

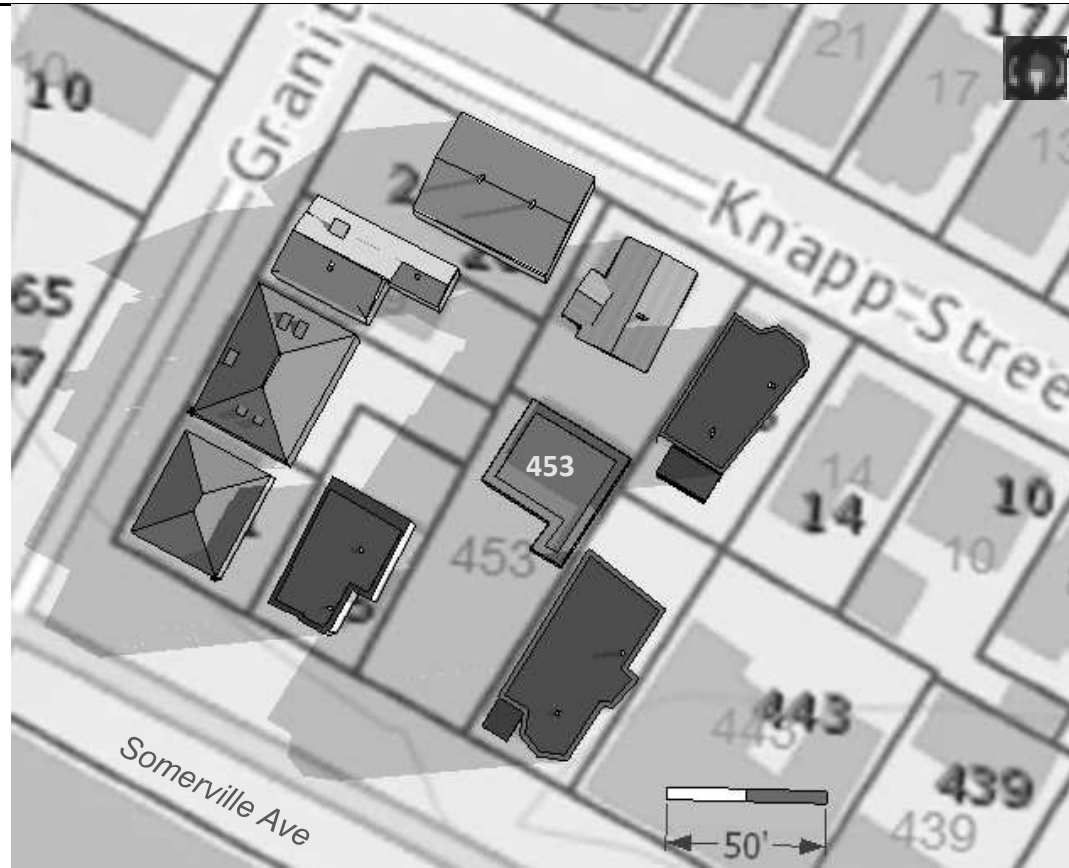
Appendix Shadow Studies

A visual comparative analysis of the various shadow scenarios, clearly illustrating the shadow impact of the proposed development on adjacent lands.

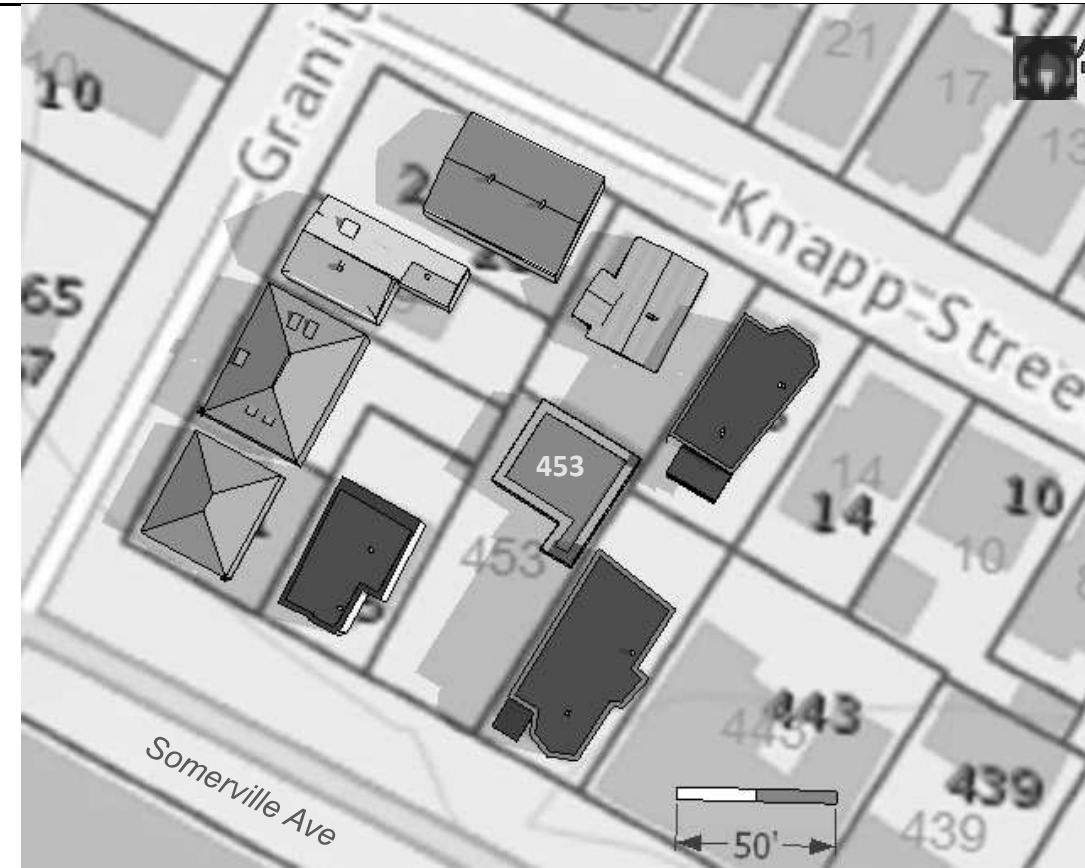
As shown in the following shadow studies, the proposed building will not cause undue shade or create unreasonable shadow on surrounding areas.

