



APPENDIX D ADDITIONAL SHADOW DIAGRAMS

PUBLIC DOMAIN OVERSHADOWING BREAKDOWN

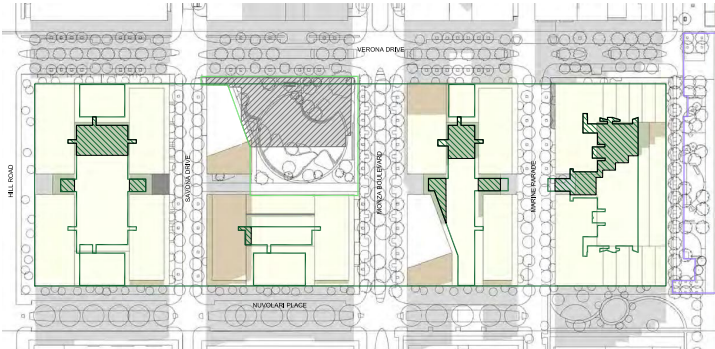
Indicative overshadow calculation breakdown for public domain for proposed development

Public Open Space: 4820m2
Foreshore Park: 2923m2

Overshadowing Legend

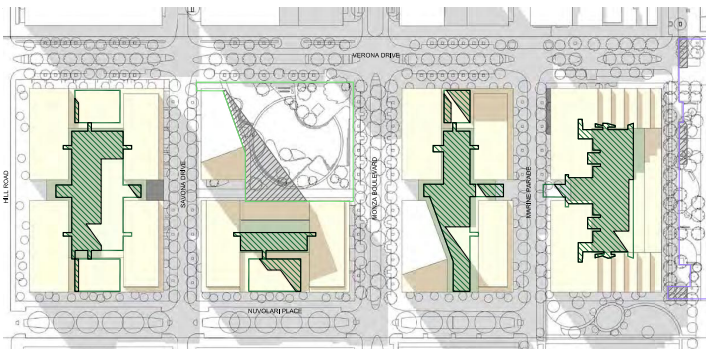
- Public Domain - Public Open Space
- Public Domain - Linear Park [DELETED]
- Public Domain - Foreshore
- Communal Outdoor Areas
- Public Domain - overshadowing (excluding streets)
- Communal Outdoor Area Overshadowing

PROPOSED MASTERPLAN



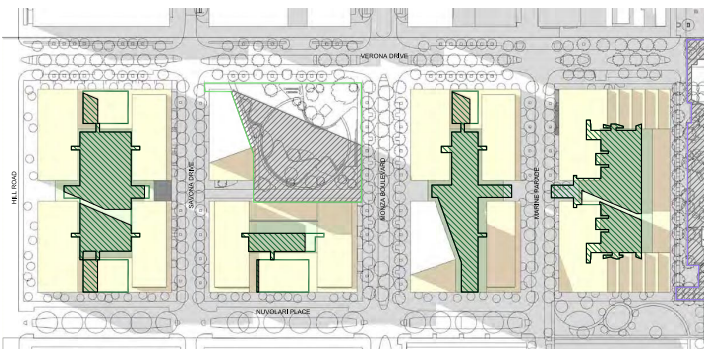
10am - 21st April
Total public domain space: 7743m2
Overshadowing: 2721m2 35%

Overshadow breakdown:
Public Open Space 56%, Foreshow Park 0%



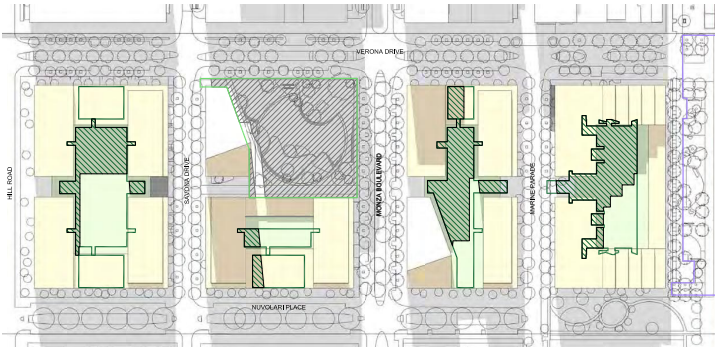
12pm - 21st April
Total public domain space: 7743m2
Overshadowing: 1166m2 15%

Overshadow breakdown:
Public Open Space 23%, Foreshow Park 1%



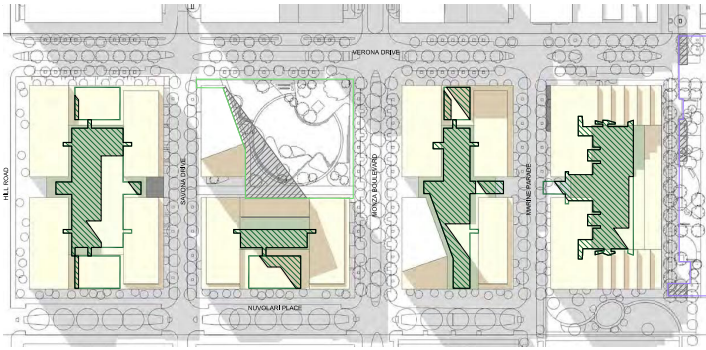
2pm - 21st April
Total public domain space: 7743m2
Overshadowing: 2721m2 35%

