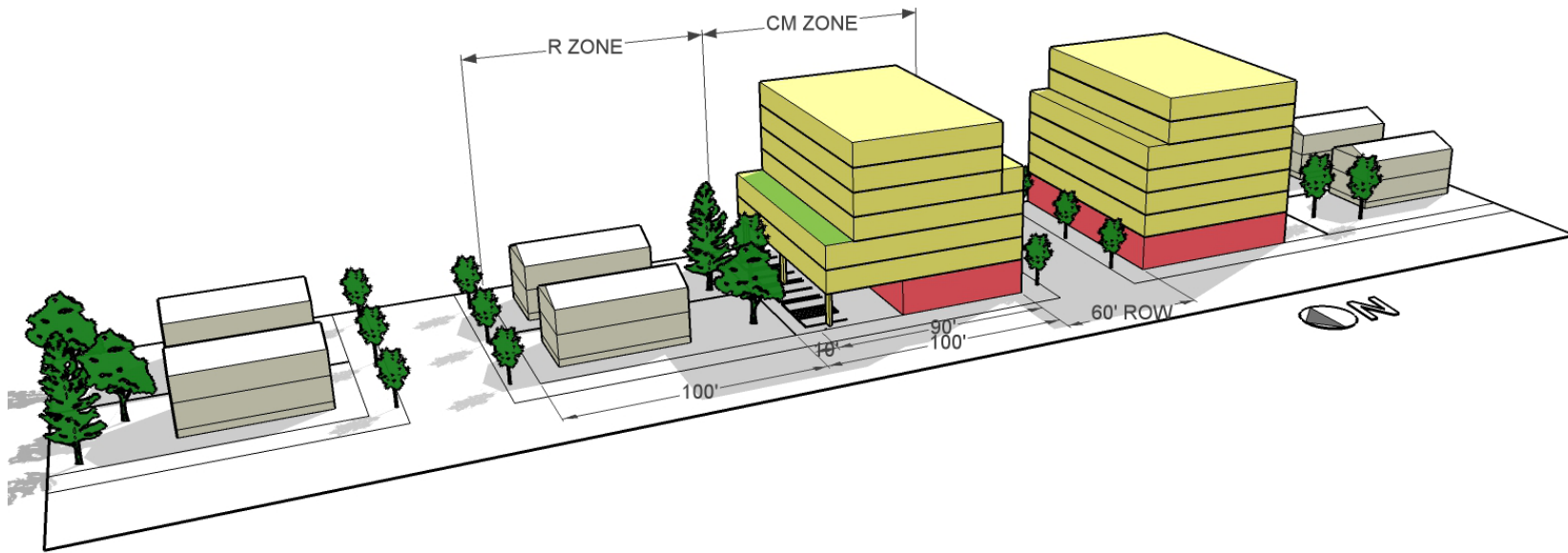
6 stories - Spring/Fall Equinox



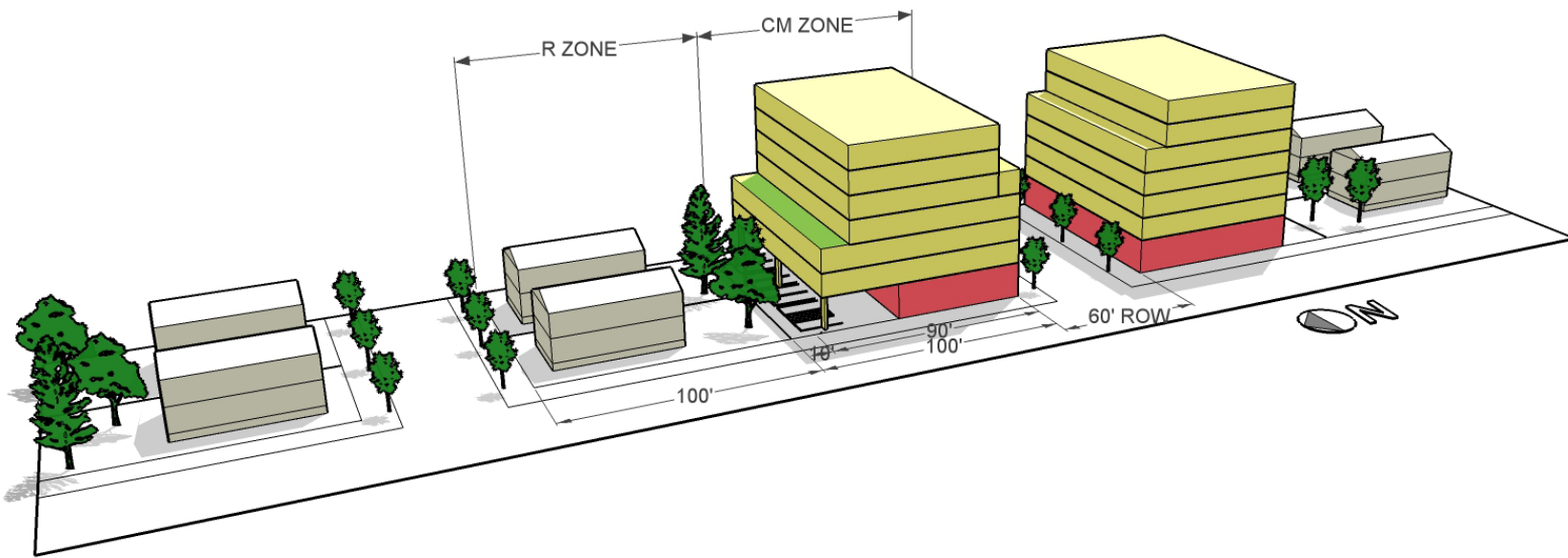
6 stories - Summer Solstice



7 stories - Winter Solstice



7 stories - Spring/Fall Equinox



7 stories - Summer Solstice



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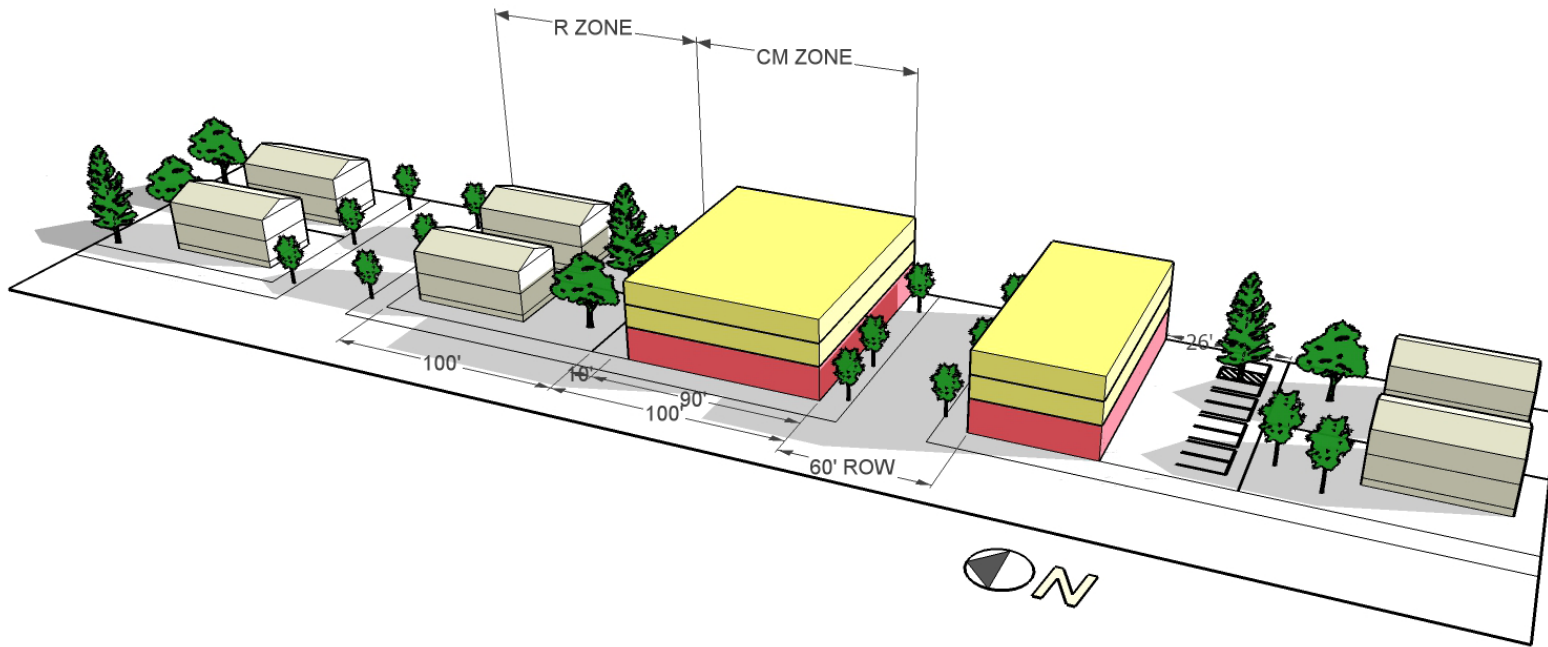
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Impacts across a street at various building scales