EXISTING BUILDING

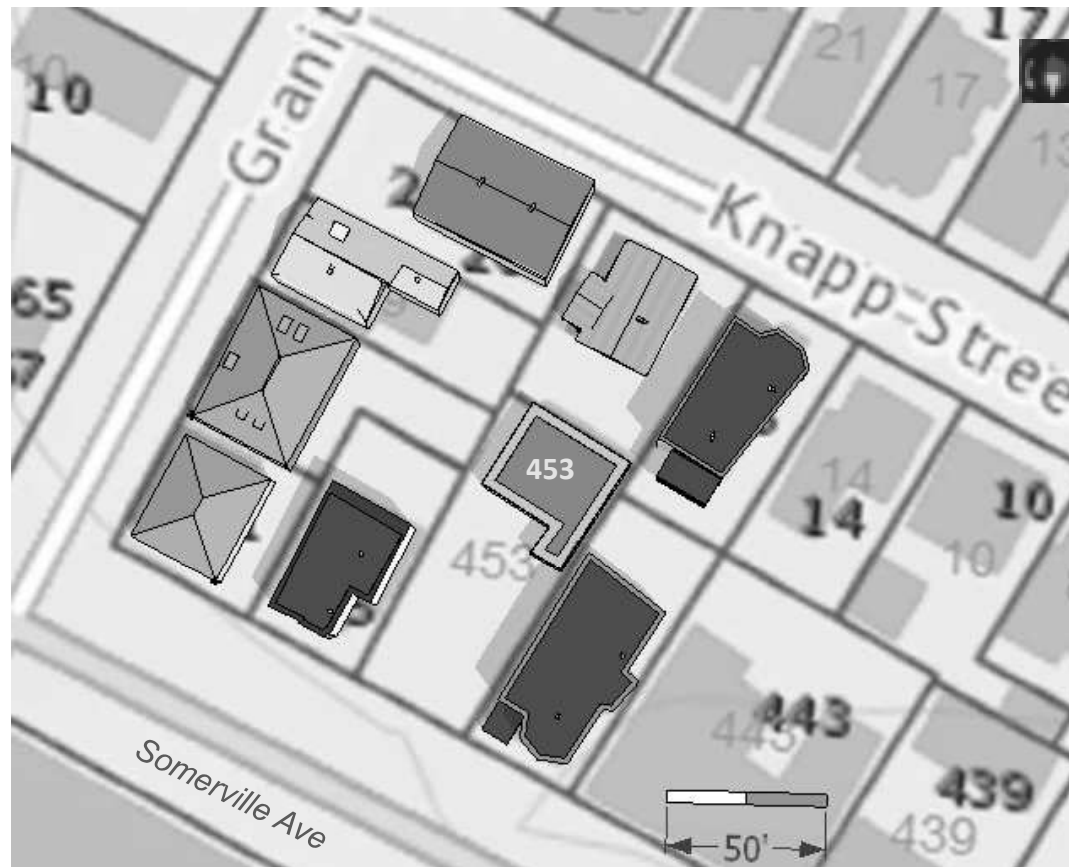
10 AM



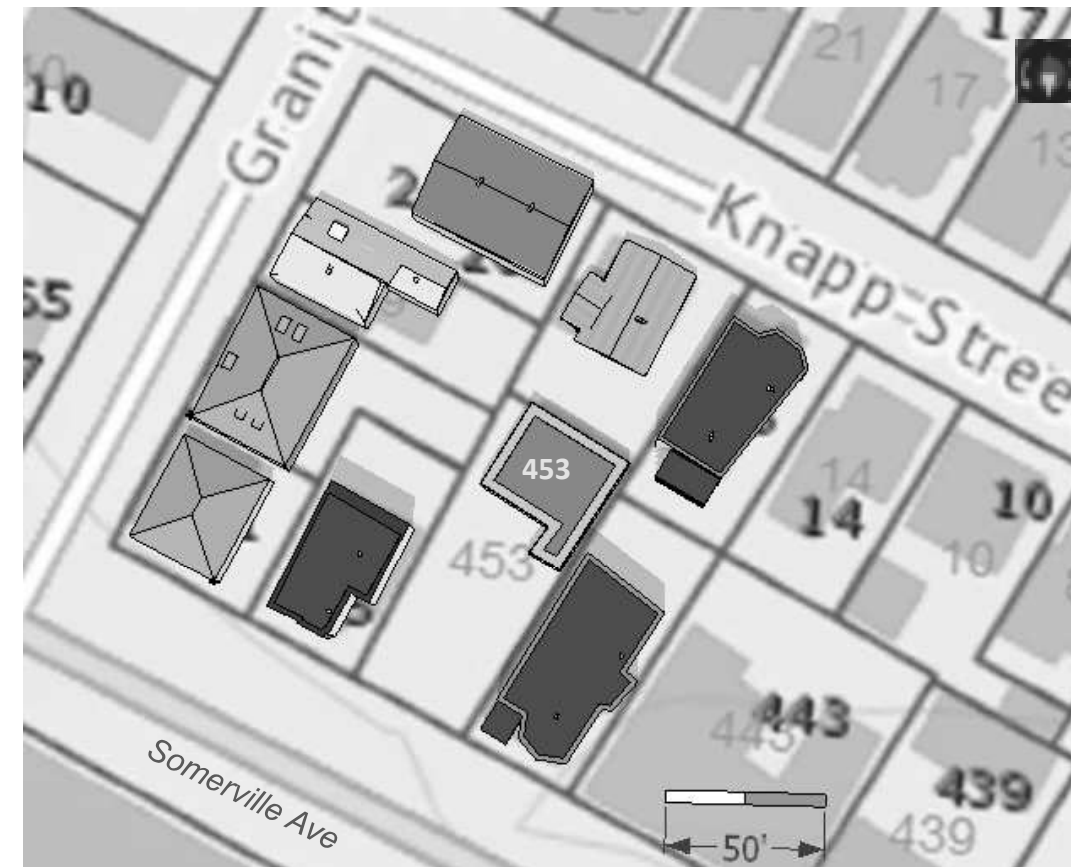
12 PM



2 PM



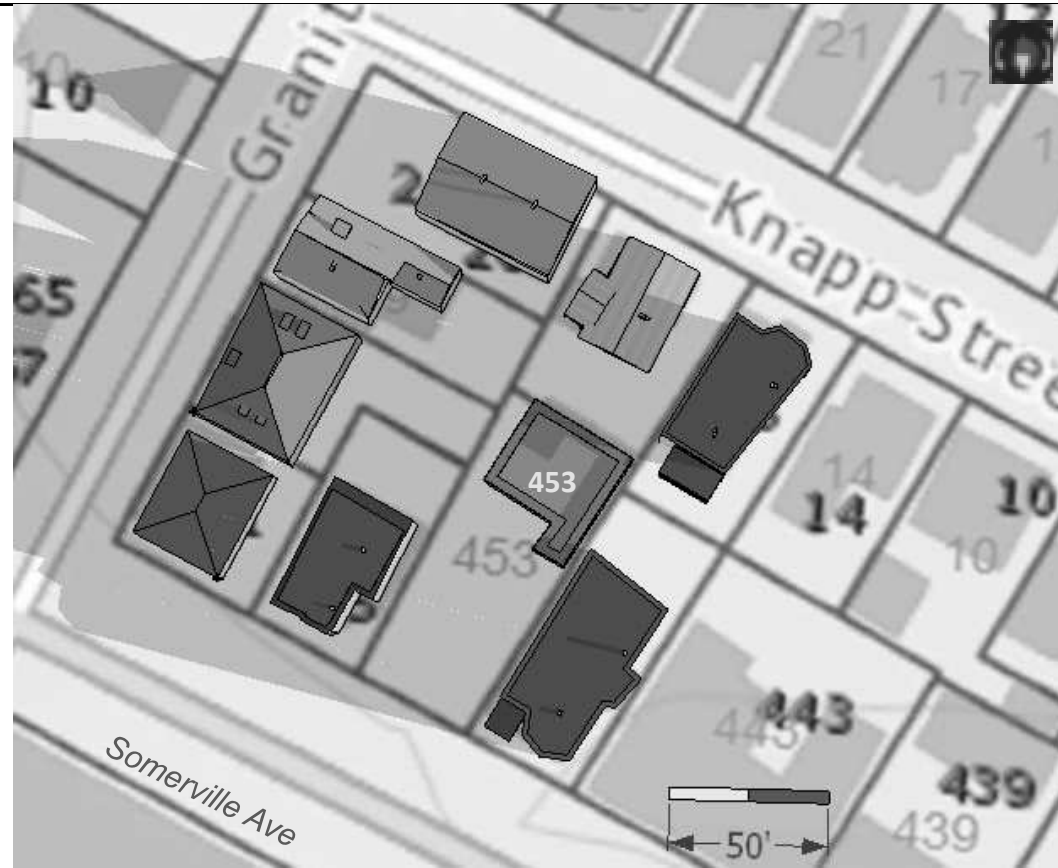
3 PM



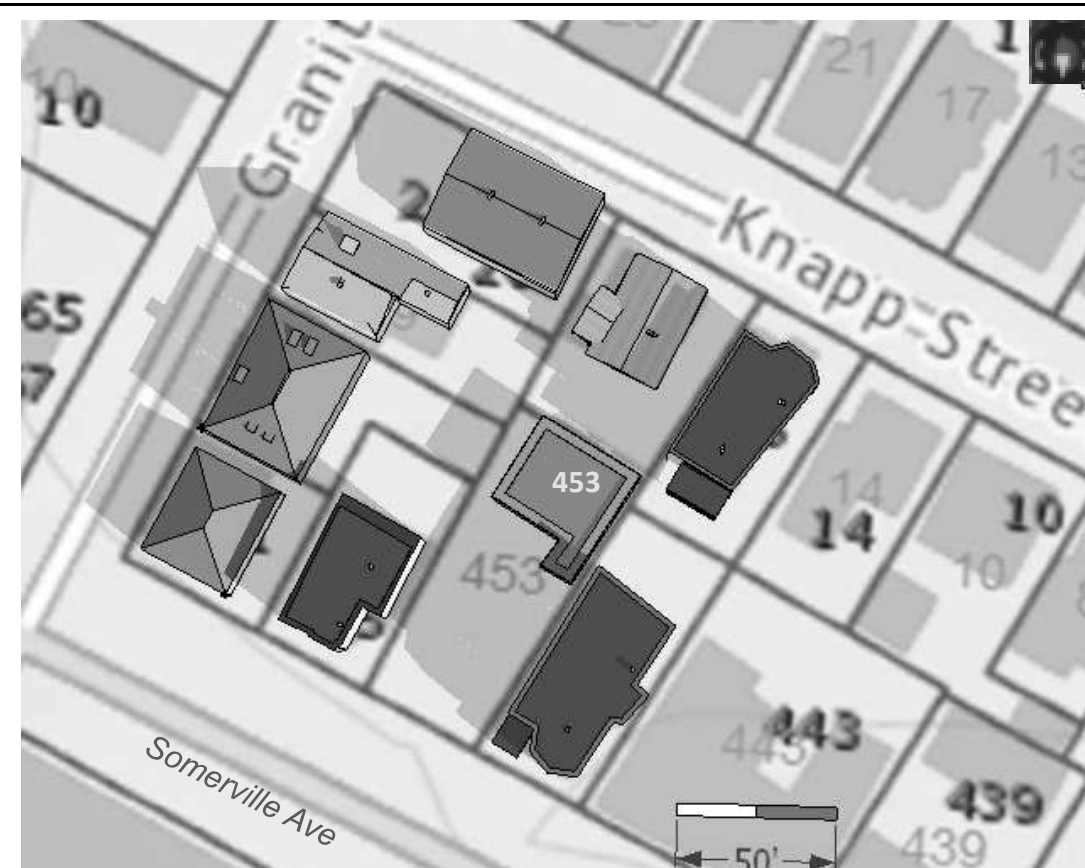
Shadow Studies – Summer Solstice

EXISTING BUILDING

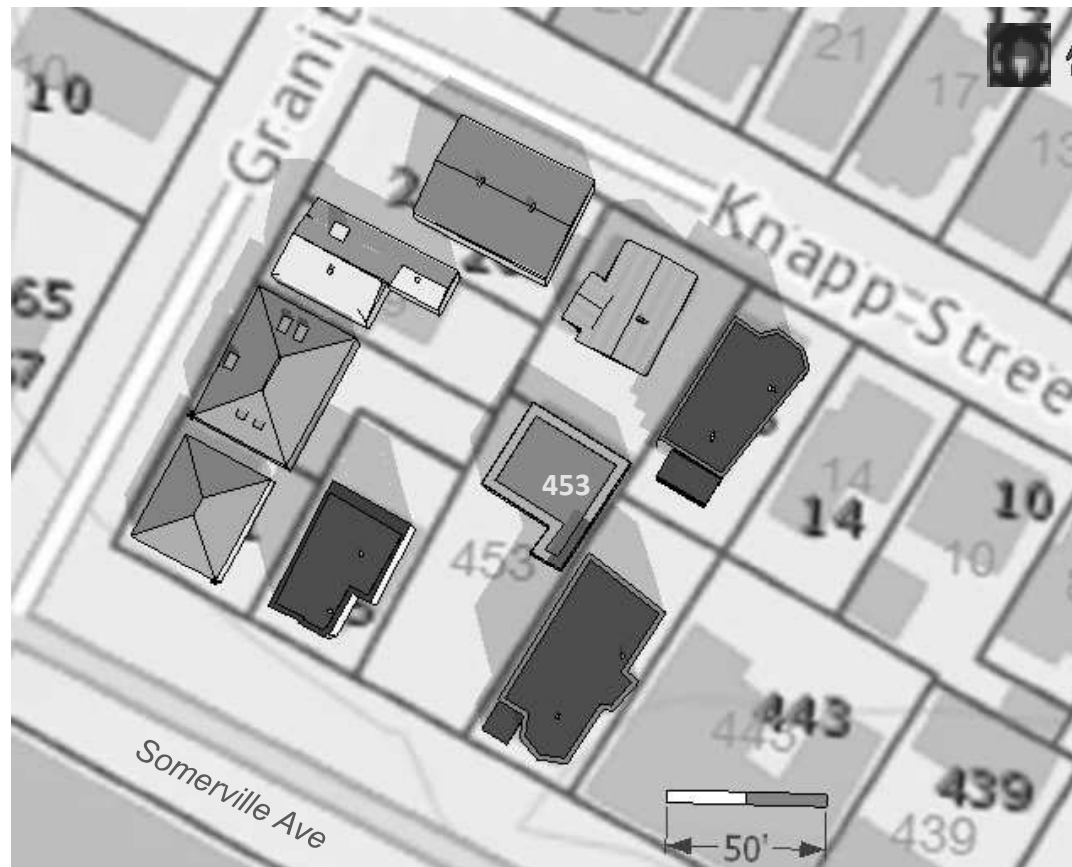
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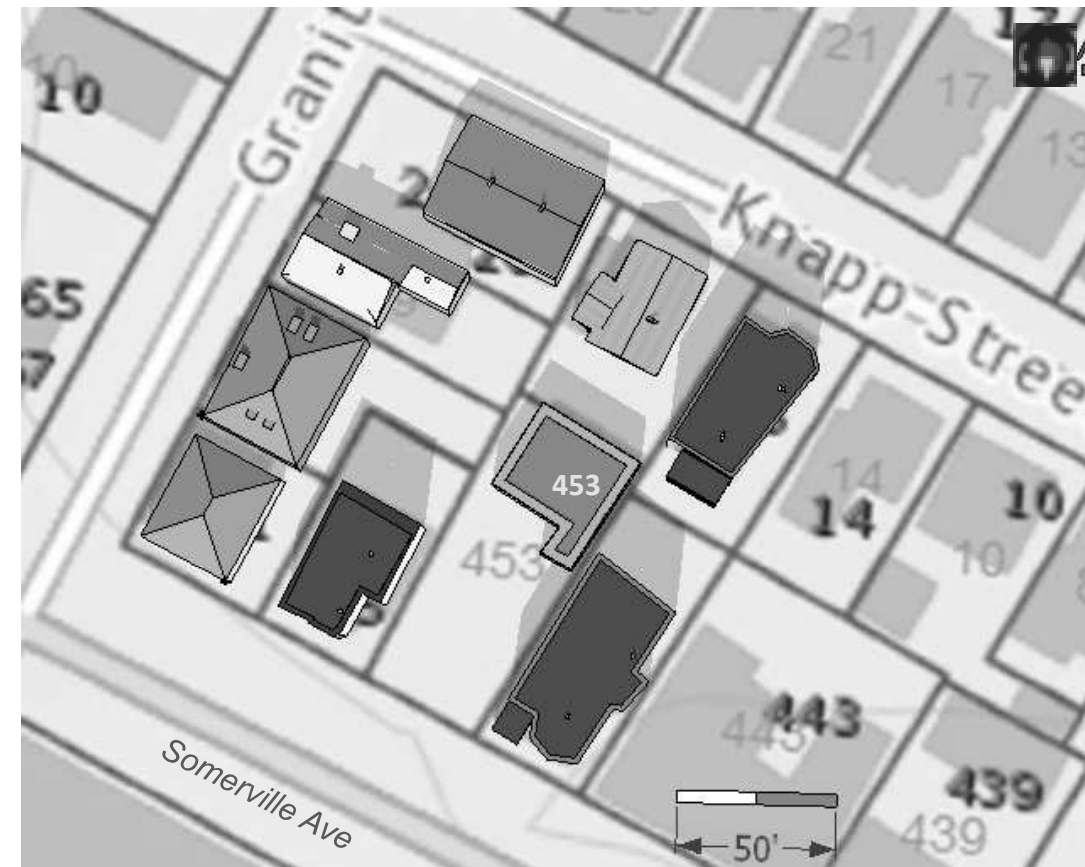
12 PM