Overshadow breakdown:
Public Open Space 74%, Foreshow Park 23%



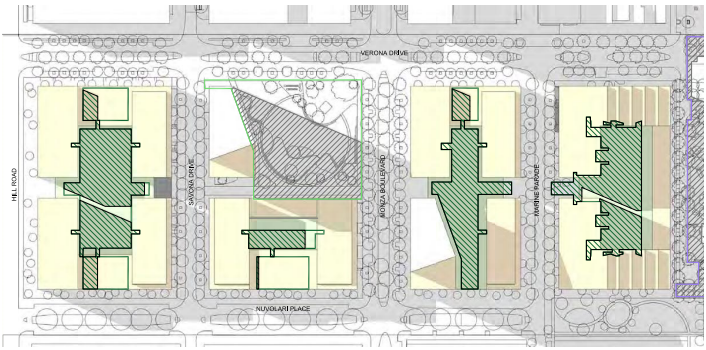
10am - 21st June
Total public domain space: 7743m2
Overshadowing: 4535m2 58%

Overshadow breakdown:
Public Open Space 94%, Foreshow Park 0%



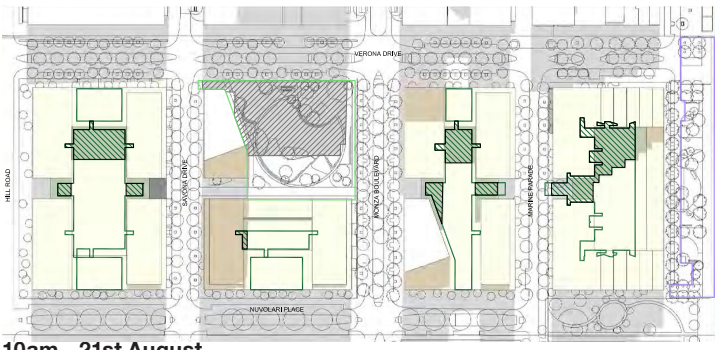
12pm - 21st June
Total public domain space: 7743m2
Overshadowing: 1310m2 17%

Overshadow breakdown:
Public Open Space 21%, Foreshow Park 9%



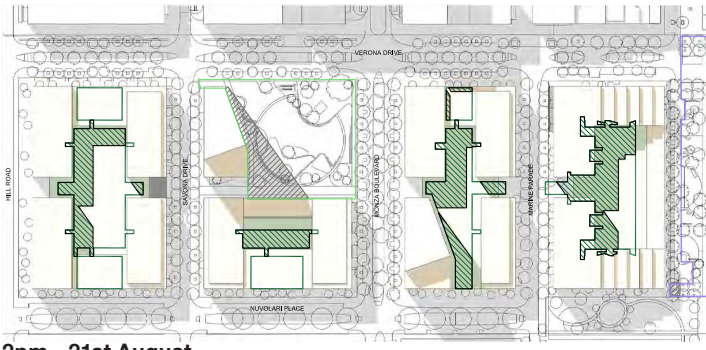
2pm - 21st June
Total public domain space: 7743m2
Overshadowing: 5032m2 65%

Overshadow breakdown:
Public Open Space 66%, Foreshow Park 63%



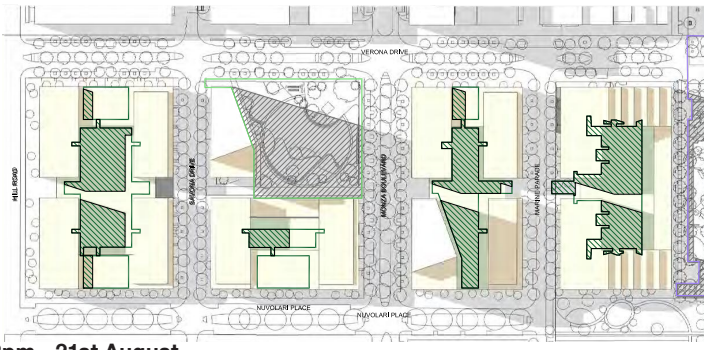
10am - 21st August
Total public domain space: 7743m2
Overshadowing: 2874m2 37%

