



ZONE 08 WINFIELD ROAD - DETAILED ASSESSMENT - 22 SEPT 9AM

SCALE: 1 : 1500

NOTE: REFER TO DRAWING 9749 FOR DETAILED ASSESSMENT



ZONE 08 WINFIELD ROAD - DETAILED ASSESSMENT - 22 SEPT 12 NOON

SCALE: 1 : 1500

NOTE: REFER TO DRAWING 9749 FOR DETAILED ASSESSMENT

LEGEND - OVERSHADOWING PLANS

- PROJECT BOUNDARY
- UDLP BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- DRAWING NUMBER ON SHEET
- DRAWING AREA EXPANDED ON ANOTHER SHEET
- SHEET NUMBER

OVERSHADOWING DISCLAIMER NOTE:

OVERSHADOWING DIAGRAMS HAVE BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM MAJOR BUILDING ELEMENTS AND THEREFORE DO NOT ILLUSTRATE SHADOWS CASTED FROM MINOR ELEMENTS SUCH AS GANTRIES, LIGHT POLES, AND LOW-HEIGHT RETAINING WALLS. THIS ANALYSIS IS SUBJECT TO SITE SURVEYS WHICH ARE TO BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE WHICH WILL INCLUDE SURVEYS OF EXISTING BUILDING LOCATIONS, SOLAR PANEL LOCATIONS, SITE LEVELS, HABITABLE WINDOWS, ETC. SUBSEQUENT ADDITIONAL OVERSHADOWING ASSESSMENT WILL BE UNDERTAKEN AND THE RELEVANT IMPACTED PROPERTIES WILL BE CONSULTED.

ASSUMED NOISE WALL HEIGHTS: 10M

SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED NOISE WALL HEIGHT OF 10M (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN 2.5M - 3.6M WITH THE REMAINDER TO BE TRANSPARENT PANEL.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED; THIS IS SUBJECT TO DETAILED DESIGN.

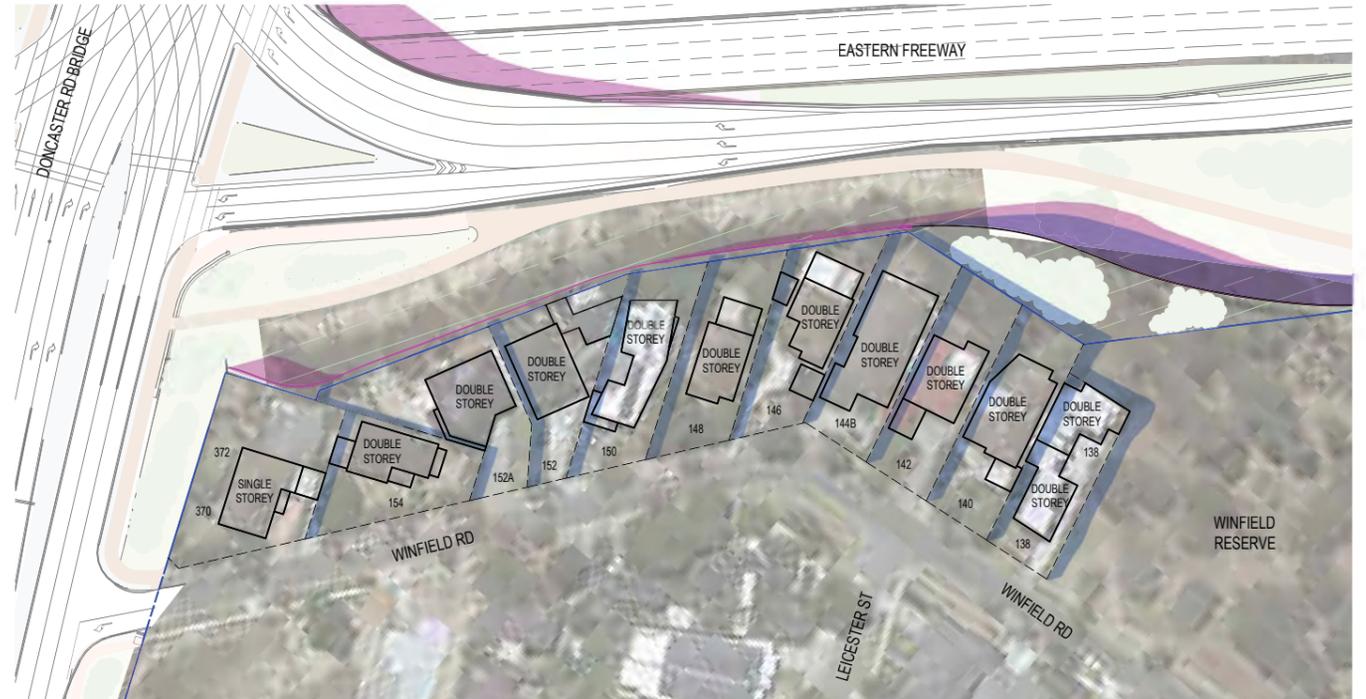
LEGEND - NOISE WALL TYPES



NW_CONCRETE PRECAST NW_CONCRETE STITCHAST

OVERSHADOWING ASSESSMENT -

REQUIREMENT - EPR-LP4 UNLESS WITH THE CONSENT OF AN AFFECTED LANDOWNER OR IN EXCEPTIONAL CIRCUMSTANCES, THE EXTENT OF ADDITIONAL OVERSHADOWING OF RESIDENTIAL PROPERTIES FROM NON-TRANSPARENT STRUCTURES:
 - SHOULD BE NO GREATER THAN EXISTING SHADOWING CAST BY EXISTING STRUCTURES; OR
 - IF ADDITIONAL OVERSHADOWING OCCURS IT MUST NOT BE GREATER THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE (S.P.O.S) OR 40 SQM, WHICHEVER IS THE GREATER BETWEEN THE HOURS OF 9:00 AM TO 3:00 PM AS MEASURED ON SEPTEMBER 22.



ZONE 08 WINFIELD ROAD - DETAILED ASSESSMENT - 22 SEPT 3PM

SCALE: 1 : 1500

NOTE: REFER TO DRAWING 9749 FOR DETAILED ASSESSMENT



ISSUED FOR USE

DOT DRAWING No.: Rev.:

Autodesk Docs/INEL - South Alliance/NEL-STH-NSA-5999-UUD-0002_UDLP.rvt

REV	DESCRIPTION	DATE	APPROVED BY	APPROVALS	DRAWN:	SIZE:
02	ISSUED FOR USE	28/06/2024	R. ROGERS			A3
01	ISSUED FOR USE	12/03/2024	T. THIRLWELL			A3
00	ISSUED FOR USE	21/02/2024	G. KYRIACOU			A3

			AREA ALLOCATED FOR QR CODE	NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - ZONE 8 CALLOUT DONCASTER INTERSECTION (WEST) - WINFIELD AVE		
				PROJECT CONTRACT: SOUTH	NELP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9734	SUIT. CODE: S4 REVISION: 02

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LEGEND - OVERSHADOWING PLANS

- PROJECT BOUNDARY
- UDLP BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- 1 DRAWING AREA EXPANDED ON ANOTHER SHEET
- 1111 SHEET NUMBER

LEGEND - NOISE WALL TYPES



NW_CONCRETE PRECAST

NW_CONCRETE STITCHCAST

OVERSHADOWING DISCLAIMER NOTE:

OVERSHADOWING DIAGRAMS HAVE BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM MAJOR BUILDING ELEMENTS AND THEREFORE DO NOT ILLUSTRATE SHADOWS CASTED FROM MINOR ELEMENTS SUCH AS GANTRIES, LIGHT POLES, AND LOW-HEIGHT RETAINING WALLS. THIS ANALYSIS IS SUBJECT TO SITE SURVEYS WHICH ARE TO BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE WHICH WILL INCLUDE SURVEYS OF EXISTING BUILDING LOCATIONS, SOLAR PANEL LOCATIONS, SITE LEVELS, HABITABLE WINDOWS, ETC. SUBSEQUENT ADDITIONAL OVERSHADOWING ASSESSMENT WILL BE UNDERTAKEN AND THE RELEVANT IMPACTED PROPERTIES WILL BE CONSULTED.

ASSUMED NOISE WALL HEIGHTS: 10M

SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED NOISE WALL HEIGHT OF 10M (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN 2.5M-3.5M 3.6M WITH THE REMAINDER TO BE TRANSPARENT PANEL.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED; THIS IS SUBJECT TO DETAILED DESIGN.

OVERSHADOWING ASSESSMENT -

REQUIREMENT - EPR-LP4 UNLESS WITH THE CONSENT OF AN AFFECTED LANDOWNER OR IN EXCEPTIONAL CIRCUMSTANCES, THE EXTENT OF ADDITIONAL OVERSHADOWING OF RESIDENTIAL PROPERTIES FROM NON-TRANSPARENT STRUCTURES: - SHOULD BE NO GREATER THAN EXISTING SHADOWING CAST BY EXISTING STRUCTURES; OR - IF ADDITIONAL OVERSHADOWING OCCURS IT MUST NOT BE GREATER THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE (S.P.O.S) OR 40 SQM, WHICHEVER IS THE GREATER BETWEEN THE HOURS OF 9:00 AM TO 3:00 PM AS MEASURED ON SEPTEMBER 22.