2 PM



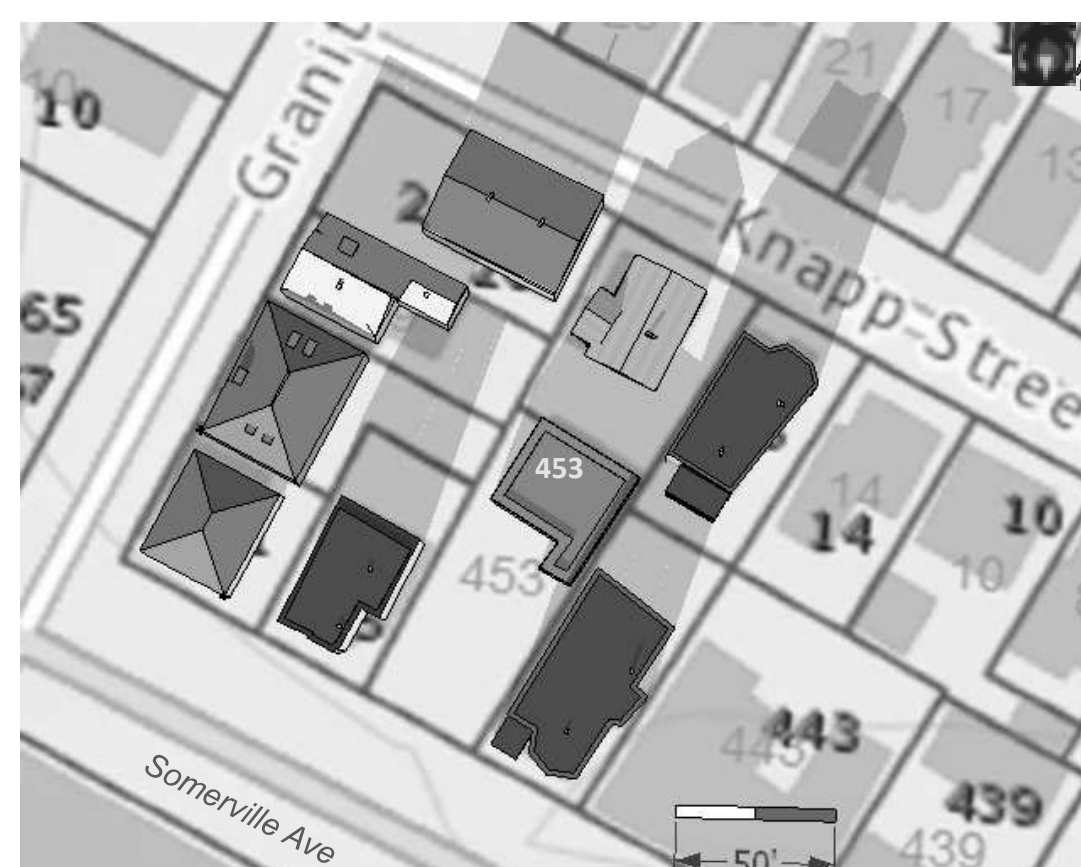
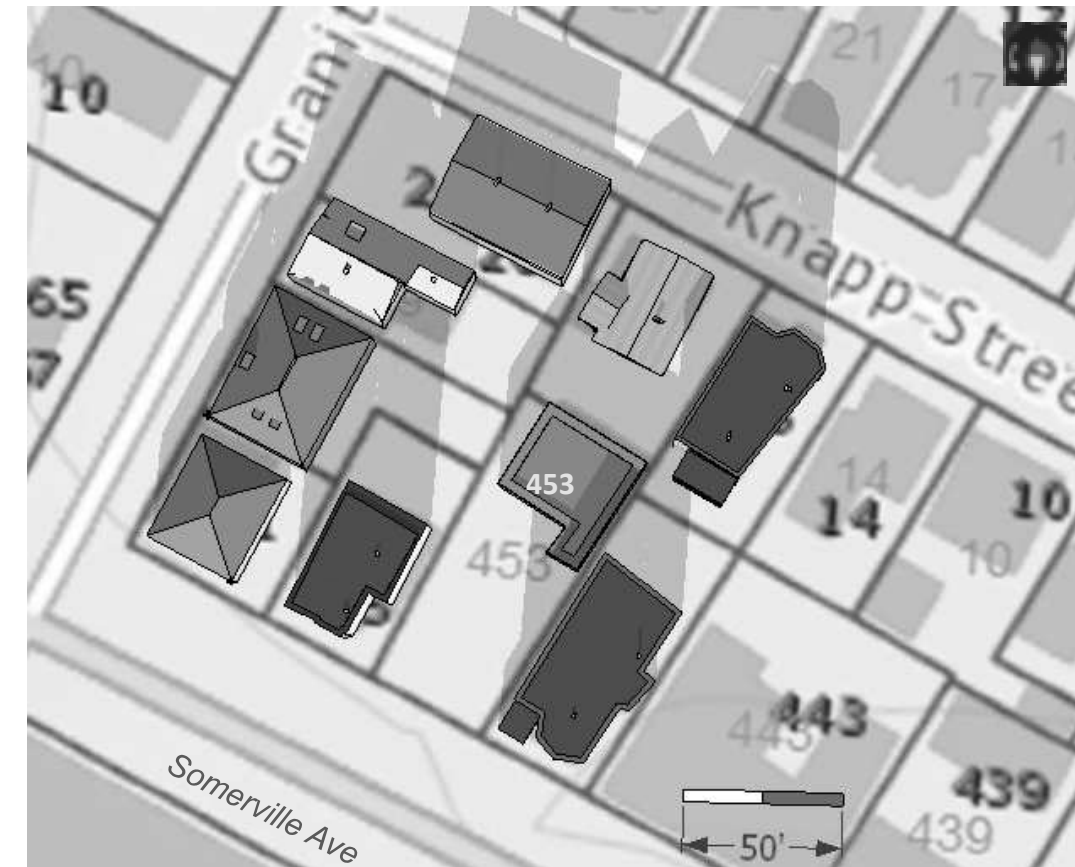
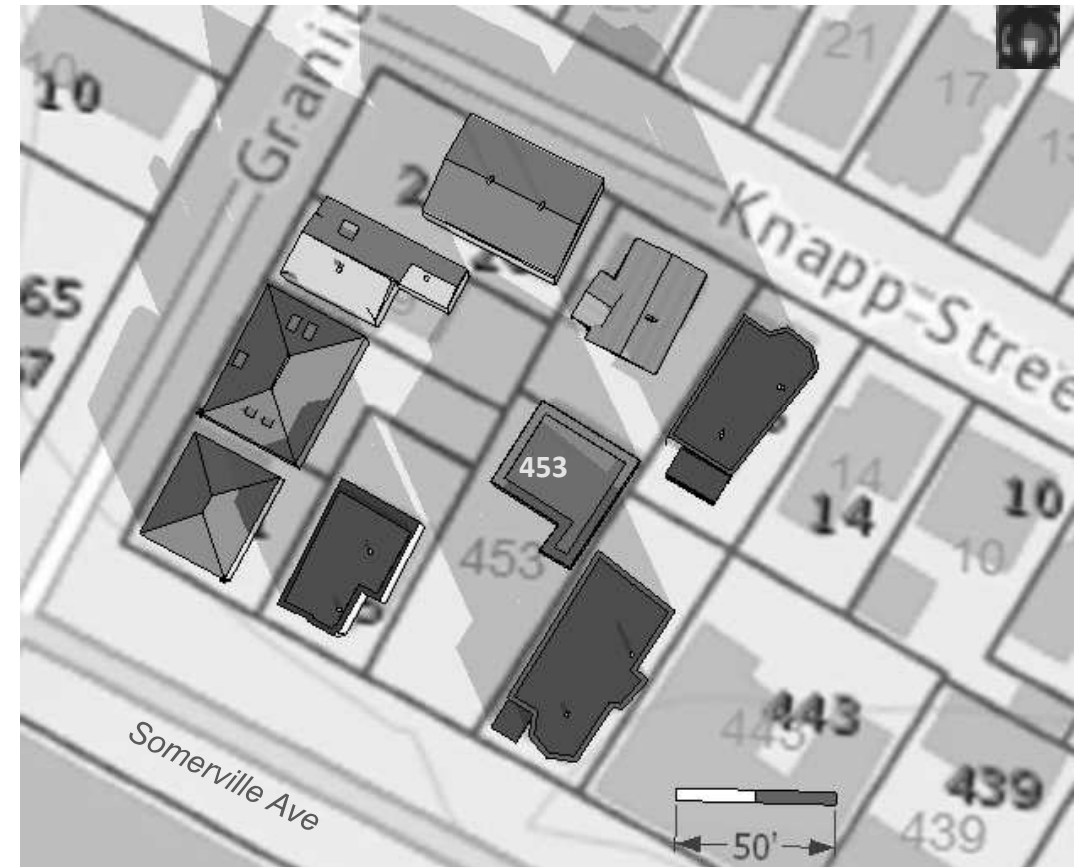
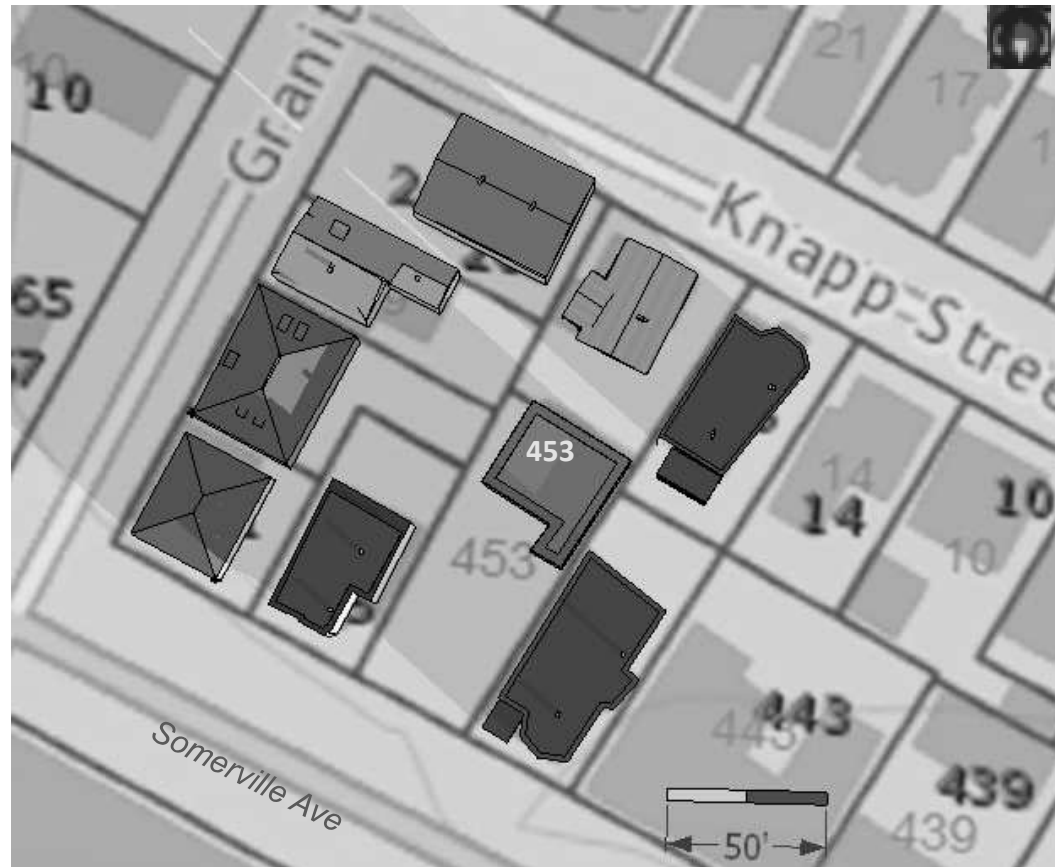
3 PM



