



Attachment 4: Urban Design Overshadowing Assessment

NORTH EAST LINK TUNNELS UDLP

ATTACHMENT 4 - ARCHITECTURE & URBAN DESIGN OVERSHADOWING ASSESSMENT



DRAWING NUMBER	TITLE
NEL-CNT-WMI-2990-UUD-DRG-0400	UDLP OVERSHADOWING DIAGRAM COVER SHEET
NEL-CNT-WMI-2990-UUD-DRG-0401	UDLP OVERSHADOWING DIAGRAM OVERALL SITE PLAN
NEL-CNT-WMI-2990-UUD-DRG-0402	UDLP OVERSHADOWING DIAGRAM WATSONIA PORTAL
NEL-CNT-WMI-2990-UUD-DRG-0403	UDLP OVERSHADOWING DIAGRAM NORTHERN VENTILATION STRUCTURE / L/P RD PORTAL
NEL-CNT-WMI-2990-UUD-DRG-0404	UDLP OVERSHADOWING DIAGRAM LOWER PLENTY SUBSTATION / LPR SUP BRIDGE
NEL-CNT-WMI-2990-UUD-DRG-0405	UDLP OVERSHADOWING DIAGRAM LPR SUP BRIDGE ANALYSIS
NEL-CNT-WMI-2990-UUD-DRG-0406	UDLP OVERLOOKING DIAGRAM LPR SUP BRIDGE ANALYSIS
NEL-CNT-WMI-2990-UUD-DRG-0407	UDLP OVERSHADOWING DIAGRAM MANNINGHAM INTERCHANGE
NEL-CNT-WMI-2990-UUD-DRG-0408	UDLP OVERSHADOWING DIAGRAM MOTORWAY CONTROL CENTRE
NEL-CNT-WMI-2990-UUD-DRG-0409	UDLP OVERSHADOWING DIAGRAM SOUTHERN VENTILATION STRUCTURE
NEL-CNT-WMI-2990-UUD-DRG-0415	UDLP OVERSHADOWING DIAGRAM WATSONIA PORTAL ANALYSIS
NEL-CNT-WMI-2990-UUD-DRG-0425	UDLP OVERSHADOWING DIAGRAM SILK STREET BRIDGE

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			DRAFTING CHECKED BY									
			DESIGNED BY									
			ENGINEERING CHECKED BY									
			VERIFIED BY									
08	FOR REVIEW	20.12.2024										
REV.	DESCRIPTION	DATE	APPROVED BY		HORIZONTAL DATUM: GDA84 MGA ZONE 55	HEIGHT DATUM: AHD	Protective Marking: OFFICIAL: Sensitive	PROJECT CONTRACT:	NELP DRAWING No.:	SUIT. CODE	REVISION	
REVISIONS				APPROVALS	DRAWN:	SIZE: A1	SCALE: NA	CAD FILE: NEL-CNT-WMI-2990-UUD-DRG-0400.dgn	NEL-CNT-WMI-2990-UUD-DRG-0400		08	
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SHADOW AND OVERLOOKING DIAGRAMS AND ANALYSIS

THE FOLLOWING SHADOW AND OVERLOOKING DIAGRAMS DEMONSTRATE IN-PRINCIPAL COMPLIANCE WITH THE NORTH EAST LINK PROJECT ENVIRONMENTAL MANAGEMENT FRAMEWORK DOCUMENT. THE DIAGRAMS CONSIDER THE FOLLOWING PERFORMANCE REQUIREMENTS AND REGULATIONS:

REQUIREMENT LP4 | REGULATION EMF, EPR LP4
MINIMISE OVERSHADOWING FROM NOISE WALLS AND ELEVATED STRUCTURES AND OVERLOOKING FROM ELEVATED STRUCTURES.

TYPICALLY ELEVATED STRUCTURES WILL CAST SHADOWS BACK ONTO NEW SITE ELEMENTS OR WITHIN THE PROJECT SITE BOUNDARIES DUE TO A COMBINATION OF NATURAL TOPOGRAPHY, ORIENTATION AND PARTIAL SUBMERSION OF ARCHITECTURAL ELEMENTS. THE MAJORITY OF ELEMENTS ARE LOCATED OUTSIDE OF THE FIFTEEN (15) METRE AREA OF CONSIDERATION FOR OVERLOOKING. DETAIL PLANS HAVE BEEN PROVIDED FOR THE EXCEPTIONS.

REQUIREMENT LV1 | REGULATION EMF, EPR LV1
DESIGN TO BE IN ACCORDANCE WITH THE URBAN DESIGN STRATEGY.

THE PACKAGES HAVE BEEN DESIGNED GENERALLY IN ACCORDANCE WITH THE URBAN DESIGN STRATEGY, INCLUDING REQUIREMENTS REGARDING SHADOWS AND OVERLOOKING REGULATIONS. A MORE DETAILED ASSESSMENT OF THESE COMPLIANCES IS INDICATED IN THE URBAN DESIGN REPORT.

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

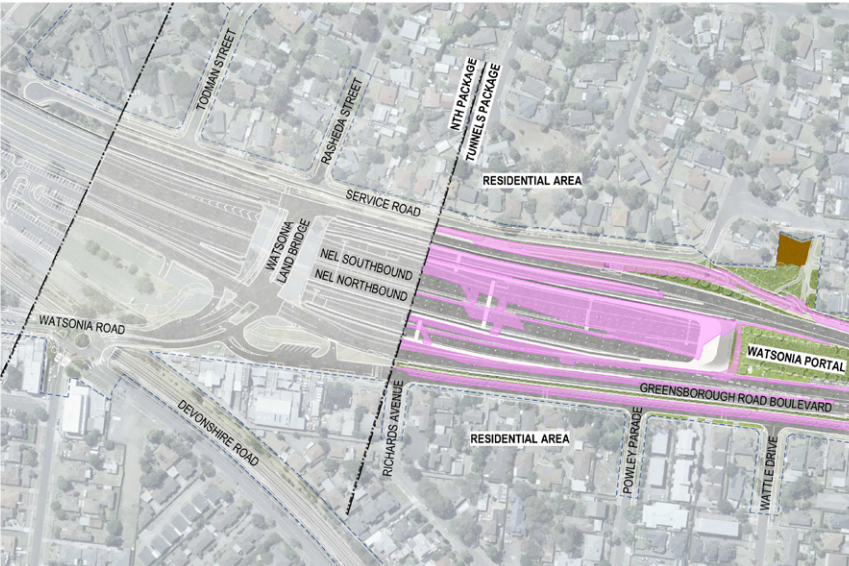
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WATSONIA PORTAL