ZONE 09 JOCELYN AVE - DETAILED ASSESSMENT - 22 SEPT 9AM

SCALE: 1 : 1500

NOTE: REFER TO DRAWING 9751 FOR DETAILED ASSESSMENT



ZONE 09 JOCELYN AVE - DETAILED ASSESSMENT - 22 SEPT 12 NOON

SCALE: 1 : 1500

NOTE: REFER TO DRAWING 9751 FOR DETAILED ASSESSMENT



ZONE 09 JOCELYN AVE - DETAILED ASSESSMENT - 22 SEPT 3PM

SCALE: 1 : 1500

NOTE: REFER TO DRAWING 9751 FOR DETAILED ASSESSMENT



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REV	DESCRIPTION	DATE	APPROVED BY	APPROVALS	DRAWN:	SIZE:
02	ISSUED FOR USE	28/06/2024	G. KYRIACOUCO			A3
01	ISSUED FOR USE	12/03/2024				
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KYRIACOUCO ARCHITECTS **BKK ARCHITECTS** **T.C.L.**

MAJOR TRANSPORT INFRASTRUCTURE AUTHORITY

VICTORIA'S BIG BUILD

NORTH EAST LINK SOUTH ALLIANCE

Protective Marking: **OFFICIAL: Sensitive**

NORTH EAST LINK PROGRAM

AREA ALLOCATED FOR QR CODE

NORTH EAST LINK PROGRAM
 URBAN DESIGN AND LANDSCAPE PLAN

EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD
 OVERSHADOWING ASSESSMENT - ZONE 9 CALLOUT JOCELYN AVE
 DETAILED ASSESSMENT

PROJECT CONTRACT: SOUTH

NELP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9735

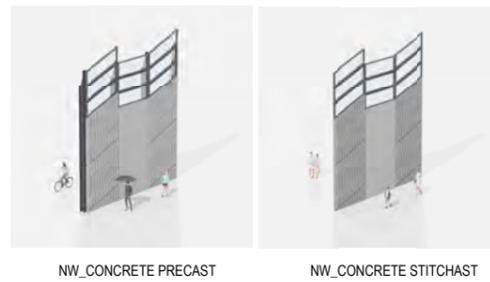
SUIT. CODE: S4

REVISION: 02

**LEGEND - PROPERTY
OVERSHADOWING ASSESSMENT**

- PROJECT BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL & FENCE
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
- EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM

THE EXISTING SHADOW IS 44m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 8m². THEREFORE, THERE IS ADDITIONAL OVERSHADOWING. THE SHADOW CAST BY PROPOSED NEW NOISE WALLS (NON-TRANSPARENT MATERIALS) AND EXISTING FENCING RESULT IN A TOTAL OF 52m², EQUIVALENT TO 23% OVERSHADOWING TO THE SPOS. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4, AS THE TOTAL PERCENTAGE OF SPOS IMPACTED BY SHADOWING IS LESS THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE OR 40SQM, WHICHEVER IS GREATER.

22 SEPT - 12NOON

THE EXISTING SHADOWS IS 28m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM

THE EXISTING SHADOWS IS 46m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m

SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. FOR THIS PROPERTY, A NOISE WALL OF 10m SOLID MATERIAL COMPLIES WITH THE EPR LP4.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



142 WINFIELD RD - 22 SEPT 12 NOON

SCALE: 1 : 250



142 WINFIELD RD - 22 SEPT 9 AM

SCALE: 1 : 250



142 WINFIELD RD - 22 SEPT 3 PM

SCALE: 1 : 250



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DOT DRAWING No.:

Rev.:

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02	ISSUED FOR USE	28/06/2024	R. ROGERS			A3
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00	ISSUED FOR USE	21/02/2024	G. KYRIACOU			A3

28/06/2024 9:20:54 AM

	<p>Protective Marking: OFFICIAL: Sensitive</p>	<p>PROJECT CONTRACT: SOUTH</p>	<p>NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 142 WINFIELD RD</p>	<p>AREA ALLOCATED FOR QR CODE</p>	<p>DOT DRAWING No.:</p>	<p>Rev.:</p>
					<p>NELP DRAWING No.:</p>	<p>SUIT. CODE</p>

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**LEGEND - PROPERTY
OVERSHADOWING ASSESSMENT**

-  PROJECT BOUNDARY
-  PROPOSED NOISE WALL
-  NEW SHADOW
-  EXISTING NOISE WALL & FENCE
-  EXISTING SHADOW
-  EXISTING & PROPOSED SHADOW OVERLAPPED
-  AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
-  EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM

THE EXISTING SHADOWS IS **54m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **0m²**. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 12NOON

THE EXISTING SHADOWS IS **30m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **0m²**. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM

THE EXISTING SHADOWS IS **29m²**, AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m, WITH 2.5m SOLID AND THE REMAINDER TRANSPARENT PANEL.

SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN **2.5m** WITH THE REMAINDER TO BE TRANSPARENT PANEL.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



144B WINFIELD RD
DOUBLE STOREY

TOTAL AREA OF S.P.O.S = 204m²
EXISTING SHADOW = 30m²
ADDITIONAL SHADOW = 0m²
TOTAL PROPOSED SHADOW = 30m² (15%)

144B WINFIELD RD - 22 SEPT 12 NOON

SCALE: 1 : 250



144B WINFIELD RD
DOUBLE STOREY

TOTAL AREA OF S.P.O.S = 204m²
EXISTING SHADOW = 54m²
ADDITIONAL SHADOW = 0m²
TOTAL PROPOSED SHADOW = 54m² (26%)

144B WINFIELD RD - 22 SEPT 9 AM

SCALE: 1 : 250

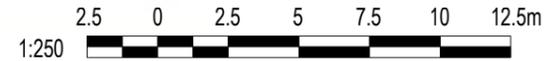


144B WINFIELD RD
DOUBLE STOREY

TOTAL AREA OF S.P.O.S = 204m²
EXISTING SHADOW = 29m²
ADDITIONAL SHADOW = 0m²
TOTAL PROPOSED SHADOW = 29m² (14%)

144B WINFIELD RD - 22 SEPT 3 PM

SCALE: 1 : 250



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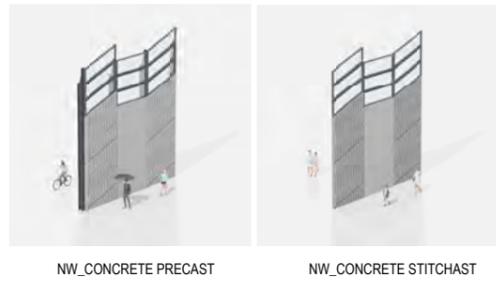
REV	DESCRIPTION	DATE	APPROVED BY	APPROVALS	DATE
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	<p>Protective Marking: OFFICIAL: Sensitive</p>	<p>PROJECT CONTRACT: SOUTH</p>	<p>NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 144B WINFIELD RD</p>	
			<p>AREA ALLOCATED FOR QR CODE</p>	<p>NELP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9742</p>

**LEGEND - PROPERTY
OVERSHADOWING ASSESSMENT**

- PROJECT BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL & FENCE
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
- EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM
THE EXISTING SHADOWS IS **77m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **0m²**. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 12NOON
THE EXISTING SHADOWS IS **43m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **0m²**. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM
THE EXISTING SHADOWS IS **23m²**, AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m, WITH 2.5m SOLID AND THE REMAINDER TRANSPARENT PANEL.
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN **2.5m** WITH THE REMAINDER TO BE TRANSPARENT PANEL.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



146 WINFIELD RD - 22 SEPT 12 NOON

SCALE: 1 : 250



146 WINFIELD RD - 22 SEPT 9 AM

SCALE: 1 : 250



146 WINFIELD RD - 22 SEPT 3 PM

SCALE: 1 : 250



ISSUED FOR USE

DOT DRAWING No.: _____ Rev.: _____

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00	ISSUED FOR USE	21/02/2024	G. KYRIACOUCO		12/03/2024

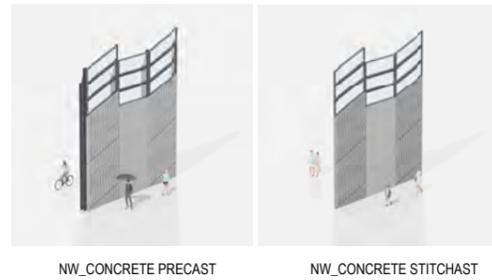
	AREA ALLOCATED FOR QR CODE 	NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 146 WINFIELD RD	
		PROJECT CONTRACT: SOUTH	NELS DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9743

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**LEGEND - PROPERTY
OVERSHADOWING ASSESSMENT**

- PROJECT BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL & FENCE
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
- EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM

THE EXISTING SHADOWS IS 51m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 12NOON

THE EXISTING SHADOWS IS 34m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM

THE EXISTING SHADOWS IS 33m², AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m, WITH 2.5M SOLID AND THE REMAINDER TRANSPARENT PANEL.
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN 2.5m WITH THE REMAINDER TO BE TRANSPARENT PANEL.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



148 WINFIELD RD - 22 SEPT 12 NOON

SCALE: 1 : 250



148 WINFIELD RD - 22 SEPT 9 AM

SCALE: 1 : 250



148 WINFIELD RD - 22 SEPT 3 PM

SCALE: 1 : 250



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REV	DESCRIPTION	DATE	APPROVED BY	APPROVALS	DATE	NAME	DATE	Conditions of Use
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01	ISSUED FOR USE	12/03/2024	DESIGNED BY	M. IERACI	12/03/2024	M. IERACI	12/03/2024	
00	ISSUED FOR USE	21/02/2024	VERIFIED BY	T. THIRLWELL	12/03/2024	T. THIRLWELL	12/03/2024	
			APPROVED BY	G. KYRIACOU	12/03/2024	G. KYRIACOU	12/03/2024	
REVISIONS			APPROVALS			DRAWN: -		SIZE: A3

NORTH EAST LINK PROGRAM
 URBAN DESIGN AND LANDSCAPE PLAN
EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD
OVERSHADOWING ASSESSMENT - 148 WINFIELD RD

PROJECT CONTRACT: SOUTH
 NLP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9744
 SUIT. CODE: S4
 REVISION: 02

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LEGEND - PROPERTY OVERSHADOWING ASSESSMENT

-  PROJECT BOUNDARY
-  PROPOSED NOISE WALL
-  NEW SHADOW
-  EXISTING NOISE WALL & FENCE
-  EXISTING SHADOW
-  EXISTING & PROPOSED SHADOW OVERLAPPED
-  AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
-  EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM

THE EXISTING SHADOWS IS 39m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 12NOON

THE EXISTING SHADOWS IS 12m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM

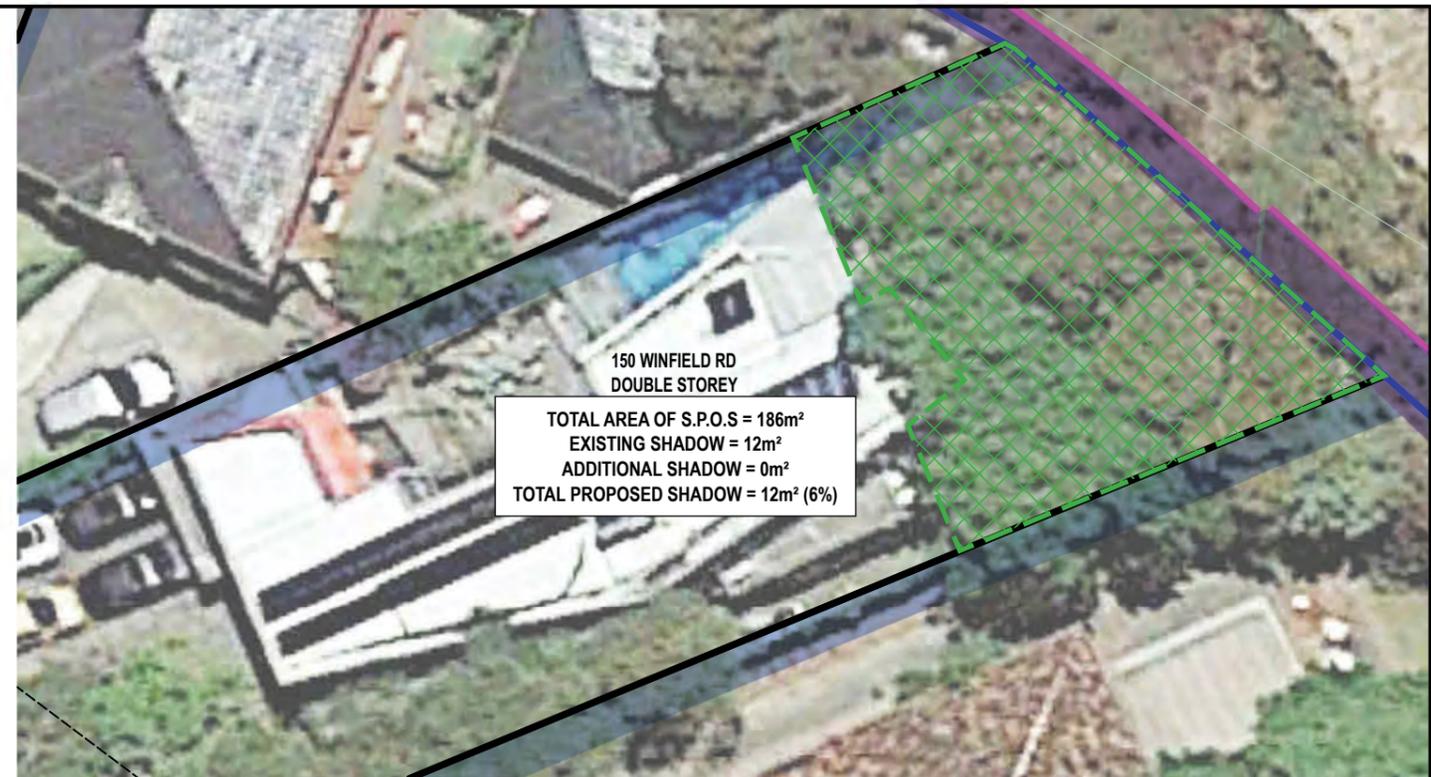
THE EXISTING SHADOWS IS 21m², AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m, WITH 2.5M SOLID AND THE REMAINDER TRANSPARENT PANEL.

SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN 2.5m WITH THE REMAINDER TO BE TRANSPARENT PANEL.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



150 WINFIELD RD - 22 SEPT 12 NOON

SCALE: 1 : 250



150 WINFIELD RD - 22 SEPT 9 AM

SCALE: 1 : 250



150 WINFIELD RD - 22 SEPT 3 PM

SCALE: 1 : 250



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Rev.:

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02	ISSUED FOR USE	28/06/2024	R. ROGERS		12/03/2024
01	ISSUED FOR USE	12/03/2024	T. THIRLWELL		12/03/2024
00	ISSUED FOR USE	21/02/2024	G. KYRIACOU		12/03/2024

28/06/2024 9:21:28 AM

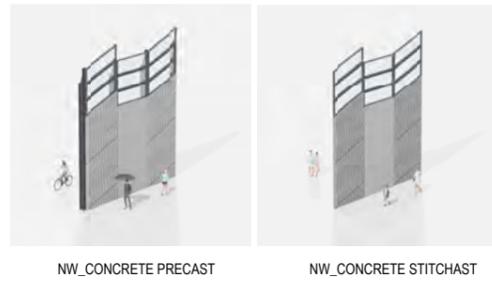
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			<p>EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 150 WINFIELD RD</p>	
<p>AREA ALLOCATED FOR QR CODE</p>		<p>NELP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9745</p>	<p>SUIT. CODE: S4</p>	<p>REVISION: 02</p>

Autodesk Docs/NEL - South Alliance/NEL-STH-NSA-5999-UUD-0002_UDLP.rvt

**LEGEND - PROPERTY
OVERSHADOWING ASSESSMENT**

- PROJECT BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL & FENCE
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
- EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM
THE EXISTING SHADOWS IS 35m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

