



NORTH EAST LINK TUNNELS UDLP

ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN OVERSHADOWING ASSESSMENT



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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

(5 North East Link Program

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PUBLIC EXHIBITION

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| 14.16.2022 | DRAFTING | DATE | 14.10.2022 | DRAFTING | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DRAFTING | DRAFTING | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | R. NAYLOR | 14.10.2022 | DESCRIPTION | DATE | APPROVED | DATE |

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DRAWN: J. HO.

SIZE: A1

SPARK NORTH EAST LINK

MAJOR
TRANSPORT
INFRASTRUCTURE
AUTHORITY
VICTORIA'S
BIG BUILD
Protective Marking: OFFICIAL: Sensitive

CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

NORTH
EAST LINK
PROGRAM

OPERATOR
WILDOWN DISTOR
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PROJECT CONTRACT

Sensitive

PROJECT CONTRACT

NORTH EAST LINK TUNNELS UDLP
ATTACHMENT 4- ARCHITECTURE AND URBAN DESIGN
UDLP OVERSHADOWING DIAGRAM COVER SHEET

NELP DRAWING No.: NEL-CNT-WMI-2990-UUD-DRG-0400

SUIT. CODE REVISION
06



NORTHERN PACKAGE SITE PLAN



SOUTHERN PACKAGE SITE PLAN

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 CASTING 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

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

PROJECT CONTRACT:

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.

FOR CONTINUATION TO SOUTHERN PACKAGE SOUTHERN INTERFACE ZONE 1 SOUTHERN INTERFACE ZONE 5 SOUTHERN INTERFACE ZONE 3 SOUTHERN INTERFACE ZONE 2 SOUTHERN INTERFACE ZONE 4

10.08.2022

SOUTHERN INTERFACE SITE PLAN SCALE 1:7000

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS North East Link Program DATE Conditions of Use NORTH EAST LINK TUNNELS UDLP DRAFTING CHECKED BY NORTH FOR REVIEW 14.10.2022 E. GRIFFITH 14.10.2022 FOR REVIEW **EAST LINK** INFRASTRUCTURE DESIGNED BY M. KEDDELL 01.09.2022

14.10.2022
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18. CHECKED BY 02.05.2022 VERIFIED BY R. WOOD PUBLIC EXHIBITION REV DESCRIPTION DRAWN: J. HO SIZE: A1 SCALE: 1:7000 REVISIONS APPROVALS







UDLP OVERSHADOWING DIAGRAM OVERALL SITE PLAN

NELP DRAWING No.:

rotective Marking: OFFICIAL: Sensitive CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

NEL-CNT-WMI-2990-UUD-DRG-0401

06

SUIT CODE REVISION

FOR REVIEW

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.

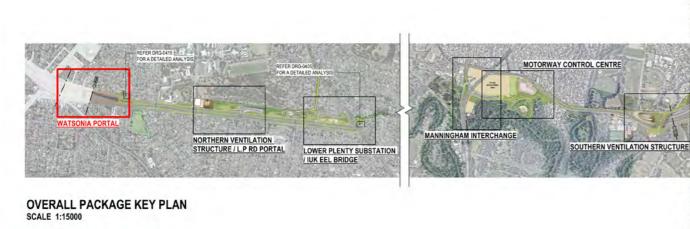


SEPTEMBER 22nd, 3PM SCALE 1: 2500

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.



SOUTHERN INTERFACE ZONE 2 SOUTHERN INTERFACE ZONE 4

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 WHODOWS, ETC.
SUBSECUENT ADDITIONAL OVERSHADOWING ASSESSMENT WILL BE UNDERTAKEN AND THE RELEVANT IMPACTED PROPERTIES CONSULTED.

EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

4/10/2022 4:02:35 PM

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				NAME	DATE
- 06	FOR REVIEW	14.10.2022	DRAFTING	E. GRIFFITH	14.10.2022
05	FOR REVIEW	12.10.2022	CHECKED BY		
04	FOR REVIEW	01.09.2022	DESIGNED BY	M. KEDDELL	14.10.2022
03	FOR REVIEW	10.08.2022	ENGINEERING	R. MARSH	14.10.2022
02	FOR REVIEW	23.06.2022	CHECKED BY	N. MANON	14.10.2022
01	PUBLIC EXHIBITION	02.05.2022	VERIFIED BY	R. WOOD	14.10.2022
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SCALE: As indicated

SOUTHERN INTERFACE ZONE 3

SOUTHERN INTERFACE ZONE 1



SOUTHERN INTERFACE ZONE 5



NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM WATSONIA PORTAL

PROJECT CONTRACT: rotective Marking: OFFICIAL: Sensitive CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

NELP DRAWING No.: NEL-CNT-WMI-2990-UUD-DRG-0402

SUIT CODE REVISION 06

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 OREKY 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

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



OVERALL PACKAGE KEY PLAN SCALE 1:15000



OVERSHADOWING DISCLAIMER NOTE:

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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 CONSULTED.

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

4/10/2022 4:02:42 PM

	East Link Program		7	NAME	DATE
06	FOR REVIEW	14.10.2022	DRAFTING	E. GRIFFITH	14.10.2022
05	FOR REVIEW	12.10.2022	CHECKED BY		
04	FOR REVIEW	01.09.2022	DESIGNED BY	M. KEDDELL	14.10.2022
03	FOR REVIEW	10.08.2022	ENGINEERING	R. MARSH	14.10.2022
02	FOR REVIEW	23.06.2022	CHECKED BY	N. MANON	14.10.2022
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SCALE: As indicated

SOUTHERN INTERFACE ZONE 3



rotective Marking: OFFICIAL: Sensitive

CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt



NORTH EAST LINK

PROJECT CONTRACT: NELP DRAWING No.:

NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM NORTHERN VENTILATION STRUCTURE / L.P RD PORTAL

SUIT CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0403 06

LOWER PLENTY SUBSTATION / IUK (EEL) BRIDGE



SEPTEMBER 22nd, 9AM SCALE 1: 2500

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

SHADOW SNALTSIS

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 IUK (EEL) BRIDGE TO ADJACENT RESIDENTIAL PROPERTIES. REFER DRG 6406
FOR FURTHER ANALYSIS.



SEPTEMBER 22nd, 12PM

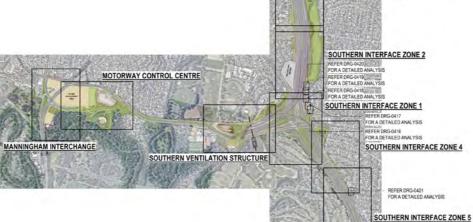
SCALE 1: 2500

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. POSSIBILITY OF OVERLOOKING FROM IUK (EEL) 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, 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.

EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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02	FOR REVIEW	23.06.2022	CHECKED BY	IV. MINISTE	14.10.2022
01	PUBLIC EXHIBITION	02.05.2022	VERIFIED BY	R. WOOD	14.10.2022
REV	DESCRIPTION	DATE	APPROVED	R. NAYLOR	14.10.2022
	DEVICIONS			ADDDOV/ALC	

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DRAWN: J. HO

SCALE: As indicated

SOUTHERN INTERFACE ZONE 3





NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM LOWER PLENTY SUBSTATION / IUK (EEL) BRIDGE

PROJECT CONTRACT: NELP DRAWING No. SUIT CODE REVISION rotective Marking: OFFICIAL: Sensitive NEL-CNT-WMI-2990-UUD-DRG-0404 06 CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