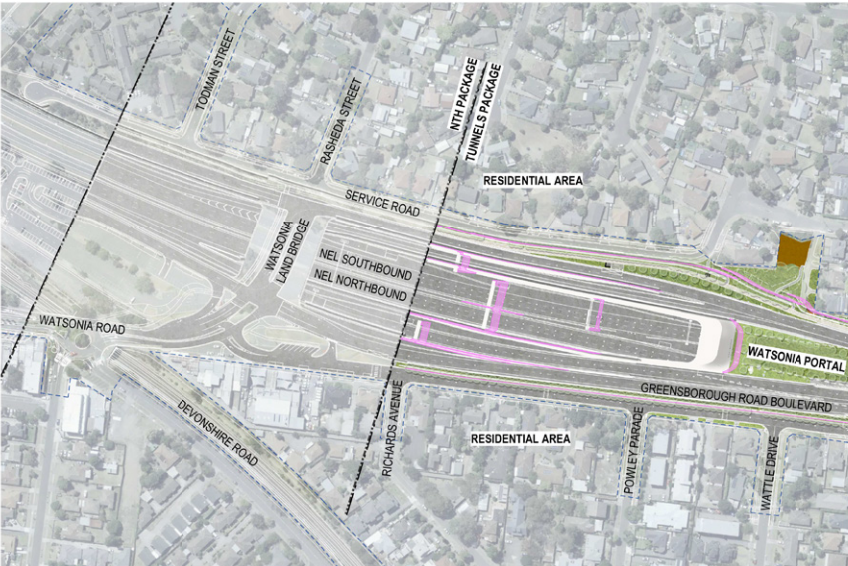


SEPTEMBER 22nd, 9AM
SCALE 1 : 2500

WATSONIA PORTAL
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.

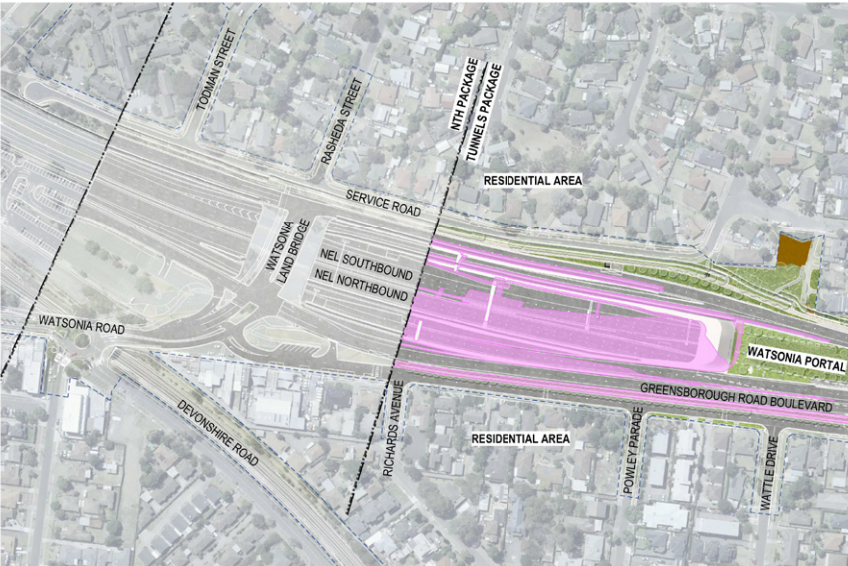


SEPTEMBER 22nd, 12PM
SCALE 1 : 2500

WATSONIA PORTAL
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. MINIMAL SHADING TO NEW SUP TO EAST OF PORTAL.

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.

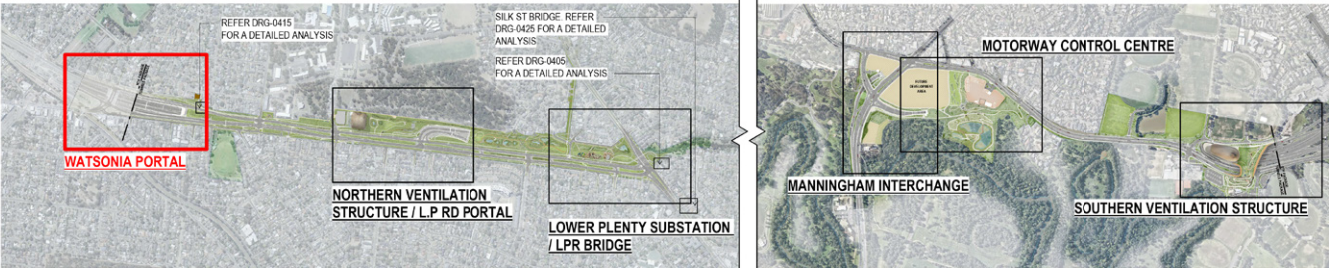


SEPTEMBER 22nd, 3PM
SCALE 1 : 2500

WATSONIA PORTAL
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS. SOME SHADING (APPROX 30%) TO PROPOSED FITNESS PARK TO EAST OF PORTAL.

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

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, VEGETATION, 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 CONSULTED.

SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

LEGEND
EXTENT OF SHADOWS

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS										DOT DRAWING No.:		Rev.:													
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NORTHERN VENTILATION STRUCTURE / LOWER PLENTY RD PORTAL



SEPTEMBER 22nd, 9AM
SCALE 1 : 2500

NORTHERN VENTILATION STRUCTURE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS

OVERLOOKING ANALYSIS
THERE ARE NO ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.



SEPTEMBER 22nd, 12PM
SCALE 1 : 2500

NORTHERN VENTILATION STRUCTURE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. MINIMAL SHADING TO RE-ESTABLISHED VEGETATION AND DAY-LIGHTED CREEK COURSE.

OVERLOOKING ANALYSIS
THERE ARE NO ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.

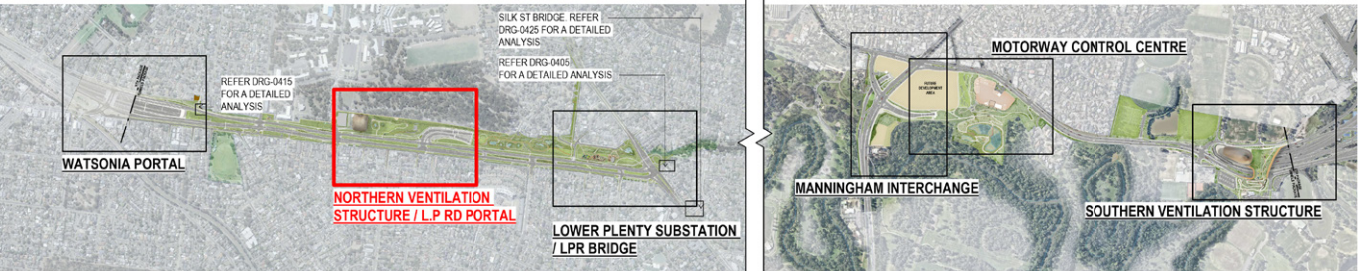


SEPTEMBER 22nd, 3PM
SCALE 1 : 2500

NORTHERN VENTILATION STRUCTURE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE MAINLY WITHIN PROJECT SITE BOUNDARY. SOME SHADING TO ESTABLISHED WOODLAND AND DAY-LIGHTED CREEK COURSE.

