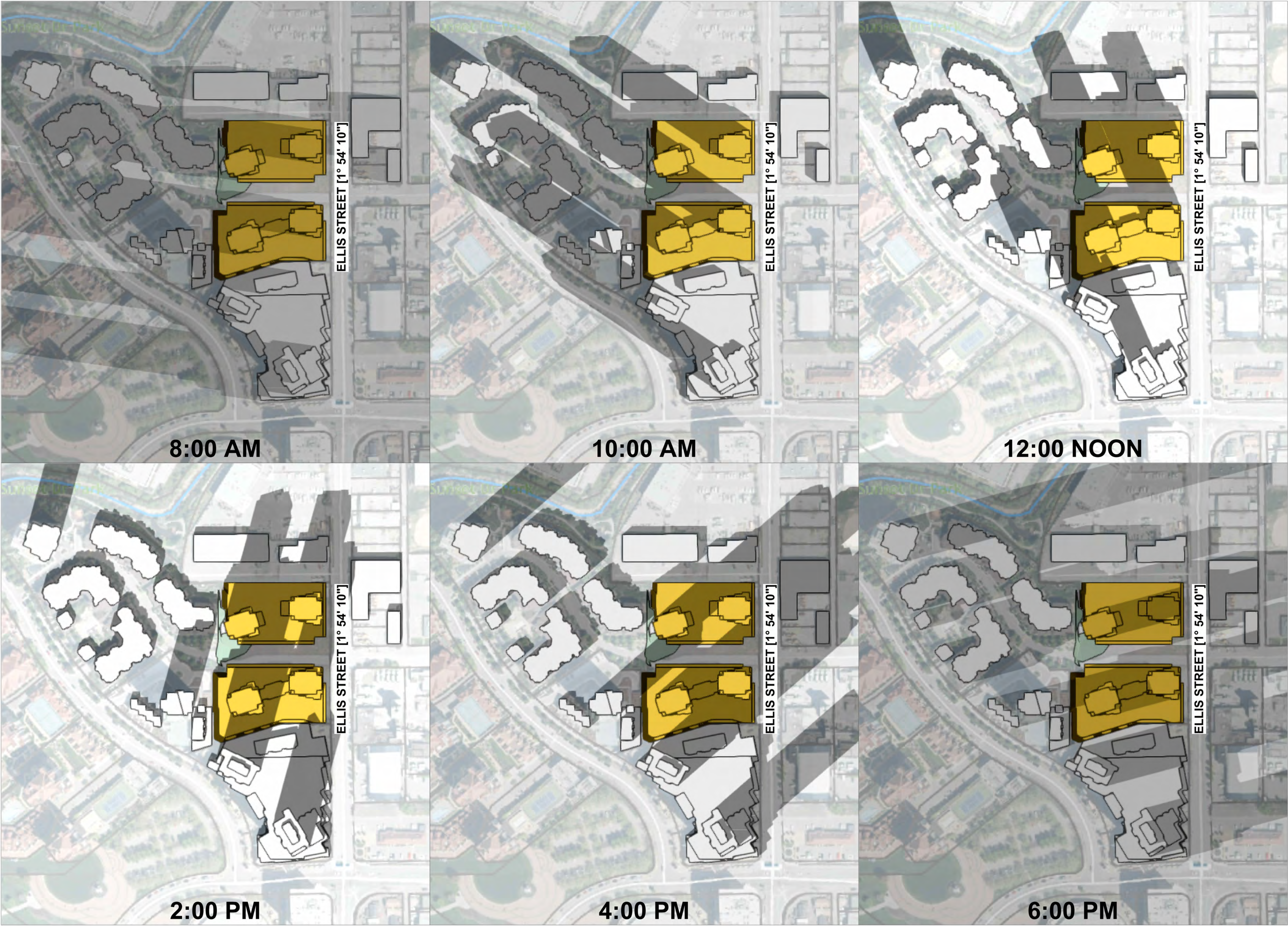
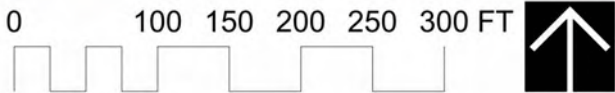


MARCH 21



LOCATION: KELOWNA
POSITION: 49d 53m N 119d 30m W
TIME ZONE: GMT -08:00 PACIFIC 120d W
BASE PLAN: CITY OF KELOWNA GIS DATA
DRAFTED BY: JM



Summary


The towers and podiums are designed to minimize shadowing impacts on adjacent parks, public spaces, and high streets, as per OCP Policy 4.9.3 Shadowing Impacts. The east-west orientation of the buildings helps minimize the shadow impacts to the east and west.

