

# 222 BASELINE



Photo by Tetyana Kovyryna: <https://www.pexels.com/photo/close-up-photo-of-wheat-1600139/>

## SHADOW STUDY

PREPARED FOR: PETER HUME (HP URBAN)

DATE: NOV / 23 / 2023

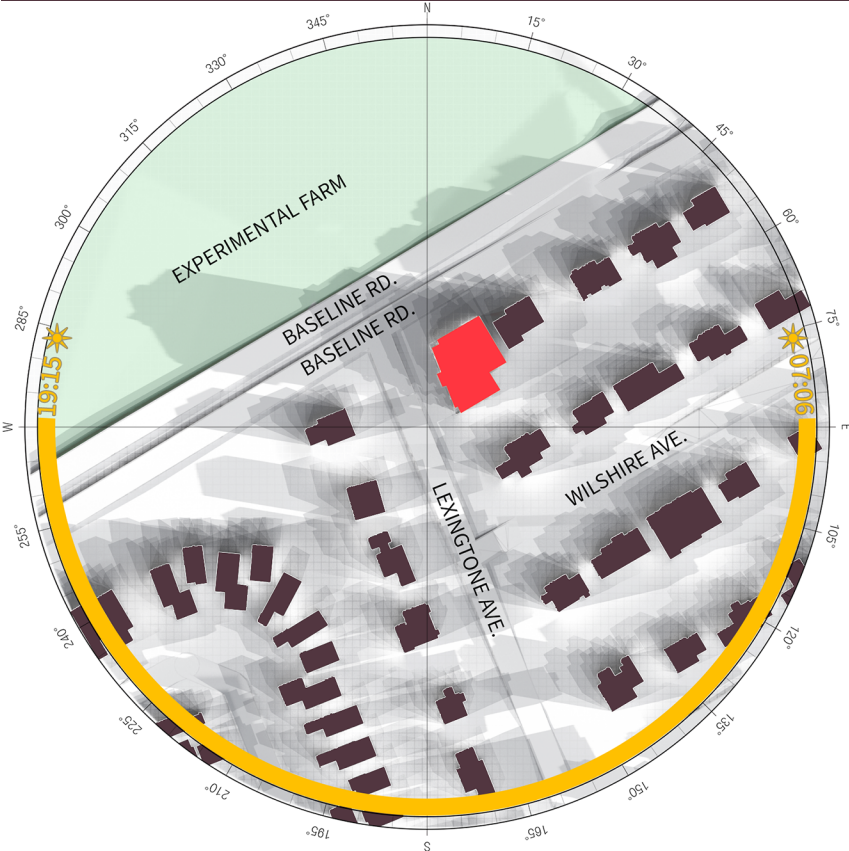


VERNAL EQUINOX, 2023

DATE: MAR / 23 / 2023  
SUNRISE: 07:06 @ 88°E  
SUNSET: 19:15 @ 273°W  
DURATION: 12:18:22 (HRS:MIN:SEC)  
LOCAL MERIDIAN: 13:09 @ 180°S

- SUBJECT PROPERTY
- PROXIMAL BUILDINGS
- CENTRAL EXPERIMENTAL FARM (CEF)

SAMPLE SIZE: 0.14 KM<sup>2</sup>  
SHADOW SAMPLE INTERVAL: HOURLY  
DATA COURTESY OF [timeanddate.com](http://timeanddate.com)