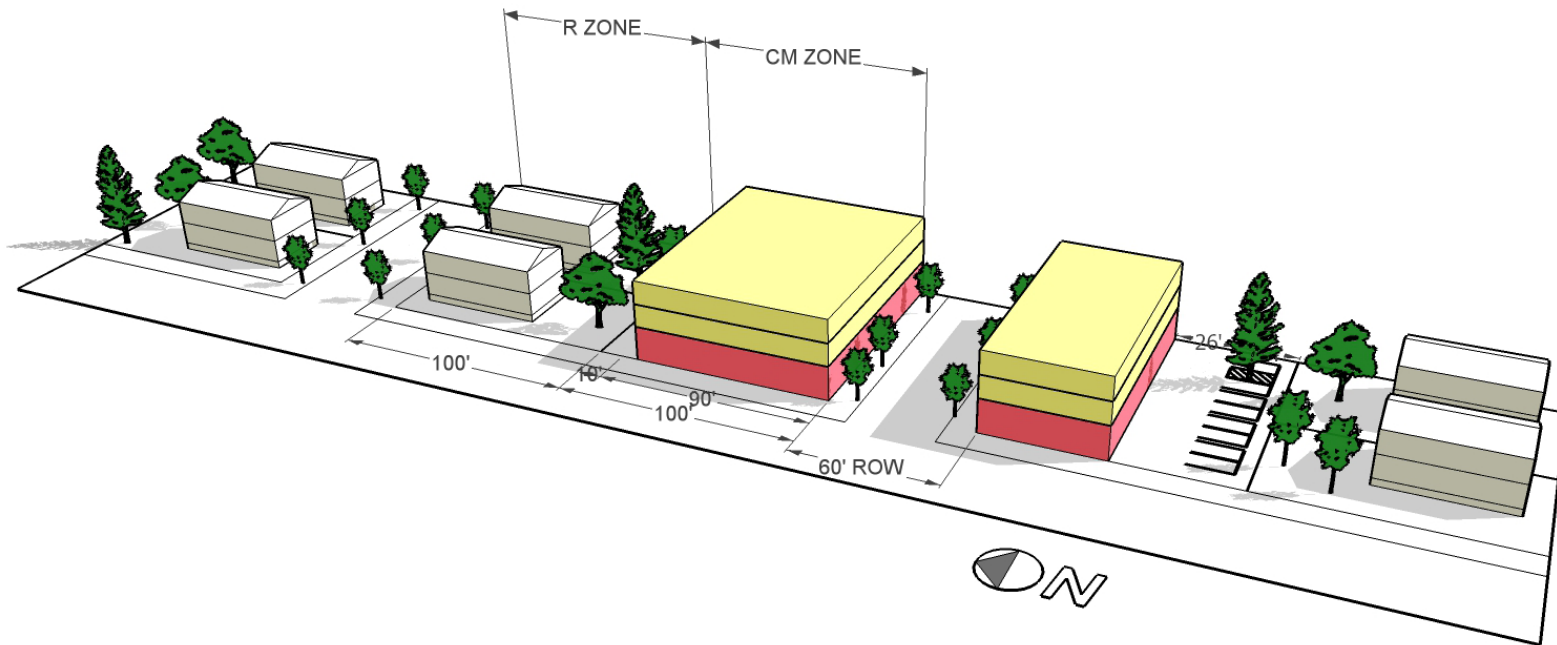


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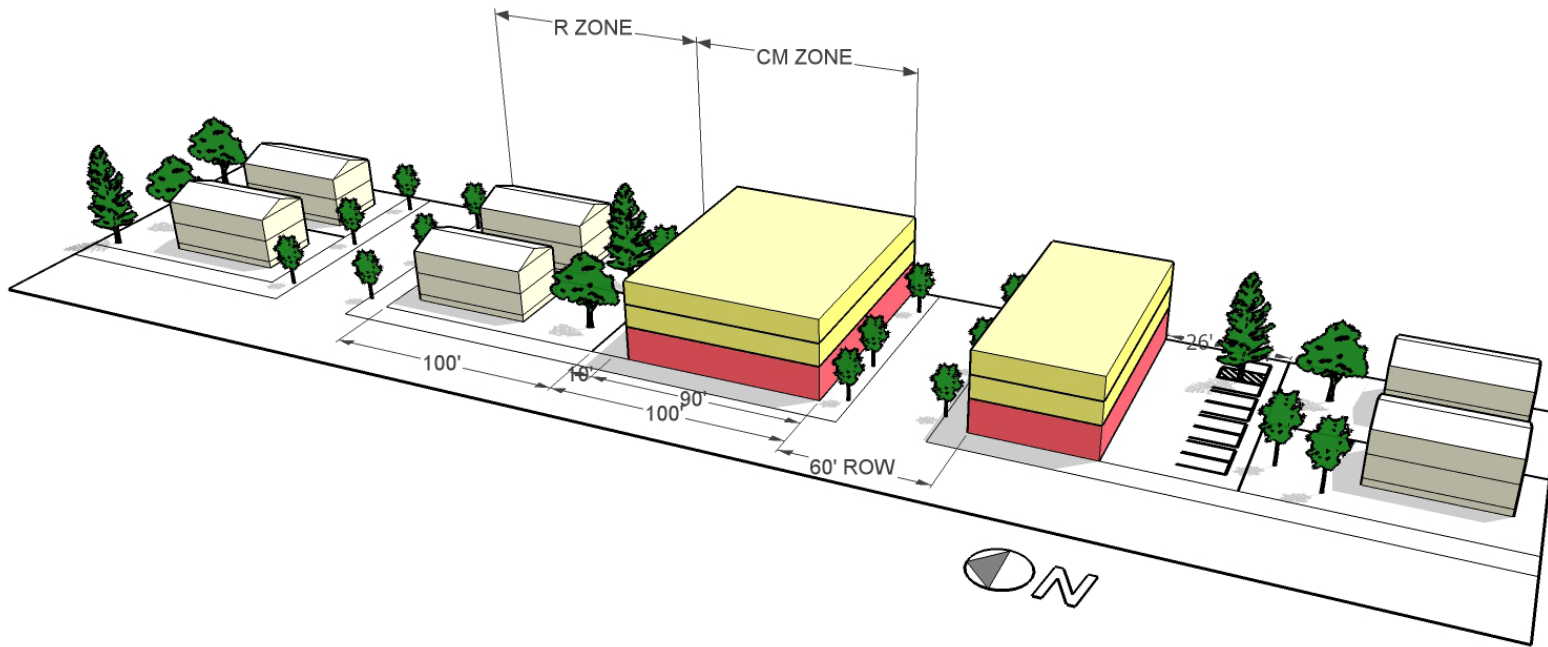