Spring equinox brings sunny mornings and early afternoons to Ellis Street, ensuring that street trees receive ample sunlight to flourish, and warming pedestrians on the sidewalk.

Public spaces to the west of the Vintage at Waterscapes, including the Waterscapes 1 amenity area and Sunset Drive Park, are shaded in the early morning which lifts by noon and stays sunlit for the rest of the day. The east side of the project gets late afternoon shade in the "after school" hours between 4pm and dusk.

CLIENT

Ledingham McAllister


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Arcadis Professional Services (Canada) Inc.
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No.	DESCRIPTION	DATE
A	DEVELOPMENT PERMIT & DEVELOPMENT VARIANCE PERMIT	2025-03-14

ATTACHMENT D

This forms part of application
DP25-0086 DVP25-0087
City of Kelowna
Planner Initials MT
DEVELOPMENT PLANNING

CONSULTANTS

SEAL



ARCADIS

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PROJECT

THE VINTAGE
LOT 2, PLAN KAP86331 DISTRICT LOT139,
1070-1130 ELLIS STREET, KELOWNA
B.C. CANADA. V1Y 1Z4

PROJECT NO:
30260934 (AIBI - 135775)

DRAWN BY:
EP/TM/ZY/PT/AC

CHECKED BY:
SC

PROJECT MGR:
SC