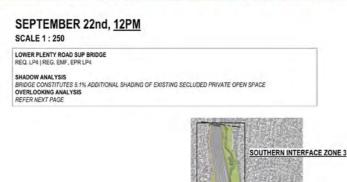
LOWER PLENTY SUP / IUK (EEL) BRIDGE





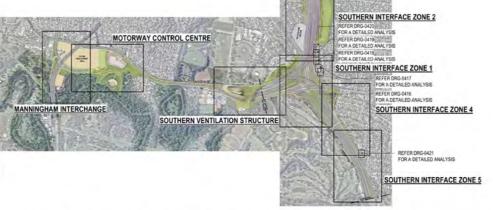


SEPTEMBER 22nd, 9AM SCALE 1: 250 LOWER PLENTY ROAD SUP BRIDGE REQ. LP4 | REG. EMF, EPR LP4 SHADOW ANALYSIS BRIDGE CONSTITUTES 9.3% ADDITIONAL SHADING OF EXISTING SECLUDED PRIVATE OPEN SPACE OVERLOOKING ANALYSIS REFER NEXT PAGE









OVERSHADOWING DISCLAIMER NOTE:

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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,



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		REVISIONS

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

-		NAME	DATE		
14.10.2022		E. GRIFFITH	14.10.20		
12.10.2022	CHECKED BY		1,57,412		
01.09.2022	DESIGNED BY	M. KEDDELL	14.10.2		
10.08.2022	ENGINEERING	D MADON	14.10.20		
23.06.2022	CHECKED BY	N. MANON	14.10.20		
02.05.2022	VERIFIED BY	R. WOOD	14.10.20		
DATE	APPROVED	R. NAYLOR	14.10.20		
		APPROVALS			
	12.10.2022 01.09.2022 10.08.2022 23.06.2022 02.05.2022	12.10.2022 CHECKED BY 01.09.2022 DESIGNED BY 10.08.2022 ENGINEERING 23.06.2022 VERIFIED BY	14.10.2022 DRAFTING 12.10.2022 CHECKED BY 10.09.2022 DESIGNED BY 10.08.2022 ENGINEERING 23.06.2022 ENGINEERING 02.05.2022 VERFIED BY DATE APPROVED R. NAYLOR		



SIZE: A1

DRAWN: J. HO



SCALE: As indicated





NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM IUK (EEL) BRIDGE ANALYSIS

tective Marking: OFFICIAL: Sensitive CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

PROJECT CONTRACT: NELP DRAWING No.:

SUIT. CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0405 06

LOWER PLENTY SUP / IUK (EEL) BRIDGE



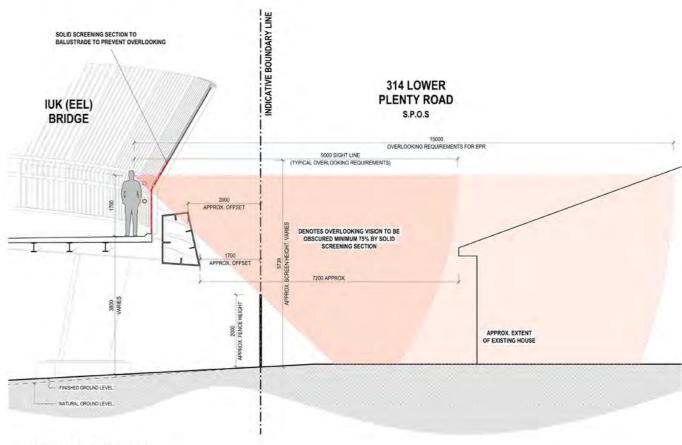
OVERLOOKING PLAN SCALE 1:200



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:
OVERSHADOWING DIAGRAMS HAVE BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM
MAJOR BULIDING 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 CONSULTED.

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

14/10/2022 4:03:15 PM

O North East Link Program DRAFTING CHECKED BY E. GRIFFITH 14.10.2022 14.10.2022 FOR REVIEW 12.10.2022 DESIGNED BY M. KEDDELL 14.10.2022 01.09.2022 FOR REVIEW 10.08.2022 R. MARSH CHECKED BY 02.05.2022 VERIFIED BY R. WOOD PUBLIC EXHIBITIO REV DESCRIPTION DATE APPROVALS REVISIONS

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17.10.2022

SIZE: A1

DRAWN: J. HO

SCALE: As indicated



NORTH EAST LINK

NORTH EAST LINK TUNNELS UDLP UDLP OVERLOOKING DIAGRAM IUK (EEL) BRIDGE ANALYSIS

PROJECT CONTRACT: Protective Marking: OFFICIAL: Sensitive CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

NELP DRAWING No.: SUIT. CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0406 06

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

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.