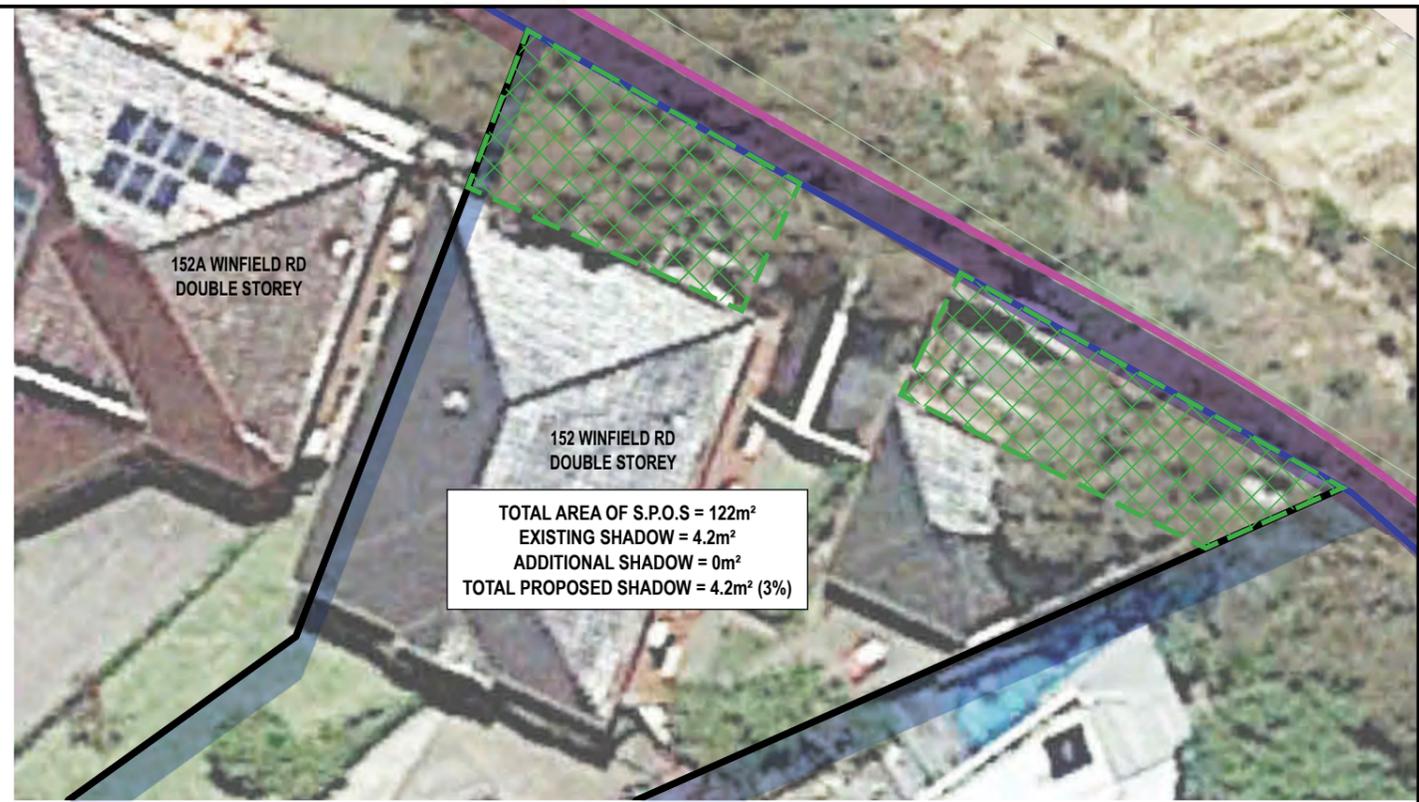
22 SEPT - 12NOON
THE EXISTING SHADOWS IS 4.2m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 0m². THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM
THE EXISTING SHADOWS IS 21m², AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m, WITH 2.5M SOLID AND THE REMAINDER TRANSPARENT PANEL.
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN 2.5m WITH THE REMAINDER TO BE TRANSPARENT PANEL.

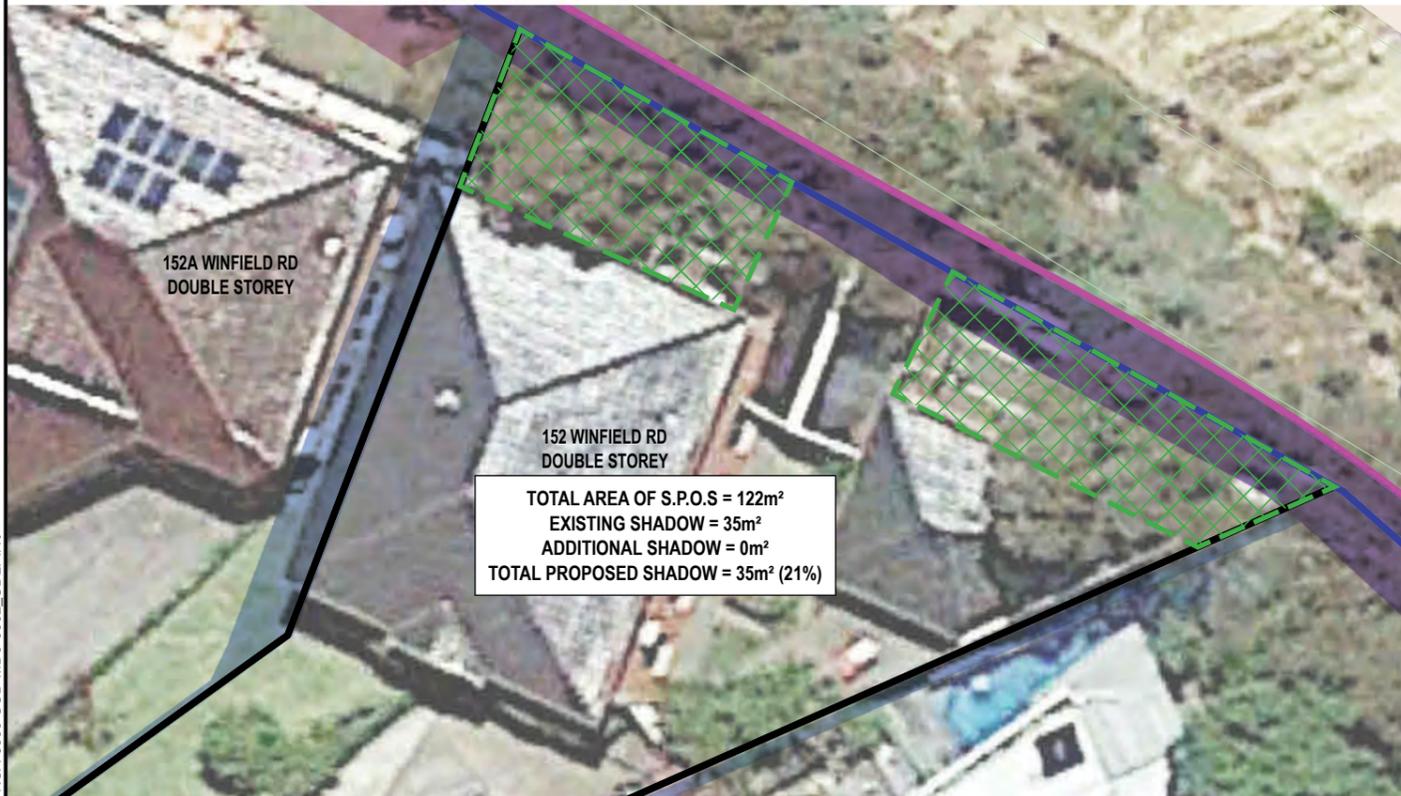
THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



152 WINFIELD RD - 22 SEPT 12 NOON

SCALE: 1 : 250

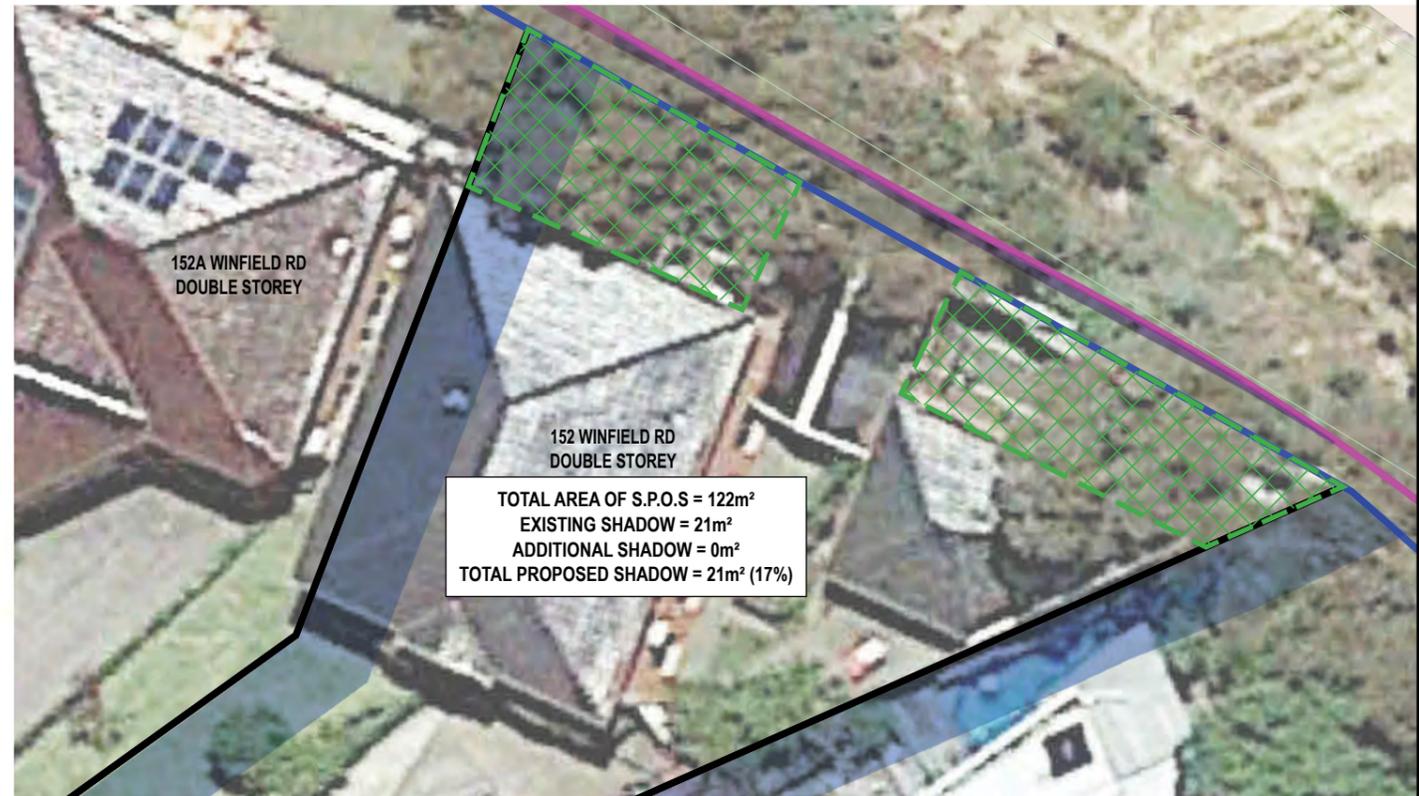
TOTAL AREA OF S.P.O.S = 122m²
EXISTING SHADOW = 4.2m²
ADDITIONAL SHADOW = 0m²
TOTAL PROPOSED SHADOW = 4.2m² (3%)