APPROVED BY:
LM

SHEET TITLE

MARCH 21 - SHADOWS

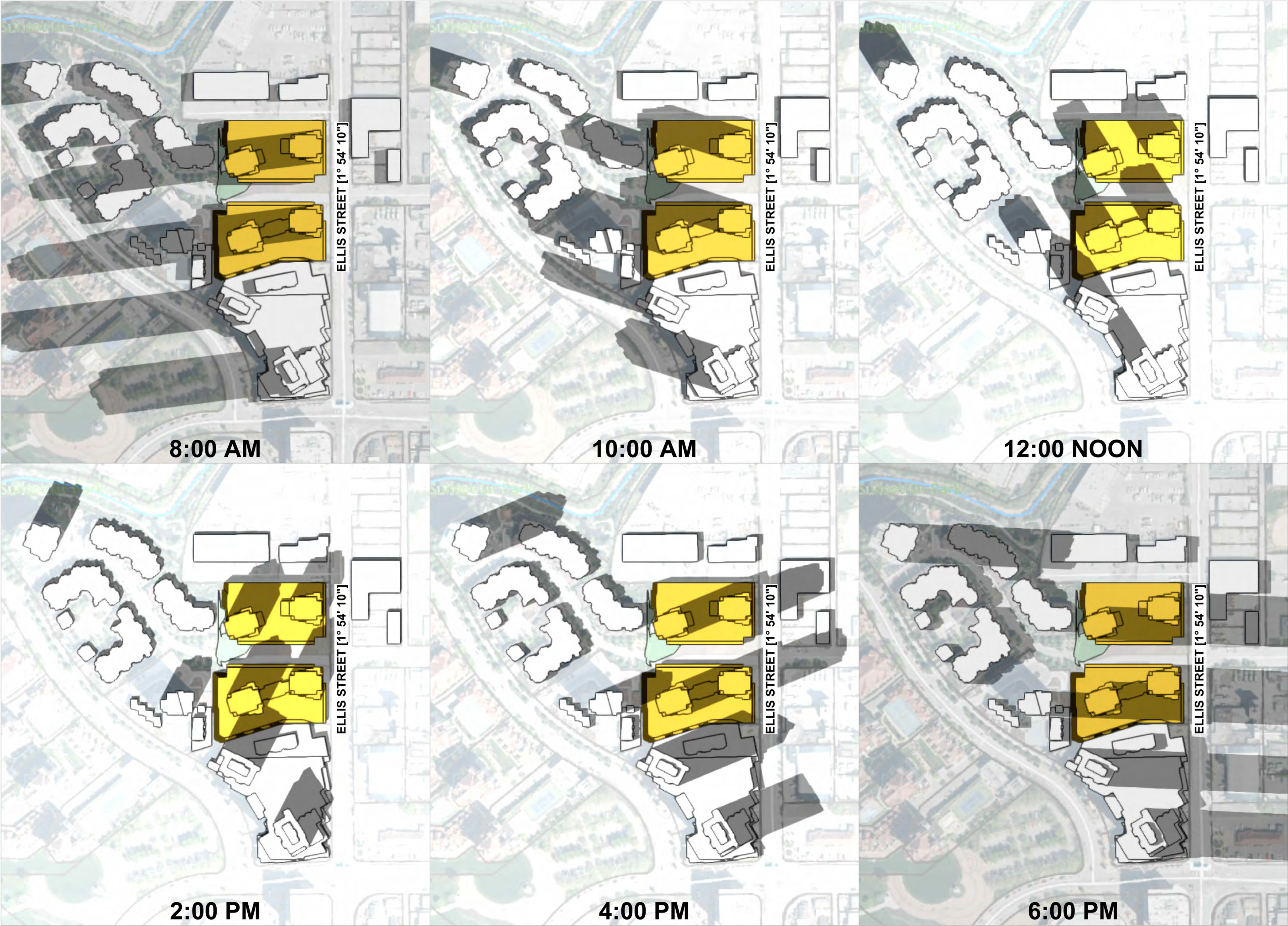
SHEET NUMBER

DP0.08

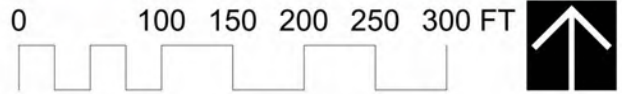
ISSUE

A

JUNE 21



LOCATION: KELOWNA
POSITION: 49d 53m N 119d 30m W
TIME ZONE: GMT -08:00 PACIFIC 120d W
BASE PLAN: CITY OF KELOWNA GIS DATA
DRAFTED BY: JM




Summary

Summer solstice brings the least shadow impacts of the year allowing sunlight for almost the entire day in all public parks and on Ellis Street.

Waterscapes 1 amenity area is in partial shade in the early morning, which dissipates by 10am allowing the pool to be in full sun throughout the day. Sunset Drive Park has no shadow impacts from the Vintage. The eastern side of the project will see some shadwos at dusk as the sun nears the horizon on the west.

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No.	DESCRIPTION	DATE
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ATTACHMENT D

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DP25-0086 DVP25-0087
City of Kelowna
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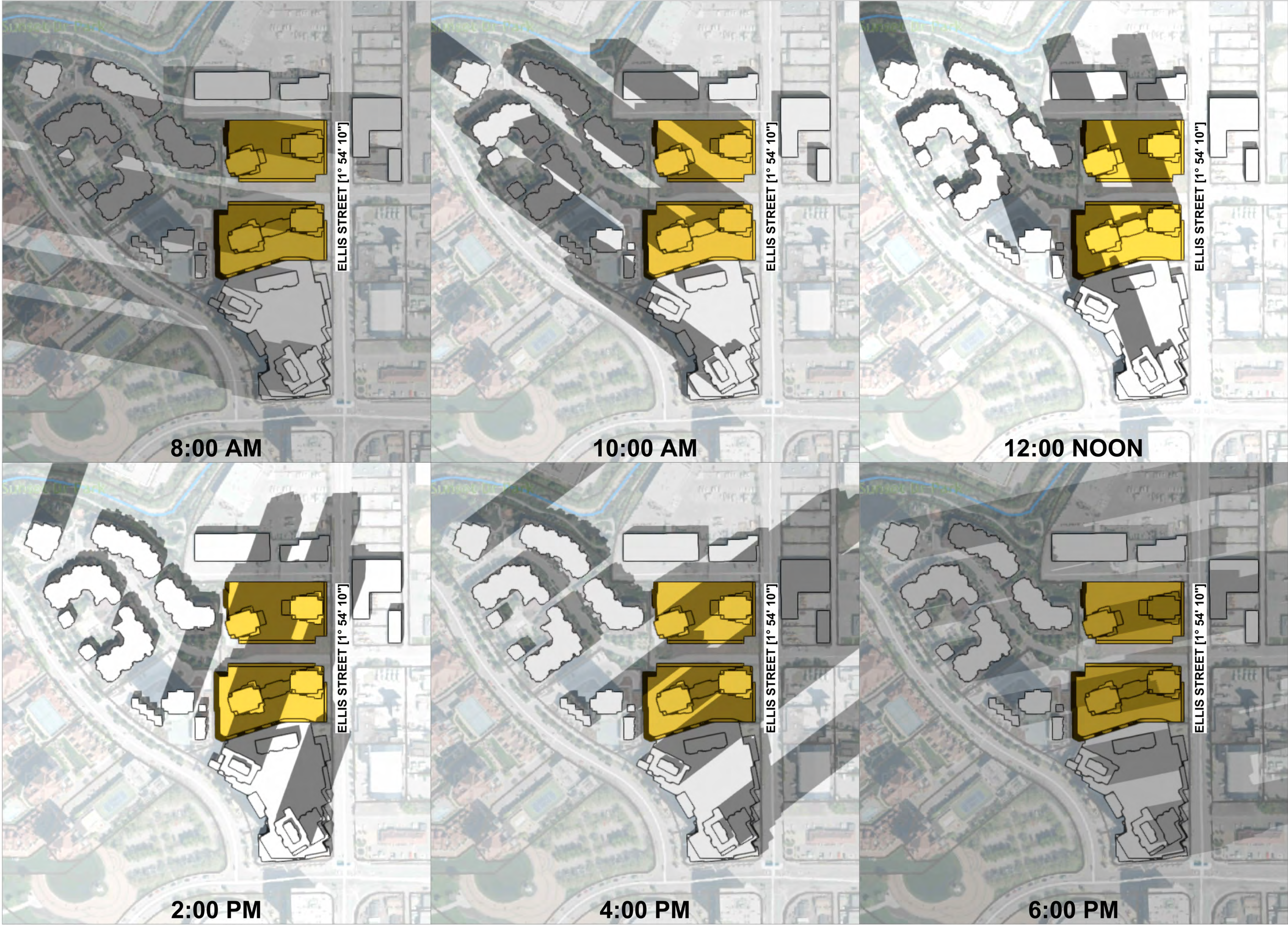
DRAWN BY: EP/TM/ZY/PT/AC	CHECKED BY: SC
PROJECT MGR: SC	APPROVED BY: LM