Shadow Studies – Spring / Fall Equinox

10 AM

12 PM



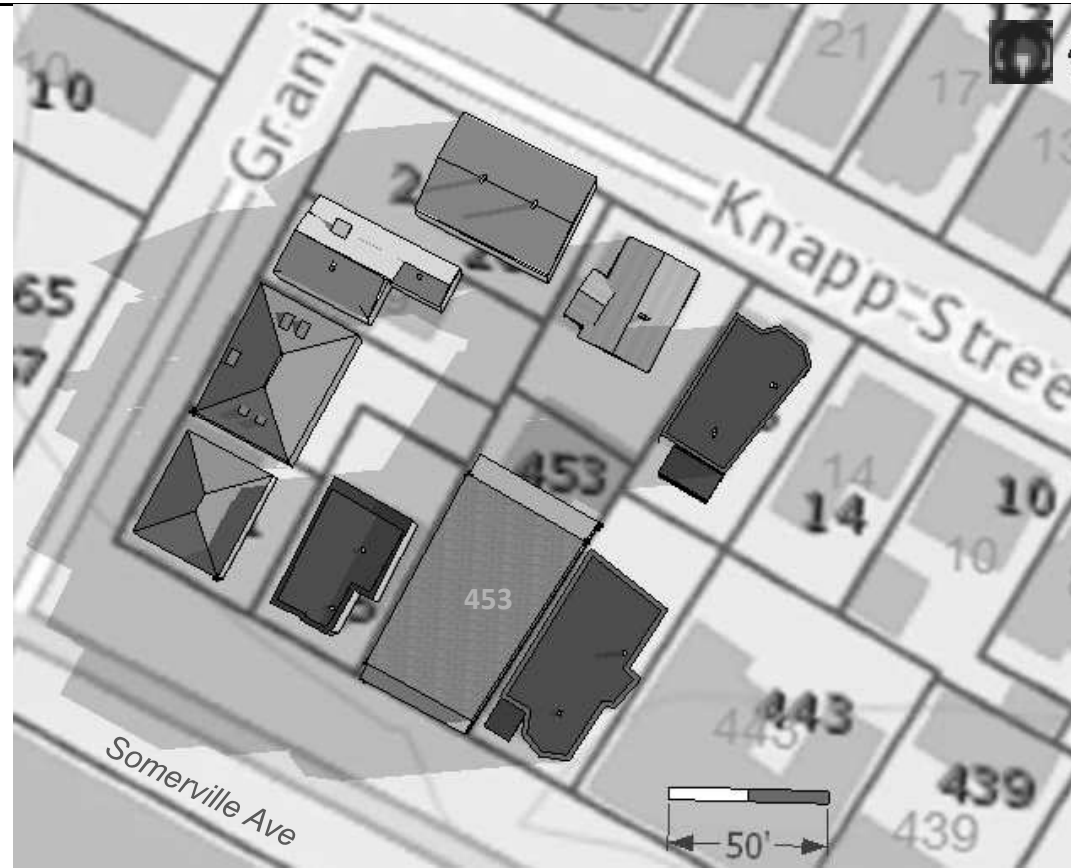
2 PM

3 PM

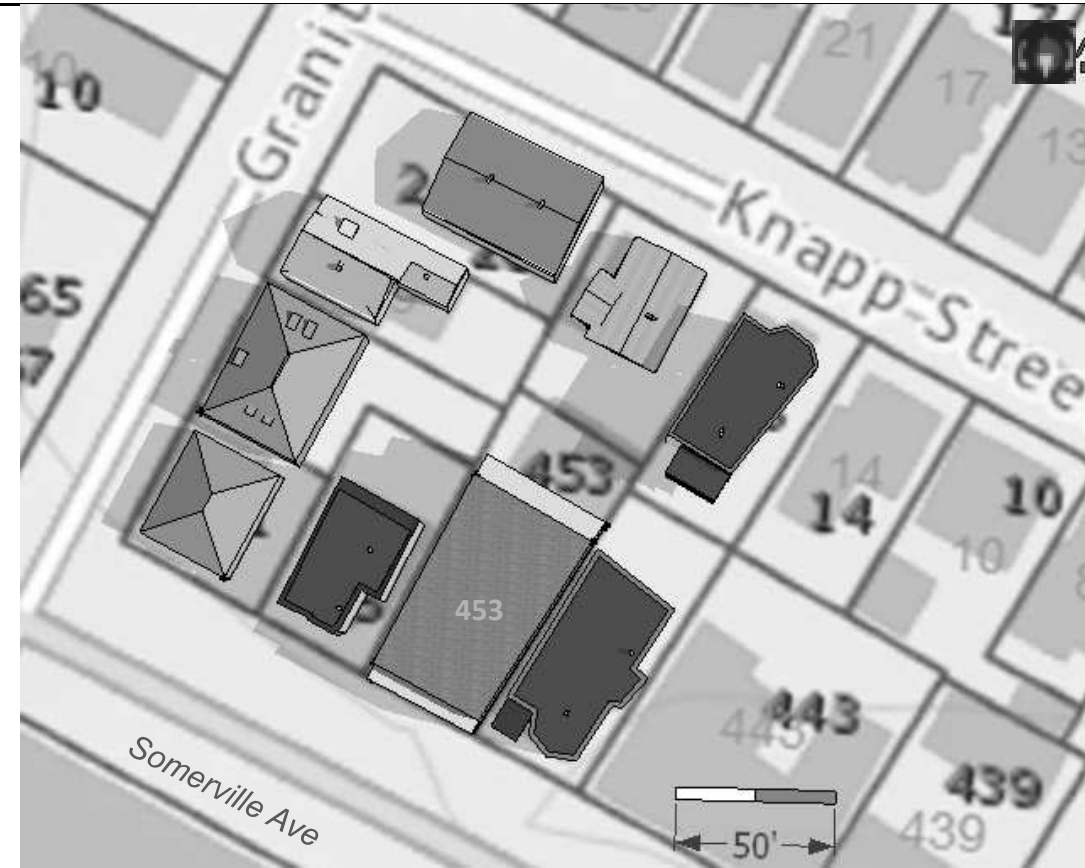
Shadow Studies – Winter Solstice

PROPOSED BUILDING

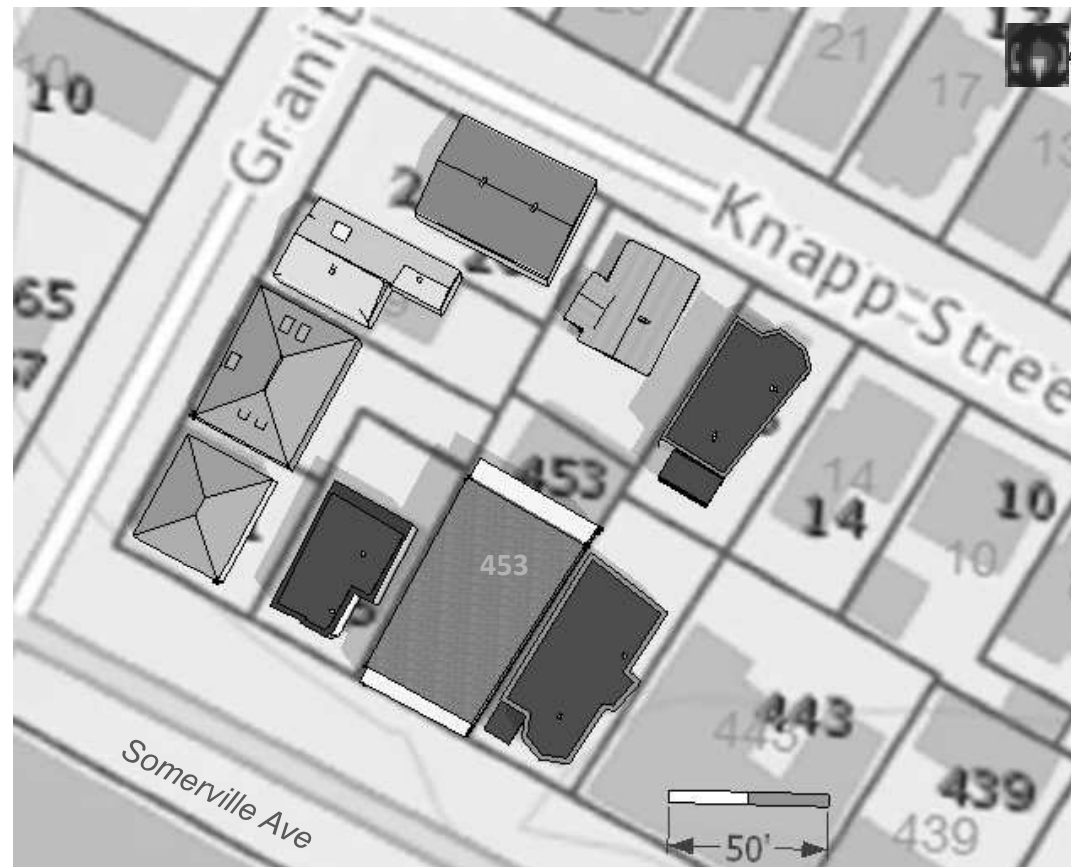