Overshadow breakdown:
Public Open Space 59%, Foreshow Park 0%



12pm - 21st August
Total public domain space: 7743m2
Overshadowing: 1095m2 14%

Overshadow breakdown:
Public Open Space 21%, Foreshow Park 1%



2pm - 21st August
Total public domain space: 7743m2
Overshadowing: 4143m2 53%

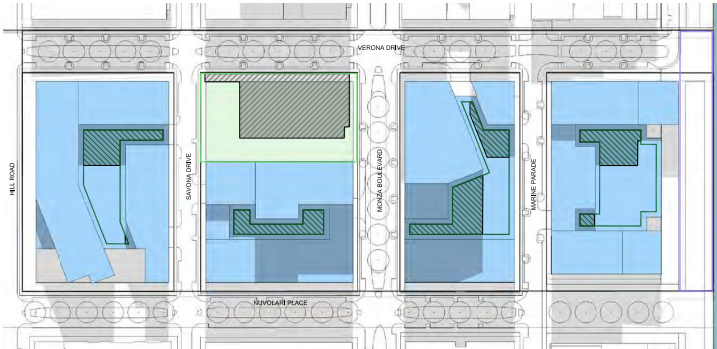
Overshadow breakdown:
Public Open Space 72%, Foreshow Park 21%

PUBLIC DOMAIN OVERSHADOWING BREAKDOWN

Indicative overshadow calculation breakdown for each public open space for existing development.

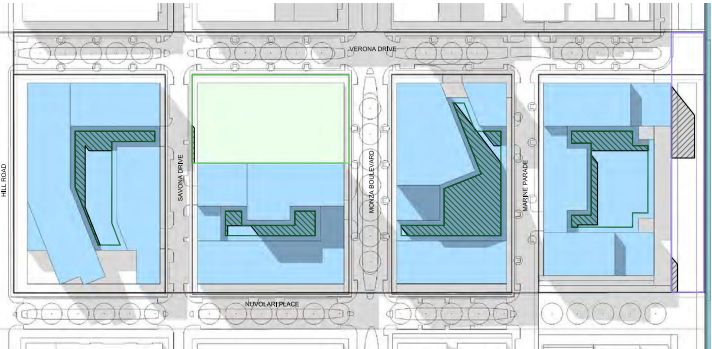
Public Open Space: 4790m2
Foreshore Park: 2900m2

EXISTING STAGE 1 APPROVAL



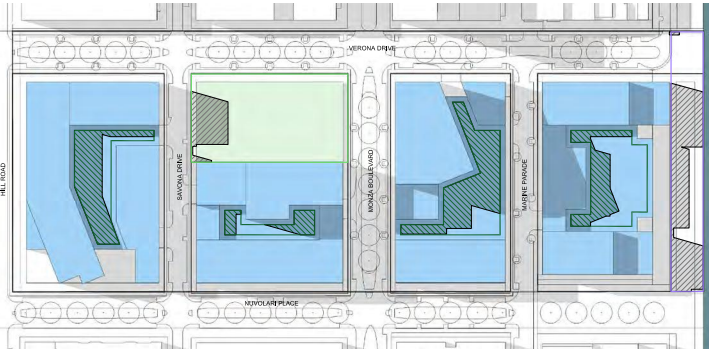
10am - 21st April
Total public domain space: 7690m2
Overshadowing: 4256m2 55%

Overshadow breakdown:
Public Open Space 52%, Foreshore Park 0%



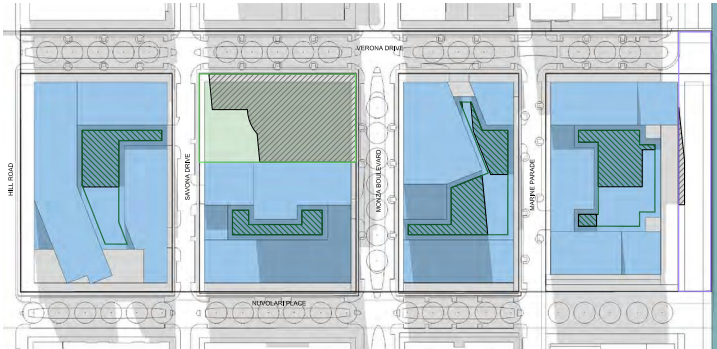
12pm - 21st April
Total public domain space: 7690m2
Overshadowing: 530m2 6.8%

Overshadow breakdown:
Public Open Space 0.06%, Foreshore Park 17%



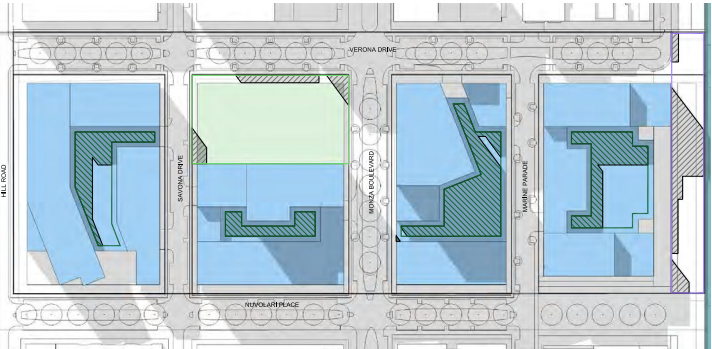
2pm - 21st April
Total public domain space: 7690m2
Overshadowing: 2378m2 31%