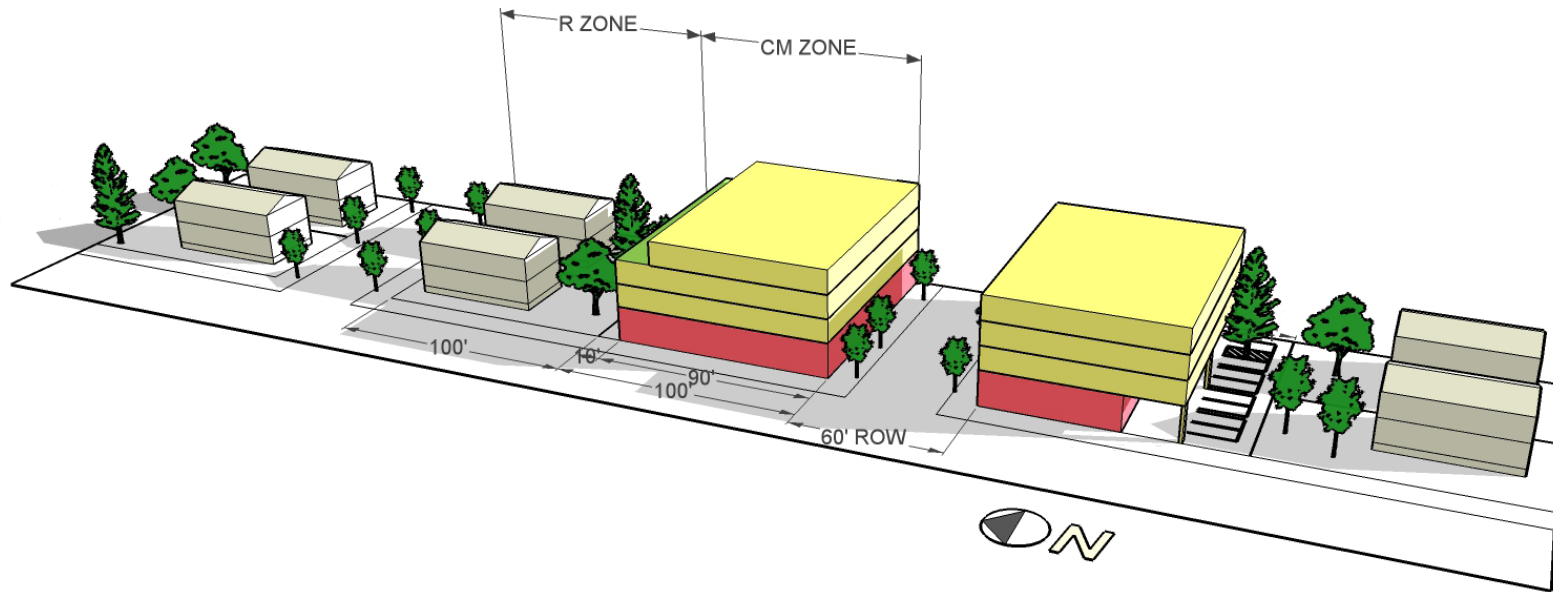
3 stories - Winter Solstice



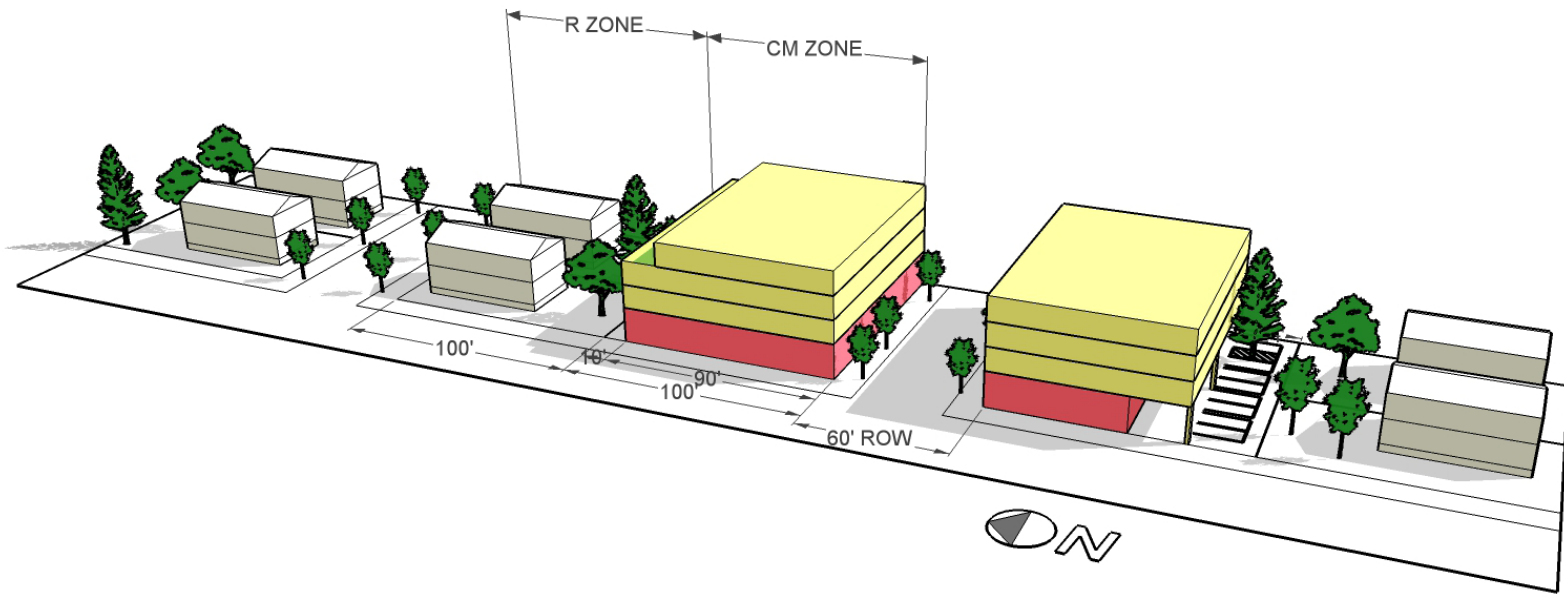
3 stories - Spring/Fall Equinox