10 AM



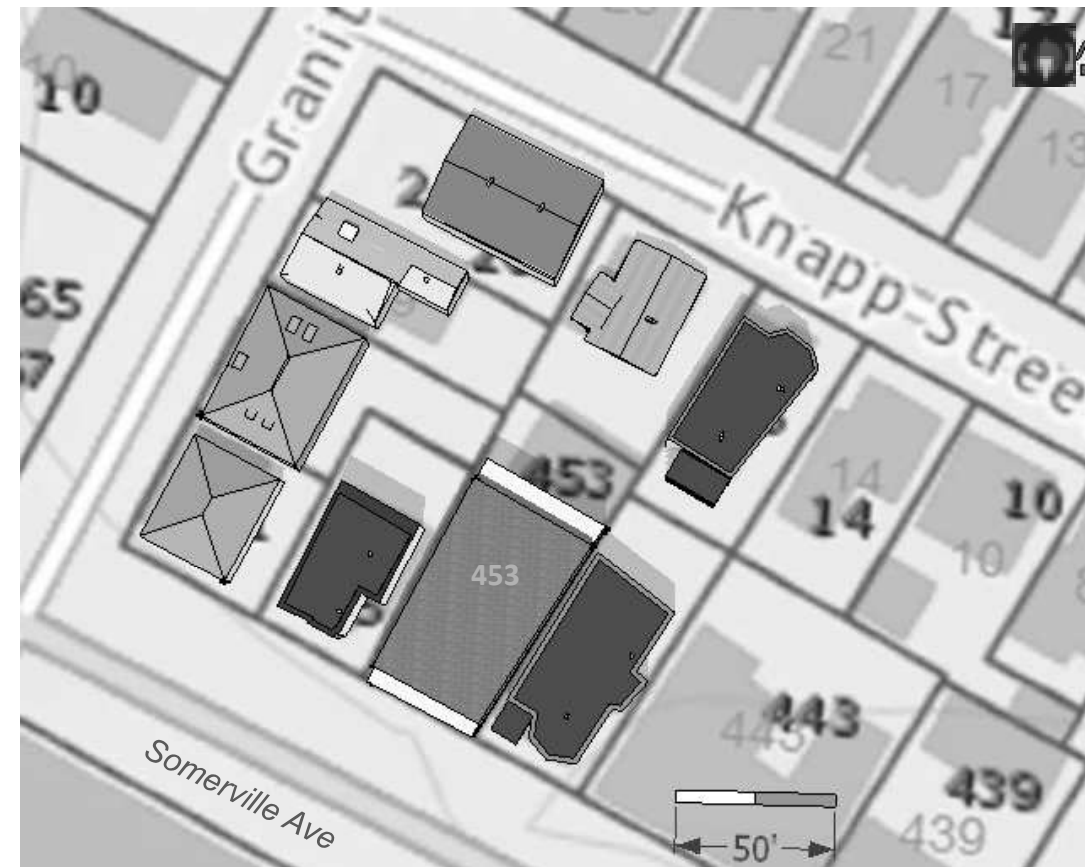
12 PM



2 PM



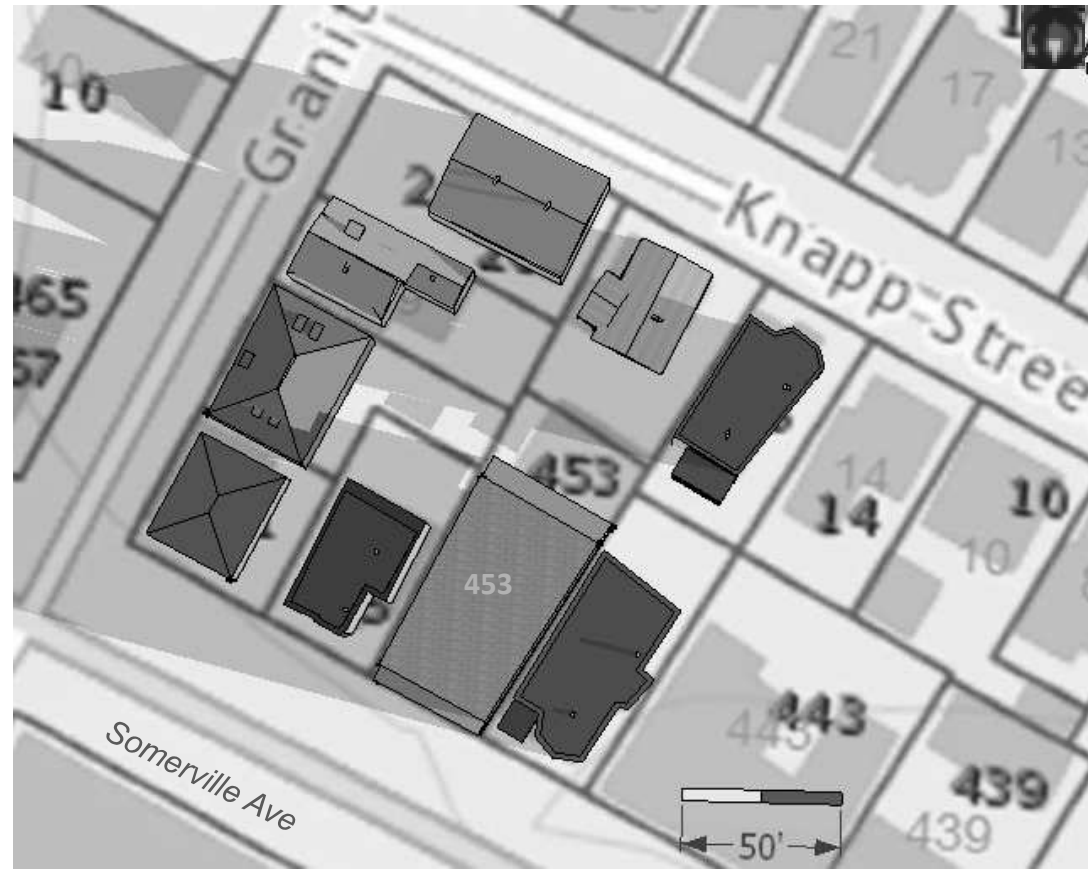
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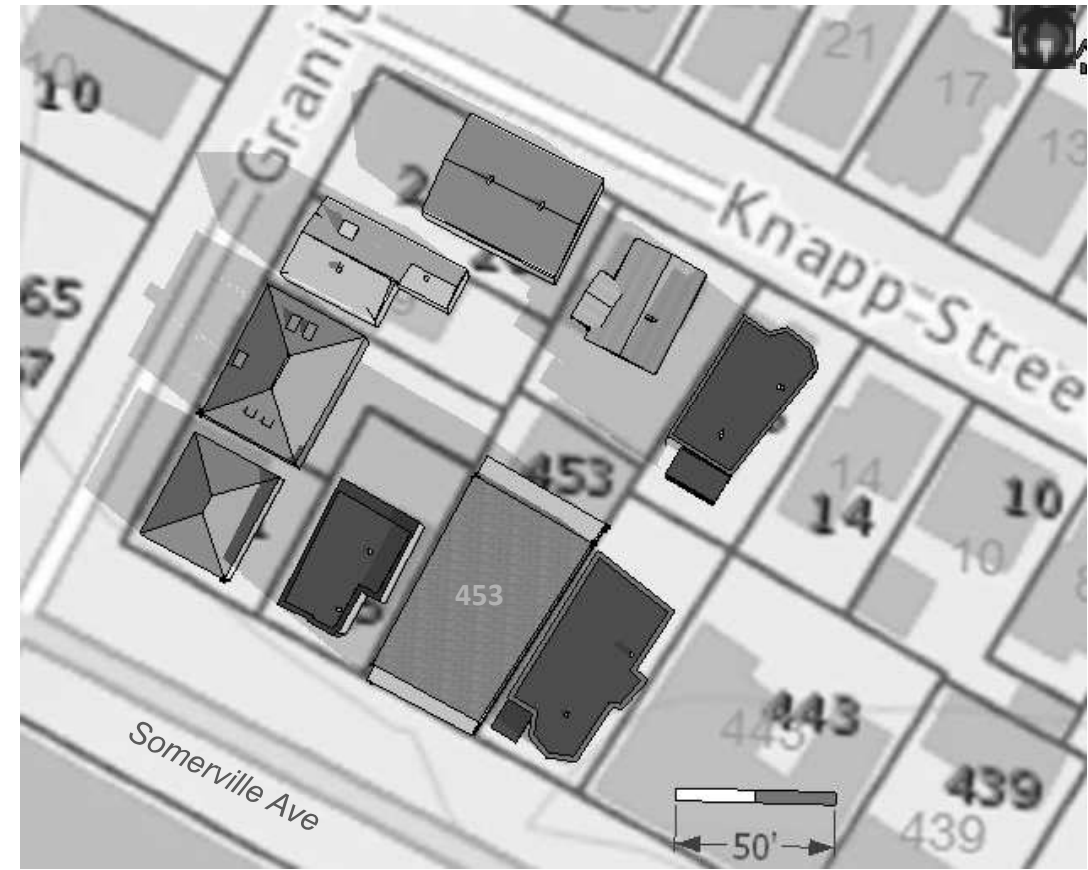
Shadow Studies – Summer Solstice