OVERLOOKING ANALYSIS
THERE ARE NO ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

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, VEGETATION, 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 CONSULTED.

SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

LEGEND

 EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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REVISIONS																



LOWER PLENTY SUBSTATION / LPR SUP BRIDGE



SEPTEMBER 22nd, 9AM
SCALE 1 : 2500

LOWER PLENTY ROAD SUP BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE MAINLY WITHIN PROJECT SITE BOUNDARY. SOME SHADING OVER NON-SENSITIVE URBAN ELEMENTS. SOME SHADING TO RE-ESTABLISHED VEGETATION AND BANYULE DRAIN. MINIMAL SHADING TO ADJACENT RESIDENTIAL PROPERTIES. REFER DRG 0405 FOR FURTHER ANALYSIS.

OVERLOOKING ANALYSIS
POSSIBILITY OF OVERLOOKING FROM LPR BRIDGE TO ADJACENT RESIDENTIAL PROPERTIES. REFER DRG 0406 FOR FURTHER ANALYSIS.



SEPTEMBER 22nd, 12PM
SCALE 1 : 2500

LOWER PLENTY ROAD SUP BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. MINIMAL SHADING OVER NON-SENSITIVE URBAN ELEMENTS. MINIMAL SHADING TO RE-ESTABLISHED VEGETATION AND BANYULE DRAIN.

OVERLOOKING ANALYSIS
POSSIBILITY OF OVERLOOKING FROM LPR BRIDGE TO ADJACENT RESIDENTIAL PROPERTIES. REFER DRG 0406 FOR FURTHER ANALYSIS.



SEPTEMBER 22nd, 3PM
SCALE 1 : 2500

LOWER PLENTY ROAD SUP BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. SOME SHADING OVER NON-SENSITIVE URBAN ELEMENTS. SOME SHADING TO ESTABLISHED WOODLAND VEGETATION AND BANYULE DRAIN.

OVERLOOKING ANALYSIS
POSSIBILITY OF OVERLOOKING FROM LPR BRIDGE TO ADJACENT RESIDENTIAL PROPERTIES. REFER DRG 0406 FOR FURTHER ANALYSIS.



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

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, VEGETATION, 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 CONSULTED.

SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

LEGEND
EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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REVISIONS			APPROVALS		DRAWN:	SIZE: A1	SCALE: AS SHOWN
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LOWER PLENTY SUP / LPR BRIDGE



SEPTEMBER 22nd, 9AM
SCALE 1 : 250

LOWER PLENTY ROAD SUP BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
BRIDGE CONSTITUTES 4.6% ADDITIONAL SHADING OF EXISTING SECLUDED PRIVATE OPEN SPACE. ADDITIONAL SHADOWS CAST CONSISTS OF BOTH SOLID & PARTIALLY TRANSPARENT SHADING.

OVERLOOKING ANALYSIS
REFER NEXT PAGE



SEPTEMBER 22nd, 12PM
SCALE 1 : 250

LOWER PLENTY ROAD SUP BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
BRIDGE CONTRIBUTES NO ADDITIONAL SHADING OF EXISTING SECLUDED PRIVATE OPEN SPACE

OVERLOOKING ANALYSIS
REFER NEXT PAGE

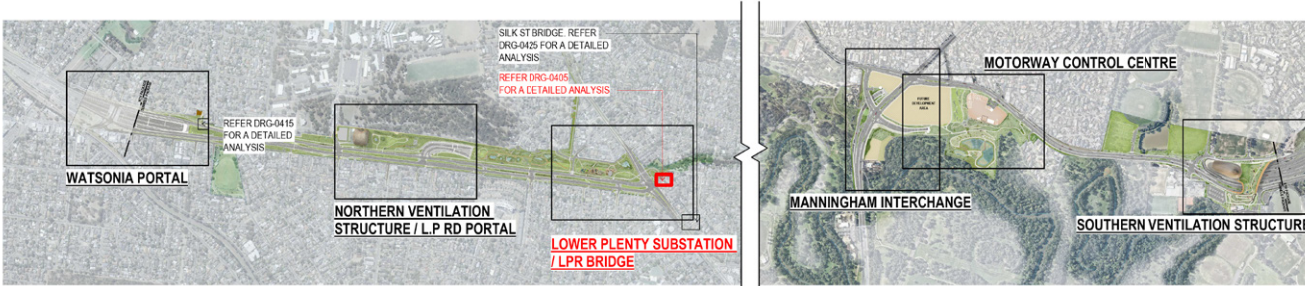


SEPTEMBER 22nd, 3PM
SCALE 1 : 250

LOWER PLENTY ROAD SUP BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
BRIDGE CONTRIBUTES NO ADDITIONAL SHADING OF EXISTING SECLUDED PRIVATE OPEN SPACE

OVERLOOKING ANALYSIS
REFER NEXT PAGE



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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, VEGETATION, LIGHT POLES AND LOW-HEIGHT RETAINING WALLS.