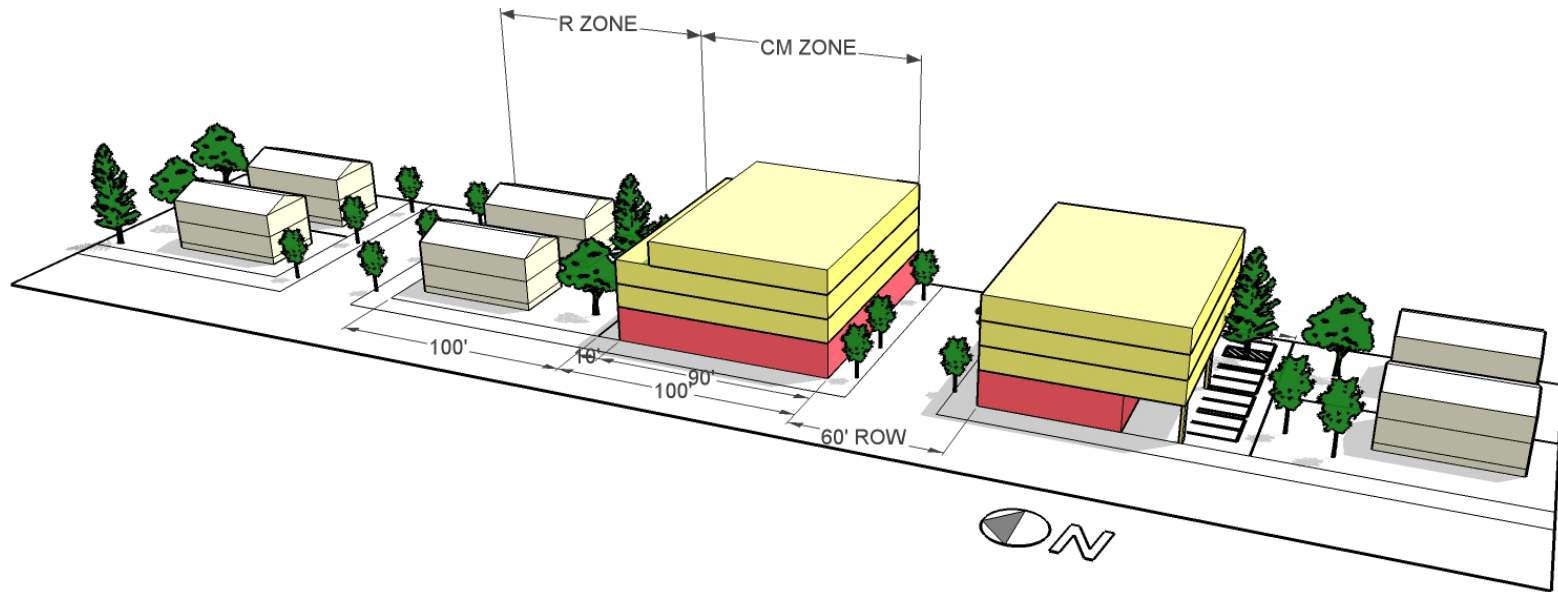
3 stories - Summer Solstice



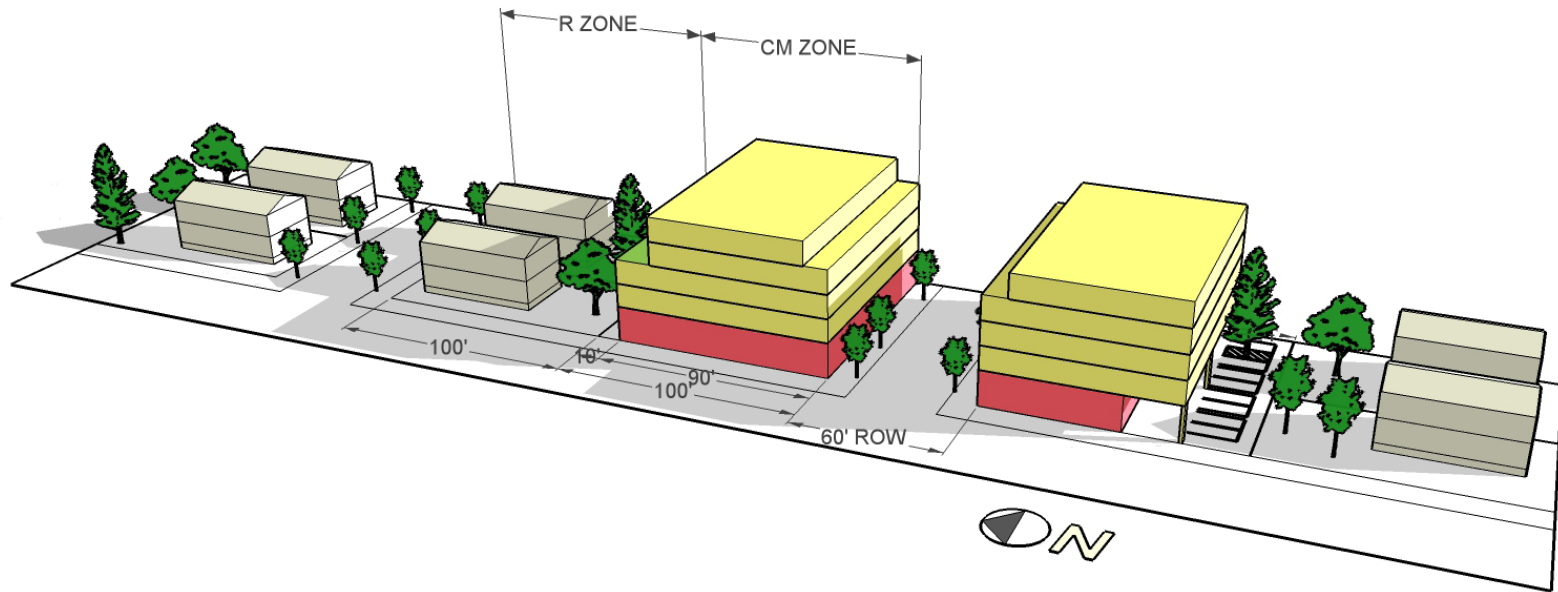
4 stories - Winter Solstice