PROPOSED BUILDING

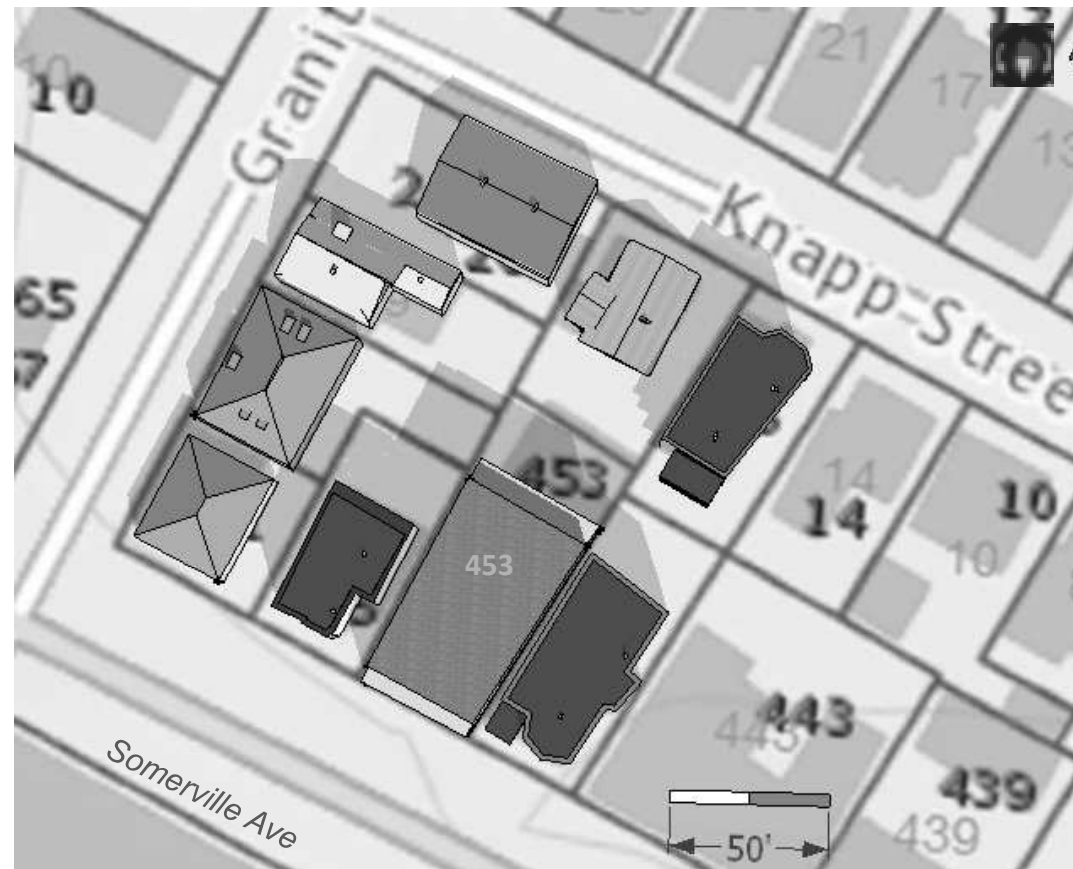
10 AM



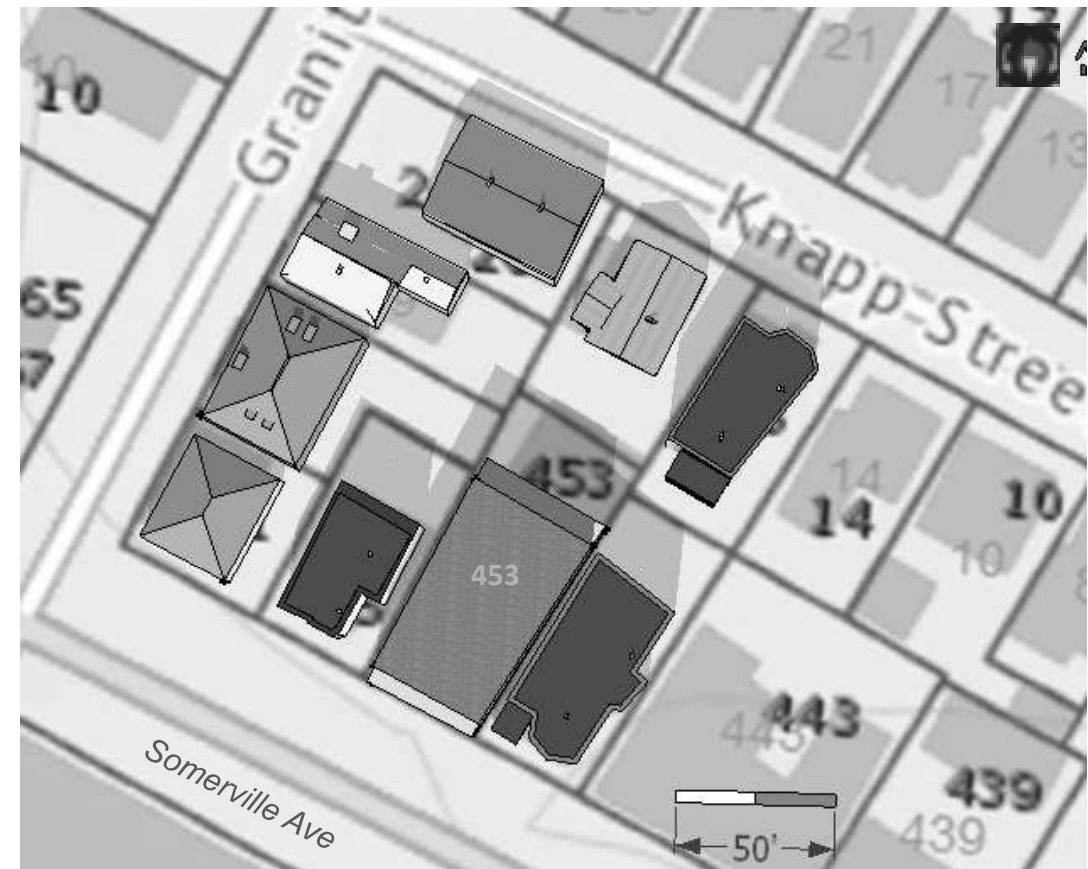
12 PM



2 PM



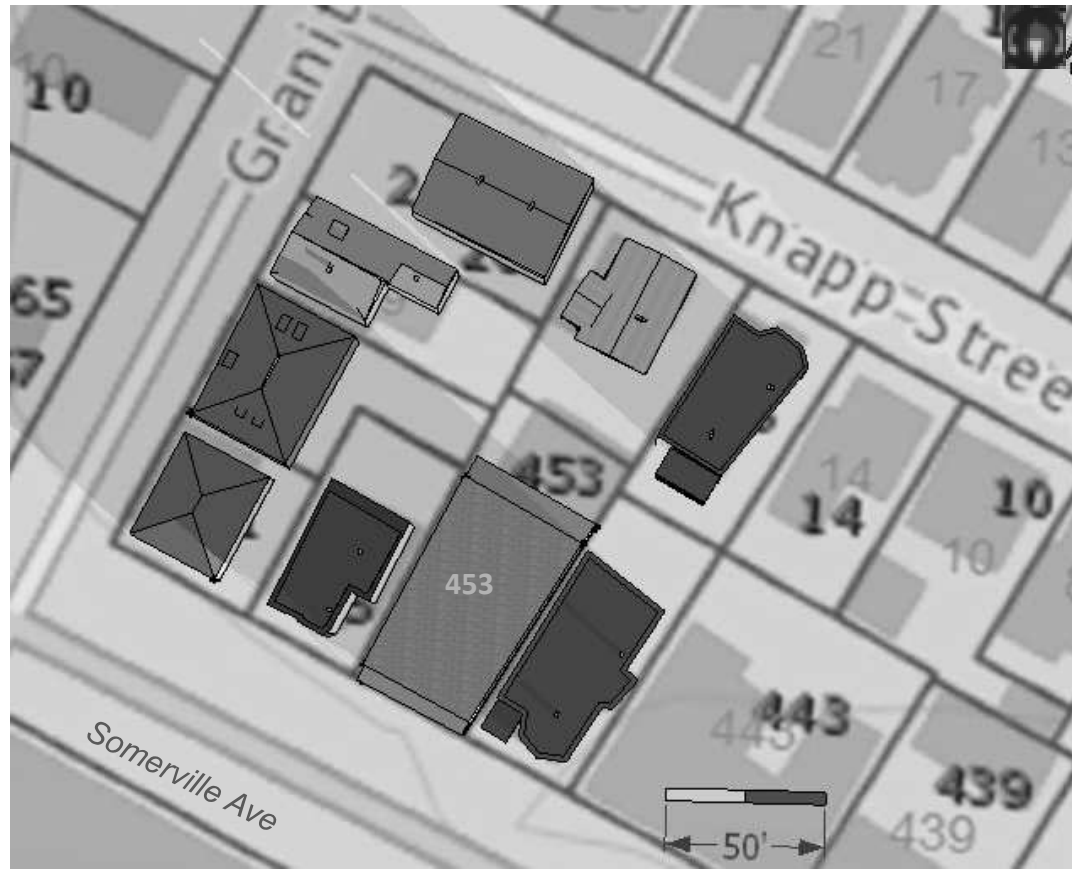
3 PM



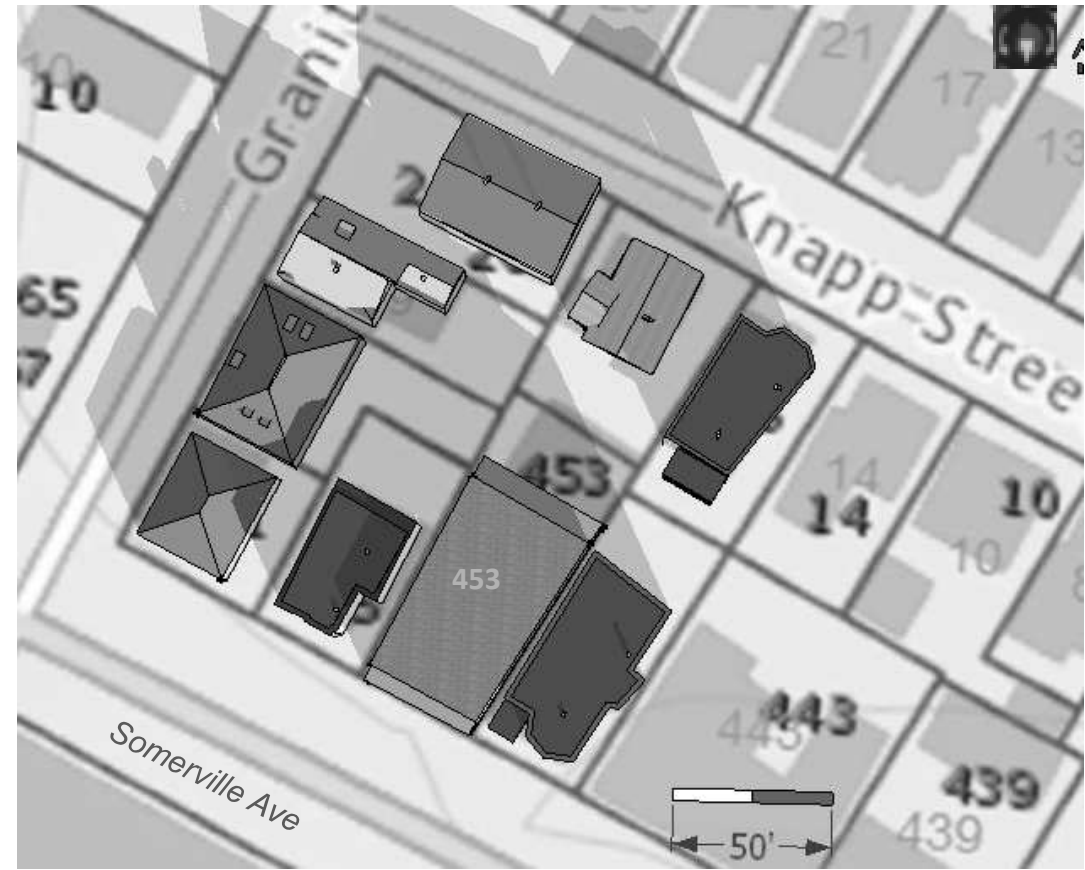
Shadow Studies – Spring / Fall Equinox

PROPOSED BUILDING

10 AM



12 PM



2 PM



3 PM



Shadow Studies – Winter Solstice

SUMMER SOLSTICE

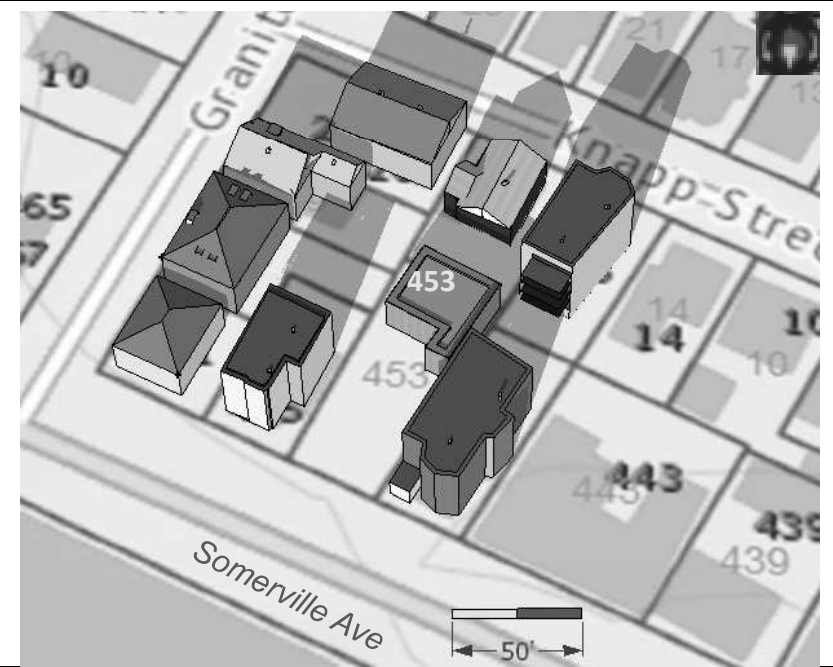