SHEET TITLE

JUNE 21 - SHADOWS

SHEET NUMBER	DP0.09	ISSUE	A
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SEPTEMBER 21



LOCATION: KELOWNA
POSITION: 49d 53m N 119d 30m W
TIME ZONE: GMT -08:00 PACIFIC 120d W
BASE PLAN: CITY OF KELOWNA GIS DATA
DRAFTED BY: JM


Summary

Fall equinox provides a mix of sun and shade on the surrounding parks and streets with eight or more continuous hours of sunlight on all public areas to promote healthy tree growth and sunny sidewalks.

The Waterscapes 1 amenity area is in partial shade all morning with areas of sunlight moving across the pool and amenity deck throughout the morning. Sunset Drive Park sees some brief shadowing in the morning, sun throughout the afternoon, and is in the shade again in the late afternoon and evening. The east side of the project will see some shadows after 6pm until dusk as the sun nears the horizon in the west.

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No.	DESCRIPTION	DATE
A	DEVELOPMENT PERMIT & DEVELOPMENT VARIANCE PERMIT	2025-03-14

ATTACHMENT D

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DP25-0086 DVP25-0087
City of Kelowna
Planner Initials MT
DEVELOPMENT PLANNING

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PROJECT NO:

30260934 (AIBI - 135775)

DRAWN BY:

EP/TM/ZY/PT/AC

CHECKED BY:

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PROJECT MGR:

SC

APPROVED BY:

LM

SHEET TITLE

SEPTEMBER 21 - SHADOWS

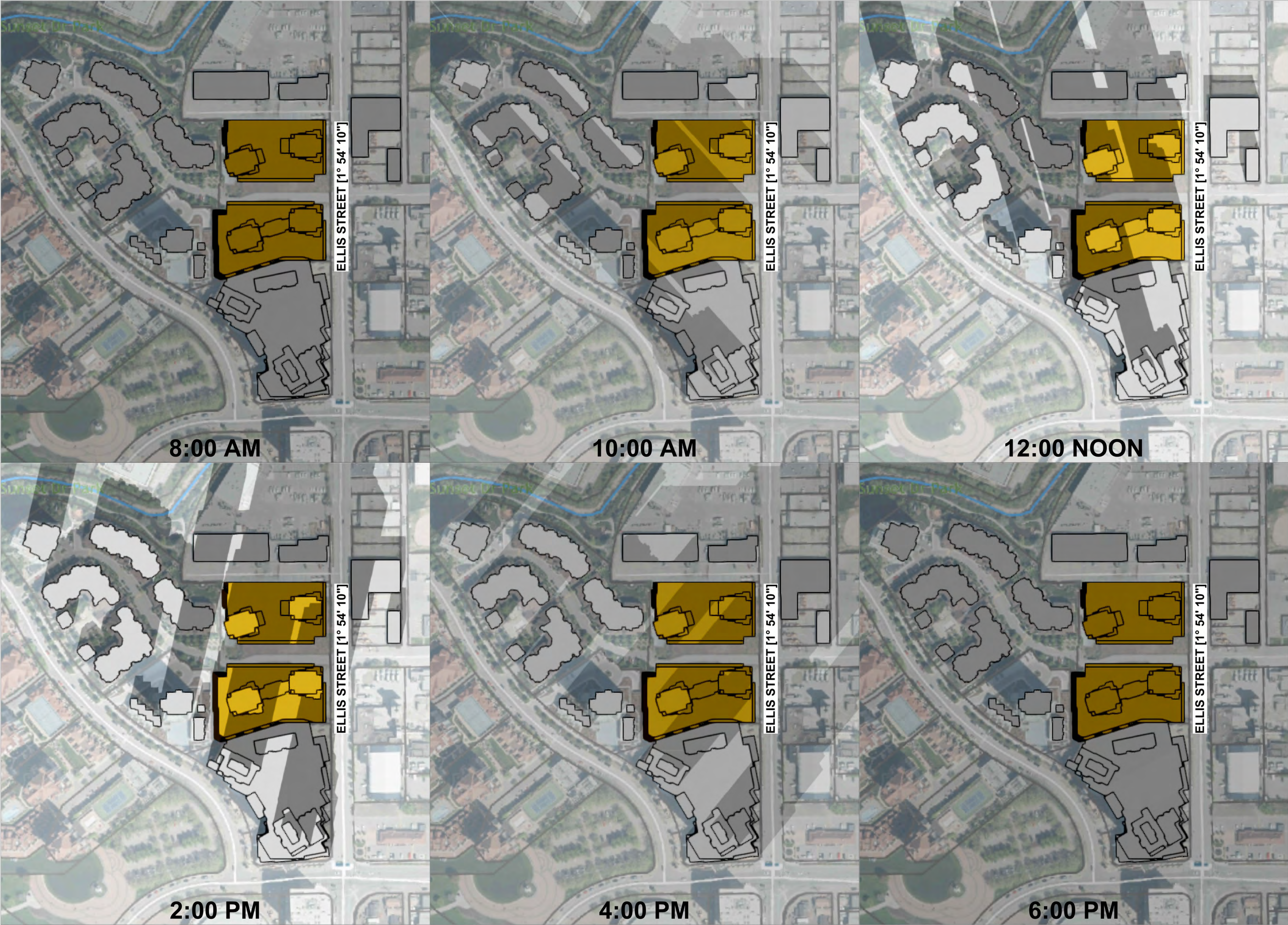
SHEET NUMBER

DP0.10

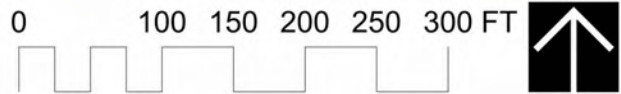
ISSUE

A

DECEMBER 21



LOCATION: KELOWNA
POSITION: 49d 53m N 119d 30m W
TIME ZONE: GMT -08:00 PACIFIC 120d W
BASE PLAN: CITY OF KELOWNA GIS DATA
DRAFTED BY: JM




Summary

Winter equinox limits sunlight exposure to the mid morning until mid afternoon. Ellis Street remains mostly out of the shadow until 4pm, allowing sunlight to the street trees for over 5 hours as required.

The Waterscapes 1 amenity area is in partial shade all morning, with areas of sunlight moving across the pool and amenity deck throughout the morning. Sunset Drive Park is in partial shade in the morning and again from 4pm until sundown.

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No.	DESCRIPTION	DATE
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ATTACHMENT D


This forms part of application
DP25-0086 DVP25-0087


Planner Initials MT


City of Kelowna
DEVELOPMENT PLANNING

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PROJECT NO:
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SC

PROJECT MGR:
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APPROVED BY:
LM

SHEET TITLE

DECEMBER 21 - SHADOWS

SHEET NUMBER	ISSUE
DP0.11	A