

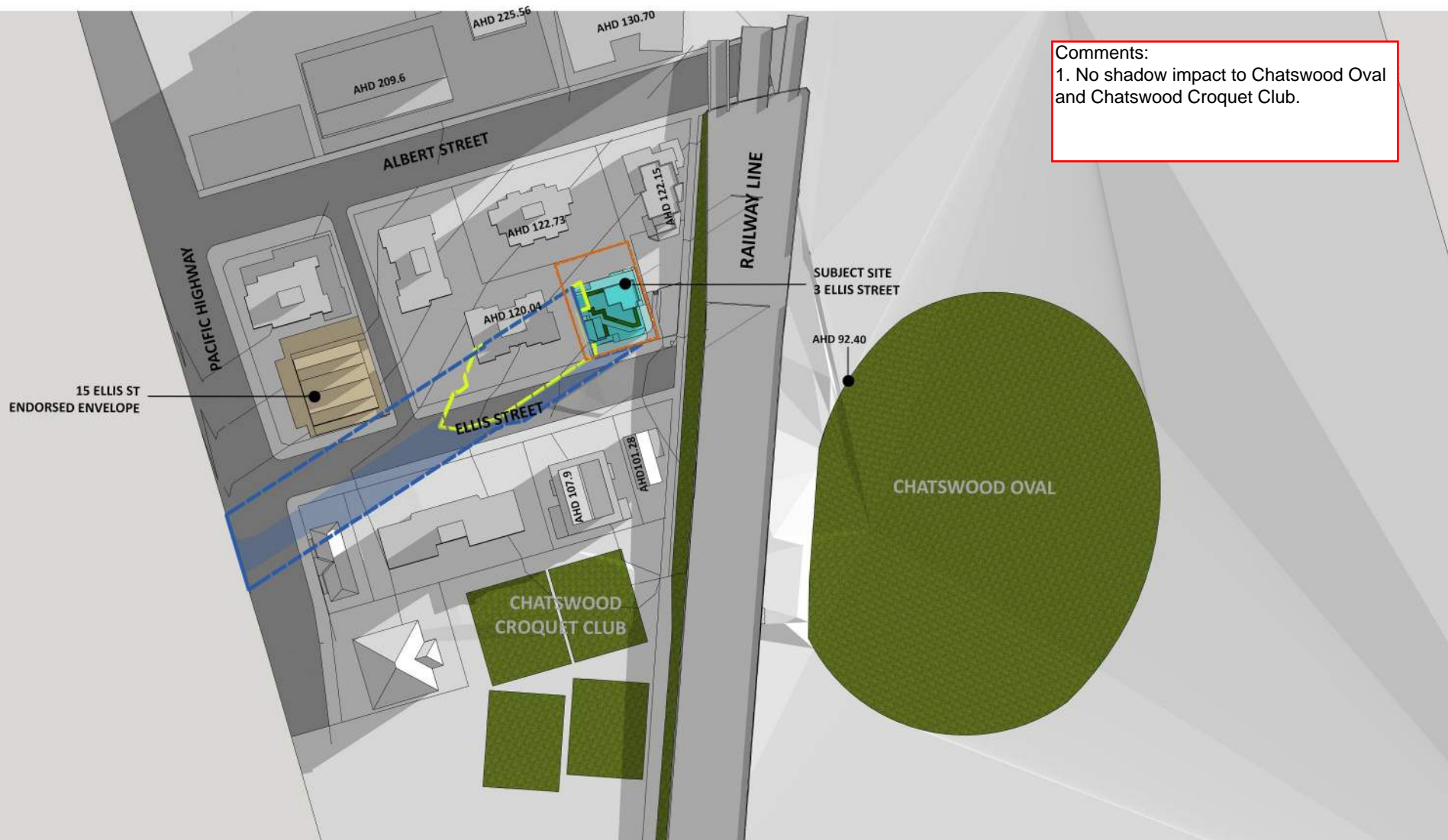
SHADOW IMPACT SUMMARY 21ST JUNE, WINTER SOLSTICE

MID-WINTER 21ST JUNE	CHATSWOOD OVAL LEP control - no additional overshadowing 11am - 2pm mid-winter	CHATSWOOD CROQUET CLUB LEP control - no additional overshadowing 12pm - 2pm mid-winter
8:00AM	No shadow impacts.	No shadow impacts.
8:30AM	No shadow impacts.	No shadow impacts.
9:00AM	No shadow impacts.	No shadow impacts.
9:30AM	No shadow impacts.	No shadow impacts.
10:00AM	No shadow impacts.	No shadow impacts.
10:30AM	No shadow impacts.	No shadow impacts.
11:00AM	No shadow impacts.	No shadow impacts.
11:30AM	No shadow impacts.	No shadow impacts.
12:00PM	No shadow impacts.	No shadow impacts.
12:30PM	No shadow impacts.	No shadow impacts to the lawn area of the greens. The shadow impact is within the area affected by shadows from the existing solid boundary fence along the northern side of the croquet and as to a landscaped area that is not part of the lawn area of the greens.
1:00PM	No shadow impacts.	No shadow impacts to the lawn area of the greens. The shadow impact is within the area affected by shadows from the existing solid boundary fence along the northern side of the croquet and as to a landscaped area that is not part of the lawn area of the greens.
1:30PM	No shadow impacts.	No shadow impacts.

2:00PM	Minor increased in shadow casted over a small area of southwest portion of Oval beyond 2pm. (approximate 2:15pm to 2:45pm). The shadow occurs after then sun protected hours of 11am – 2pm.	No shadow impacts.
2:30PM	Minor increased in shadow casted over a small area of southwest portion of Oval beyond 2pm. (approximate 2:15pm to 2:45pm). The shadow occurs after then sun protected hours of 11am – 2pm.	No shadow impacts.
3:00PM	No additional shadow casted to Oval. Shadow cast over southwest portion of Oval is within the shadow cast by the existing high-rise towers located on the northern side of Albert Avenue. (79 Albert Avenue Towers)	No shadow impacts.
3:30PM	No additional shadow casted to Oval. Shadow cast over southwest portion of Oval is within the shadow cast by the existing high-rise towers located on the northern side of Albert Avenue. (79 Albert Avenue Towers)	No shadow impacts.
4:00PM	No additional shadow casted to Oval. Shadow cast over southwest portion of Oval is within the shadow cast by the existing high-rise towers located on the northern side of Albert Avenue. (79 Albert Avenue Towers)	No shadow impacts.
4:30PM	No additional shadow casted to Oval. Shadow cast over southwest portion of Oval is within the shadow cast by the existing high-rise towers located on the northern side of Albert Avenue. (79 Albert Avenue Towers)	No shadow impacts.
5:00PM	No shadow impacts. Sunset at around 4:50 – 4:55pm.	No shadow impacts.

3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 8AM



NOTES:

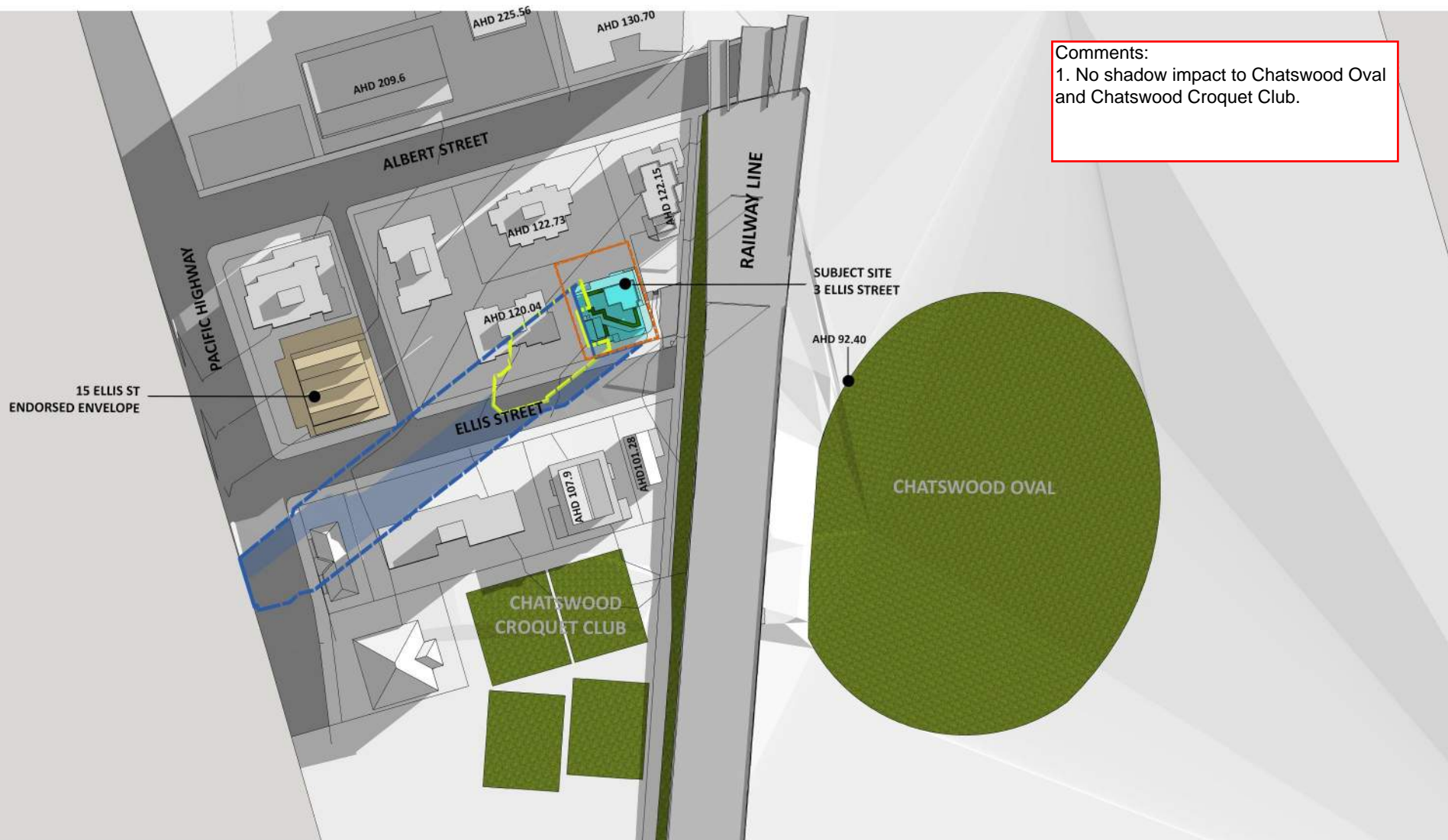
1. HEIGHT OF BUILDING RLS PROVIDED BY JRK SURVEYS DATED 17TH NOV 2017 DWG NO. 17-371P1
2. SHADOW REFERENCED TO DRONE PHOTOS TAKEN FROM 22 JUNE 2018 AND 21 JUNE 2019