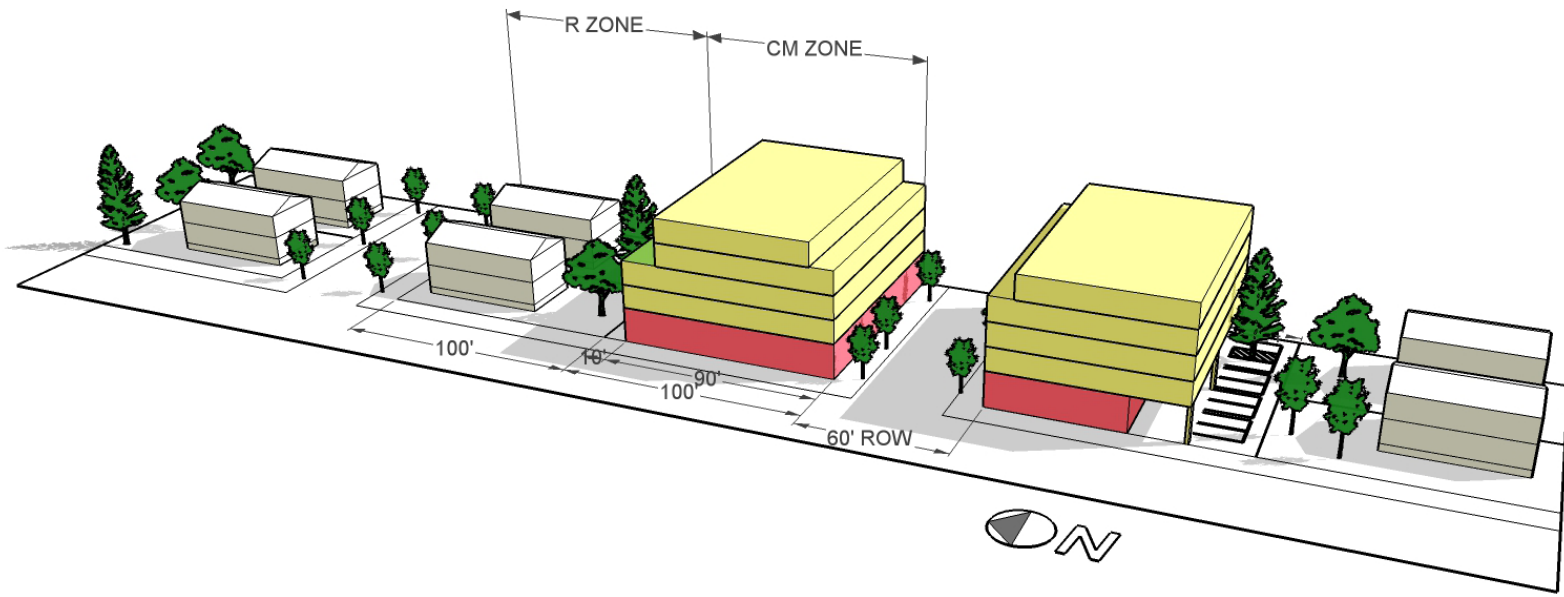
4 stories - Spring/Fall Equinox



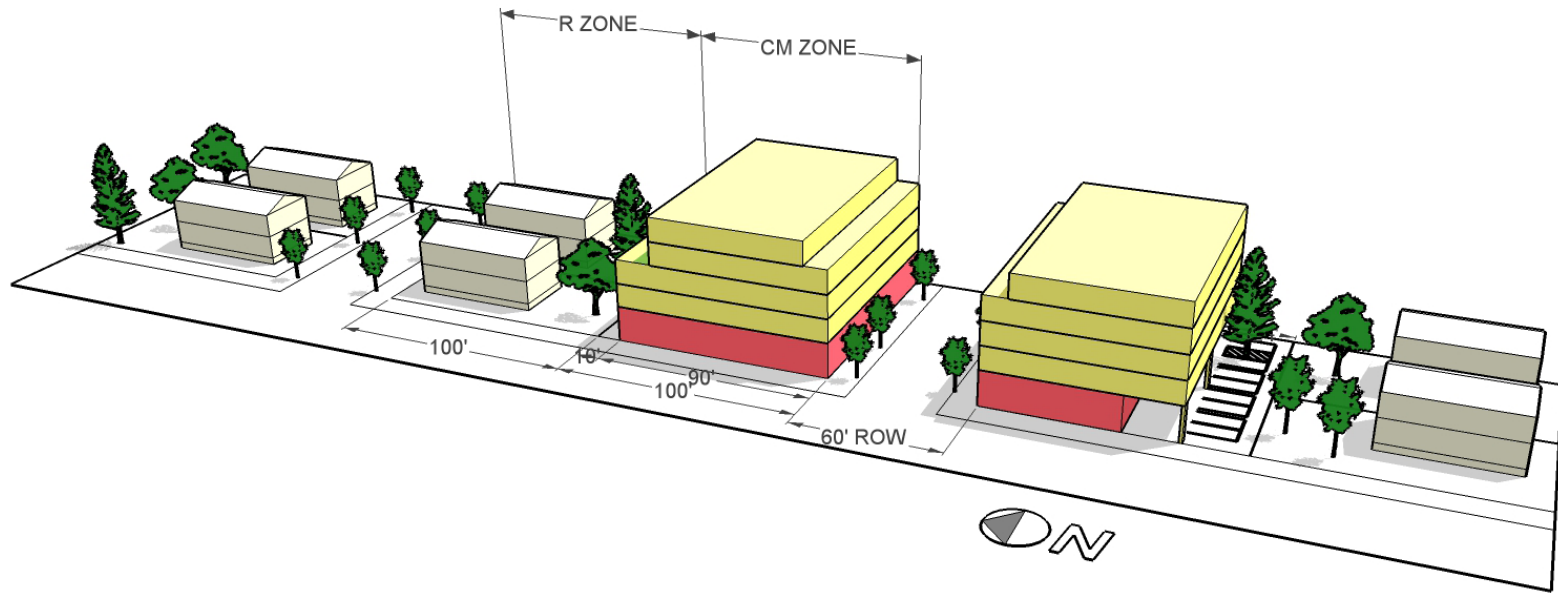
4 stories - Summer Solstice