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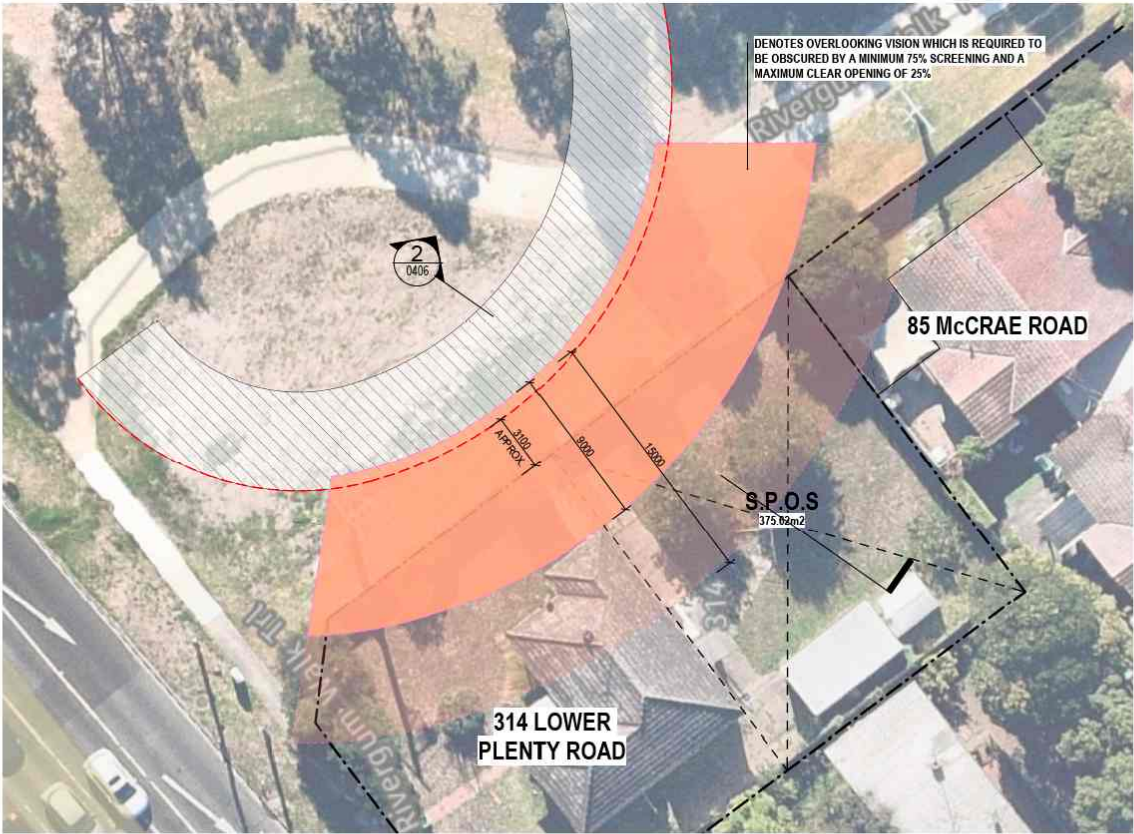
SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

- LEGEND**
- PROPOSED SHADOWS
 - EXISTING FENCE SHADOWS
 - SECLUDED PRIVATE OPEN SPACE (S.P.O.S)
 - EXTENT OF OVERSHADOWING INTO S.P.O.S
 - LPR BRIDGE

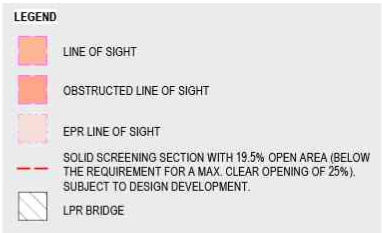
DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS										DOT DRAWING No.:		Rev.:									
North East Link Program																					
				NAME		DATE		Conditions of Use				 VICTORIAN INFRASTRUCTURE DELIVERY AUTHORITY		 GPO BOX 4509, MELBOURNE, VICTORIA, 3001 PHONE 1800 105 105		NORTH EAST LINK TUNNELS UDLP ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN UDLP OVERSHADOWING DIAGRAM LPR SUP BRIDGE ANALYSIS					
								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 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													
FOR REVIEW		20.12.2024		VERIFIED BY				HORIZONTAL DATUM: GDA94 MGA ZONE 55		HEIGHT DATUM: AHD		Protective Marking: OFFICIAL: Sensitive		PROJECT CONTRACT:		NELP DRAWING No.: NEL-CNT-WMI-2990-UUD-DRG-0405		SUIT. CODE		REVISION 08	
		DATE		APPROVED BY				DRAWN:		SIZE: A1		SCALE: AS SHOWN		CAD FILE: NEL-CNT-WMI-2990-UUD-DRG-0405.dgn							
REVISIONS				APPROVALS																	
8/2025 10:53:44 AM																					

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LOWER PLENTY SUP / LPR BRIDGE