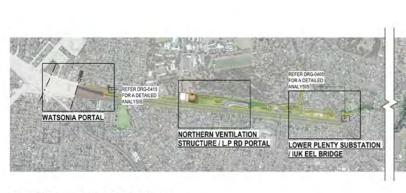


SEPTEMBER 22nd, 3PM

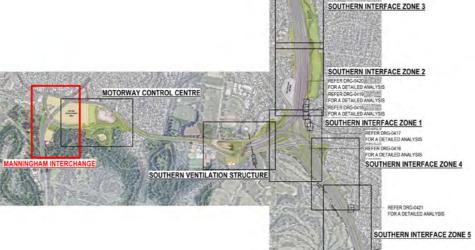
SCALE 1: 2500

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.



OVERALL PACKAGE KEY PLAN



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 CONSULTED.

EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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05	FOR REVIEW	12.10.2022	CHECKED BY		
04	FOR REVIEW	01.09.2022	DESIGNED BY	M. KEDDELL	14.10.2022
03	FOR REVIEW	10.08.2022	ENGINEERING	R. MARSH	14.10.2022
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NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM MANNINGHAM INTERCHANGE

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PROJECT CONTRACT: NELP DRAWING No.:

SUIT. CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0407 06

MOTORWAY CONTROL CENTRE



SEPTEMBER 22nd, 9AM SCALE 1: 2500

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

SENSITIVE RECEPTORS.

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

OVERLOOKING ANALYSIS THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS TO FUTURE DEVELOPMENT CONTROL CULTURAL LANDSCAPE

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

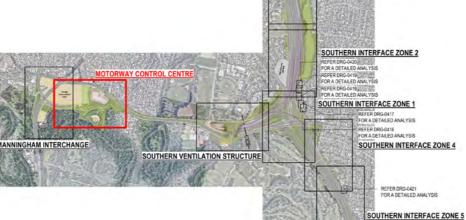
MOTORWAY CONTROL CENTRE REQ. LP4 | REG. EMF, EPR LP4

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

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



OVERALL PACKAGE KEY PLAN



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.
SUBSECUENT ADDITIONAL OVERSHADOWING ASSESSMENT WILL BE UNDERTAKEN AND THE RELEVANT IMPACTED PROPERTIES CONSULTED.

EXTENT OF SHADOWS

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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SOUTHERN INTERFACE ZONE 3



NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM MOTORWAY CONTROL CENTRE

PROJECT CONTRACT: NELP DRAWING No.: SUIT. CODE REVISION rotective Marking: OFFICIAL: Sensitive NEL-CNT-WMI-2990-UUD-DRG-0408 06 CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

SOUTHERN VENTILATION STRUCTURE



SEPTEMBER 22nd, 9AM

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

SCALE 1: 2500

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 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.



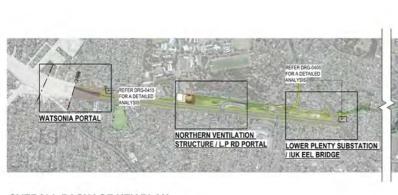
SEPTEMBER 22nd, 3PM

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



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 CONSULTED.

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01	PUBLIC EXHIBITION	02.05.2022	VERIFIED BY	R. WOOD	14.10.2022
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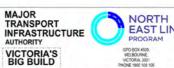
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NORTH EAST LINK

NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM SOUTHERN VENTILATION STRUCTURE

PROJECT CONTRACT: NELP DRAWING No.: SUIT CODE REVISION rotective Marking: OFFICIAL: Sensitive NEL-CNT-WMI-2990-UUD-DRG-0409 06 CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

SOUTHERN INTERFACE ZONE 1



SEPTEMBER 22nd, 9AM

SCALE 1: 2500

SHADOW ANALYSIS

ALL SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS. SOME SHADING TO VERPOINT ROAD AND MOUNTAIN VIEW ROAD PROPERTIES. LOCALISED MITIGATION SHOULD BE ACHIEVED THROUGH REDUCED WALL HEIGHTS WHERE POSSIBLE AND TRANSPARENT MATERIALS.