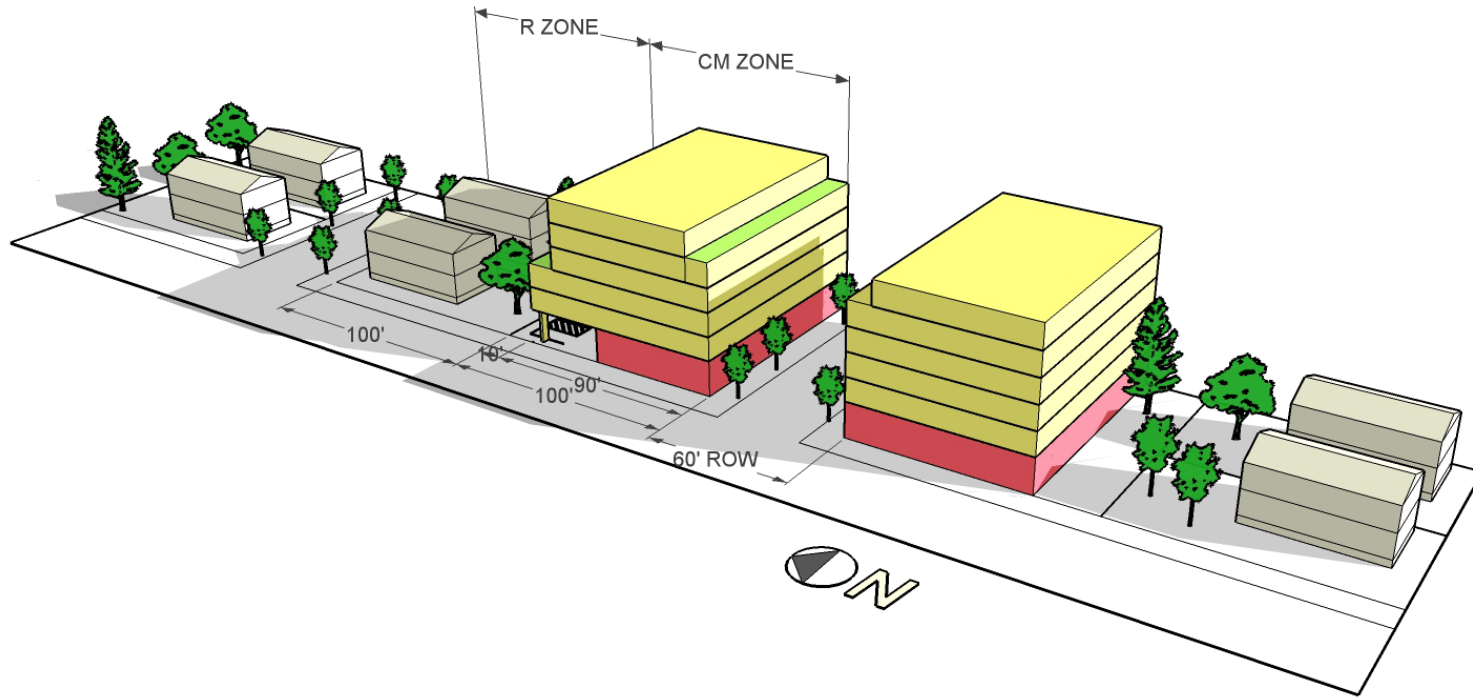
5 stories - Winter Solstice



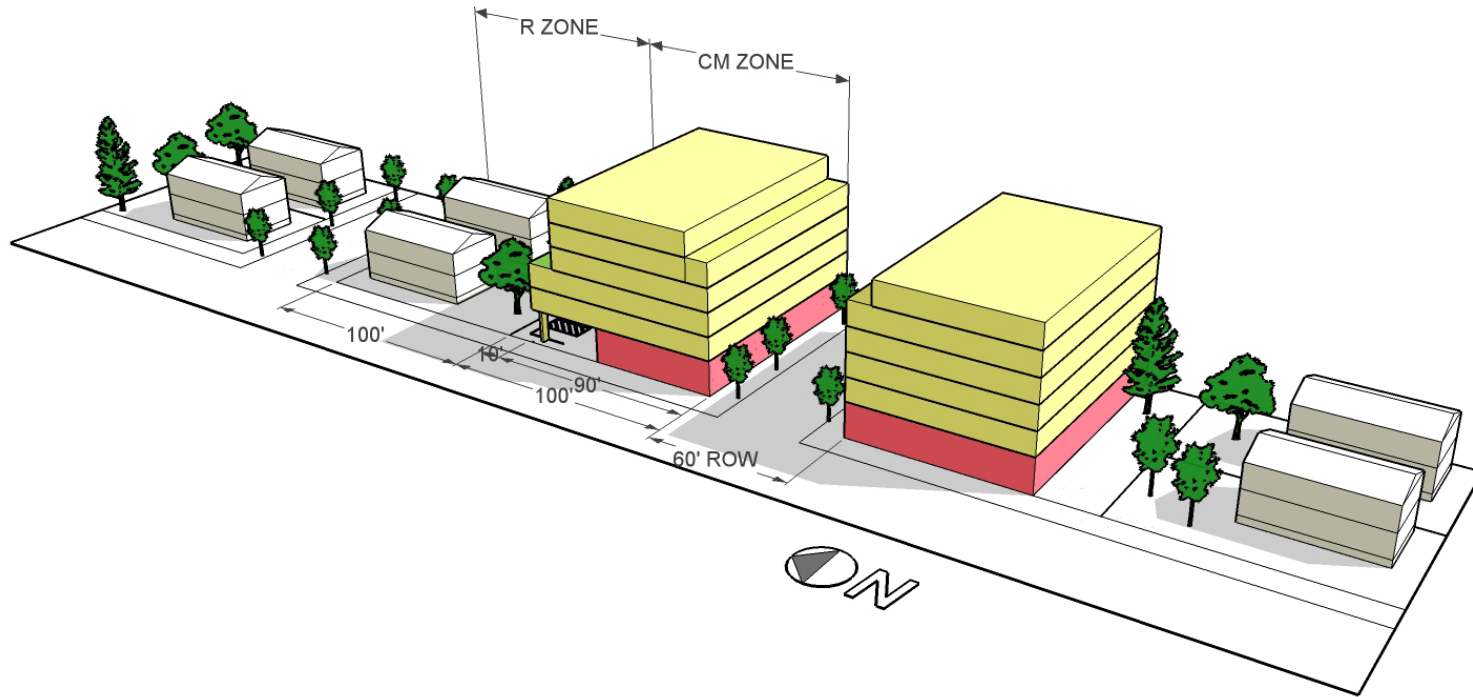
5 stories - Spring/Fall Equinox



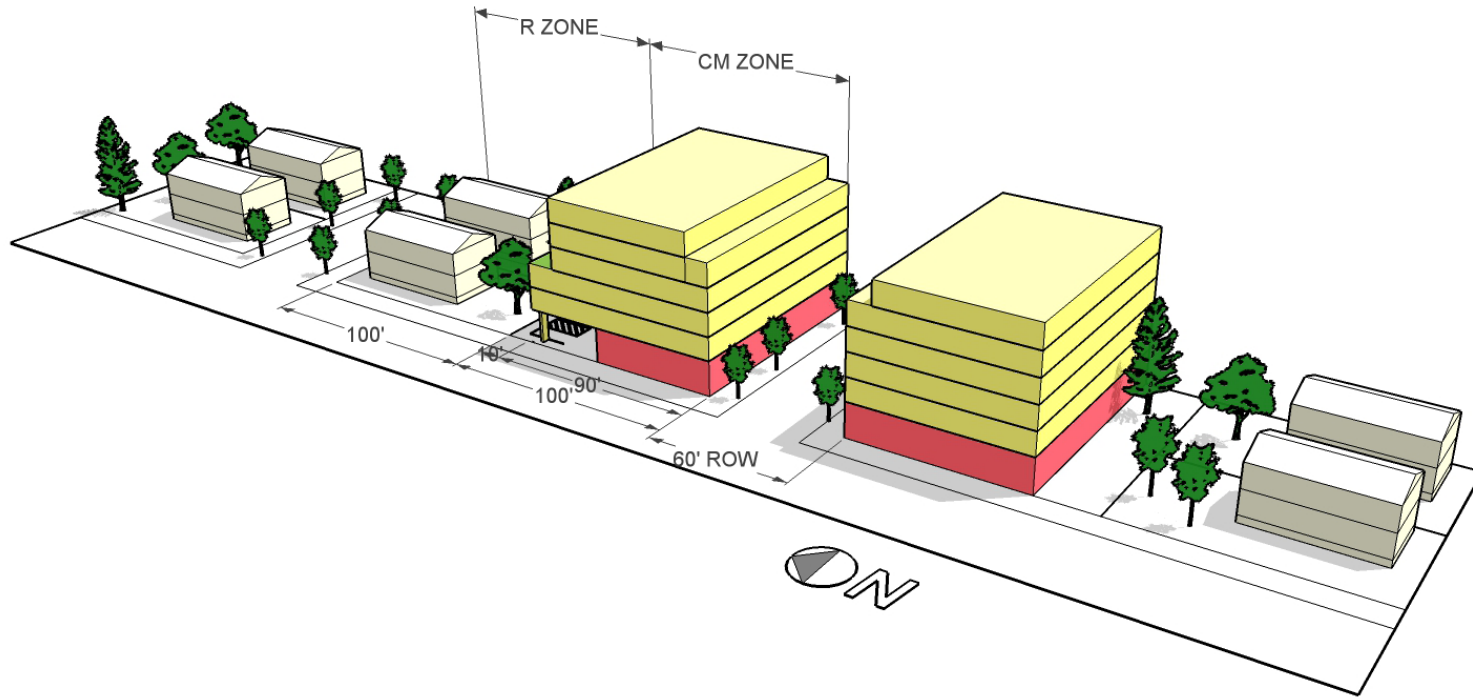