LEGEND

- EXISTING BUILDING SHADOW OUTLINE
- SHADOW CAST BY PROPOSED BUILDING
- ADDITIONAL SHADOW CAST BY PROPOSED BUILDING

3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 8:30AM



NOTES:

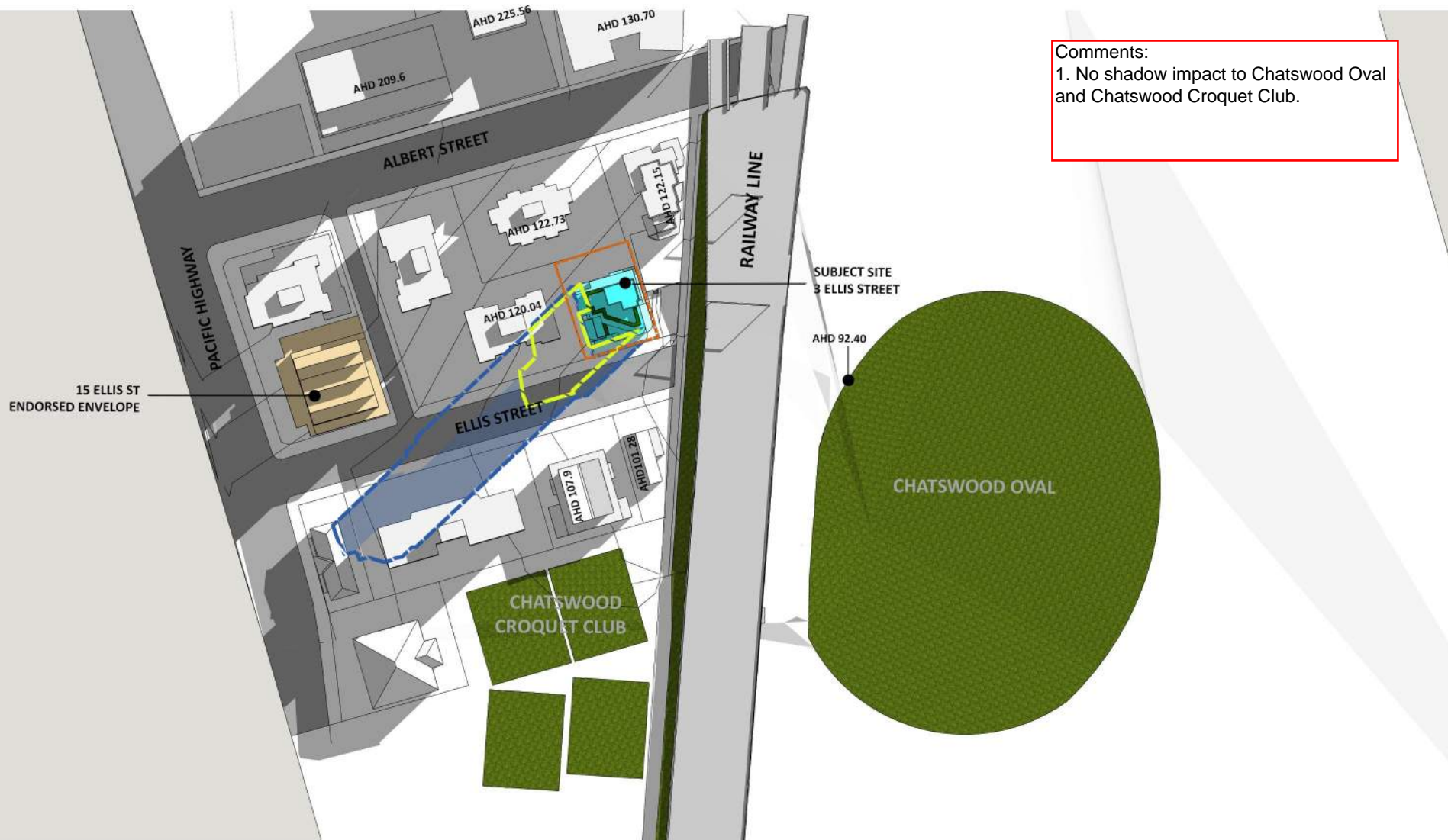
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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 9AM



NOTES:

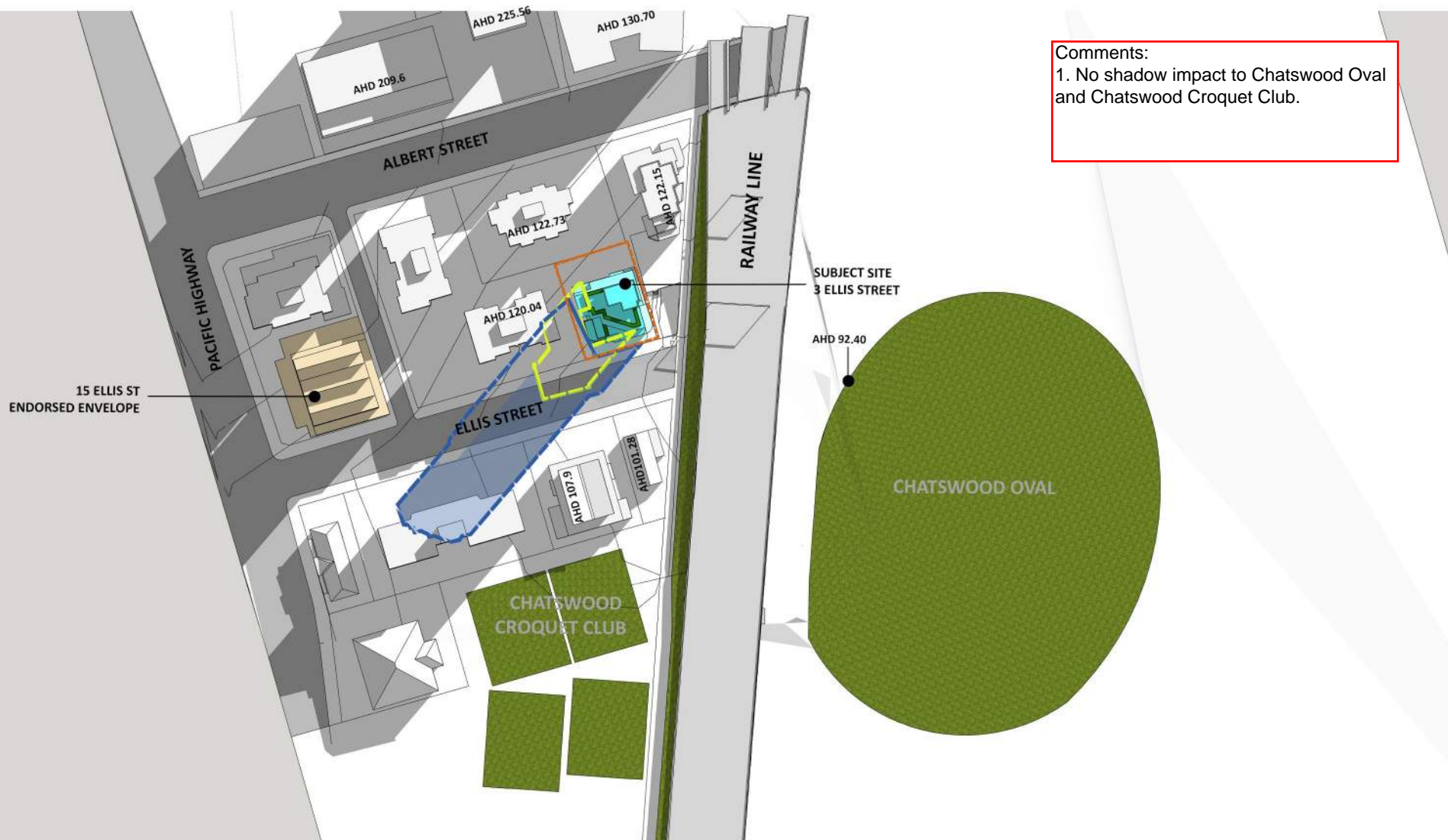
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LEGEND

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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 9:30AM



NOTES:

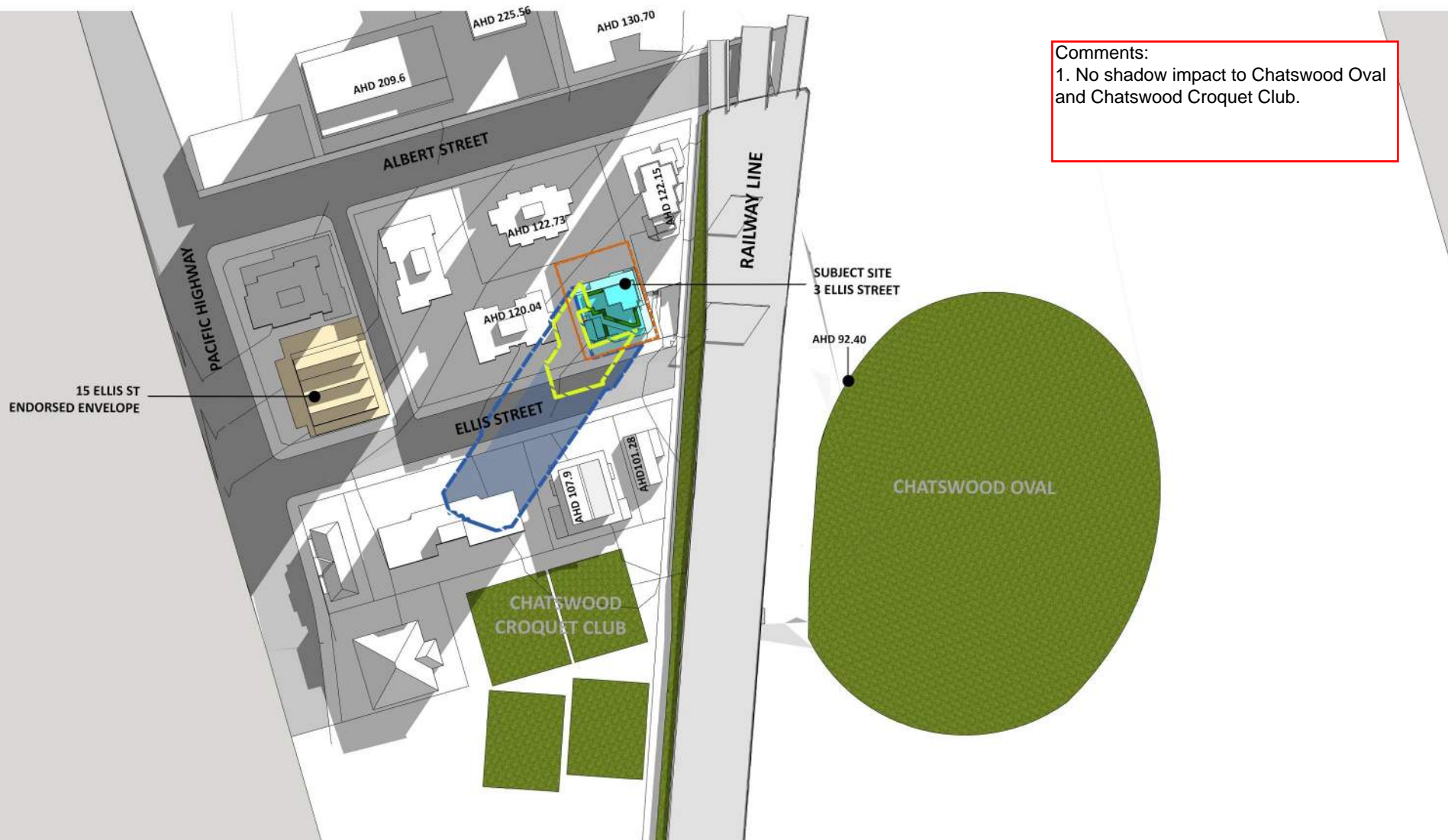
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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 10AM



NOTES:

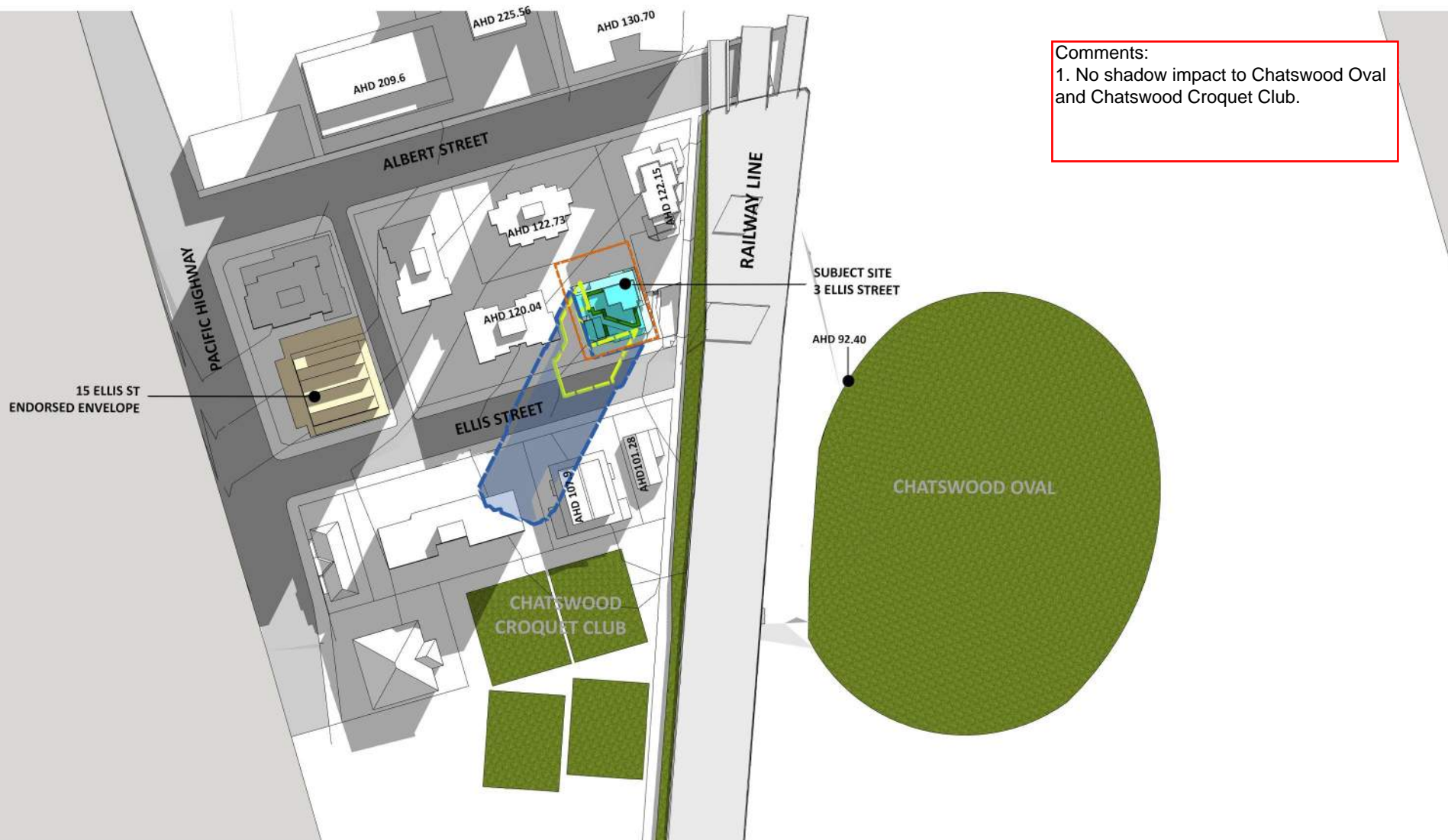
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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 10:30AM



NOTES:

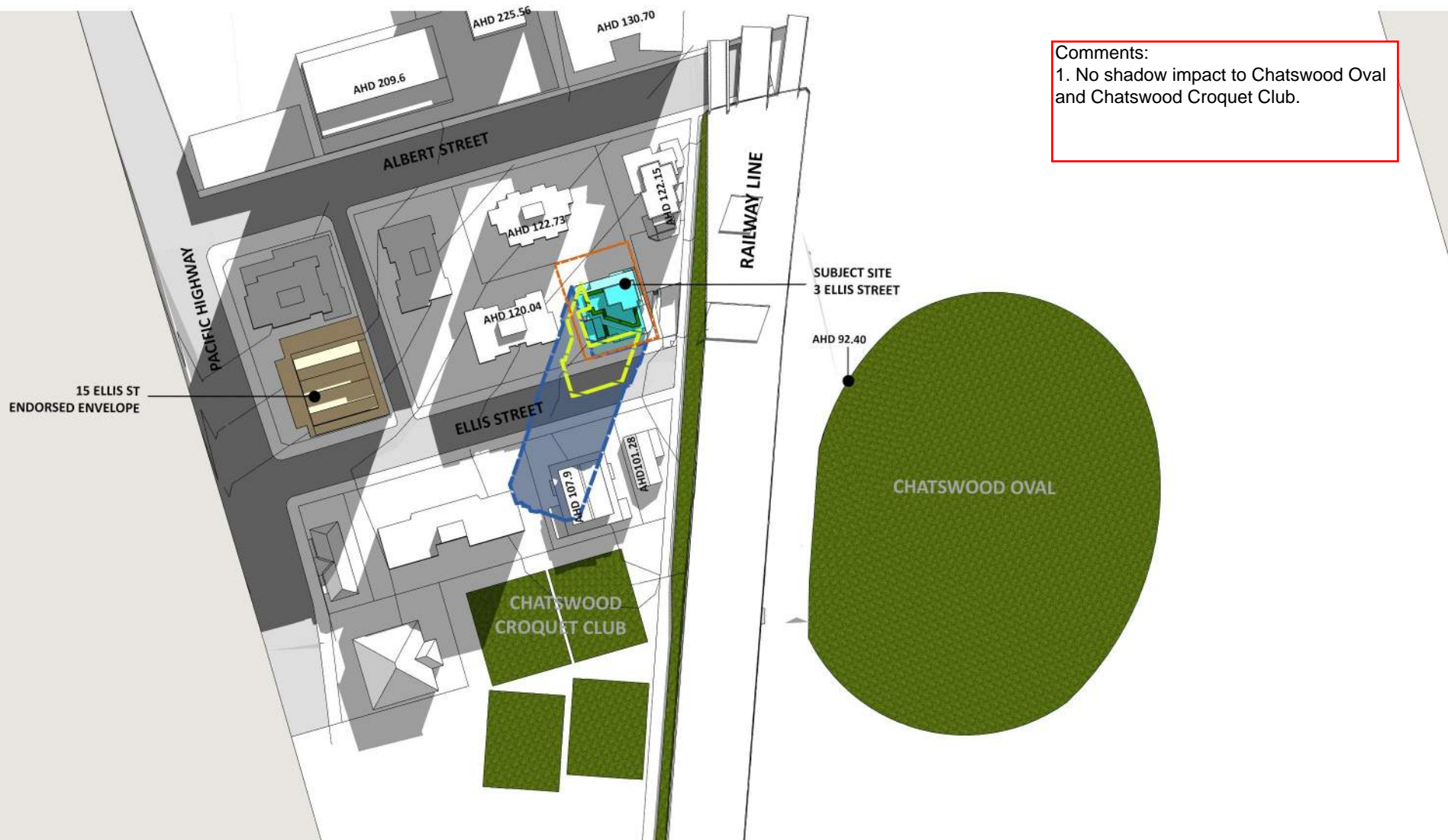
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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 11AM