Overshadow breakdown:
Public Open Space 13%, Foreshore Park 59%



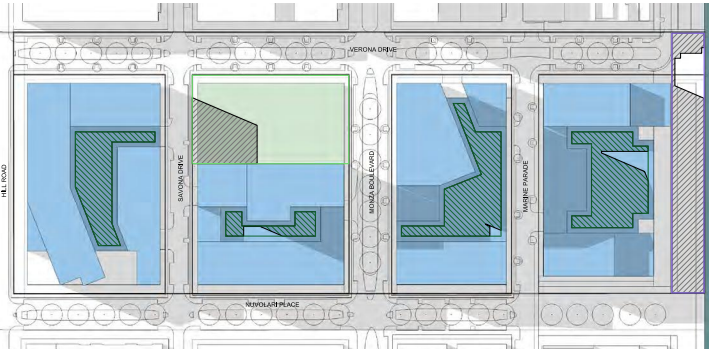
10am - 21st June
Total public domain space: 7690m2
Overshadowing: 5032m2 65%

Overshadow breakdown:
Public Open Space 76%, Foreshore Park 5%



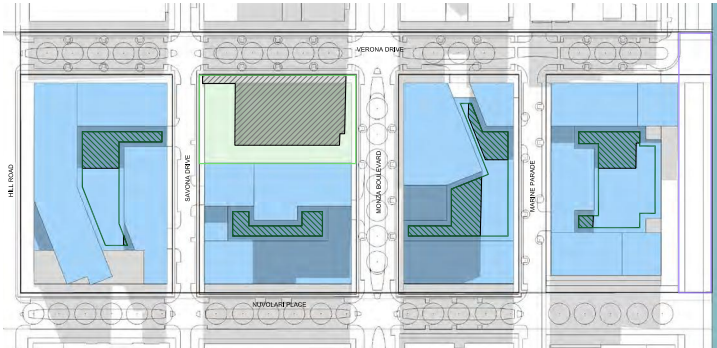
12pm - 21st June
Total public domain space: 7690m2
Overshadowing: 1610m2 21%

Overshadow breakdown:
Public Open Space 9%, Foreshore Park 40%



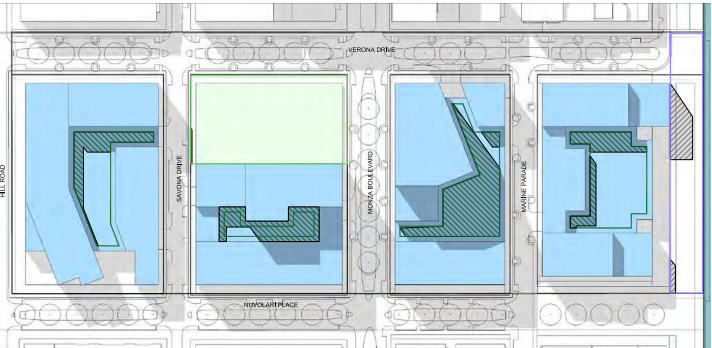
2pm - 21st June
Total public domain space: 7690m2
Overshadowing: 3681m2 47%

Overshadow breakdown:
Public Open Space 24%, Foreshore Park 86%



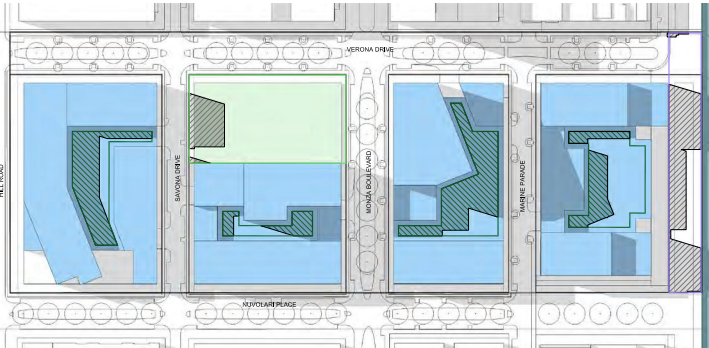
10am - 21st August
Total public domain space: 7690m2
Overshadowing: 2743m2 35%

Overshadow breakdown:
Public Open Space 57%, Foreshore Park 0%



12pm - 21st August
Total public domain space: 7690m2
Overshadowing: 510m2 6%

Overshadow breakdown:
Public Open Space 0%, Foreshore Park 17%



2pm - 21st August
Total public domain space: 7690m2
Overshadowing: 2320m2 30%

Overshadow breakdown:
Public Open Space 13%, Foreshore Park 58%

Overshadowing Legend

- Public Domain - Public Open Space
- Public Domain - Linear Park [DELETED]
- Public Domain - Foreshore
- Communal Outdoor Areas
- Public Domain - overshadowing (excluding streets)
- Communal Outdoor Area Overshadowing