5 stories - Summer Solstice



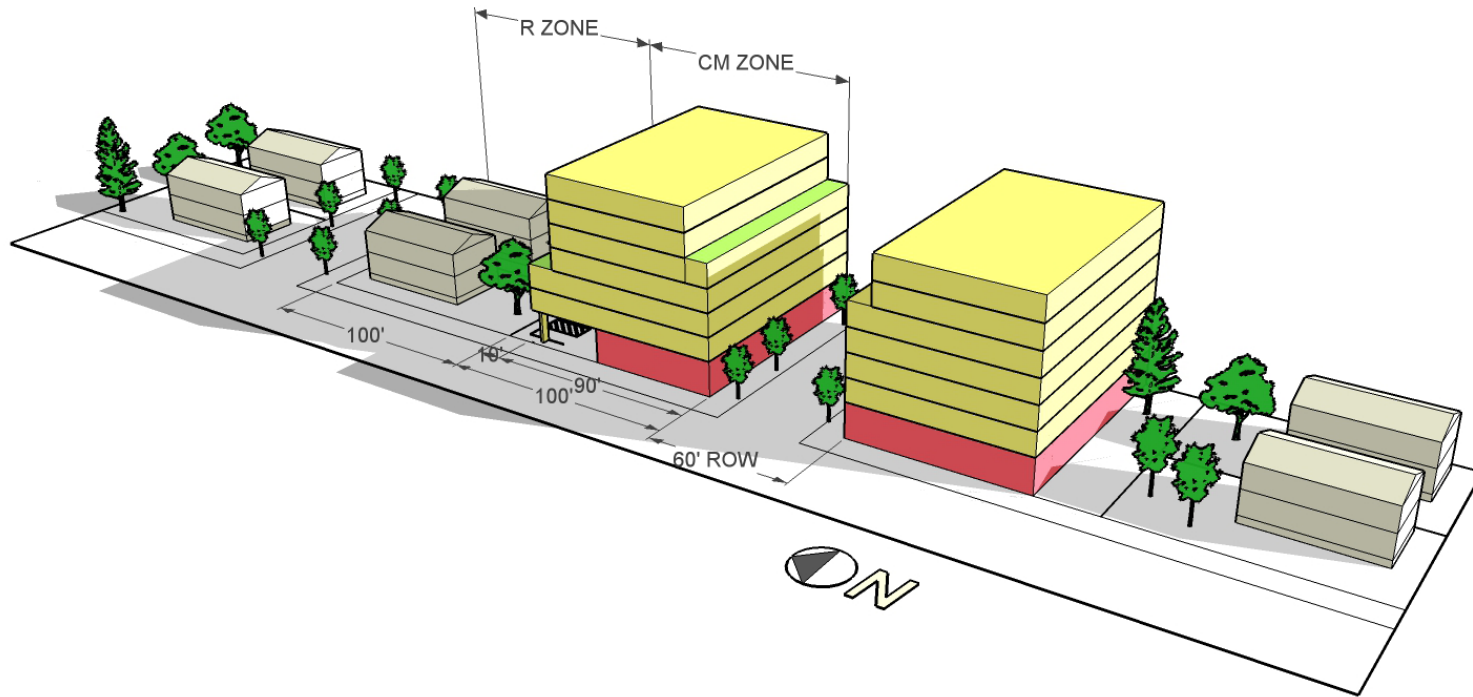
6 stories - Winter Solstice



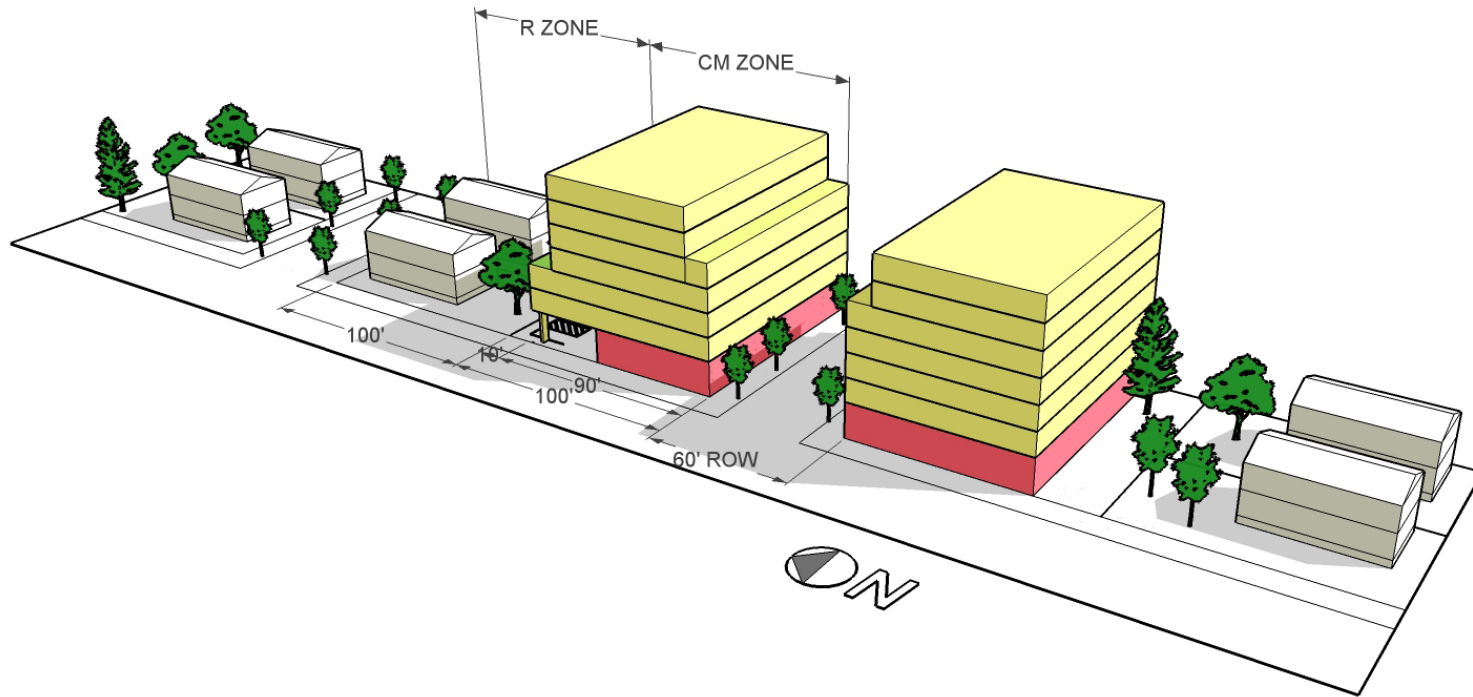