NOTES:

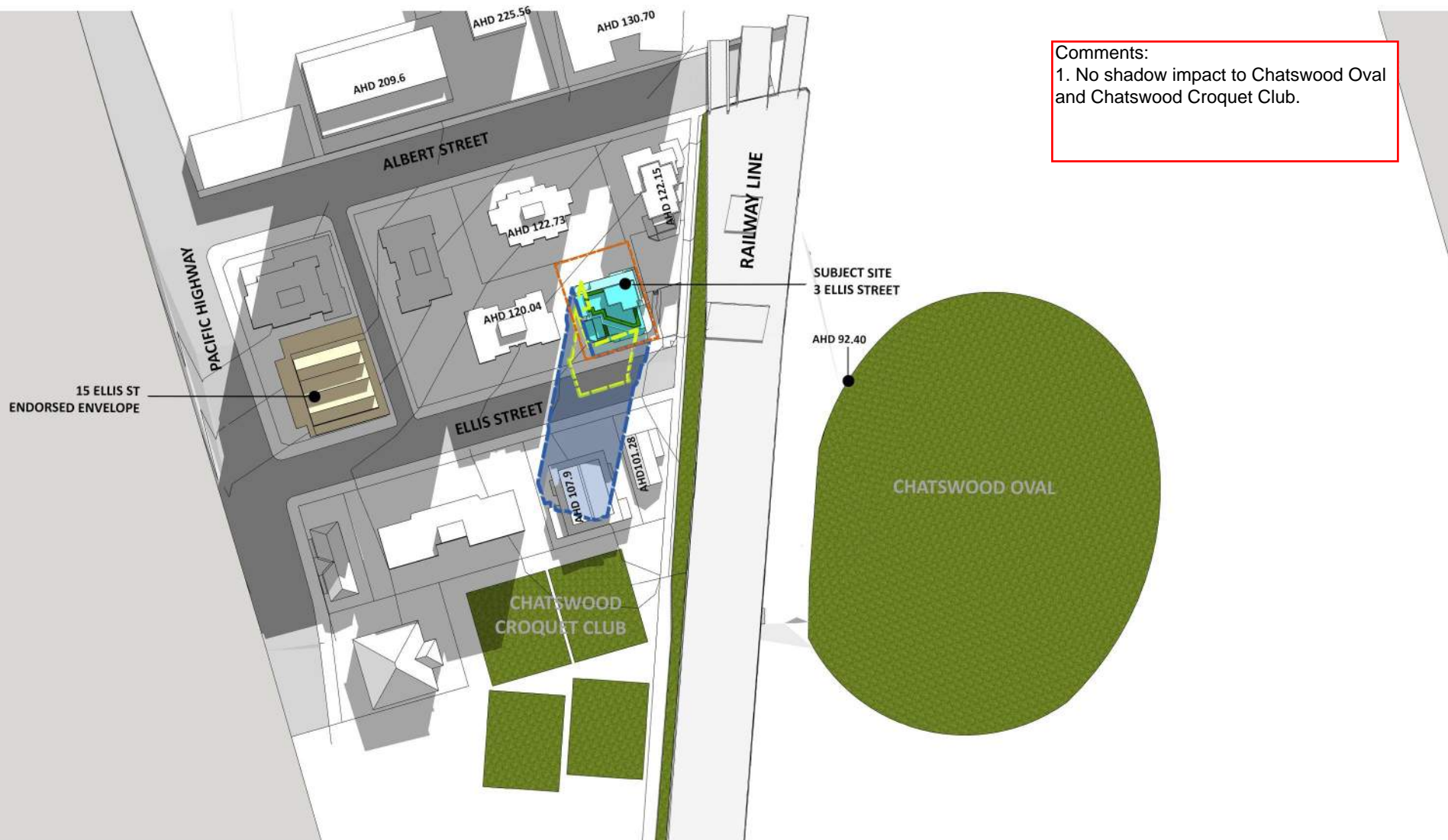
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LEGEND

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- ADDITIONAL SHADOW CAST BY PROPOSED BUILDING

3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 11:30AM



NOTES:

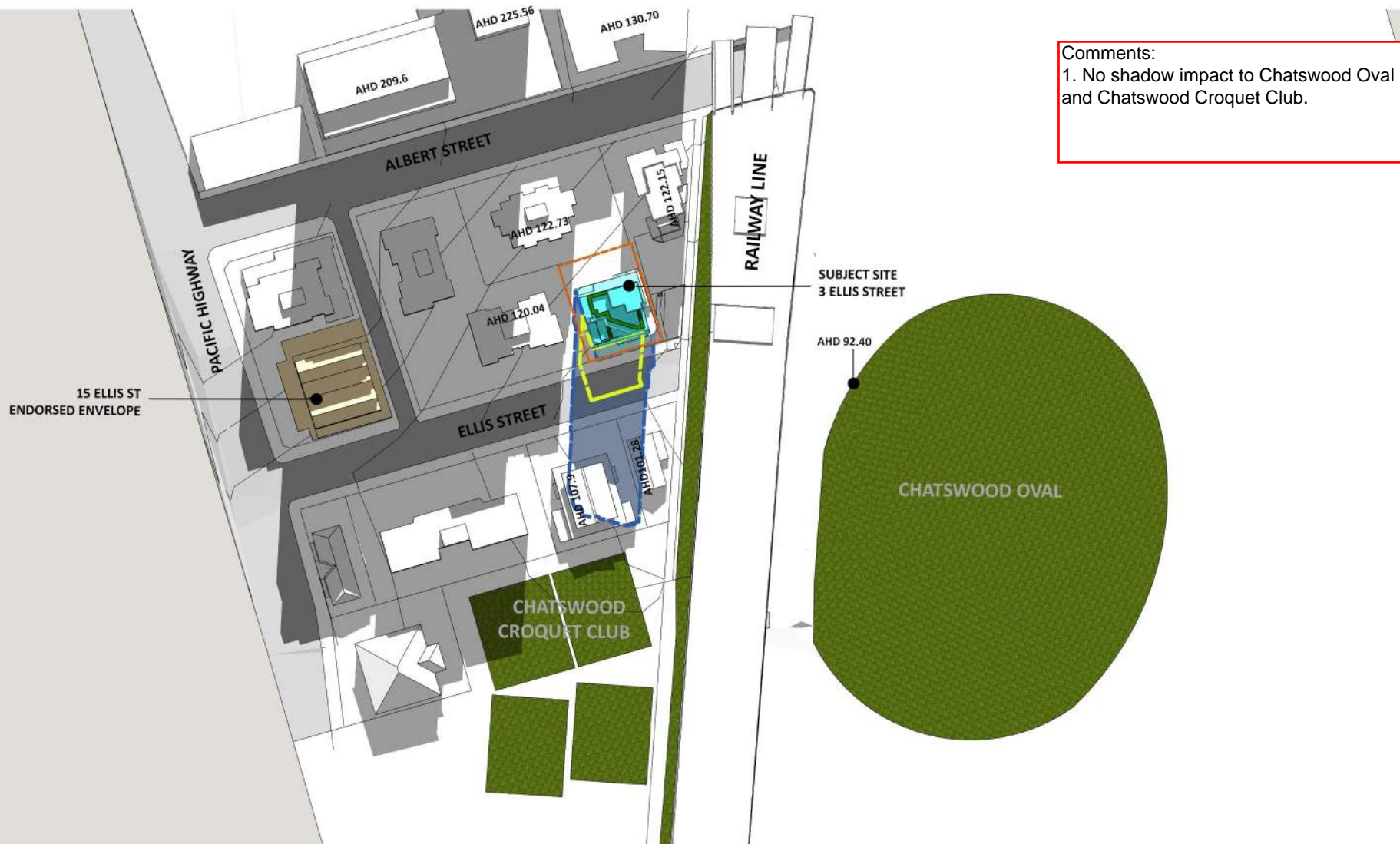
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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 12PM



NOTES:

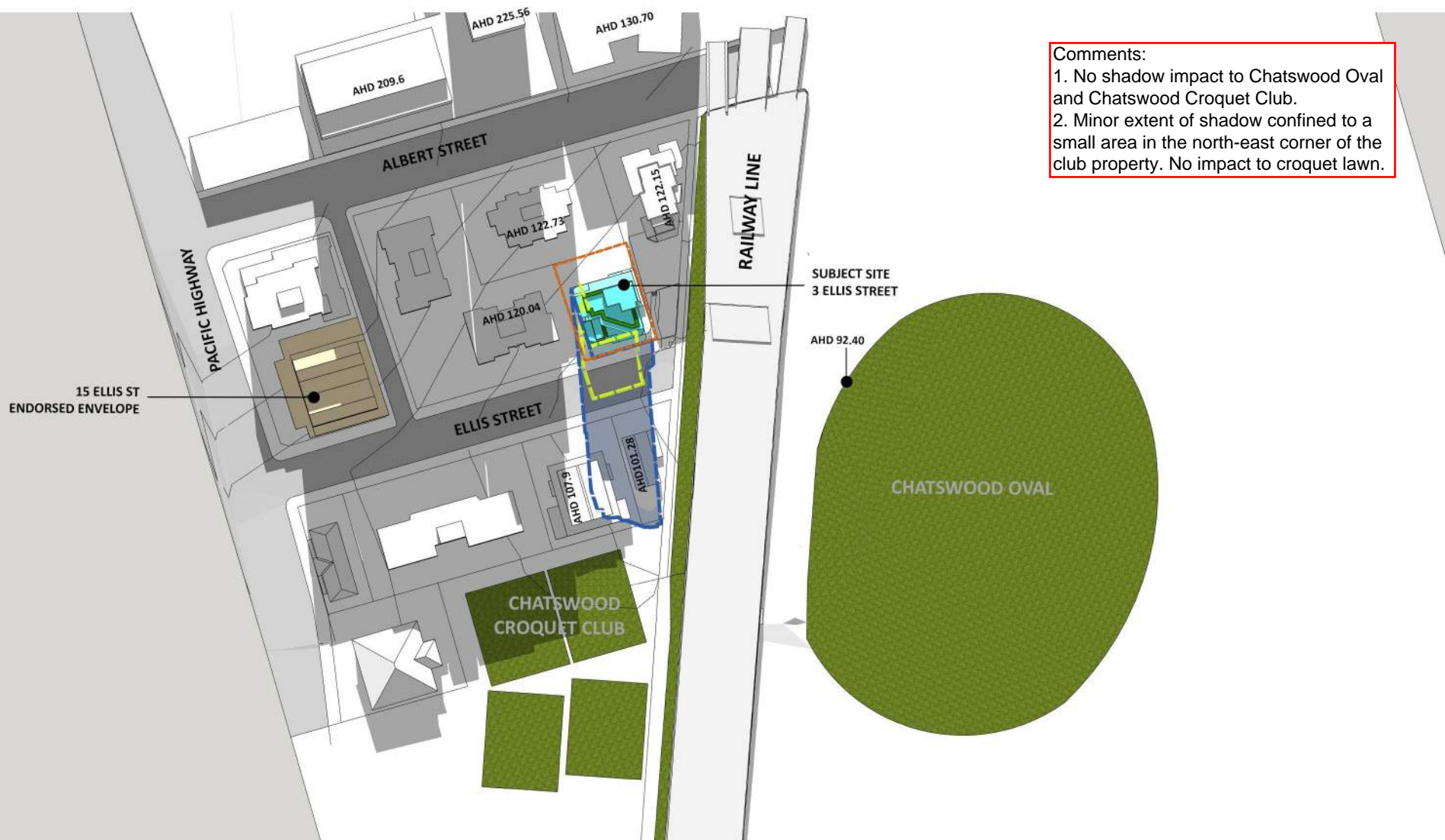
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LEGEND

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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 12:30PM



NOTES:

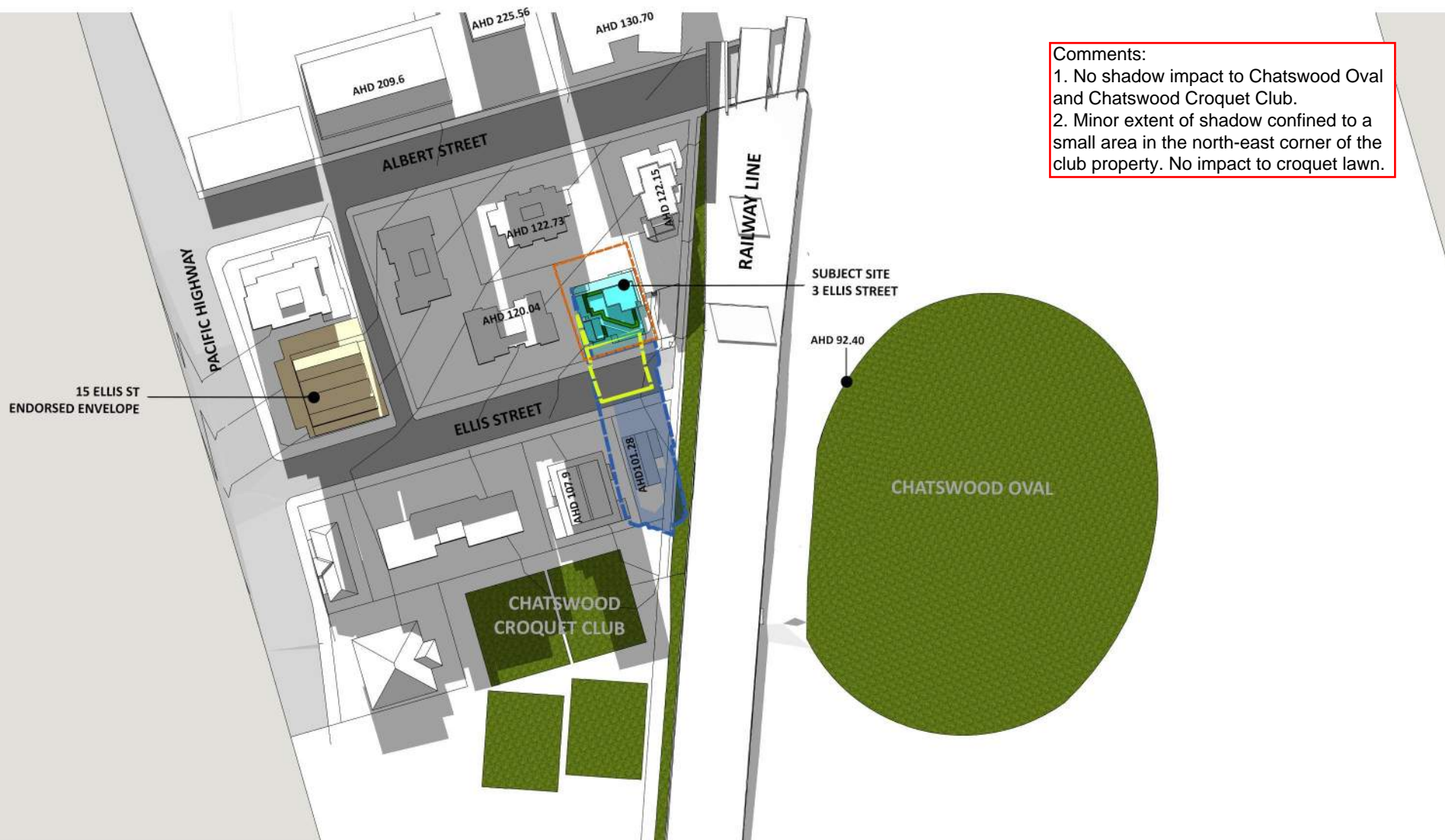
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LEGEND

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- SHADOW CAST BY PROPOSED BUILDING
- ADDITIONAL SHADOW CAST BY PROPOSED BUILDING

3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 1PM



NOTES:

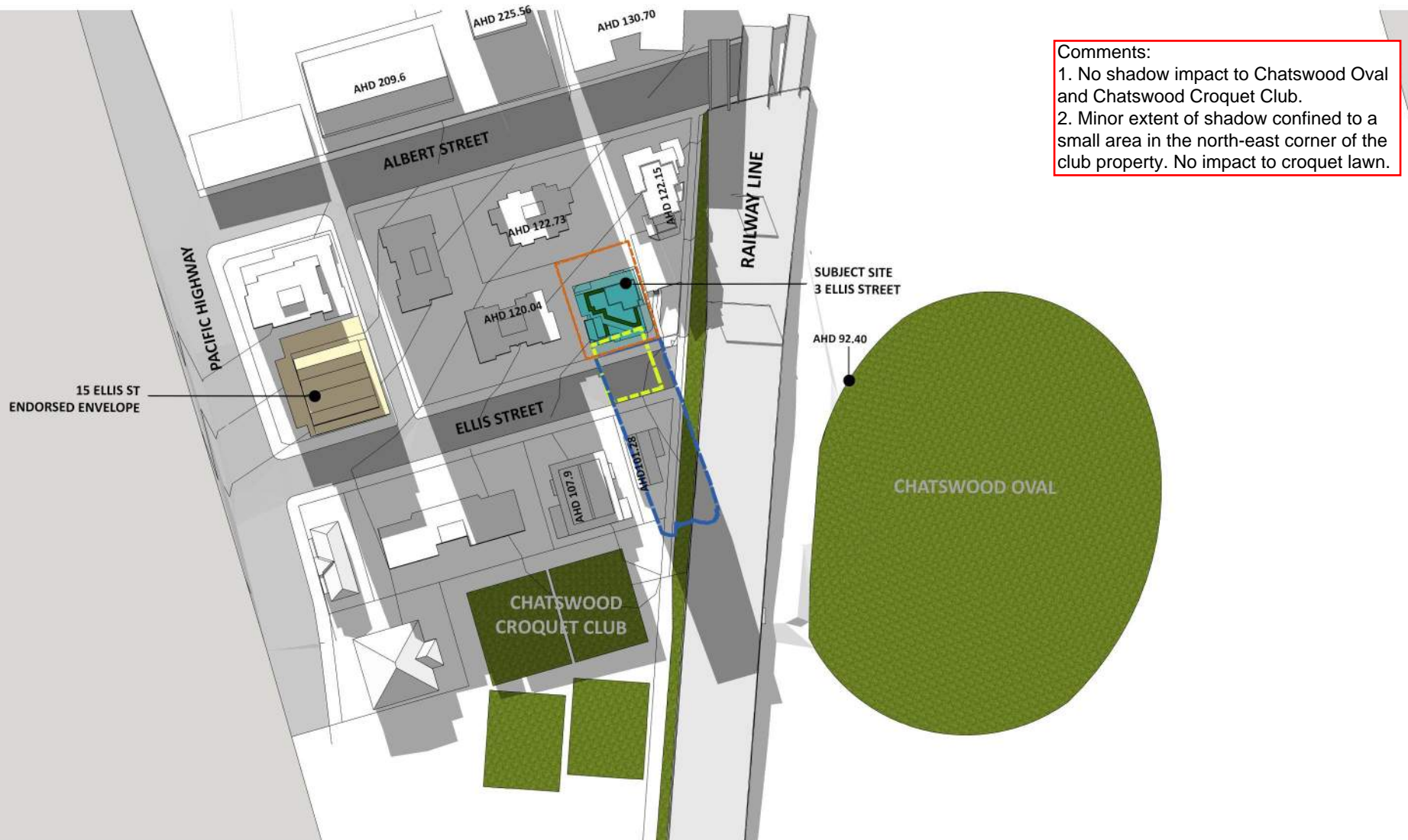
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2. SHADOW REFERENCED TO DRONE PHOTOS TAKEN FROM 22 JUNE 2018 AND 21 JUNE 2019