Note: all area shown here are indicative only and produced from third party drawings

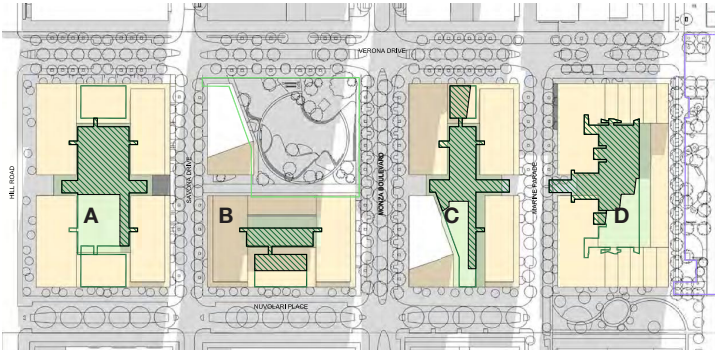
COMMUNAL OUTDOOR SPACE (COS) OVERSHADOWING BREAKDOWN

Indicative overshadow calculation breakdown for each blocks for proposed development at the winter solstice.

Block A COS: 3335 m2
Block B COS: 1025 m2
Block C COS: 1980 m2
Block D COS: 2265 m2

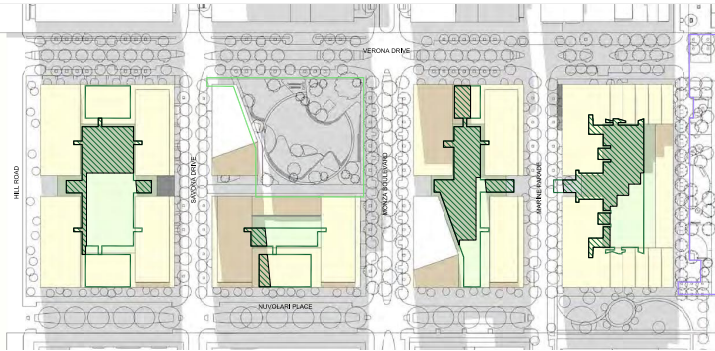
Indicative area for communal open space has been calculated excluding private open space

PROPOSED MASTERPLAN - 21st June



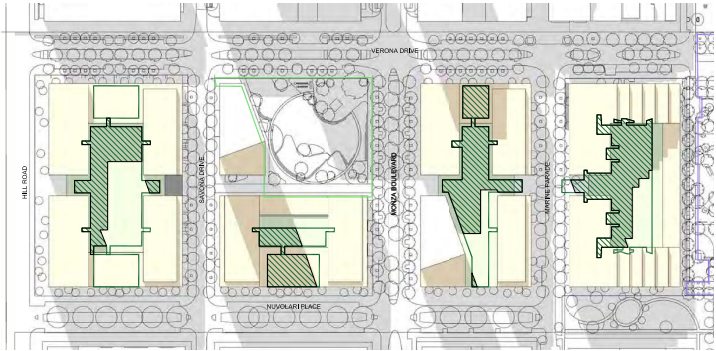
9am
Total communal outdoor space: 8605m2
Overshadowing: Communal 5245m2 60%

Overshadow breakdown:
Block A 46%, Block B 71%, Block C 70%, Block D 68%



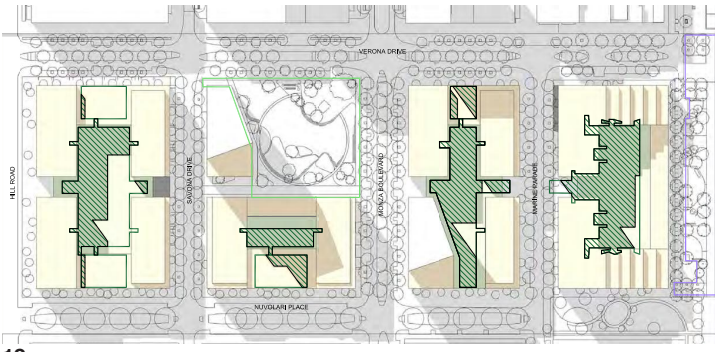
10am
Total communal outdoor space: 8605m2
Overshadowing: Communal 4153m2 48%

Overshadow breakdown:
Block A 33%, Block B 20%, Block C 67%, Block D 67%



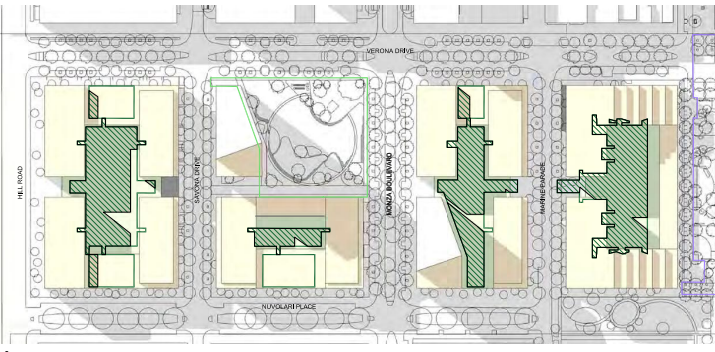
11am
Total communal outdoor space: 8605m2
Overshadowing: Communal 5210m2 60%