OVERLOOKING ANALYSIS

NEL INBOUNDA AND WEST APPROACH RAMP POSE POSSIBLE OVERLOOKING INTO 154 - 158 MOUNTAIN VIEW ROAD. THESE VIEWS ARE MITIGATED BY SPEED OF VEHICLES AND BRIDGE BARRIERS.



SEPTEMBER 22nd, 12PM

SCALE 1: 2500

SHADOW ANALYSIS
SHADOWS CAST ARE TYPICALLY WITHIN PROJECT SITE BOUNDARY, MINIMAL SHADING TO 1 VIEWPOINT AND 162
MOUNTAIN VIEW ROADS, LOCAUSED MITIGATION SHOULD BE ACHIEVED THROUGH REDUCED WALL HEIGHTS WHERE
POSSIBLE AND TRANSPARENT MATERIALS.
OVER. JOKING ANALYSIS
NEL INBOUND AND WEST APPROACH RAMP POSE POSSIBLE OVERLOOKING INTO 154 - 158 MOUNTAIN VIEW ROAD.
THESE VIEWS ARE MITIGATED BY SPEED OF VEHICLES AND BRIDGE BARRIERS.



SEPTEMBER 22nd, 3PM

SCALE 1: 2500

SHADOW ANALYSIS
SHADOWS CAST ARE GENERALLY WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS.
SOME SHADING TO VIEWPOINT ROAD PROPERTIES. LOCALISED MITIGATION SHOULD BE ACHIEVED THROUGH
REDUCED WALL HEIGHTS WHERE POSSIBLE AND TRANSPARENT MATERIALS.

OVERLOOKING ANALYSIS
NEL INBOUND AND WEST APPROACH RAMP POSE POSSIBLE OVERLOOKING INTO 154 - 158 MOUNTAIN VIEW ROAD.
THESE VIEWS ARE MITIGATED BY SPEED OF VEHICLES AND BRIDGE BARRIERS.

OVERSHADOWING DISCLAIMER NOTE:
OVERSHADOWING DIAGRAMS HAVE BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM
MAJOR BUILDING ELEMENTS AND THEREFORE DO NOT LILUSTRATE 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

SUBSEQUENT ADDITIONAL OVERSHADOWING ASSESSMENT WILL BE UNDERTAKEN AND THE RELEVANT IMPACTED

DESIGN NOTE:
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED WALL HEIGHT OF 10 METRES, OR "WORST CASE SCENARIO" PENDING FURTHER DESIGN DEVELOPMENT AND RATIONALISATION OF WALL HEIGHTS.

REFER TO SOUTHERN INTERFACE DRAWING 0131 FOR PROPOSED WALL HEIGHTS BASED ON LATEST ADVICE AND NOISE MODELLING BY ACOUSTIC CONSULTANTS, WHICH MAY DIFFER AND THEREFORE AFFECT (MINIMISE) THE SHADOW CAST TO THAT SHOWN HERE.

PROJECT CONTRACT:

THIS ARRELTS IS SUBJECT TO SHE SURVETS WHICH ARE TO BE UNDERTAREN DURING PHASE WHICH WILL INCLUDE; SURVEYS OF EXISTING BUILDING LOCATIONS, SOLAR PANEL LOCATIONS, SITE LEVELS, HABITABLE WINDOWS, ETC.