152 WINFIELD RD - 22 SEPT 9 AM

SCALE: 1 : 250

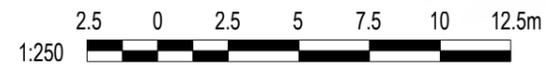
TOTAL AREA OF S.P.O.S = 122m²
EXISTING SHADOW = 35m²
ADDITIONAL SHADOW = 0m²
TOTAL PROPOSED SHADOW = 35m² (21%)



152 WINFIELD RD - 22 SEPT 3 PM

SCALE: 1 : 250

TOTAL AREA OF S.P.O.S = 122m²
EXISTING SHADOW = 21m²
ADDITIONAL SHADOW = 0m²
TOTAL PROPOSED SHADOW = 21m² (17%)



ISSUED FOR USE

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REV	DESCRIPTION	DATE	APPROVED BY	APPROVALS	DATE	NAME	DATE	Conditions of Use
02	ISSUED FOR USE	28/06/2024	G. KYRIACOUCO		12/03/2024	P. TRINCHI	12/03/2024	This Document has been developed for the purposes of the North East Link Program. Recipients of this document: - Are subject to obligations of confidentiality in relation to this document, and information handling obligations indicated by the Protective Marking/Security Classification as per Department of Transport and Planning Information Security Policy; and - May not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice
01	ISSUED FOR USE	12/03/2024			12/03/2024	M. IERACI	12/03/2024	
00	ISSUED FOR USE	21/02/2024			12/03/2024	R. ROGERS	12/03/2024	
					12/03/2024	T. THIRLWELL	12/03/2024	
						G. KYRIACOUCO	12/03/2024	

			AREA ALLOCATED FOR QR CODE	NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 152 WINFIELD RD		
				PROJECT CONTRACT: SOUTH	NELP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9746	SUIT. CODE: S4 REVISION: 02
Protective Marking: OFFICIAL: Sensitive		CAD FILE:		DRAWN: - SIZE: A3 SCALE: AS SHOWN		

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LEGEND - PROPERTY OVERSHADOWING ASSESSMENT

-  PROJECT BOUNDARY
-  PROPOSED NOISE WALL
-  NEW SHADOW
-  EXISTING NOISE WALL & FENCE
-  EXISTING SHADOW
-  EXISTING & PROPOSED SHADOW OVERLAPPED
-  AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
-  EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM
 THE EXISTING SHADOW IS **16m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **86m²**. THEREFORE, THERE IS ADDITIONAL OVERSHADOWING. THE SHADOW CAST BY PROPOSED NEW NOISE WALLS (NON-TRANSPARENT MATERIALS) AND EXISTING FENCING RESULT IN A TOTAL OF **102m²**, EQUIVALENT TO **33%** OVERSHADOWING TO THE SPOS. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4, AS THE TOTAL PERCENTAGE OF SPOS IMPACTED BY SHADOWING IS LESS THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE OR 40m², WHICH EVER IS GREATER.

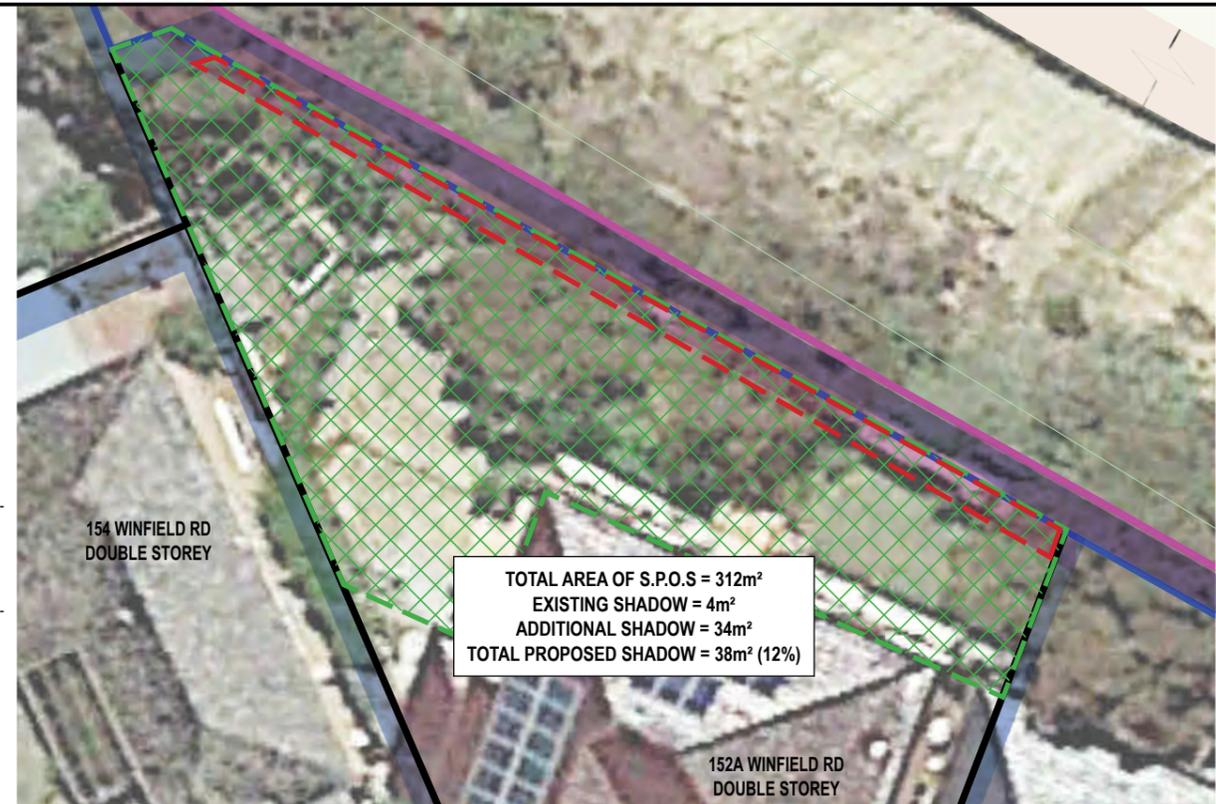
22 SEPT - 12NOON
 THE EXISTING SHADOW IS **4m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **34m²**. THEREFORE, THERE IS ADDITIONAL OVERSHADOWING. THE SHADOW CAST BY PROPOSED NEW NOISE WALLS (NON-TRANSPARENT MATERIALS) AND EXISTING FENCING RESULT IN A TOTAL OF **38m²**, EQUIVALENT TO **12%** OVERSHADOWING TO THE SPOS. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4, AS THE TOTAL PERCENTAGE OF SPOS IMPACTED BY SHADOWING IS LESS THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE OR 40m², WHICH EVER IS GREATER.

22 SEPT - 3PM
 THE EXISTING SHADOWS IS **36m²**, AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m, WITH 3.6M SOLID AND THE REMAINDER TRANSPARENT PANEL.
 SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN 3.6m WITH THE REMAINDER TO BE TRANSPARENT PANEL.