Overshadow breakdown:
Block A 37%, Block B 73%, Block C 75%, Block D 75%



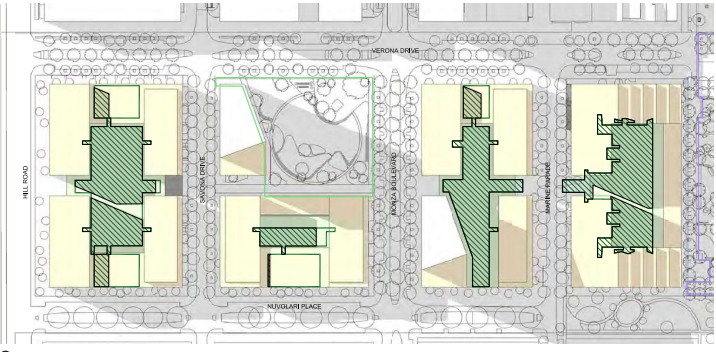
12pm
Total communal outdoor space: 8605m2
Overshadowing: Communal 5977m2 69%

Overshadow breakdown:
Block A 47%, Block B 66%, Block C 85%, Block D 88%



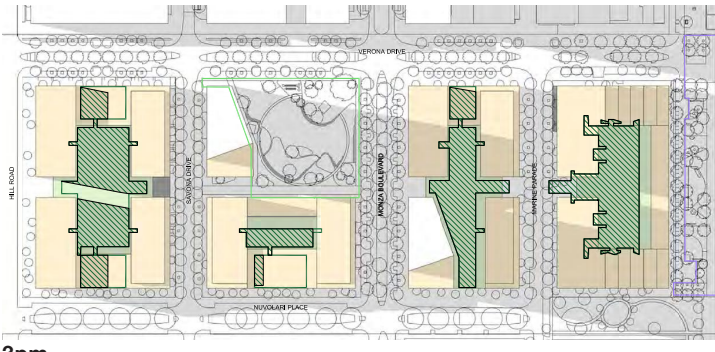
1pm
Total communal outdoor space: 8605m2
Overshadowing: Communal 6405m2 74%

Overshadow breakdown:
Block A 62%, Block B 40%, Block C 85%, Block D 96%



2pm
Total communal outdoor space: 8605m2
Overshadowing: Communal 6825m2 79%

Overshadow breakdown:
Block A 73%, Block B 36%, Block C 93%, Block D 94%



3pm
Total communal outdoor space: 8605m2
Overshadowing: Communal 7350m2 85%

Overshadow breakdown:
Block A 77%, Block B 51%, Block C 98%, Block D 98%

- Overshadowing Legend
- Public Domain - Public Open Space
 - Public Domain - Linear Park [DELETED]
 - Public Domain - Foreshore
 - Communal Outdoor Areas
 - Public Domain - overshadowing (excluding streets)
 - Communal Outdoor Area Overshadowing

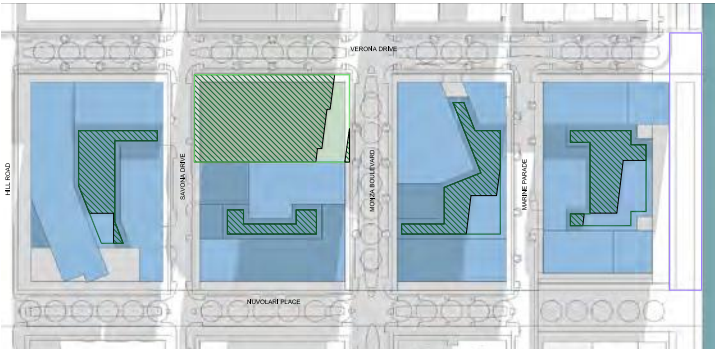
COMMUNAL OPEN SPACE (COS) OVERSHADOWING
BREAKDOWN

Indicative overshadow calculation breakdown for each blocks for existing stage 1 approval development at the winter solstice.