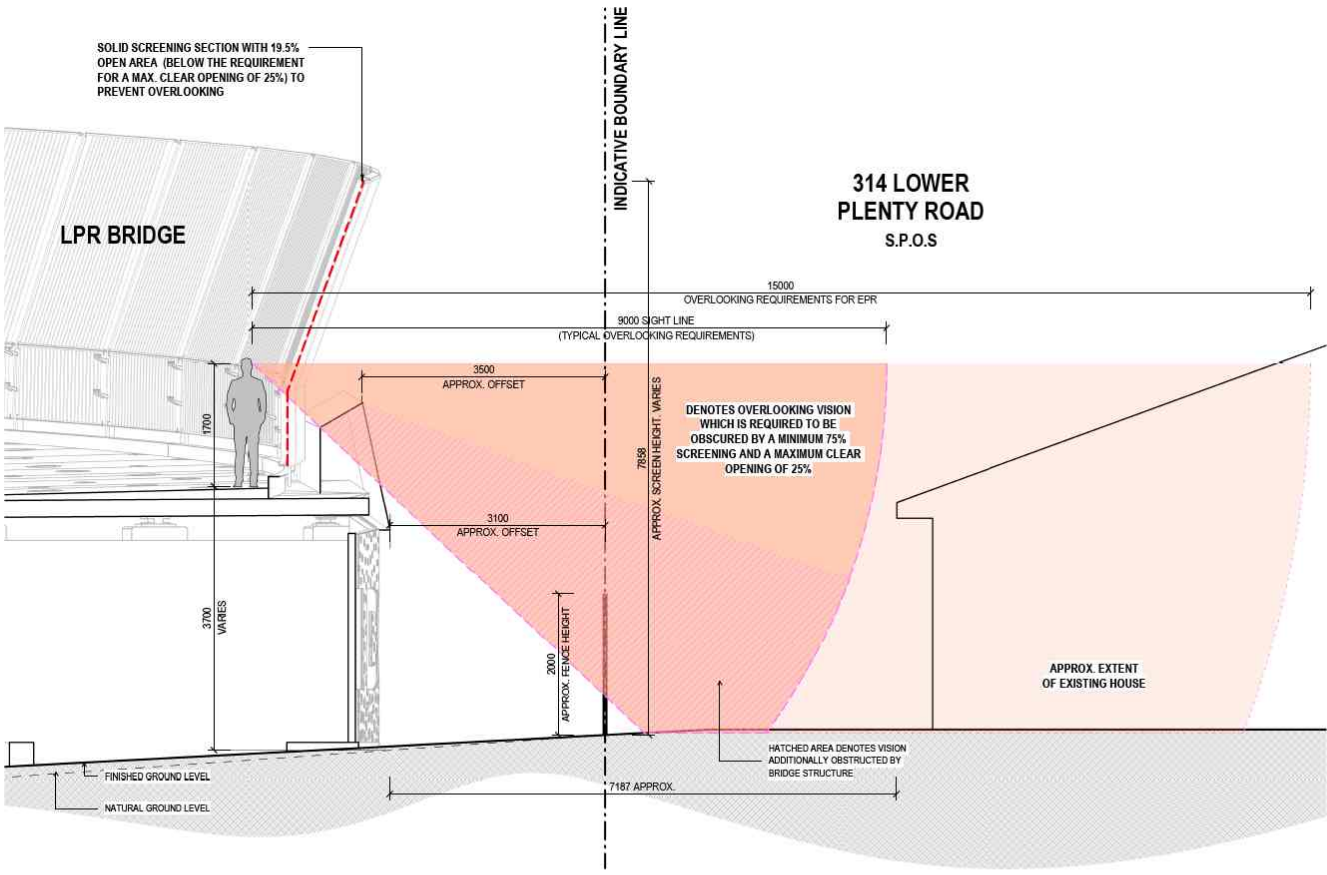
OVERLOOKING PLAN
SCALE 1 : 200



LOWER PLENTY ROAD SUP BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

OVERLOOKING ANALYSIS
THERE ARE OVERLOOKING CONCERNS FOR BOTH 314 LOWER PLENTY ROAD AND THE REAR UNIT OF 85 MCCRAE ROAD. BOTH PROPERTIES REQUIRE MITIGATION FROM THE PROPOSED SUP BRIDGE.

THE DESIGN PROPOSES A SCREEN ALLOWING FOR A MAXIMUM CLEAR OPENING OF 25% IN THE REGION SHADED IN THE ABOVE DIAGRAM TO PREVENT VISUAL INTRUSION ON THE SECLUDED PRIVATE OPEN SPACES OF THESE PROPERTIES.



OVERLOOKING SECTION
SCALE 1 : 50

OVERSHADOWING DISCLAIMER NOTE:
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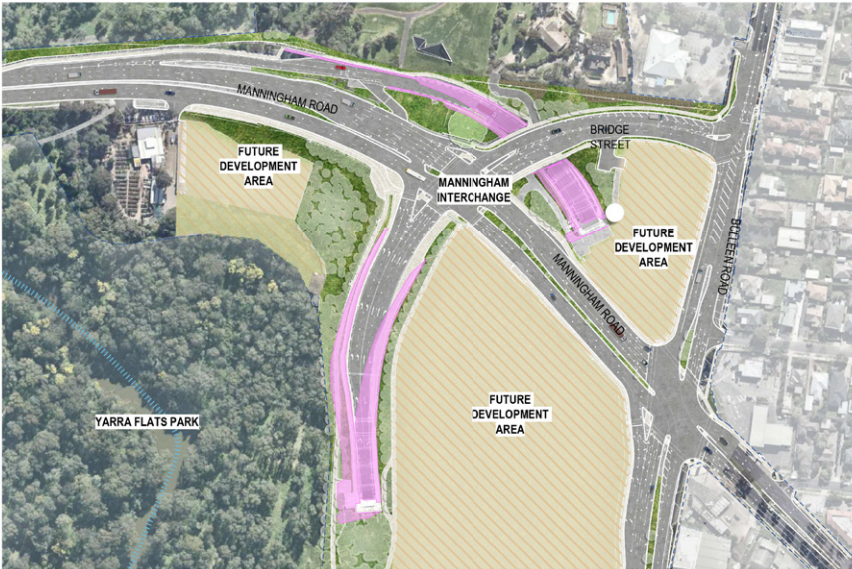
SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS										© North East Link Program										DOT DRAWING No.:										Rev.:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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MANNINGHAM INTERCHANGE

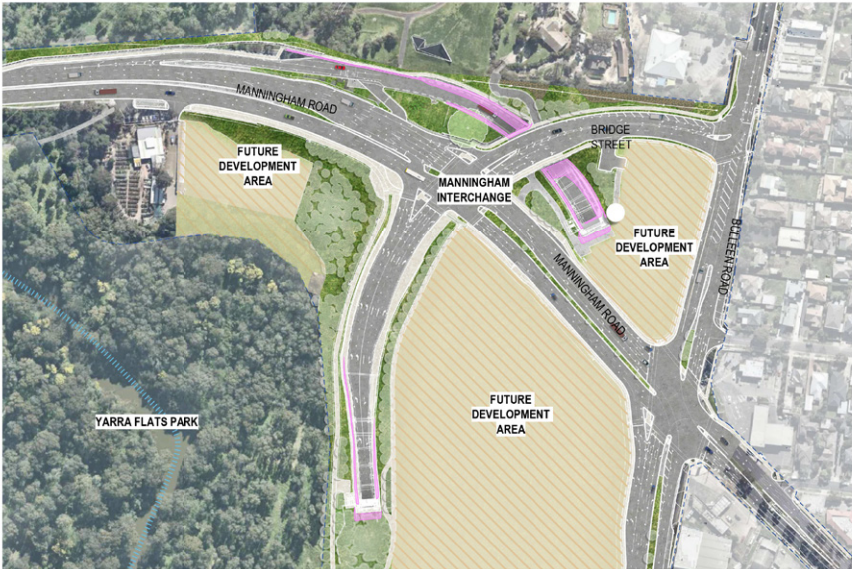


SEPTEMBER 22nd, 9AM
SCALE 1 : 2500

MANNINGHAM INTERCHANGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS.

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.