ASSUMED NOISE WALL HEIGHTS: 10 METRES



OVERALL PACKAGE KEY PLAN

North East Link Program

SOUTHERN INTERFACE ZONE 2 MOTORWAY CONTROL CENTRE SOUTHERN INTERFACE ZONE 4 REFER DRG-0421 FOR A DETAILED ANALYSIS

DRAWN: J. HO

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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SCALE: As indicated

SOUTHERN INTERFACE ZONE 5

SOUTHERN INTERFACE ZONE 3

TRANSPORT INFRASTRUCTURE VICTORIA'S BIG BUILD

CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

NORTH **EAST LINK**

NORTH EAST LINK TUNNELS UDLP ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE

NELP DRAWING No. SUIT CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0410

EXTENT OF SHADOWS

06

SOUTHERN INTERFACE ZONE 2



SEPTEMBER 22nd, 9AM SCALE 1: 2500

SOUTHERN INTERFACE ZONE 2 REQ. LP4 | REG. EMF, EPR LP4

SHAUDW ANALYSIS
MAJORITY OF SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY, MINIMAL SHADOWING OVER KOONUNG
CREEK RESERVE AND MOUNTAIN VIEW ROAD. HIGH-LEVEL ANALYSIS INDICATES MINIMAL SHADOWING TO 150 & 152
MOUNTAIN VIEW ROAD. FURTHER ASSESMENT FOLLOWING DETAILED LAND SURVEY AND MITIGATION THROUGH
USE OF SEMI-TRANSPARENT BARRIERS WILL OFFSET THIS.

OVERLOOKING ANALYSIS OVERLOOKING PRESENT FROM NEL INBOUND RAMPS OVER MOUNTAIN VIEW ROAD PROPERTIES. THIS IS MITIGATED BY DISTANCE (OVER 20 METRES) AND TYPICAL EXPERIENCE OF FAST-MOVING TRAFFIC.

DESCRIPTION

REVISIONS



SEPTEMBER 22nd, 12PM

SCALE 1: 2500

SOUTHERN INTERFACE ZONE 2 REQ. LP4 | REG. EMF, EPR LP4 SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY. MINIMAL SHADOWING OVER KOONUNG CREEK RESERVE
AND MOUNTAIN VIEW ROAD. OVERLOOKING ANALYSIS OVERLOOKING PRESENT FROM NEL INBOUND RAMPS OVER MOUNTAIN VIEW ROAD PROPERTIES. THIS IS MITIGATED BY DISTANCE (OVER 20 METRES) AND TYPICAL EXPERIENCE OF FAST-MOVING TRAFFIC.



SOUTHERN INTERFACE ZONE 2 REQ. LP4 | REG. EMF, EPR LP4

SHADUW ANALTSIS

MAJORITY OF SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS.
MINIMAL SHADOWING OVER KOONUNG GREEK/KOONUNG RESERVE. HIGH-LEVEL ANALYSIS INDICATES MINIMAL
SHADOWING TO 162 MOUNTAIN VIEW ROAD. FURTHER ASSESMENT FOLLOWING DETAILED LAND SURVEY AND
MITIGATION THROUGH USE OF SEMI-TRANSPARENT BARRIERS WILL OFFSET THIS. OVERLOOKING ANALYSIS

OVERLOCKING PRESENT FROM NEL INBOUND RAMPS OVER MOUNTAIN VIEW ROAD PROPERTIES. THIS IS MITIGATED BY DISTANCE (OVER 20 METRES) AND TYPICAL EXPERIENCE OF FAST-MOVING TRAFFIC.



OVERALL PACKAGE KEY PLAN



OVERSHADOWNO DIACRAMS NOTE: BY ANY BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM MAJOR BUILDING ELEMENTS AND THEREFORE ON DRIT ILLUSTRATE SHADOWS CASTED FROM MINOR ELEMENTS SUCH AS GARTIES, 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,

PROPERTIES CONSULTED

ASSUMED NOISE WALL HEIGHTS: 10 METRES

DESIGN NOTE:
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED WALL HEIGHT OF 10 METRES, OR "WORST CASE SCENARIO" PENDING FURTHER DESIGN DEVELOPMENT AND RATIONALISATION OF WALL HEIGHTS.

REFER TO SOUTHERN INTERFACE DRAWING 0131 FOR PROPOSED WALL HEIGHTS BASED ON LATEST ADVICE AND NOISE MODELLING BY ACOUSTIC CONSULTANTS, WHICH MAY DIFFER AND THEREFORE AFFECT (MINIMISE) THE SHADOW CAST TO THAT SHOWN HERE.