Block A COS: 1394 m2
Block B COS: 498 m2
Block C COS: 1791 m2
Block D COS: 1893 m2

Indicative area for communal open space has been calculated excluding private open space

EXISTING STAGE 1 APPROVAL - 21st June



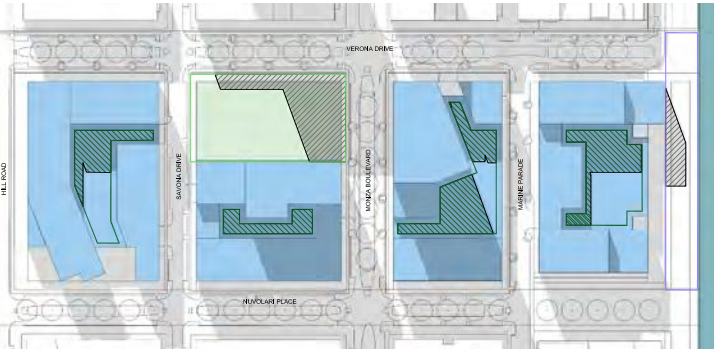
9am
Total communal outdoor space: 5576m2
Overshadowing: Communal 4241m2 76%

Overshadow breakdown:
Block A 86%, Block B 100%, Block C 75%, Block D 63%



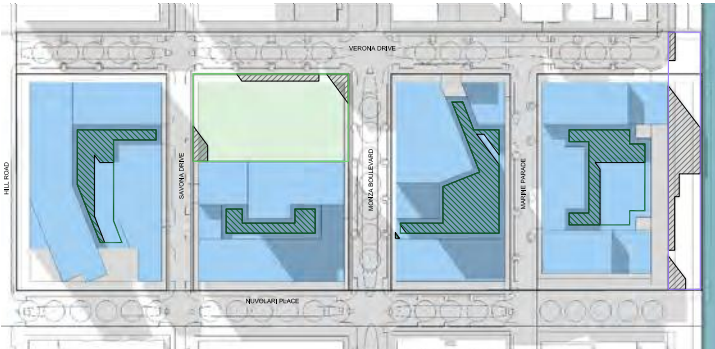
10am
Total communal outdoor space: 5576m2
Overshadowing: Communal 3614m2 64%

Overshadow breakdown:
Block A 62%, Block B 100%, Block C 68%, Block D 54%



11am
Total communal outdoor space: 5576m2
Overshadowing: Communal 3252m2 58%

Overshadow breakdown:
Block A 54%, Block B 100%, Block C 78%, Block D 52%



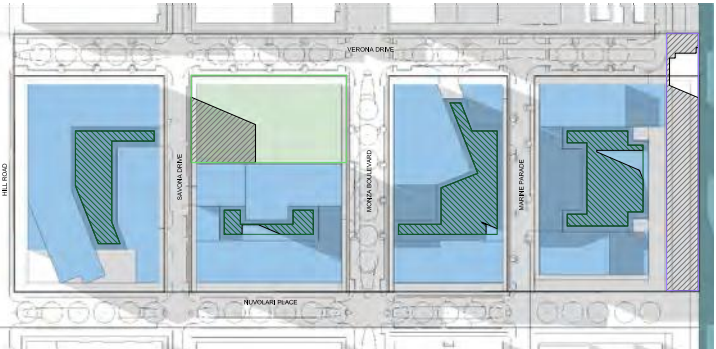
12pm
Total communal outdoor space: 5576m2
Overshadowing: Communal 4058m2 72%

Overshadow breakdown:
Block A 61%, Block B 100%, Block C 96%, Block D 51%



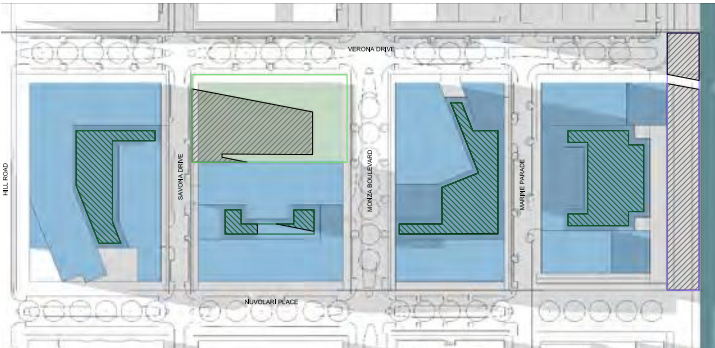
1pm
Total communal outdoor space: 5576m2
Overshadowing: Communal 4450m2 80%