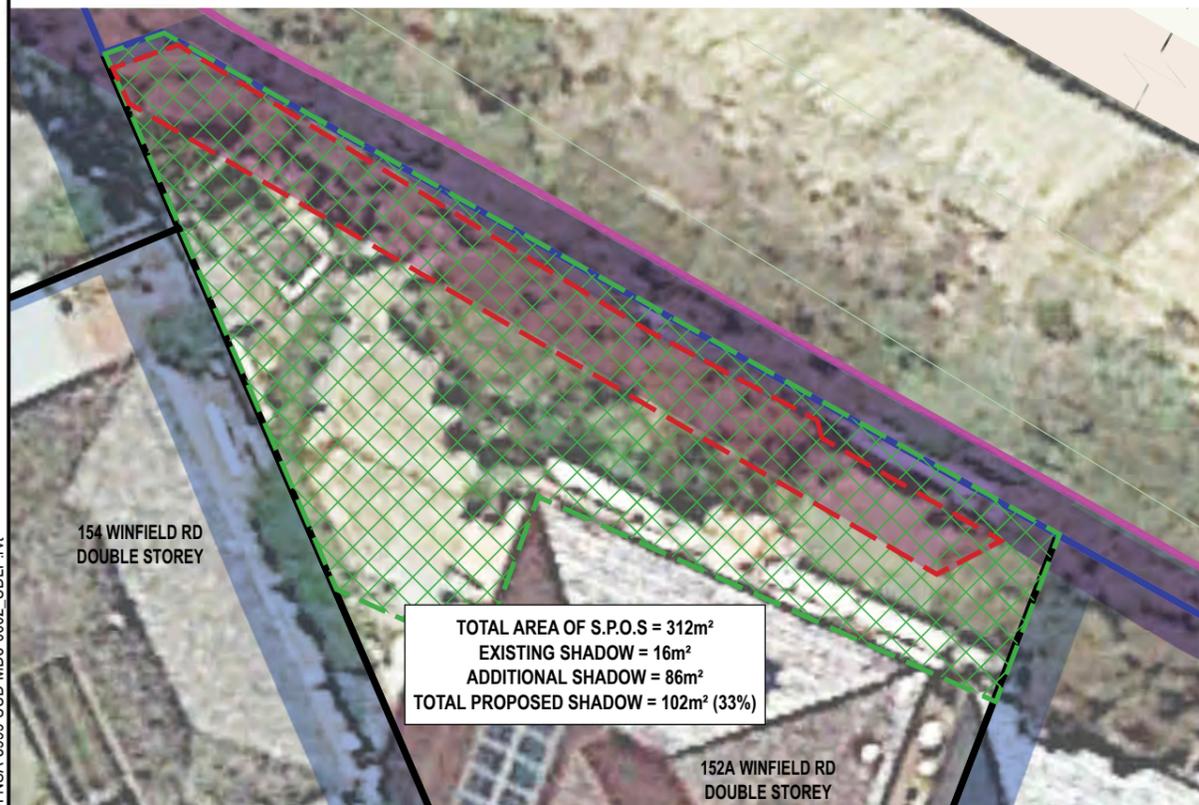
THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



TOTAL AREA OF S.P.O.S = 312m²
 EXISTING SHADOW = 4m²
 ADDITIONAL SHADOW = 34m²
 TOTAL PROPOSED SHADOW = 38m² (12%)

152A WINFIELD RD - 22 SEPT 12 NOON

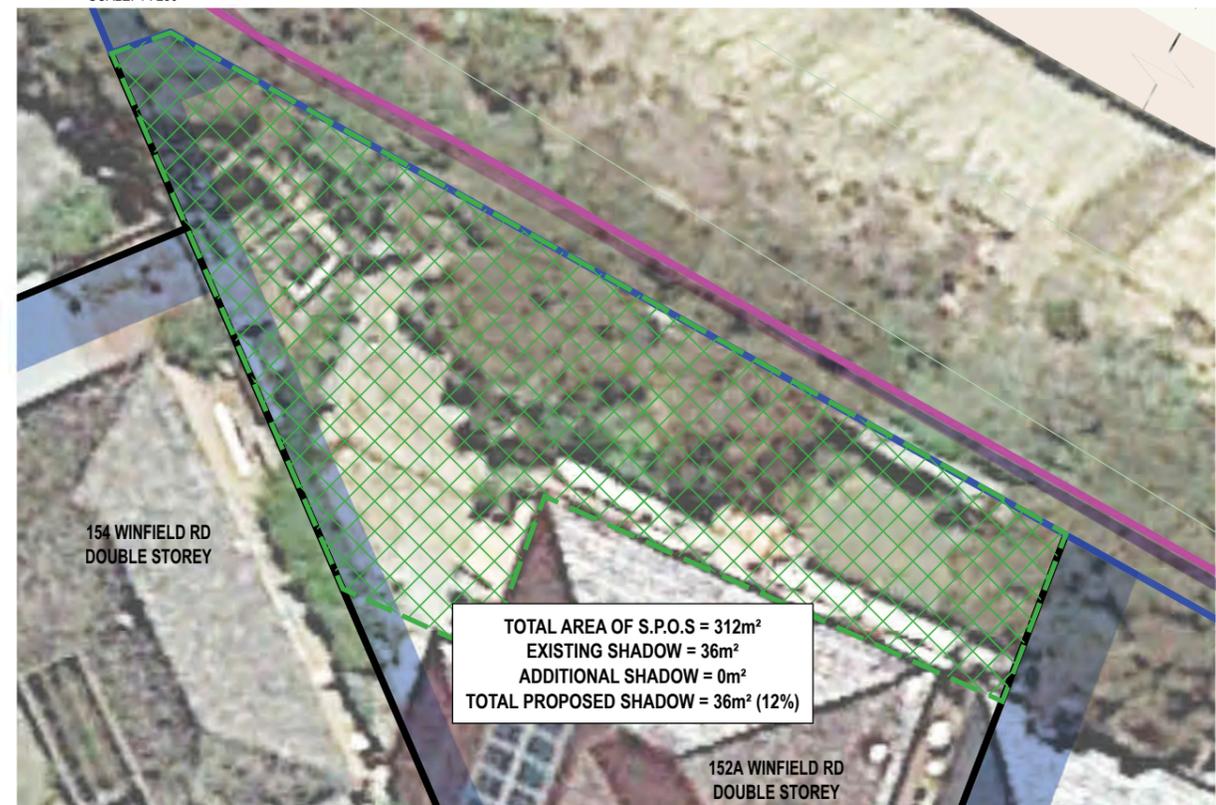
SCALE: 1 : 250



TOTAL AREA OF S.P.O.S = 312m²
 EXISTING SHADOW = 16m²
 ADDITIONAL SHADOW = 86m²
 TOTAL PROPOSED SHADOW = 102m² (33%)

152A WINFIELD RD - 22 SEPT 9 AM

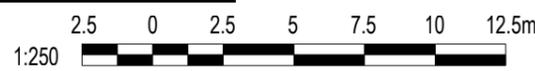
SCALE: 1 : 250



TOTAL AREA OF S.P.O.S = 312m²
 EXISTING SHADOW = 36m²
 ADDITIONAL SHADOW = 0m²
 TOTAL PROPOSED SHADOW = 36m² (12%)

152A WINFIELD RD - 22 SEPT 3 PM

SCALE: 1 : 250



ISSUED FOR USE

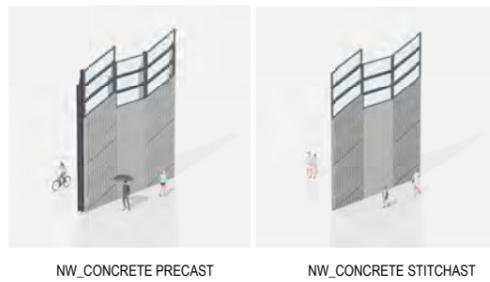
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© North East Link Program		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">DATE</th> <th style="width: 70%;">Conditions of Use</th> </tr> <tr> <td>DRAFTING CHECKED BY P. TRINCHI</td> <td>12/03/2024</td> <td rowspan="4"> This Document has been developed for the purposes of the North East Link Program. Recipients of this document: - Are subject to obligations of confidentiality in relation to this document, and information handling obligations indicated by the Protective Marking/Security Classification as per Department of Transport and Planning Information Security Policy; and - May not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice </td> </tr> <tr> <td>DESIGNED BY M. IERACI</td> <td>12/03/2024</td> </tr> <tr> <td>ENGINEERING CHECKED BY R. ROGERS</td> <td>12/03/2024</td> </tr> <tr> <td>VERIFIED BY T. THIRLWELL</td> <td>12/03/2024</td> </tr> <tr> <td>APPROVED BY G. KYRIACOU</td> <td>12/03/2024</td> <td></td> </tr> </table>	NAME	DATE	Conditions of Use	DRAFTING CHECKED BY P. TRINCHI	12/03/2024	This Document has been developed for the purposes of the North East Link Program. Recipients of this document: - Are subject to obligations of confidentiality in relation to this document, and information handling obligations indicated by the Protective Marking/Security Classification as per Department of Transport and Planning Information Security Policy; and - May not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice	DESIGNED BY M. IERACI	12/03/2024	ENGINEERING CHECKED BY R. ROGERS	12/03/2024	VERIFIED BY T. THIRLWELL	12/03/2024	APPROVED BY G. KYRIACOU	12/03/2024			AREA ALLOCATED FOR QR CODE 	NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 152A WINFIELD RD	PROJECT CONTRACT: SOUTH NLP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9747 SUIT. CODE: S4 REVISION: 02							
NAME	DATE	Conditions of Use																										
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">REV</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 30%;">DATE</th> </tr> <tr> <td>02</td> <td>ISSUED FOR USE</td> <td>28/06/2024</td> </tr> <tr> <td>01</td> <td>ISSUED FOR USE</td> <td>12/03/2024</td> </tr> <tr> <td>00</td> <td>ISSUED FOR USE</td> <td>21/02/2024</td> </tr> </table>	REV	DESCRIPTION	DATE	02	ISSUED FOR USE	28/06/2024	01	ISSUED FOR USE	12/03/2024	00	ISSUED FOR USE	21/02/2024	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">REV</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 30%;">DATE</th> </tr> <tr> <td>02</td> <td>ISSUED FOR USE</td> <td>28/06/2024</td> </tr> <tr> <td>01</td> <td>ISSUED FOR USE</td> <td>12/03/2024</td> </tr> <tr> <td>00</td> <td>ISSUED FOR USE</td> <td>21/02/2024</td> </tr> </table>	REV	DESCRIPTION	DATE	02	ISSUED FOR USE	28/06/2024	01	ISSUED FOR USE	12/03/2024	00	ISSUED FOR USE	21/02/2024	DOT DRAWING No.: Rev.:	DRAWN: - SIZE: A3 SCALE: AS SHOWN CAD FILE:	PROJECT CONTRACT: SOUTH NLP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9747 SUIT. CODE: S4 REVISION: 02
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**LEGEND - PROPERTY
OVERSHADOWING ASSESSMENT**