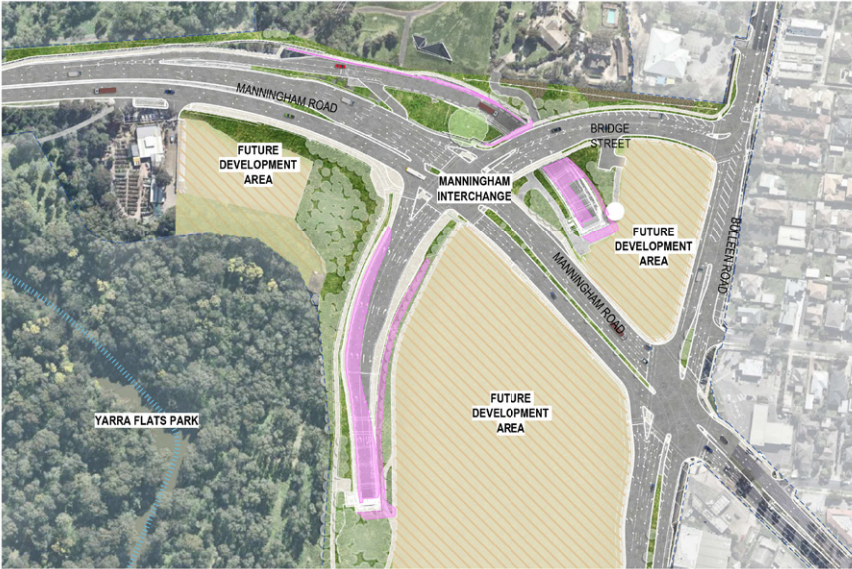


SEPTEMBER 22nd, 12PM
SCALE 1 : 2500

MANNINGHAM INTERCHANGE
REQ. LP4 | REG. EMF, EPR LP4

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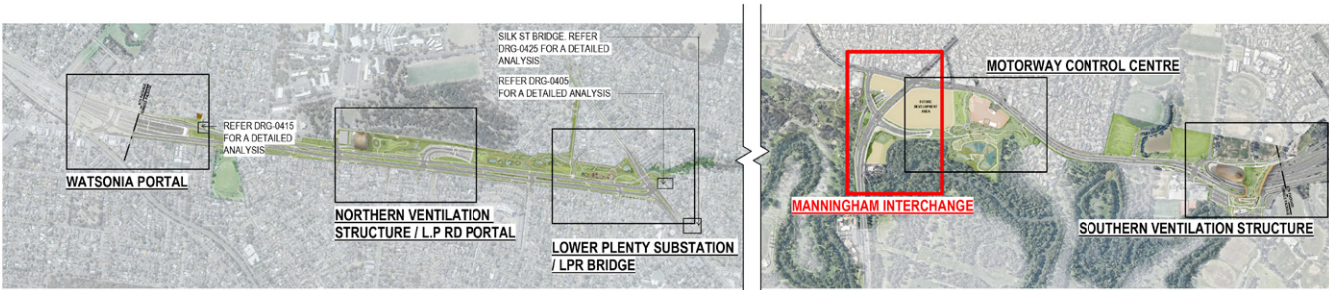


SEPTEMBER 22nd, 3PM
SCALE 1 : 2500

MANNINGHAM INTERCHANGE
REQ. LP4 | REG. EMF, EPR LP4

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OVERALL PACKAGE KEY PLAN
SCALE 1:15000

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LEGEND
EXTENT OF SHADOWS

pvc:/web/au-sdw-bentley.com:web/au-sdw-pw-01/Documents/NEL_North East Link 0400_Stakeholders403_CV/15_Delivery/5.1 Design/CNT_CentralDDE_Digital Engineering02_Drawings/NEL-CNT-WMI-2990-UUD-DRG-0407.dgn

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS										DOT DRAWING No.:										Rev.:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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MOTORWAY CONTROL CENTRE



SEPTEMBER 22nd, 9AM
SCALE 1 : 2500

MOTORWAY CONTROL CENTRE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. MINIMAL SHADING TO NEW VEGETATION (SENSITIVE RECEPTORS) IN YARRA FLATS PARK AREA.

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS TO SENSITIVE RECEPTORS.



SEPTEMBER 22nd, 12PM
SCALE 1 : 2500

MOTORWAY CONTROL CENTRE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE BACK INTO OR WITHIN PROJECT SITE BOUNDARY, OVER HARD SURFACES.

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.

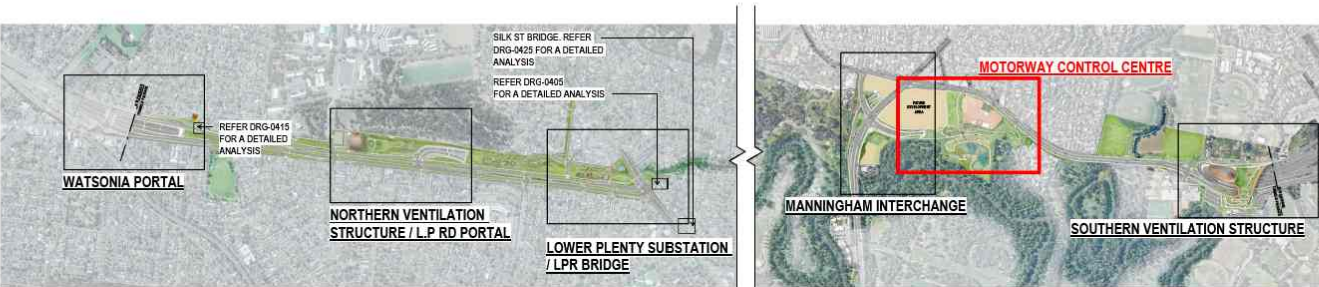


SEPTEMBER 22nd, 3PM
SCALE 1 : 2500

MOTORWAY CONTROL CENTRE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE BACK INTO OR WITHIN PROJECT SITE BOUNDARY. MINIMAL SHADING OVER HARD SURFACES AND NON-SENSITIVE URBAN ELEMENTS. SOME SHADING TO LANDSCAPING TO NEW BULLEEN ROAD LANDSCAPING.

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

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, VEGETATION, 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 CONSULTED.

SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

LEGEND
EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS				© North East Link Program		DOT DRAWING No.:		Rev.:	
				DRAFTING	NAME	DATE	Conditions of Use 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 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 HORIZONTAL DATUM: GDA84 MGA ZONE 55 HEIGHT DATUM: AHD		
				CHECKED BY					
				DESIGNED BY					
				ENGINEERING					
				CHECKED BY					
08	FOR REVIEW			20.12.2024	VERIFIED BY				
REV.	DESCRIPTION		DATE	APPROVED BY					
REVISIONS				APPROVALS		DRAWN:	SIZE: A1	SCALE: AS SHOWN	
22/08/2025 10:44:32 AM									
						 VICTORIA'S BIG BUILD			
						 NORTH EAST LINK PROGRAM GPO BOX 4509, MELBOURNE, VICTORIA, 3001 PHONE 1800 105 105			
						Protective Marking: OFFICIAL: Sensitive		PROJECT CONTRACT:	
						CAD FILE: NEL-CNT-WMI-2990-UUD-DRG-0408.dgn		NELP DRAWING No.: NEL-CNT-WMI-2990-UUD-DRG-0408	
								SUIT. CODE	
								REVISION 08	
								NORTH EAST LINK TUNNELS UDLP ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN UDLP OVERSHADOWING DIAGRAM MOTORWAY CONTROL CENTRE	



SOUTHERN VENTILATION STRUCTURE



SEPTEMBER 22nd, 9AM
SCALE 1 : 2500

SOUTHERN VENTILATION STRUCTURE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE MAINLY WITHIN PROJECT SITE BOUNDARY. SOME SHADOWING OVER NON-SENSITIVE URBAN ELEMENTS. MINOR SHADOWING OVER OLD CAREY CRICKET CLUB AND FREEWAY GOLD COURSE.