Overshadow breakdown:
Block A 83%, Block B 90%, Block C 100%, Block D 55%



2pm
Total communal outdoor space: 5576m2
Overshadowing: Communal 5259m2 94%

Overshadow breakdown:
Block A 100%, Block B 81%, Block C 98%, Block D 90%



3pm
Total communal outdoor space: 5576m2
Overshadowing: Communal 5423m2 97%

Overshadow breakdown:
Block A 100%, Block B 69%, Block C 100%, Block D 100%

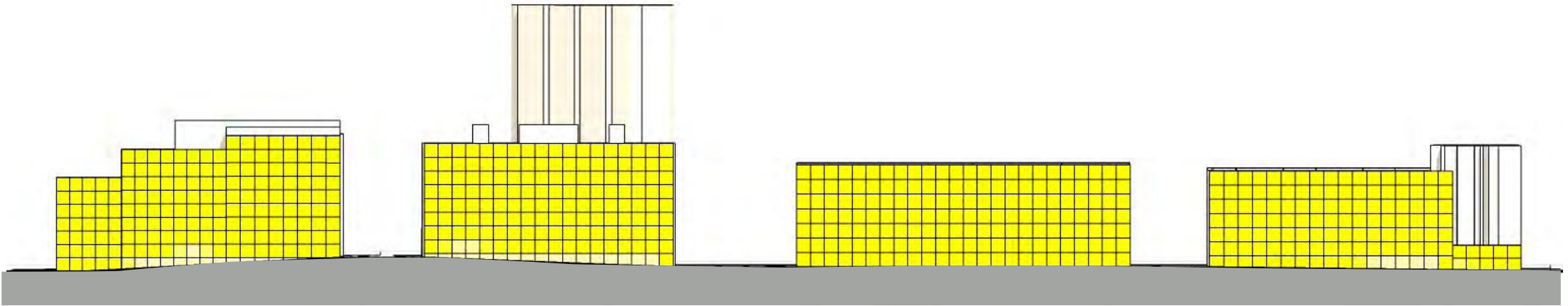
Overshadowing Legend

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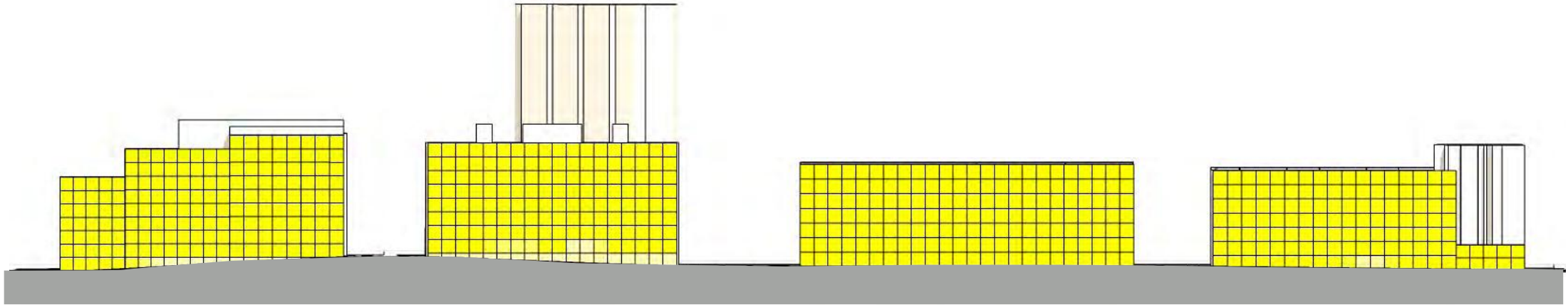
Note:
1. All area shown here are indicative only and produced from third party drawings
2. 3m wide Private Open Space has been considered on periphery of the Communal Open Space (COS) and has been excluded from the area calculation of COS for each block

OVERSHADOWING - NUVOLARI PLACE

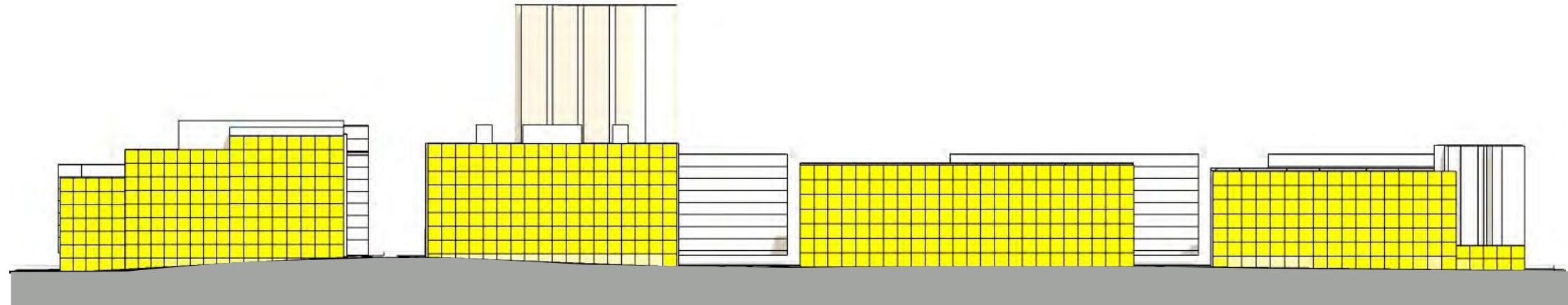
These diagrams analyse the overshadowing from Lot 8 onto the properties along Nuvolari place, to the south, on the winter solstice. It shows comparison between the DCP, the Stage 1 Development Approval and the proposed masterplan that the majority of the facade receives 2hr of solar access and that there is little difference between the different massing options, with only some level areas receiving less than the 2hrs.




Proposed Masterplan Envelope



Stage 1 Development Approval Envelope



DCP Envelope

 Nuvolari Place Northern Facade receiving 2hr or more sunlight on the 21st of June