LEGEND

- EXISTING BUILDING SHADOW OUTLINE
- SHADOW CAST BY PROPOSED BUILDING
- ADDITIONAL SHADOW CAST BY PROPOSED BUILDING

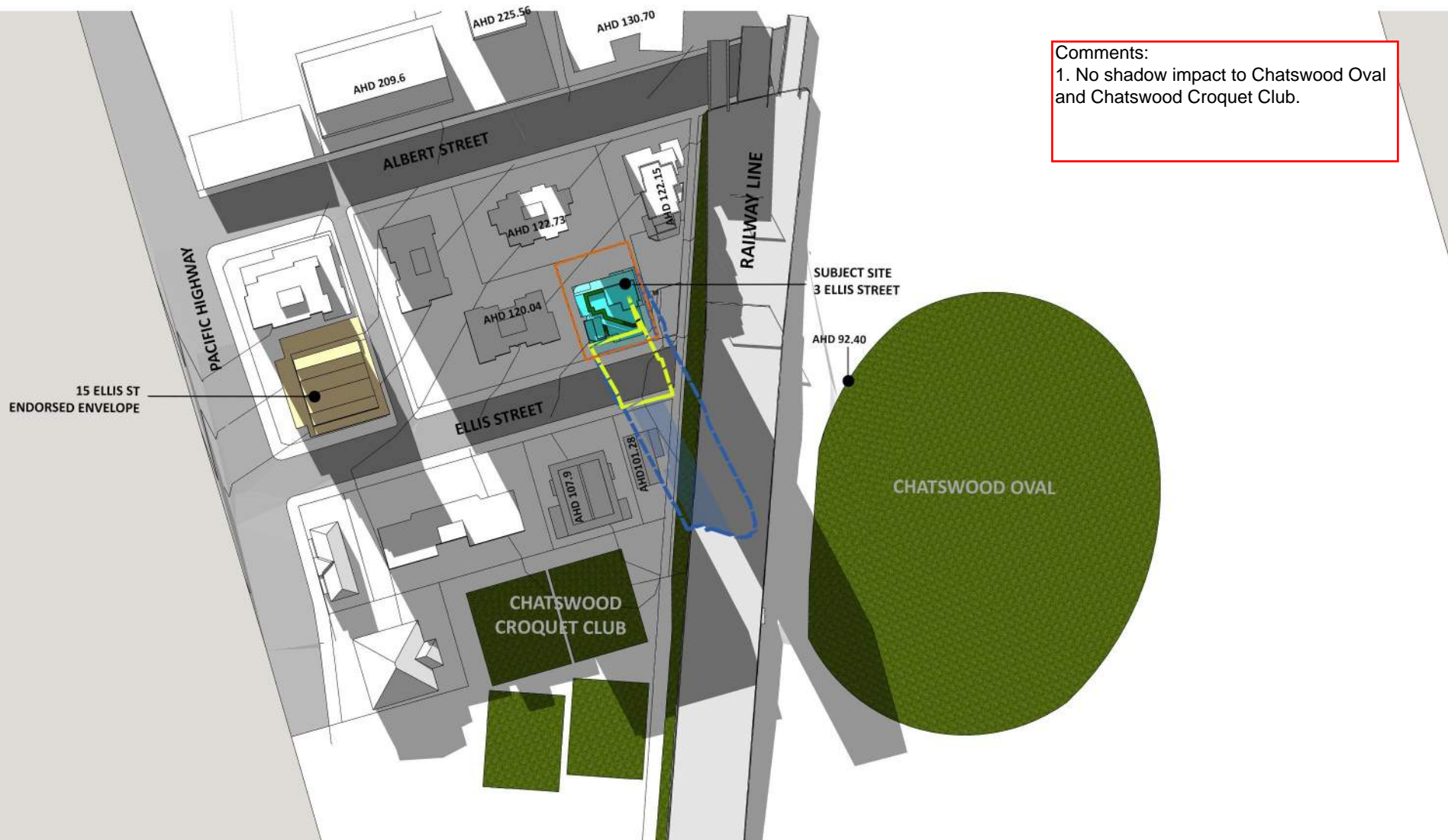
3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 1:30PM



3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 2PM



NOTES:

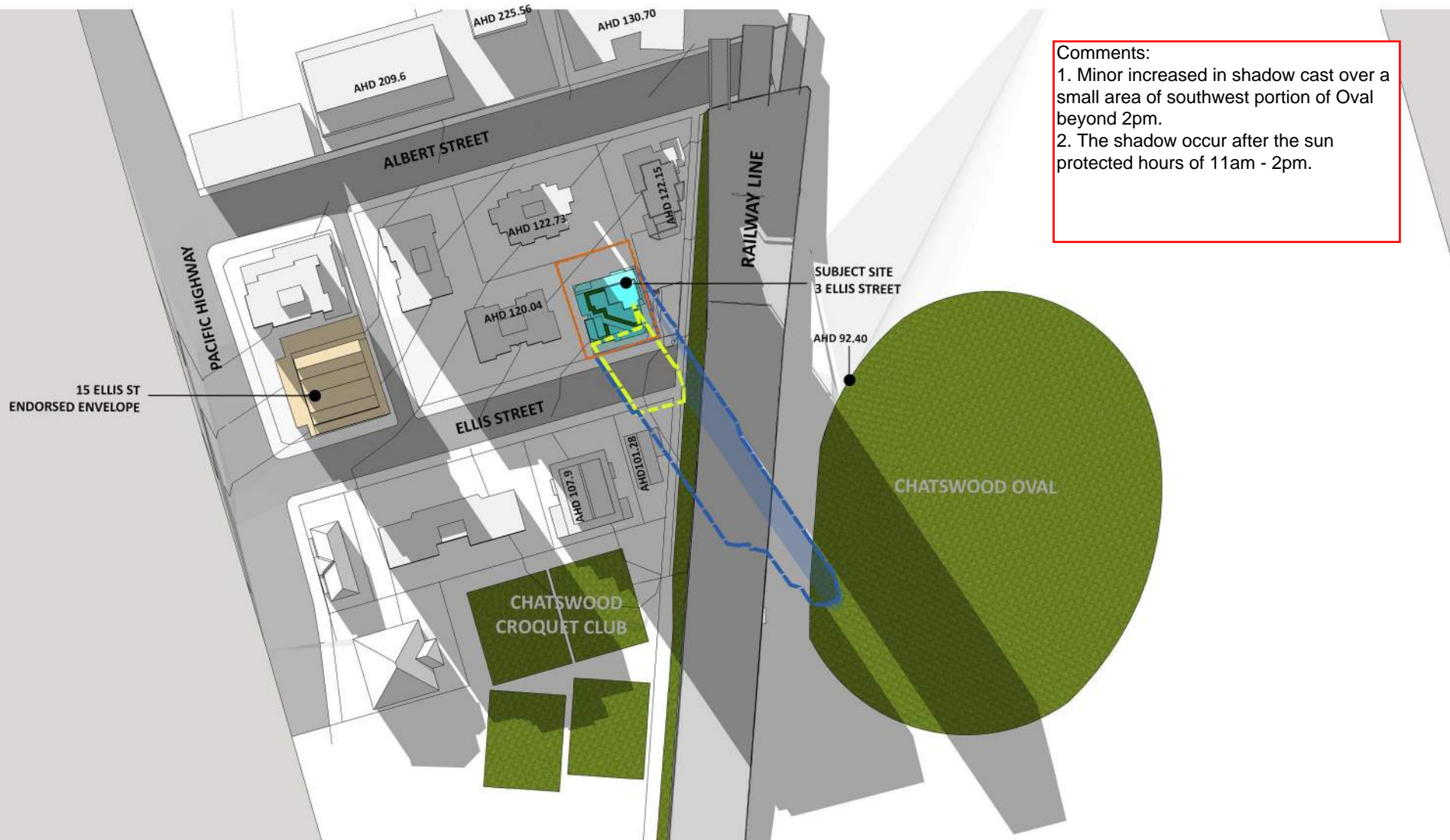
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LEGEND

- EXISTING BUILDING SHADOW OUTLINE
- SHADOW CAST BY PROPOSED BUILDING
- ADDITIONAL SHADOW CAST BY PROPOSED BUILDING

3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 2:30PM



NOTES:

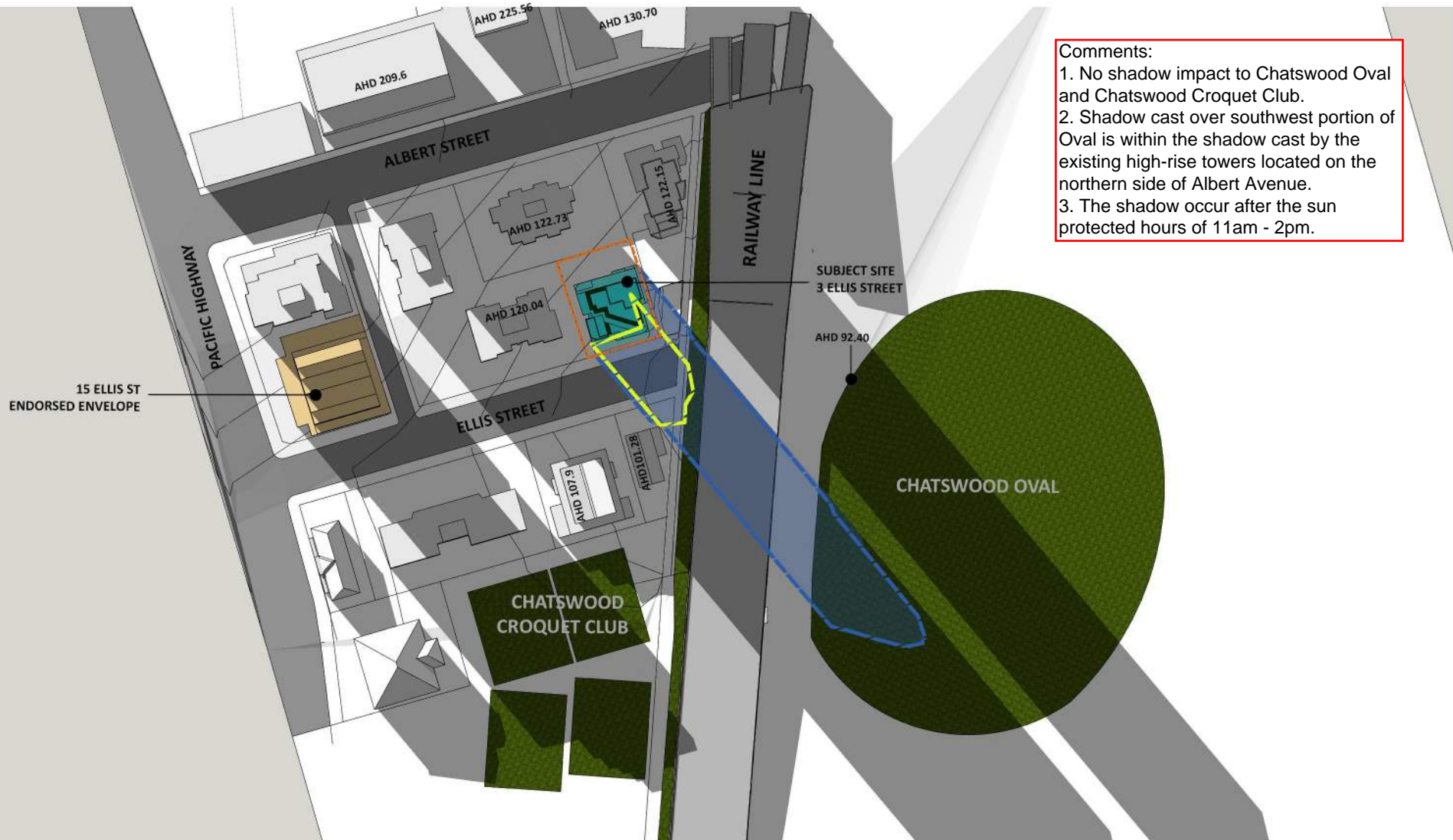
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LEGEND

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- SHADOW CAST BY PROPOSED BUILDING
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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 3PM



NOTES:

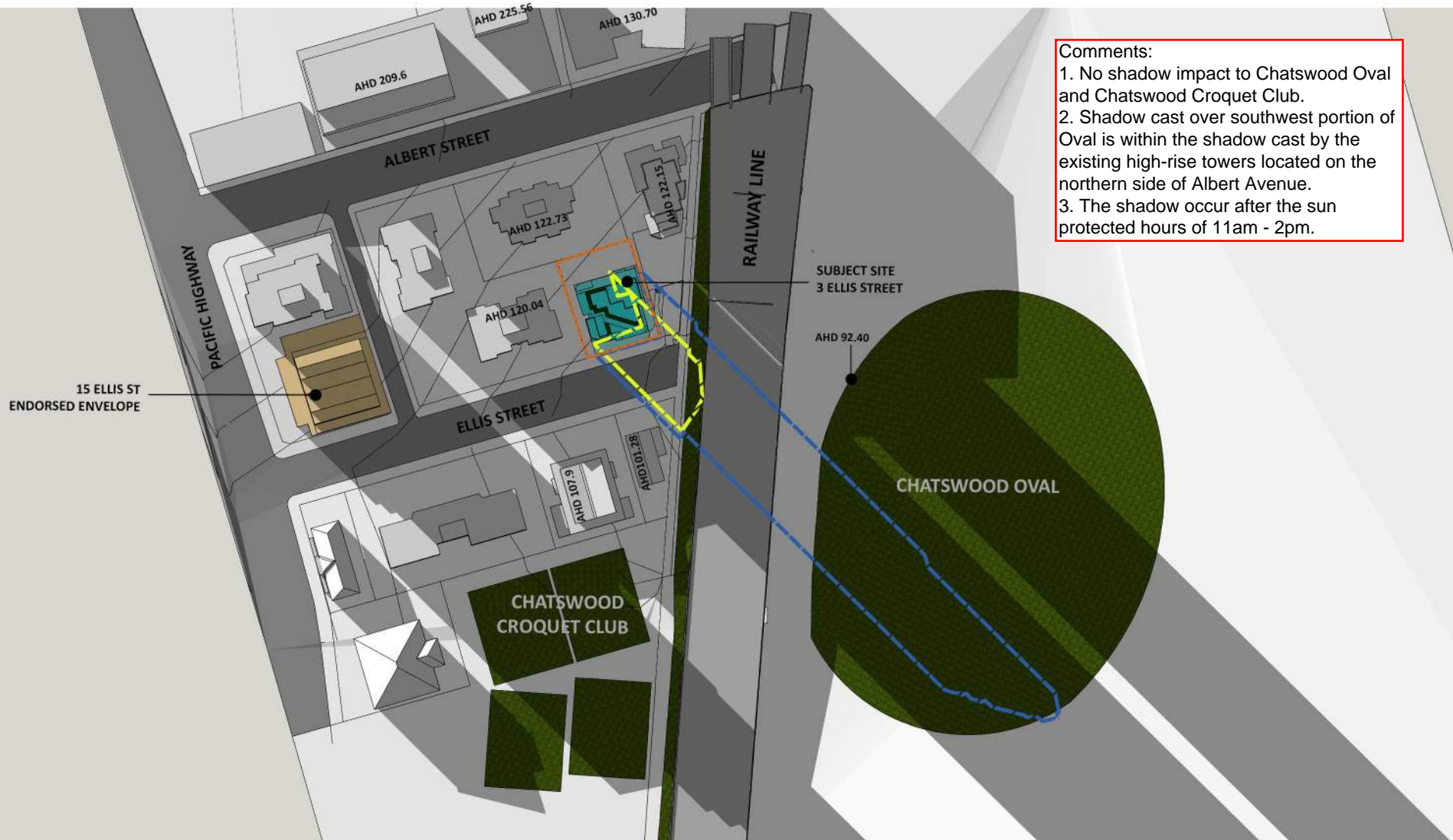
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LEGEND

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- SHADOW CAST BY PROPOSED BUILDING
- ADDITIONAL SHADOW CAST BY PROPOSED BUILDING

3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 3:30PM



NOTES:

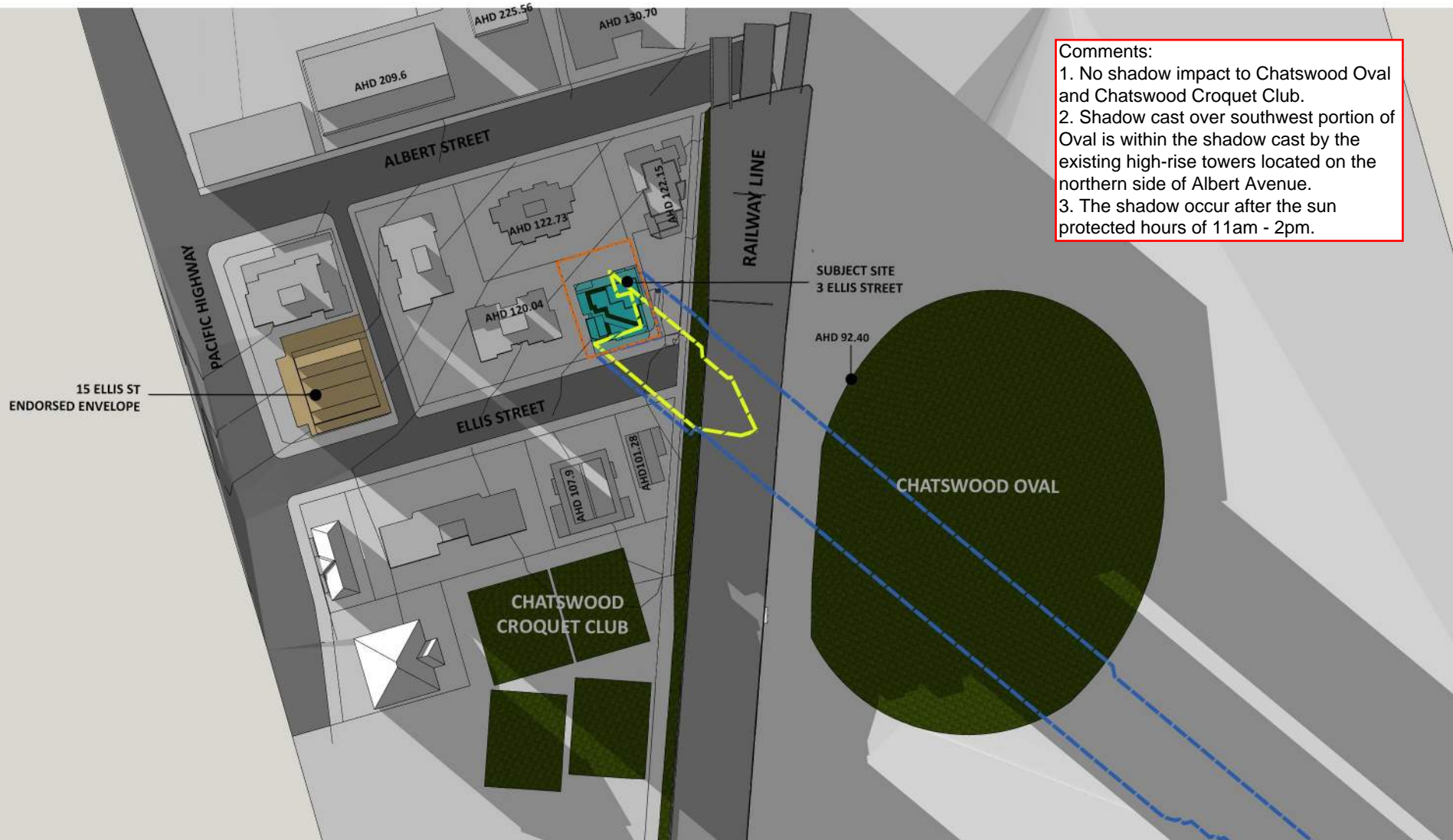
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LEGEND