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SCALE: As indicated

SOUTHERN INTERFACE ZONE 3



CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt



PROJECT CONTRACT

NORTH EAST LINK TUNNELS UDLP ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE

NEL-CNT-WMI-2990-UUD-DRG-0411

NELP DRAWING No.:

SUIT CODE REVISION 06

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10.08.2022 02.05.2022

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SOUTHERN INTERFACE ZONE 3



SEPTEMBER 22nd, 9AM

SCALE 1: 2500

SOUTHERN INTERFACE ZONE 3 REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS. MINIMAL SHADOWING OVER KOONUNG CREEK RESERVE.

MINIMAL OVERLOOKING FROM NORTH EAST LINK RAMP TO KOONUNG CREEK RESERVE.



SEPTEMBER 22nd, 12PM

SCALE 1: 2500

SHADOWING OVER KOONUNG CREEK RESERVE. OVERLOOKING ANALYSIS
MINIMAL OVERLOOKING FROM NORTH EAST LINK RAMP TO KOONUNG CREEK RESERVE





SEPTEMBER 22nd, 3PM

SCALE 1: 2500

SOUTHERN INTERFACE ZONE 3 REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS. SOME SHADOWING OVER KOONUNG CREEK RESERVE. OVERLOOKING ANALYSIS MINIMAL OVERLOOKING FROM NORTH EAST LINK RAMP TO KOONUNG CREEK RESERVE



OVERALL PACKAGE KEY PLAN



OVERSHADOWING DISCLAIMER NOTE:
OVERSHADOWING DIAGRAMS HAVE BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFECTS FROM
MAJOR BULLONS ELEMENTS AND THEREFORE DO NOT LLUSTRATE 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, HARITARI E WINDOWS FTC

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

ASSUMED NOISE WALL HEIGHTS: 10 METRES

REFER TO SOUTHERN INTERFACE DRAWING 0131 FOR PROPOSED WALL HEIGHTS BASED ON LATEST ADVICE AND NOISE MODELLING BY ACOUSTIC CONSULTANTS, WHICH MAY DIFFER AND THEREFORE AFFECT (MINIMISE) THE SHADOW CAST TO THAT SHOWN HERE.



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SCALE: As indicated



CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

RFACE ZONE 3



PROJECT CONTRACT:

NORTH EAST LINK TUNNELS UDLP ATTACHMENT 4 - ARCHITECTURE AND URBAN DESIGN UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE

NELP DRAWING No.

SUIT CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0412 06

SOUTHERN INTERFACE ZONE 4



SEPTEMBER 22nd, 9AM SCALE 1: 2500

SOUTHERN INTERFACE ZONE 4 REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

MAJORITY OF SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS.

MINIMAL SHADOWING OF EXISTING KOONUNG CREEK TRAIL AT CORNER OF LEONIS AVENUE AND COLUMBA STREET.

OVERLOUGHB ANALTSIS
NORTH EAST LINK TO EASTERN FREEWAY WESTBOUND RAMP POSES POSSIBLE OVERLOOKING TO LEONIS AVENUE
AND COLUMBA STREET PROPERTIES ARE MITIGATED BY EXISTING ELEVATED TOPOGRAPHY.



SEPTEMBER 22nd, 12PM

SCALE 1: 2500

SOUTHERN INTERFACE ZONE 4 REQ. LP4 | REG. EMF, EPR LP4 SHADOW ANALYSIS

MAJORITY OF SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS.
LANDSCAPED ROAD RESERVE RECEIVES FULL SHADOW BELOW ELEVATED ROADWAY. OVERLOOKING ANALYSIS OVERLOUGHING ANALTSIS
NORTH EAST LINK TO EASTERN FREEWAY WESTBOUND RAMP POSES POSSIBLE OVERLOOKING TO LEONIS AVENUE
AND COLUMBA STREET PROPERTIES ARE MITIGATED BY EXISTING ELEVATED TO POGRAPHY.