-  PROJECT BOUNDARY
-  PROPOSED NOISE WALL
-  NEW SHADOW
-  EXISTING NOISE WALL & FENCE
-  EXISTING SHADOW
-  EXISTING & PROPOSED SHADOW OVERLAPPED
-  AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
-  EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM
THE EXISTING SHADOWS IS 11m², AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

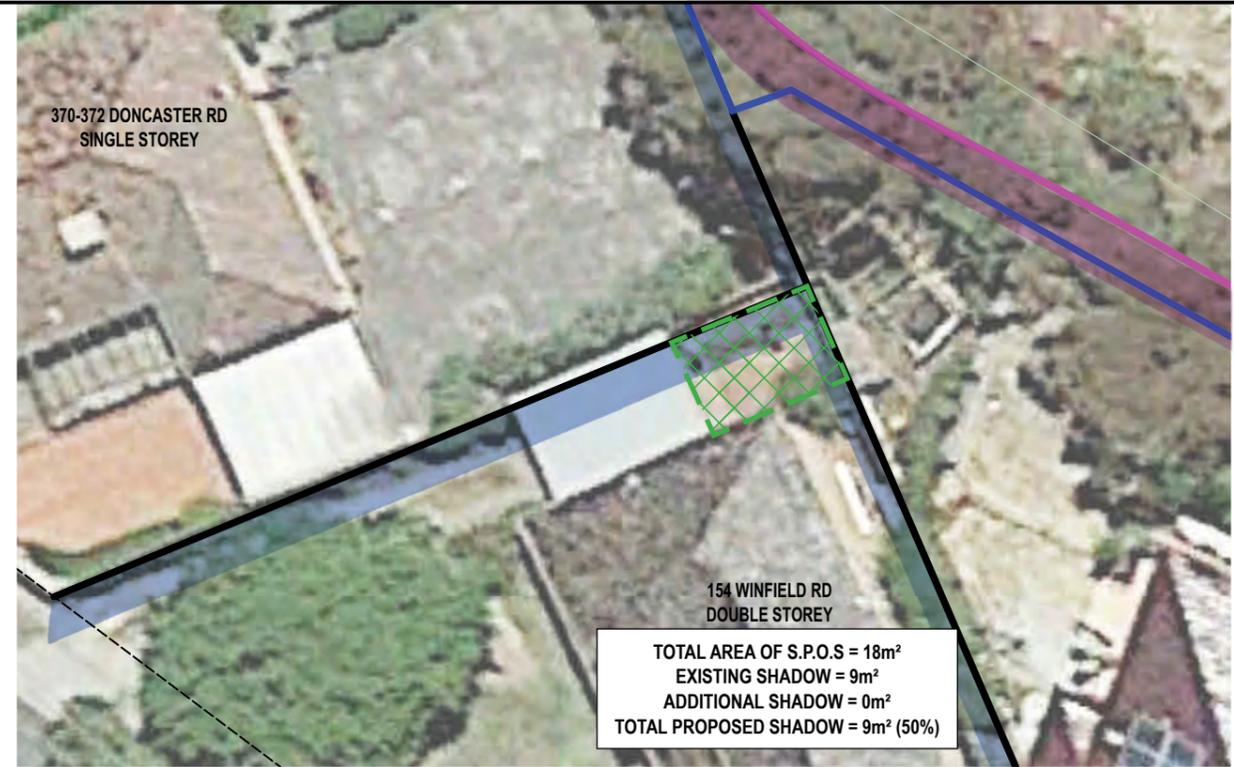
22 SEPT - 12NOON
THE EXISTING SHADOWS IS 9m², AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM
THE EXISTING SHADOWS IS 12m², AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m, WITH 3.6M SOLID AND THE REMAINDER TRANSPARENT PANEL.
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. MORE SPECIFICALLY, IT IS REQUIRED THAT NOISE WALLS INSTALLED ALONG THE SOUTHERN BOUNDARY OF THE EASTERN FREEWAY CORRIDOR DIRECTLY ABUTTING RESIDENTIAL PROPERTIES HAVE A SOLID HEIGHT OF NO GREATER THAN 3.6m WITH THE REMAINDER TO BE TRANSPARENT PANEL.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



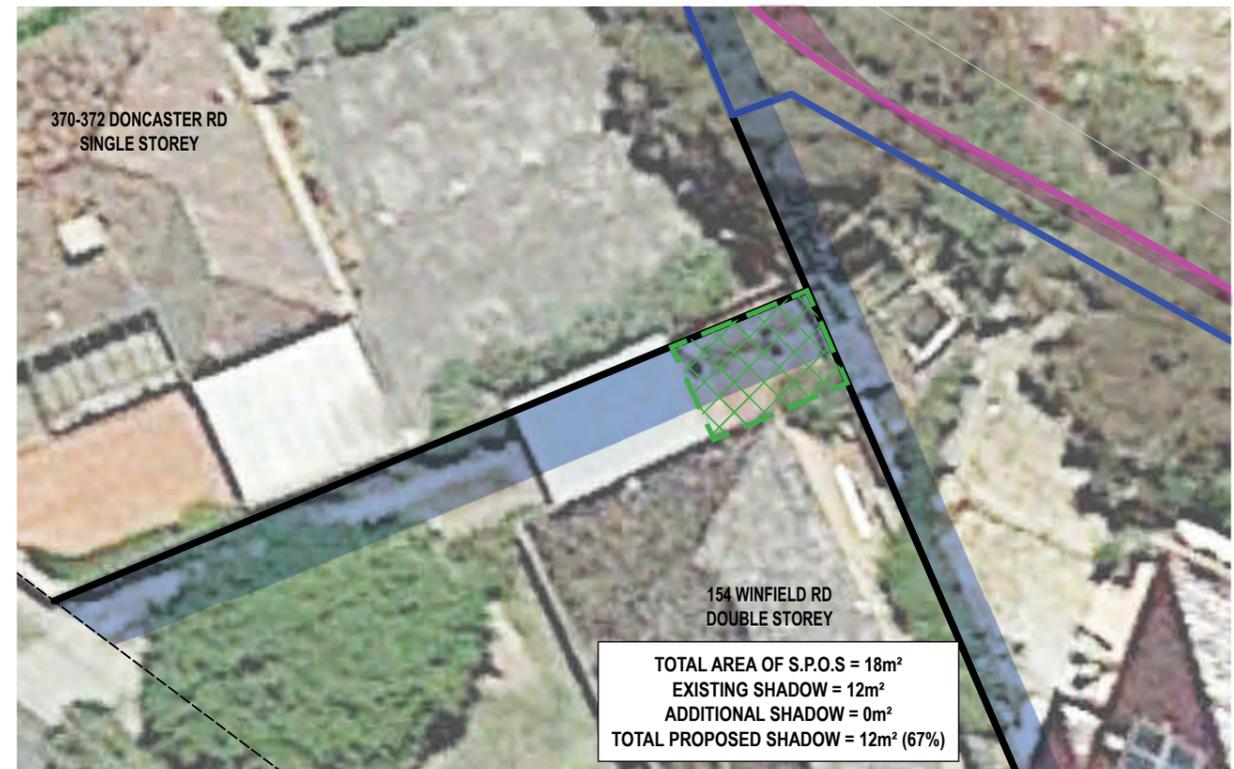
154 WINFIELD RD - 22 SEPT 12 NOON

SCALE: 1 : 250



154 WINFIELD RD - 22 SEPT 9 AM

SCALE: 1 : 250



154 WINFIELD - 22 SEPT 3 PM

SCALE: 1 : 250



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REV	DESCRIPTION	DATE	APPROVED BY	APPROVALS	DRAWN: -	SIZE: A3
02	ISSUED FOR USE	28/06/2024	R. ROGERS			
01	ISSUED FOR USE	12/03/2024	T. THIRLWELL			
00	ISSUED FOR USE	21/02/2024	G. KYRIACOU			

  	 	 <small>GPO BOX 4509 MELBOURNE VICTORIA 3001 PHONE 1800 105 105</small>	<p>NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN</p> <p>EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 154 WINFIELD RD</p>	<p>PROJECT CONTRACT: SOUTH</p>	<p>NELP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9748</p>	<p>SUIT. CODE S4</p>	<p>REVISION 02</p>
<p>Protective Marking: OFFICIAL: Sensitive</p>		<p>CAD FILE:</p>		<p>SCALE: AS SHOWN</p>		<p>SCALE: 1 : 250</p>	

**LEGEND - PROPERTY
OVERSHADOWING ASSESSMENT**

- PROJECT BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL & FENCE
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
- EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM

THE EXISTING SHADOW IS **73m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **16m²**. THEREFORE, THERE IS ADDITIONAL OVERSHADOWING. THE SHADOW CAST BY PROPOSED NEW NOISE WALLS (NON-TRANSPARENT MATERIALS) AND EXISTING FENCING RESULT IN A TOTAL OF **89m²**, EQUIVALENT TO **21%** OVERSHADOWING TO THE SPOS. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4, AS THE TOTAL PERCENTAGE OF SPOS IMPACTED BY SHADOWING IS LESS THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE OR 40m², WHICH EVER IS GREATER.