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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 4:00PM



NOTES:

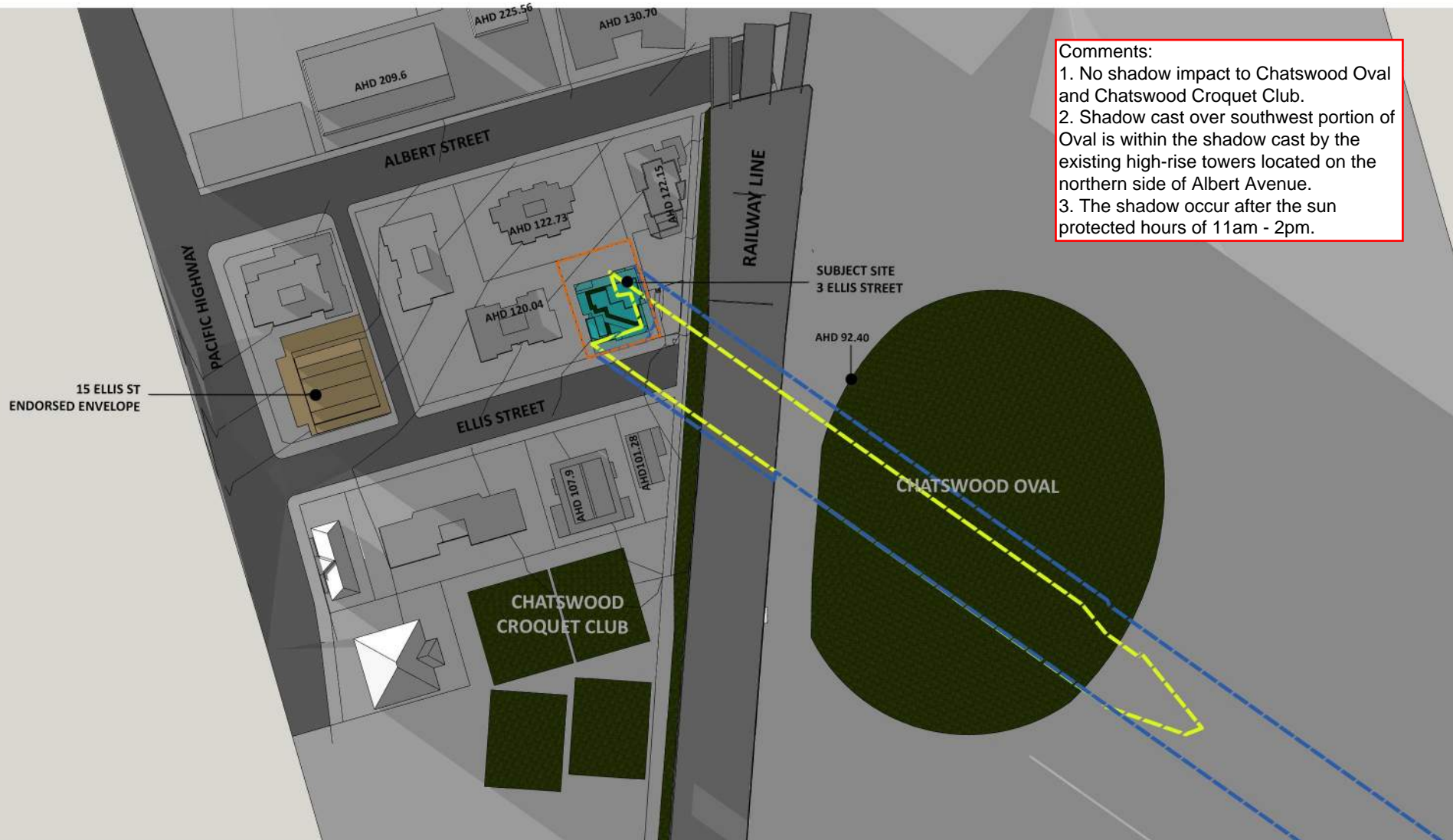
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LEGEND

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3 ELLIS STREET PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 4:30PM



NOTES:

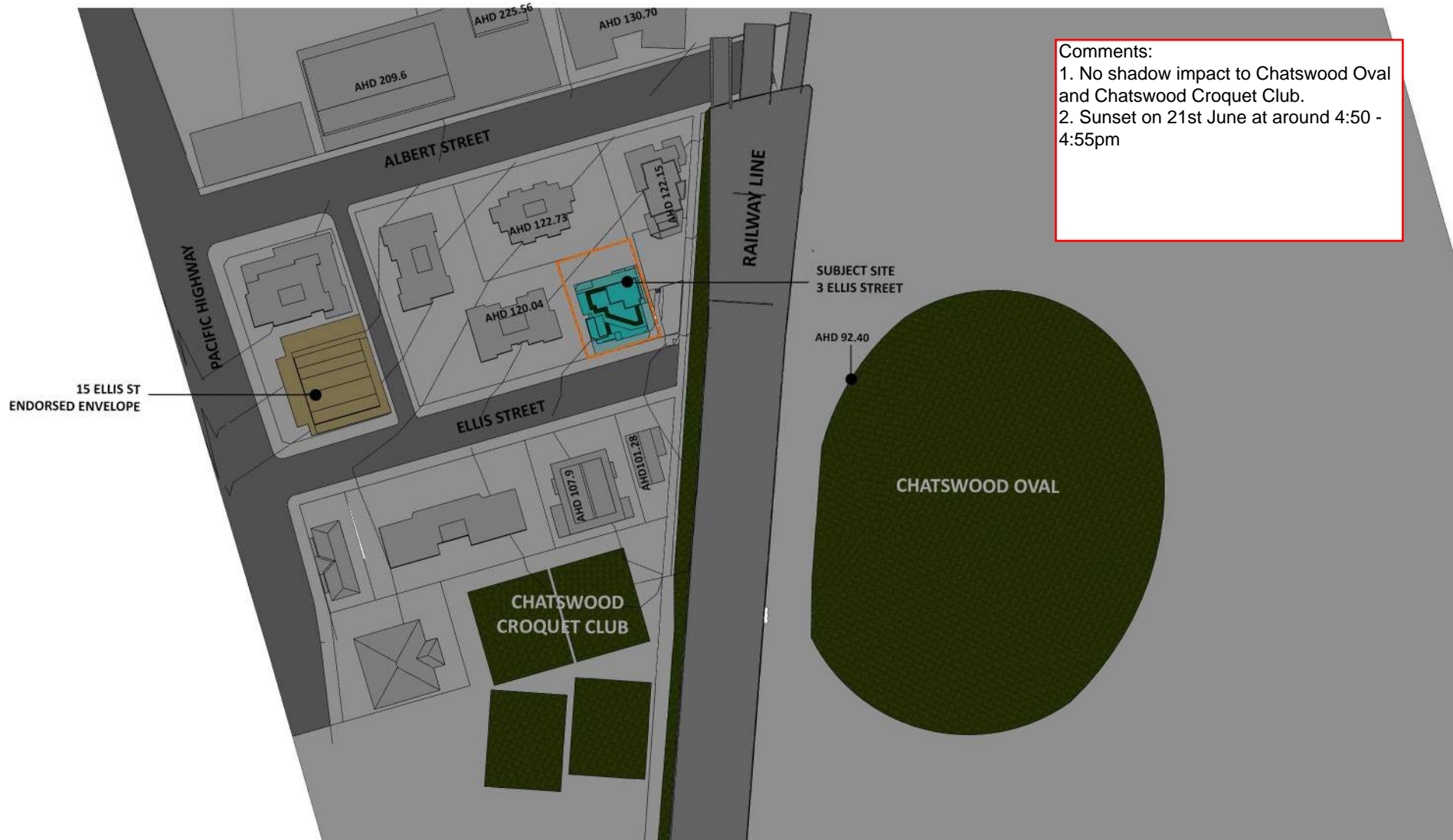
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LEGEND

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3 ELLIS STREET
PROPOSED SHADOW STUDY

JUNE 21, WINTER SOLSTICE - 5:00PM



NOTES:

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LEGEND

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- ADDITIONAL SHADOW CAST BY PROPOSED BUILDING