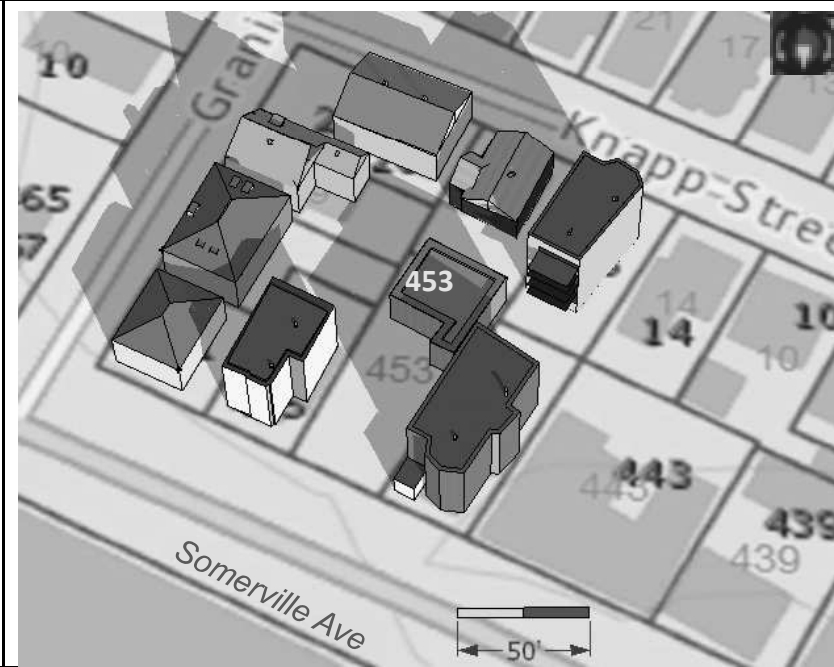
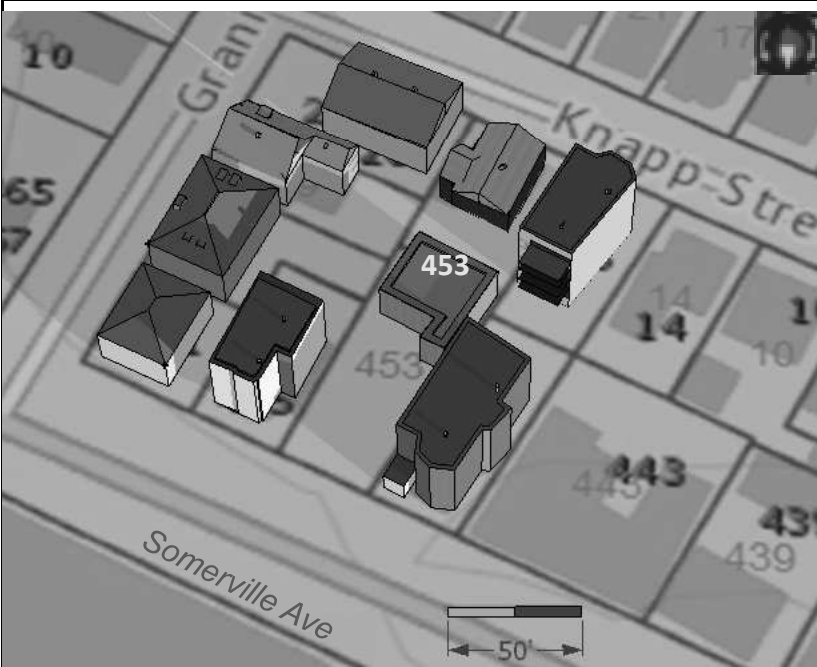
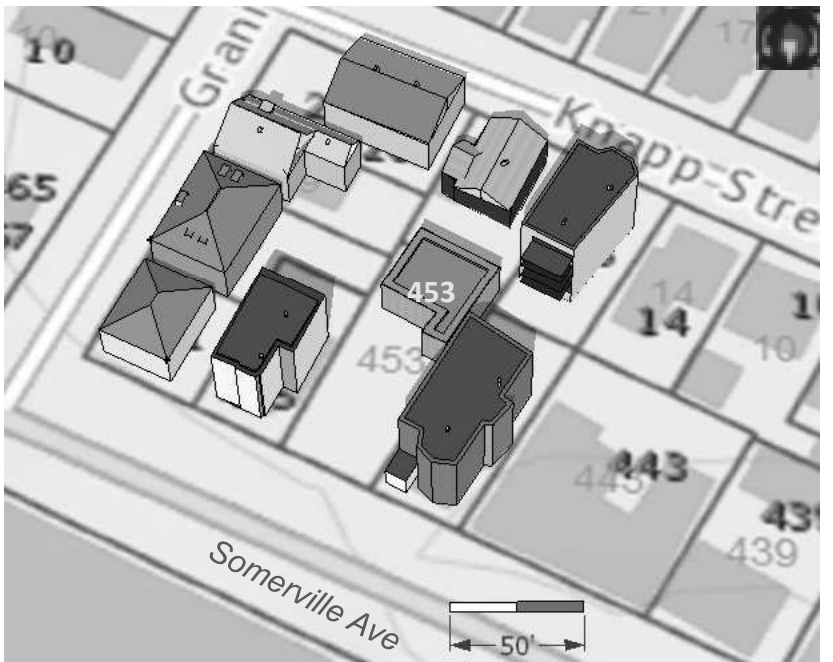
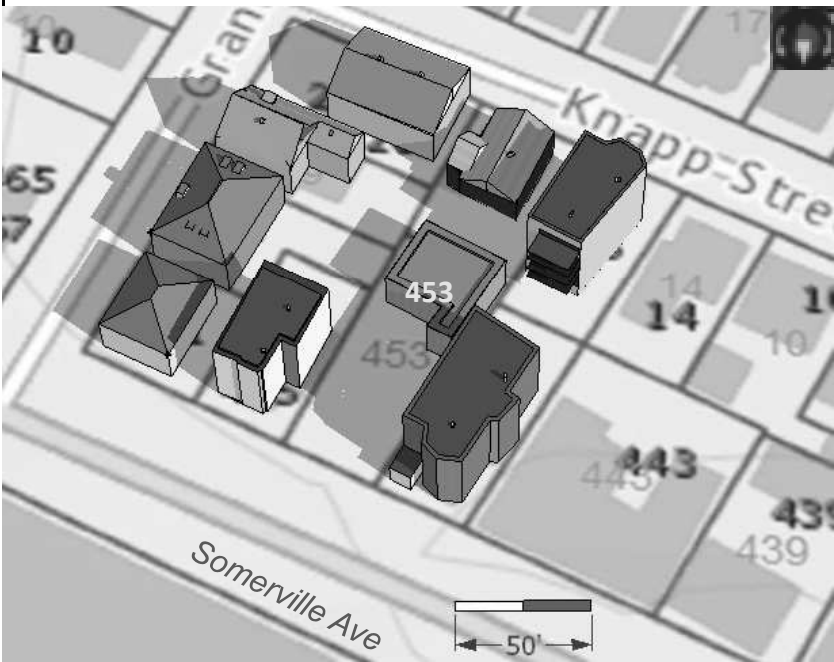
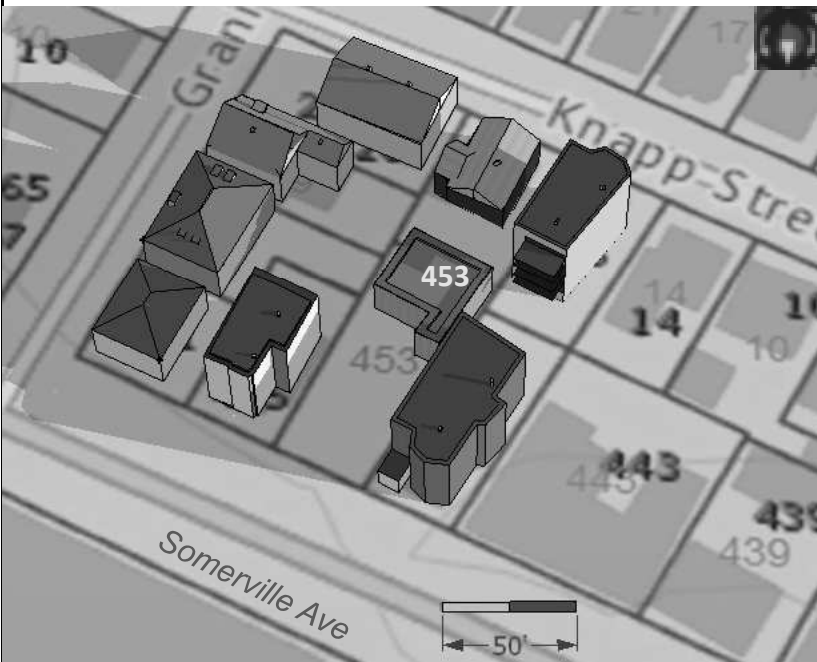
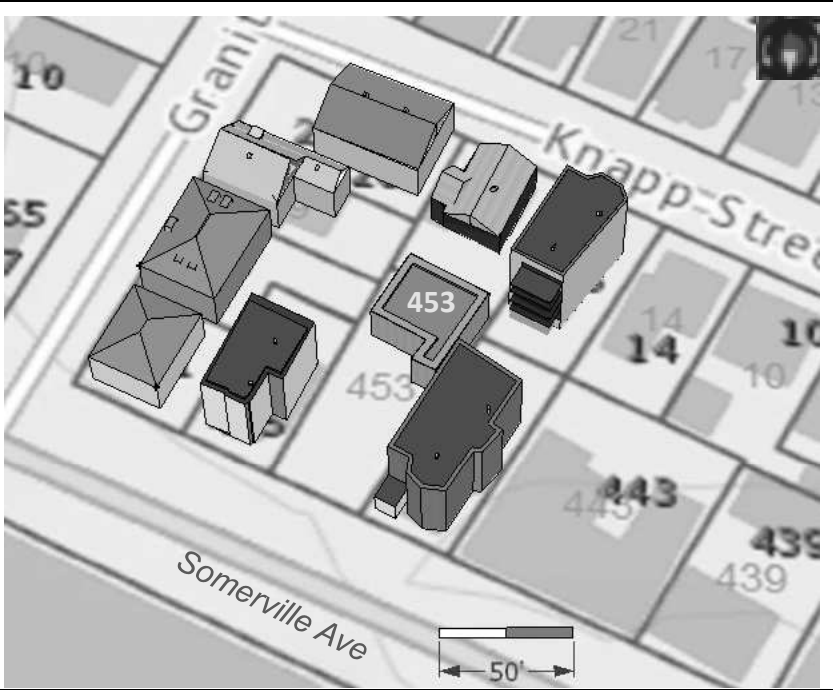
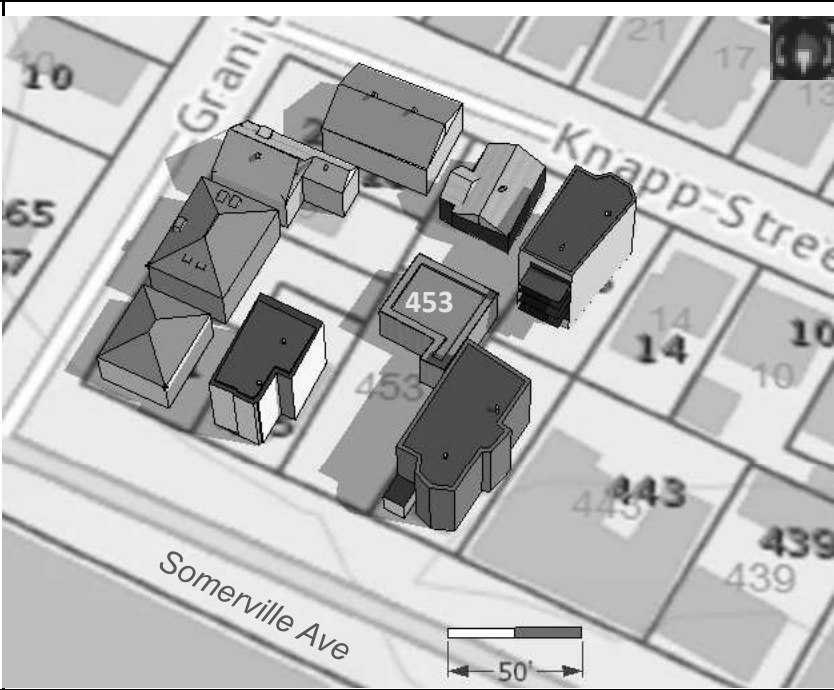
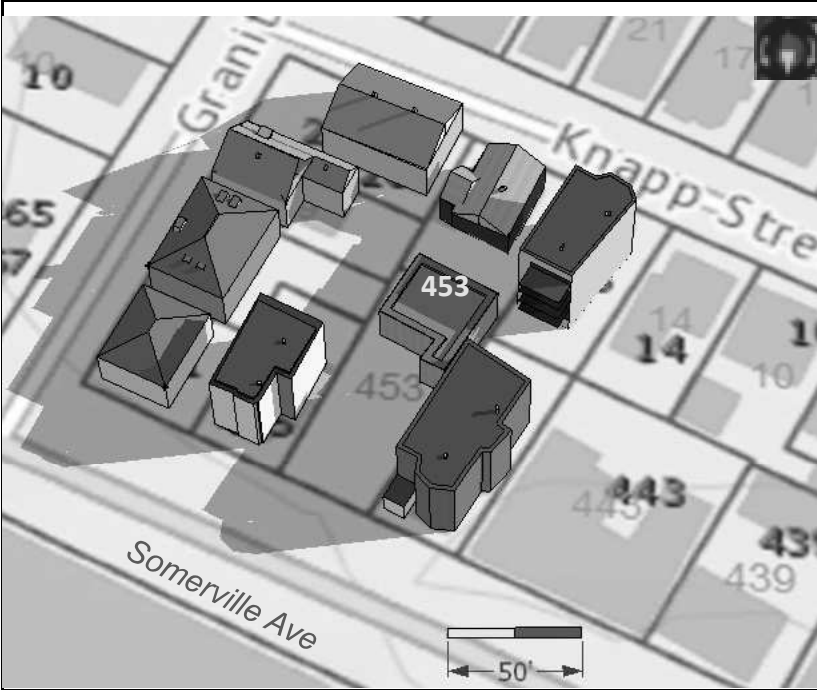
FALL / SPRING EQUINOX

WINTER SOLSTICE

MORNING (9 – 10 AM)

NOON (12 – 1 PM)

AFTERNOON (3 – 4 PM)