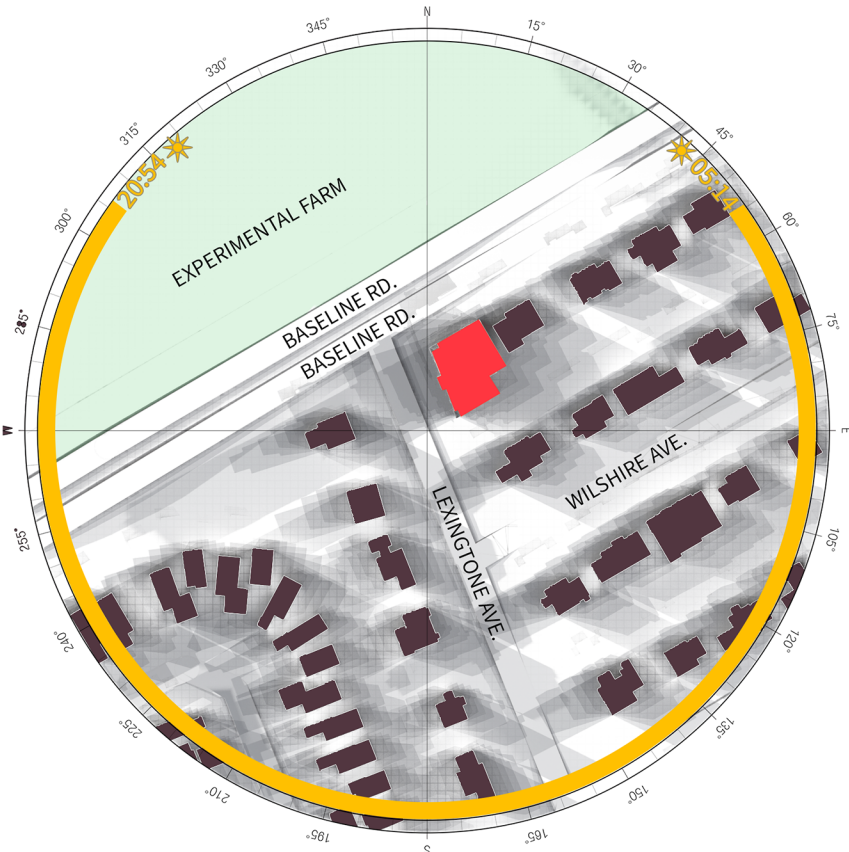


SUMMER SOLSTICE, 2023

DATE: JUN / 21 / 2023  
SUNRISE: 05:14 @ 54°E  
SUNSET: 20:54 @ 306°NW  
DURATION: 15:40:26 (HRS:MIN:SEC)  
LOCAL MERIDIAN: 13:04 @ 180°S

- SUBJECT PROPERTY
- PROXIMAL BUILDINGS
- CENTRAL EXPERIMENTAL FARM (CEF)

SAMPLE SIZE: 0.14 KM<sup>2</sup>  
SHOWDOW SAMPLE INTERVAL: HOURLY  
DATA COURTESY OF [timeanddate.com](http://timeanddate.com)

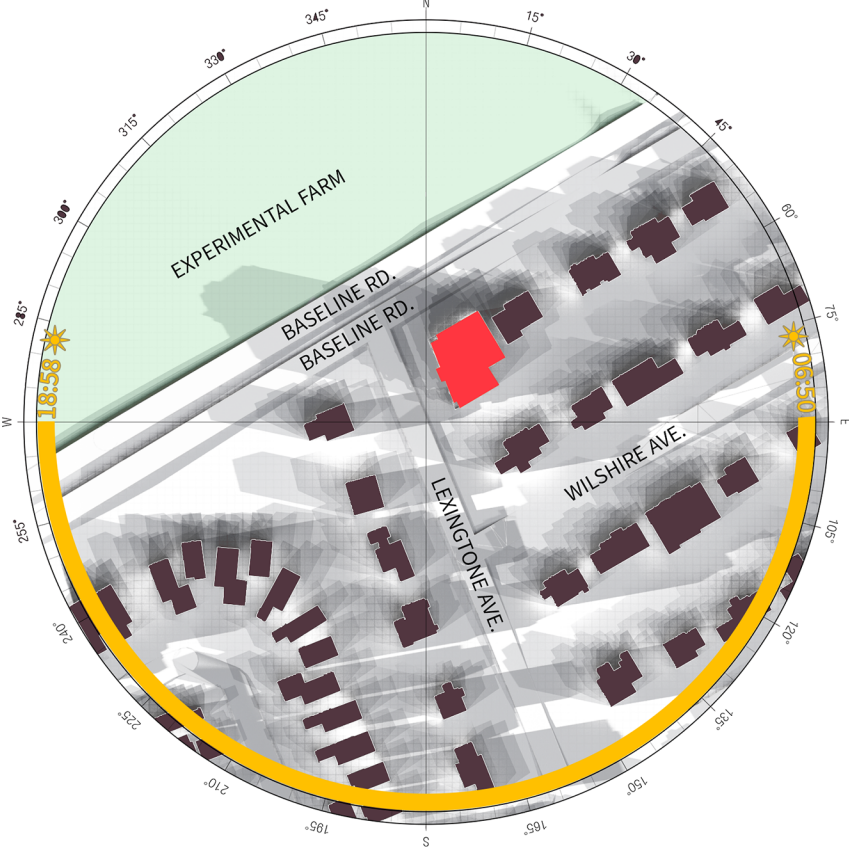


### AUTUMNAL EQUINOX, 2023

DATE: SEP / 23 / 2023  
SUNRISE: 06:50 @ 89°E  
SUNSET: 18:58 @ 270°W  
DURATION: 12:07:56 (HRS:MIN:SEC)  
LOCAL MERIDIAN: 12:55 @ 180°S

- SUBJECT PROPERTY
- PROXIMAL BUILDINGS
- CENTRAL EXPERIMENTAL FARM (CEF)

SAMPLE SIZE: 0.14 KM<sup>2</sup>  
SHADOW SAMPLE INTERVAL: HOURLY  
DATA COURTESY OF [timeanddate.com](http://timeanddate.com)



### WINTER EQUINOX, 2023

DATE: DEC / 21 / 2023  
SUNRISE: 07:39 @ 123°ESE  
SUNSET: 4:22 @ 236°WSW  
DURATION: 8:42:52 (HRS:MIN:SEC)  
LOCAL MERIDIAN: 12:00 @ 180°S

- SUBJECT PROPERTY
- PROXIMAL BUILDINGS
- CENTRAL EXPERIMENTAL FARM (CEF)

SAMPLE SIZE: 0.14 KM<sup>2</sup>  
SHOWDOW SAMPLE INTERVAL: HOURLY  
DATA COURTESY OF [timeanddate.com](http://timeanddate.com)