22 SEPT - 12NOON

THE EXISTING SHADOW IS **19m²**, AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS **0m²**. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

22 SEPT - 3PM

THE EXISTING SHADOWS IS **0m²**, AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

ASSUMED NOISE WALL HEIGHTS: 10m²

SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. FOR THIS PROPERTY, A NOISE WALL OF 10m SOLID MATERIAL COMPLIES WITH THE EPR LP4.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



370-372 DONCASTER RD - 22 SEPT 12 NOON

SCALE: 1 : 250



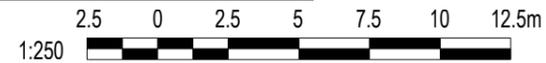
370-372 DONCASTER RD - 22 SEPT 9 AM

SCALE: 1 : 250



370-372 DONCASTER RD - 22 SEPT 3 PM

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	AREA ALLOCATED FOR QR CODE	NORTH EAST LINK PROGRAM URBAN DESIGN AND LANDSCAPE PLAN EASTERN FREEWAY UPGRADES - BURKE ROAD TO TRAM ROAD OVERSHADOWING ASSESSMENT - 370-372 DONCASTER RD	
		PROJECT CONTRACT: SOUTH	NELP DRAWING No.: NEL-STH-NSA-5900-UUD-DRG-9749
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LEGEND - PROPERTY OVERSHADOWING ASSESSMENT

- PROJECT BOUNDARY
- PROPOSED NOISE WALL
- NEW SHADOW
- EXISTING NOISE WALL & FENCE
- EXISTING SHADOW
- EXISTING & PROPOSED SHADOW OVERLAPPED
- AREA OF SECLUDED PRIVATE OPEN SPACE (S.P.O.S) TO THIS PROPERTY
- EXTENT OF ADDITIONAL OVERSHADOWING INTO (S.P.O.S)

LEGEND - NOISE WALL TYPES



ASSESSMENT SUMMARY

22 SEPT - 9AM
 THE EXISTING SHADOW IS 80m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 67m². THEREFORE, THERE IS ADDITIONAL OVERSHADOWING. THE SHADOW CAST BY PROPOSED NEW NOISE WALLS (NON-TRANSPARENT MATERIALS) AND EXISTING FENCING RESULT IN A TOTAL OF 147m², EQUIVALENT TO 31% OVERSHADOWING TO THE SPOS. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4, AS THE TOTAL PERCENTAGE OF SPOS IMPACTED BY SHADOWING IS LESS THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE OR 40m², WHICHEVER IS GREATER.

22 SEPT - 12NOON
 THE EXISTING SHADOWS IS 42m², AND THE AREA OF NEW SHADOWING FROM NEW NOISE WALLS IS 6m². THEREFORE, THERE IS ADDITIONAL OVERSHADOWING. THE SHADOW CAST BY PROPOSED NEW NOISE WALLS (NON-TRANSPARENT MATERIALS) AND EXISTING FENCING RESULT IN A TOTAL OF 48m², EQUIVALENT TO 31% OVERSHADOWING TO THE SPOS. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4, AS THE TOTAL PERCENTAGE OF SPOS IMPACTED BY SHADOWING IS LESS THAN 50% OF THE SECLUDED PRIVATE OPEN SPACE OR 40m², WHICHEVER IS GREATER.

22 SEPT - 3PM
 THE EXISTING SHADOWS IS 33m², AND NEW SHADOWING FROM NEW NOISE WALLS IS CAST OUTSIDE THE PROPERTY BOUNDARY. THEREFORE, THERE IS NO ADDITIONAL OVERSHADOWING. THIS COMPLIES WITH THE REQUIREMENTS OF EPR LP4.

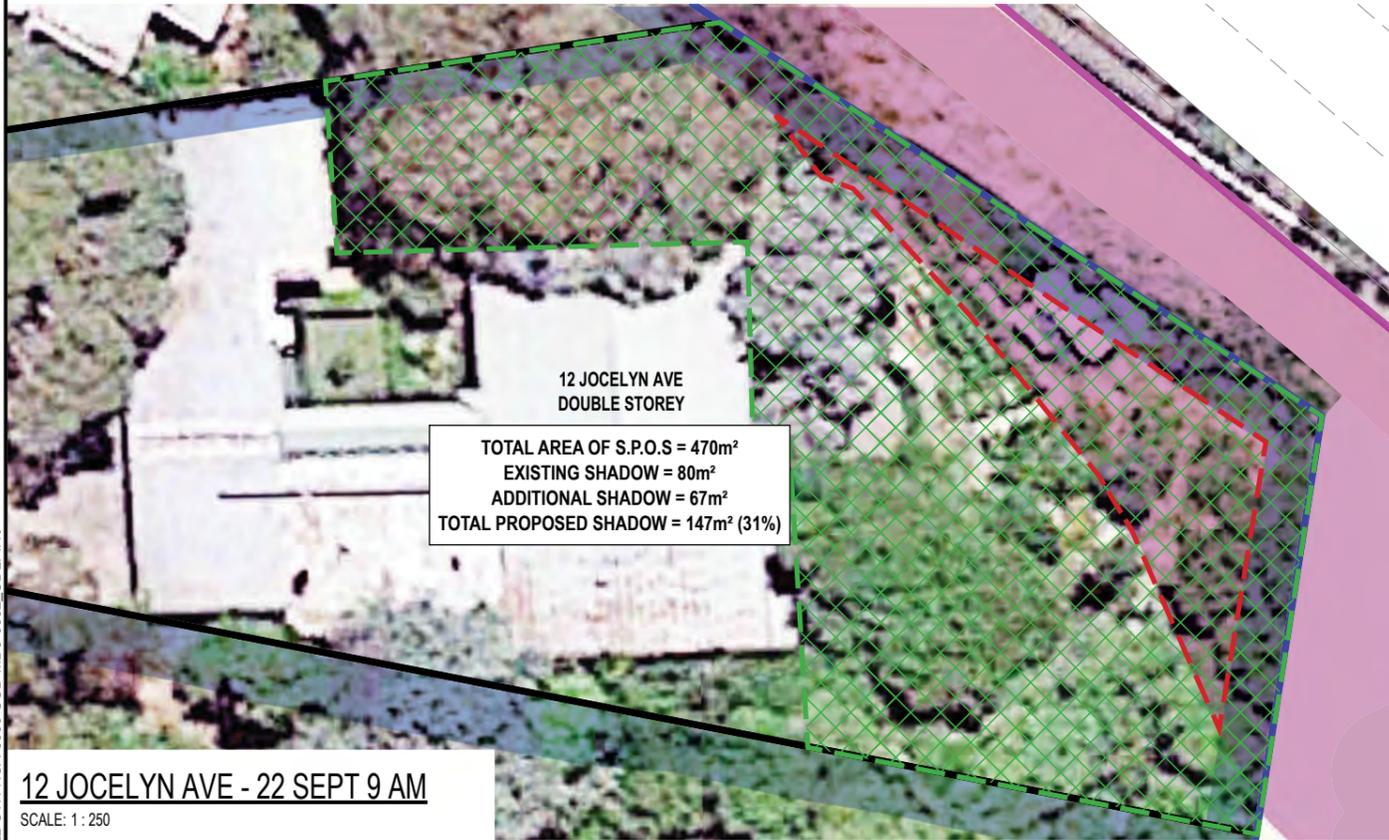
ASSUMED NOISE WALL HEIGHTS: 10m
 SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON ASSUMED NOISE WALL OF 10m (WHICH IS THE 'WORST CASE SCENARIO').

IN ACCORDANCE WITH EPR LP4, APPROPRIATE ACOUSTIC MITIGATION IS ACHIEVED THROUGH THE NOISE WALL TYPE, WHICH IS A COMBINATION OF TRANSPARENT PANELS AT THE UPPER LEVEL AND SOLID MATERIAL AT THE BASE. FOR THIS PROPERTY, A NOISE WALL OF 10M SOLID MATERIAL COMPLIES WITH THE EPR LP4.

THE NOISE WALL TYPE INCLUDED IN THE LEGEND SHOWS ONE TYPE OF SOLID MATERIAL. OTHER SOLID MATERIALS AT THE BASE MAY BE INCLUDED SUBJECT TO DETAILED DESIGN.



12 JOCELYN AVE - 22 SEPT 12 NOON
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12 JOCELYN AVE - 22 SEPT 9 AM
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12 JOCELYN AVE - 22 SEPT 3 PM
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