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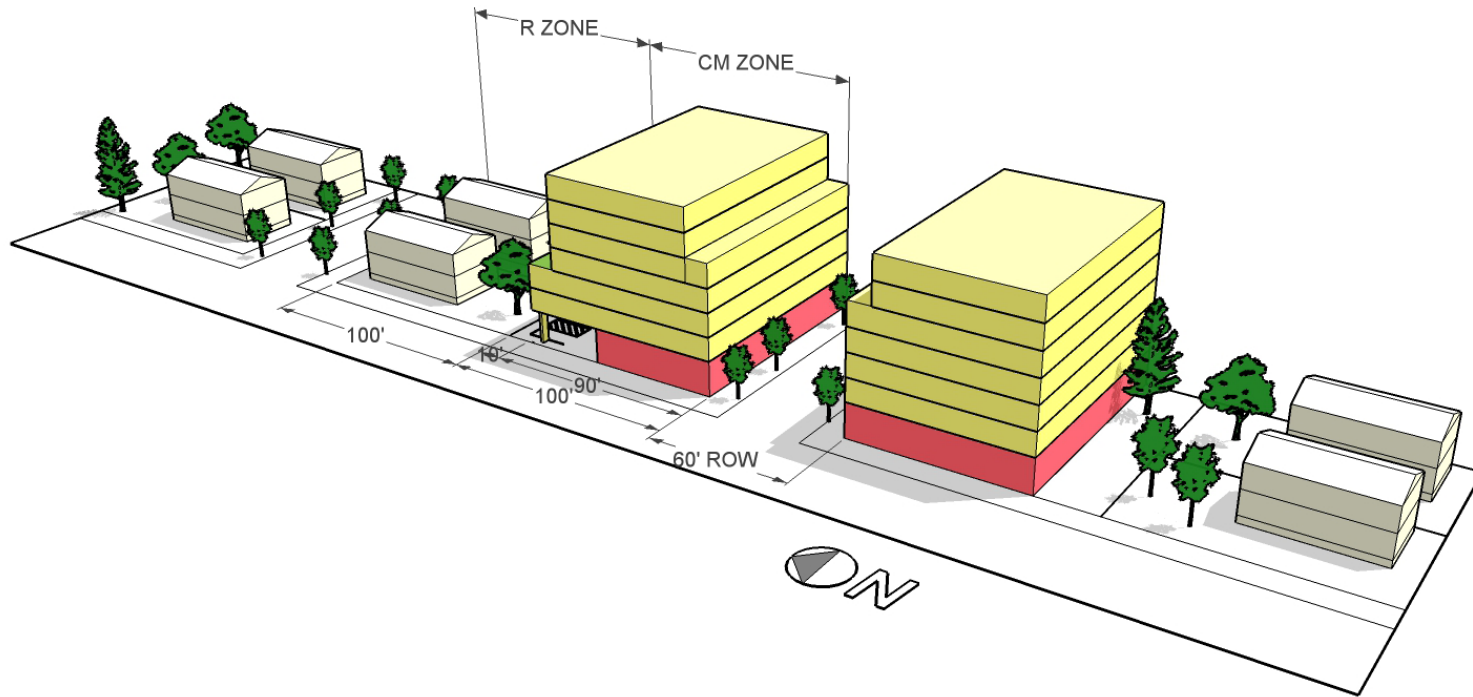
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