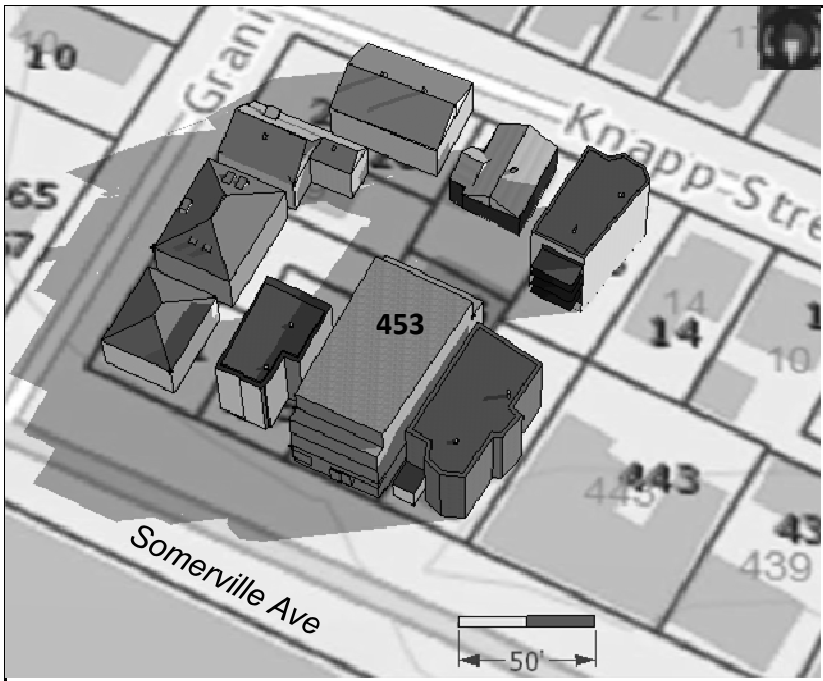
PROJECT NAME	
453 SOMERVILLE	
PROJECT ADDRESS	
453 SOMERVILLE AVE SOMERVILLE, MA	
Architects and Planners	
JACK SAADE, EIT	
REVISIONS	
SHD 2.0	NOV - 2019
PROJECT	
453 SOMERVILLE	
Drawn by: JAS	
Checked by:	
Date	NOV -2019
Scale	As Noted
Drawing Title	
SHADOW STUDY EXISTING BUILDING TIME ZONE: UTC-05.00 Daylight Time: UTC-04.00	
SHD-1	

SUMMER SOLSTICE

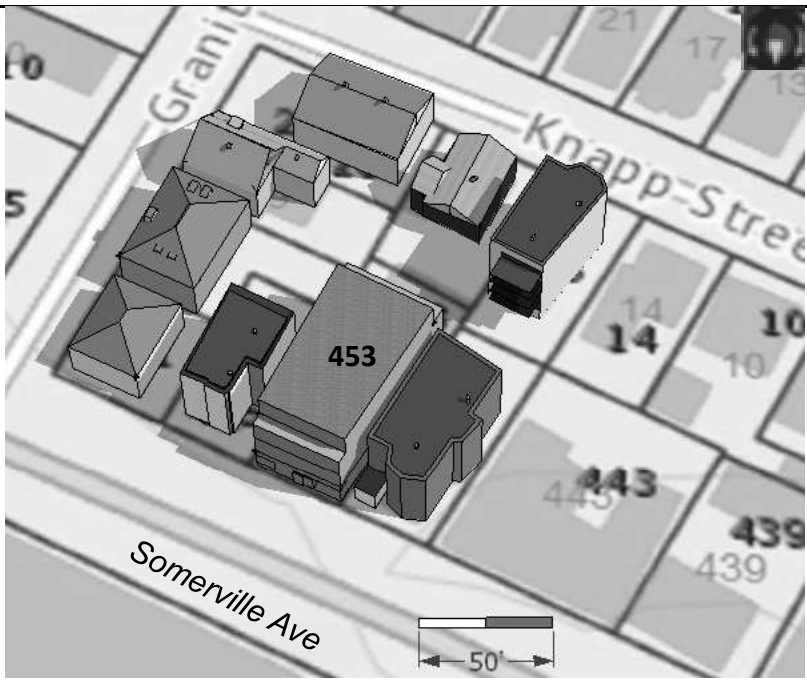
FALL / SPRING EQUINOX

WINTER SOLSTICE

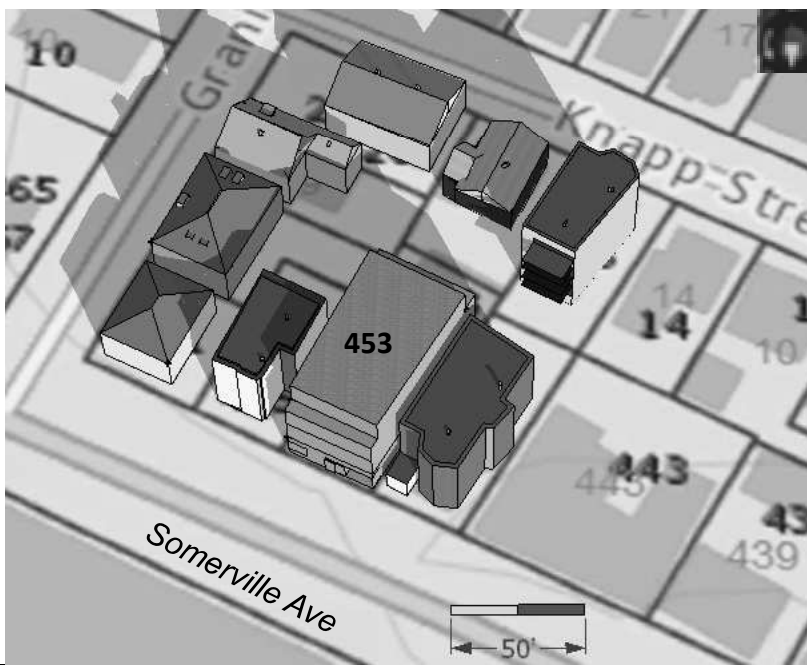
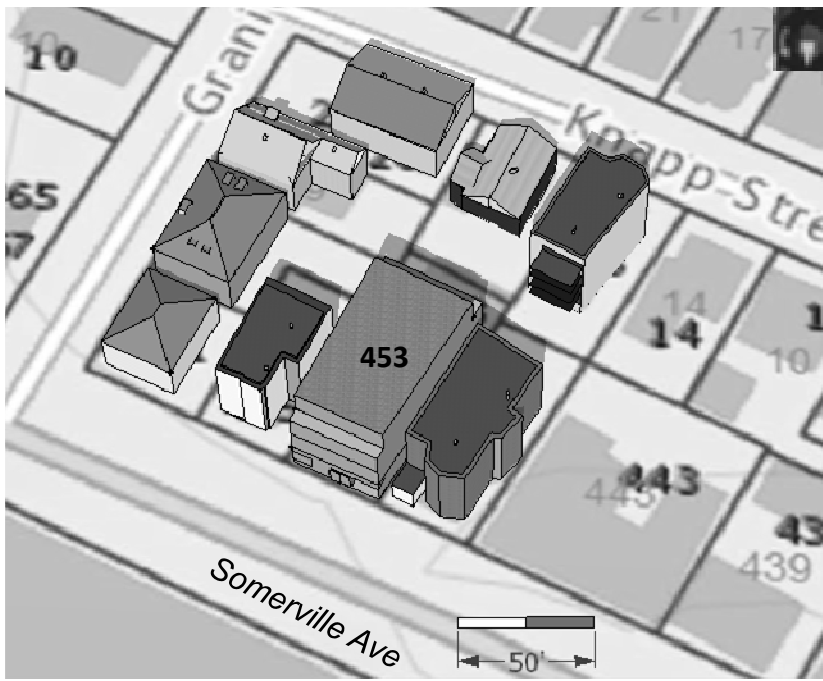
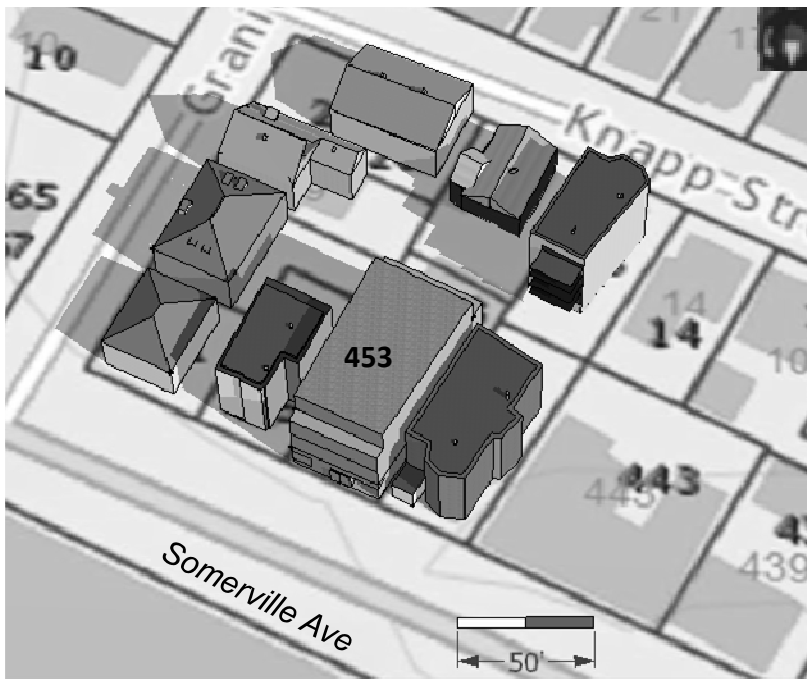
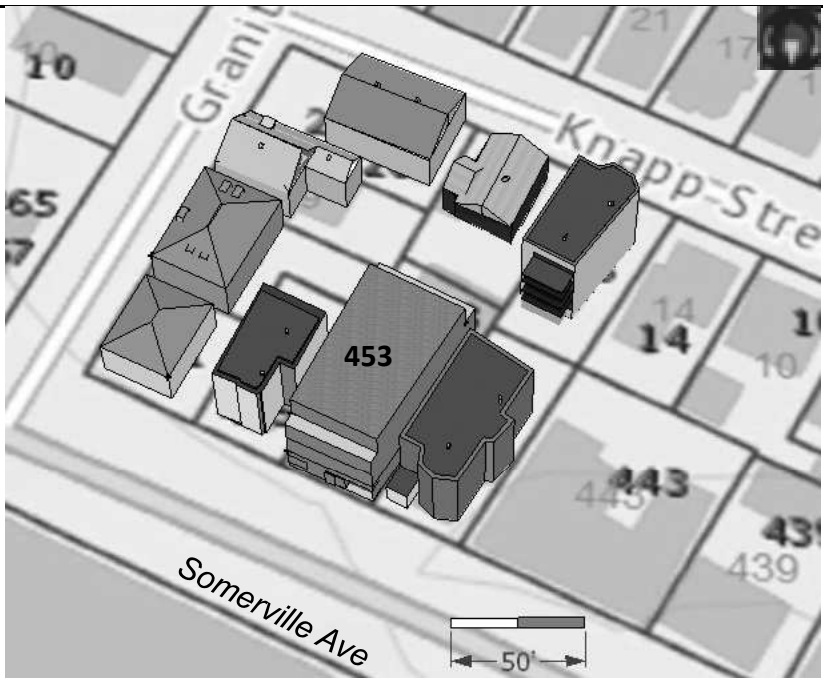
MORNING (9 – 10 AM)



NOON (12 – 1 PM)



AFTERNOON (3 – 4 PM)



PROJECT NAME	
453 SOMERVILLE	
PROJECT ADDRESS	
453 SOMERVILLE AVE SOMERVILLE, MA	
Architects and Planners	
JACK SAADE, EIT	
REVISIONS	
SHD 2.0	NOV - 2019
PROJECT	
453 SOMERVILLE	
Drawn by: JAS	
Checked by:	
Date	
Scale	
As Noted	
Drawing Title	
SHADOW STUDY PROPOSED BUILDING TIME ZONE: UTC-05.00 Daylight Time: UTC-04.00	
SHD-2	