OVERLOOKING ANALYSIS
OVERLOOKING FROM YARRA LINK GREEN BRIDGE TO VENETO CLUB AND MARCELLIN SPORTS FIELDS ARE NON-SENSITIVE AREAS.



SEPTEMBER 22nd, 12PM
SCALE 1 : 2500

SOUTHERN VENTILATION STRUCTURE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. MINIMAL SHADING TO NEW SUP TO EAST OF PORTAL.

OVERLOOKING ANALYSIS
OVERLOOKING FROM YARRA LINK GREEN BRIDGE TO VENETO CLUB AND MARCELLIN SPORTS FIELDS ARE NON-SENSITIVE AREAS.

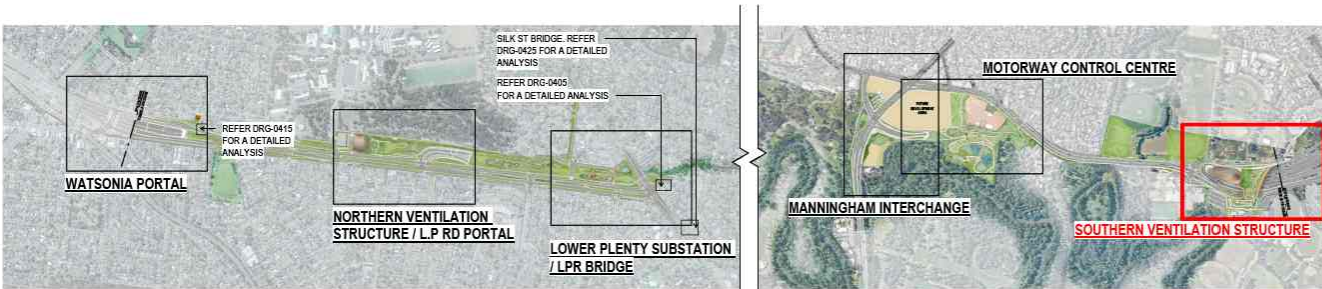


SEPTEMBER 22nd, 3PM
SCALE 1 : 2500

SOUTHERN VENTILATION STRUCTURE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. SHADING (LESS THAN 5%) TO MARCELLIN SPORTS FIELD TO EAST OF PORTAL.

OVERLOOKING ANALYSIS
OVERLOOKING FROM YARRA LINK GREEN BRIDGE TO VENETO CLUB AND MARCELLIN SPORTS FIELDS ARE NON-SENSITIVE AREAS.



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

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, VEGETATION, 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 CONSULTED.

SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

LEGEND
EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS
© North East Link Program

REV.			DESCRIPTION	DATE	APPROVED BY	NAME	DATE	Conditions of Use		SPARK NORTH EAST LINK		VICTORIAN INFRASTRUCTURE DELIVERY AUTHORITY		NORTH EAST LINK PROGRAM		PROJECT CONTRACT:		NORTH EAST LINK TUNNELS UDLP ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN UDLP OVERSHADOWING DIAGRAM SOUTHERN VENTILATION STRUCTURE		NELP DRAWING No.: NEL-CNT-WMI-2990-UUD-DRG-0409		SUIT. CODE	REVISION
08	FOR REVIEW			20.12.2024	VERIFIED BY			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 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.		GPO BOX 4509, MELBOURNE, VICTORIA, 3001 PHONE 1800 105 105		Protective Marking: OFFICIAL: Sensitive		CAD FILE: NEL-CNT-WMI-2990-UUD-DRG-0409.dgn									08
22/08/2025			10:38:38 AM			APPROVALS		DRAWN: SIZE: A1		SCALE: AS SHOWN													



WATSONIA PORTAL ANALYSIS



SEPTEMBER 22nd, 9AM
SCALE 1 : 250

WATSONIA PORTAL ANALYSIS
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.



SEPTEMBER 22nd, 12PM
SCALE 1 : 250

WATSONIA PORTAL ANALYSIS
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ALL SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.

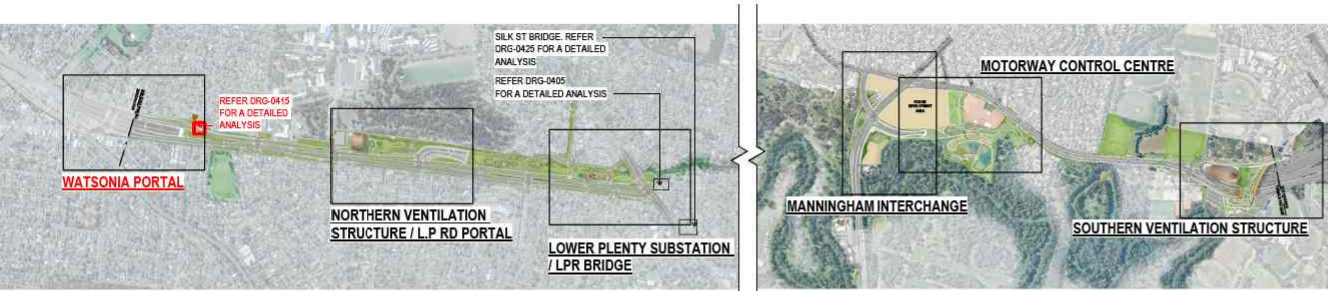


SEPTEMBER 22nd, 3PM
SCALE 1 : 250

WATSONIA PORTAL ANALYSIS
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE MOSTLY WITHIN PROJECT SITE BOUNDARY. SOME SHADING CASTED OVERLAPS ENTIRELY WITHIN SHADOWS CAST BY 12 LENOLA'S EXISTING FENCE AND THEREFORE CONSTITUTES NO OVERSHADOWING CONCERNS.

OVERLOOKING ANALYSIS
THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS.



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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		DRAFTING CHECKED BY		This Document has been developed for the purposes of the North East Link Program.	
		DESIGNED BY		Recipients of this document:	
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		VERIFIED BY		• May not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice	
08	FOR REVIEW	20.12.2024		HORIZONTAL DATUM: GDA84 MGA ZONE 55	HEIGHT DATUM: AHD
REV.	DESCRIPTION	DATE	APPROVED BY	DRAWN:	SIZE: A1
REVISIONS			APPROVALS		

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Protective Marking: **OFFICIAL: Sensitive**
CAD FILE: NEL-CNT-WMI-2990-UUD-DRG-0415.dgn

PROJECT CONTRACT:

NORTH EAST LINK TUNNELS UDLP
ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN
UDLP OVERSHADOWING DIAGRAM
WATSONIA PORTAL ANALYSIS

NELP DRAWING No.:
NEL-CNT-WMI-2990-UUD-DRG-0415

SUIT. CODE
REVISION
08

LEGEND	
	PROPOSED SHADOWS
	EXISTING FENCE SHADOWS
	SECLUDED PRIVATE OPEN SPACE (S.P.O.S.)
	EXTENT OF OVERSHADOWING INTO S.P.O.S.
	PROPOSED WALL EXTENT

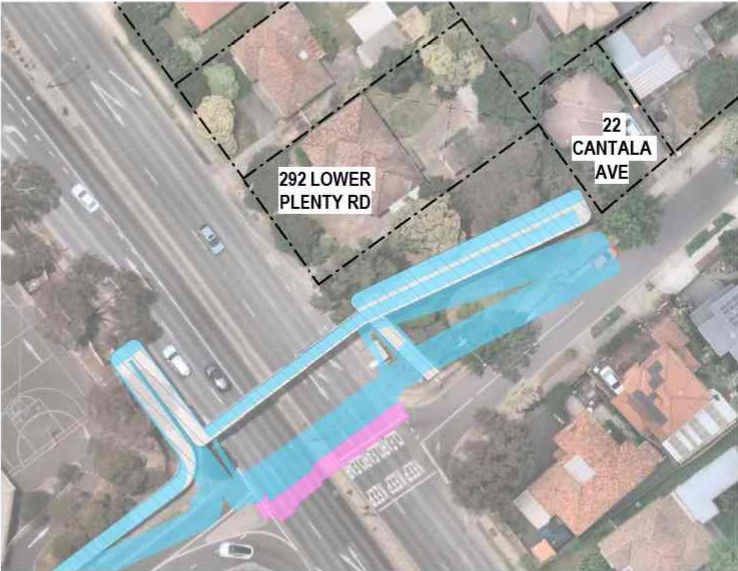
OVERSHADOWING DISCLAIMER NOTE:
OVERSHADOWING DIAGRAMS HAVE BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM MAJOR BUILDING ELEMENTS AND THEREFORE DO NOT ILLUSTRATE SHADOWS CASTED FROM MINOR ELEMENTS SUCH AS GANTRIES, VEGETATION, LIGHT POLES AND LOW-HEIGHT RETAINING WALLS.

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 CONSULTED.

SHADOWS ADDRESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.



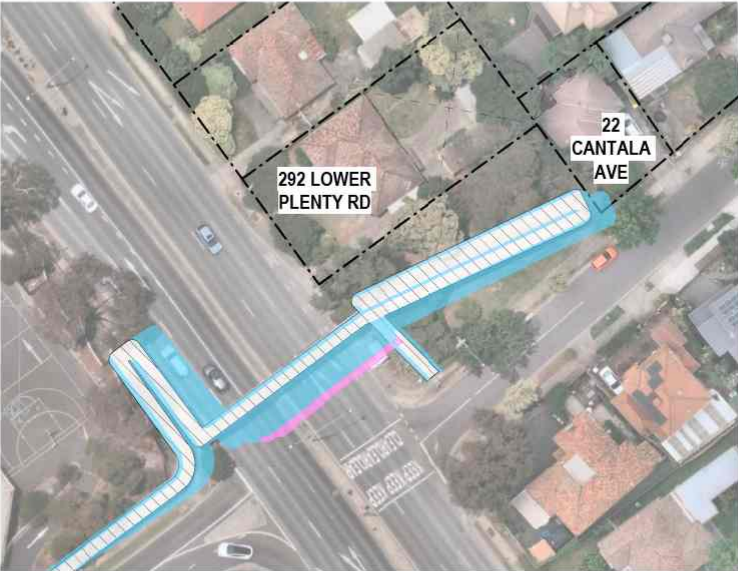
SILK STREET BRIDGE



SEPTEMBER 22nd, 9AM
SCALE 1 : 500

SILK STREET BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
MINOR SHADOWING OVER PUBLIC SPACES & ROADS.
OVERLOOKING ANALYSIS
THERE ARE NO ADJUSTMENTS TO THE EXISTING OVERLOOKING CONDITIONS.



SEPTEMBER 22nd, 12PM
SCALE 1 : 500

SILK STREET BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

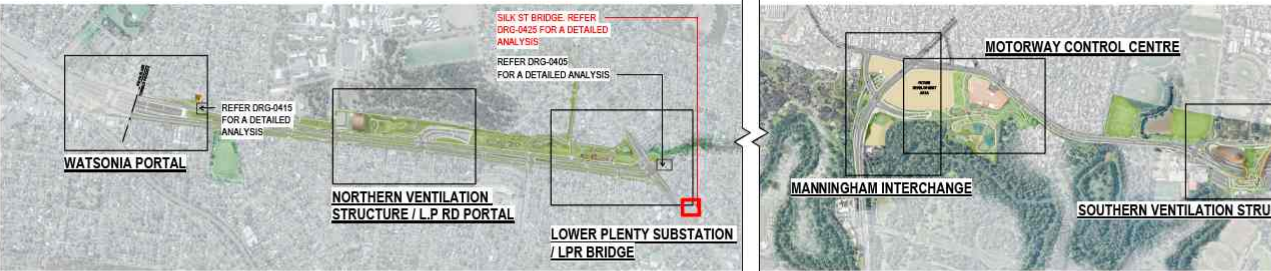
SHADOW ANALYSIS
MINOR SHADOWING OVER PUBLIC SPACES & ROADS.
OVERLOOKING ANALYSIS
THERE ARE NO ADJUSTMENTS TO THE EXISTING OVERLOOKING CONDITIONS.



SEPTEMBER 22nd, 3PM
SCALE 1 : 500

SILK STREET BRIDGE
REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
MINOR SHADOWING OVER PUBLIC SPACES & ROADS. SHADOWS CAST INTO 22 CANTALA AVENUE DERIVE FROM EXISTING ELEMENTS.
OVERLOOKING ANALYSIS
THERE ARE NO ADJUSTMENTS TO THE EXISTING OVERLOOKING CONDITIONS.



OVERALL PACKAGE KEY PLAN
SCALE 1:15000

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, VEGETATION 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:
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SUBSEQUENT ADDITIONAL OVERSHADOWING ASSESSMENT WILL BE UNDERTAKEN AND THE RELEVANT IMPACTED PROPERTIES CONSULTED.

SHADOWS ASSESSED ARE ONLY GENERATED FROM NORTH EAST LINK STRUCTURES.

LEGEND

- PROPOSED SHADOWS
- EXISTING BRIDGE SHADOWS
- SECLUDED PRIVATE OPEN SPACE (S.P.O.S.)
- EXTENT OF OVERSHADOWING INTO S.P.O.S.
- SILK STREET BRIDGE

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS										DOT DRAWING No.:										Rev.:																																																																																																			
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