SEPTEMBER 22nd, 3PM

SCALE 1: 2500

SOUTHERN INTERFACE ZONE 4 REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

MAJORITY OF SHADOWS CAST ARE WITHIN PROJECT SITE BOUNDARY AND OVER NON-SENSITIVE URBAN ELEMENTS.

MINIMAL SHADOWING TO EXISTING KOONUNG CREEK TRAIL APPROACHING CORNER OF LEONIS AVENUE AND

COLUMBA STREET. LANDSCAPED ROAD RESERVE RECEIVES FULL SHADOW BELOW ELEVATED ROADWAY. OVERLOOKING ANALYSIS

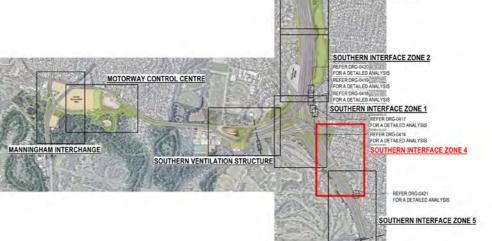
OVERLOOKING ANALYSIS

NORTH EAST LINK TO EASTERN FREEWAY WESTBOUND RAMP POSES POSSIBLE OVERLOOKING TO LEONIS AVENUE.

AND COLUMBA STREET PROPERTIES ARE MITIGATED BY EXISTING ELEVATED TOPOGRAPHY.



OVERALL PACKAGE KEY PLAN



OVERSHADOWNO DIACRAMS NOTE: BY ANY BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM MAJOR BUILDING ELEMENTS AND THEREFORE ON DRIT ILLUSTRATE SHADOWS CASTED FROM MINOR ELEMENTS SUCH AS GARTIES, LIGHT POLES AND LOW-HEIGHT RETAINING WALLS.

THIS ANALYSIS IS SUBJECT TO SITE SURVEYS WHICH ARE TO BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT

SURVEYS OF EXISTING BUILDING LOCATIONS, SOLAR PANEL LOCATIONS, SITE LEVELS,

ASSUMED NOISE WALL HEIGHTS: 10 METRES

DESIGN NOTE:
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED WALL HEIGHT OF 10 METRES, OR "WORST CASE SCENARIO" PENDING FURTHER DESIGN DEVELOPMENT AND RATIONALISATION OF WALL HEIGHTS.

PROJECT CONTRACT

REFER TO SOUTHERN INTERFACE DRAWING 0131 FOR PROPOSED WALL HEIGHTS BASED ON LATEST ADVICE AND NOISE MODELLING BY ACOUSTIC CONSULTANTS, WHICH MAY DIFFER AND THEREFORE AFFECT (MINIMISE) THE SHADOW CAST TO THAT SHOWN HERE.



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SOUTHERN INTERFACE ZONE 3



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NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE

NELP DRAWING No.:

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SOUTHERN INTERFACE ZONE 5



SEPTEMBER 22nd, 9AM

SCALE 1: 2500

SOUTHERN INTERFACE ZONE 5 REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

MINIMAL SHADOWING OVER KOONUNG CREEK TRAIL APPROACHING ORION STREET.

OVERLOOKING ANALYSIS

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



SEPTEMBER 22nd, 12PM

SCALE 1: 2500

SOUTHERN INTERFACE ZONE 5 REQ. LP4 | REG. EMF, EPR LP4

DATE

DRAWN: J. HO

SHADOW ANALYSIS

MINIMAL SHADOWING OVER KOONUNG CREEK TRAIL APPROACHING ORION STREET.

OVERLOOKING ANALYSIS

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



SOUTHERN INTERFACE ZONE 5 REQ. LP4 | REG. EMF, EPR LP4

SHADDW ANALISMS
SHADDWS CAST OVER KOONUNG CREEK TRAIL APPROACHING ORION STREET, HIGH-LEVEL ANALYSIS INDICATES
MINIMAL SHADDWING TO REAR FENCE OF 27 & 29 ORION STREET. FURTHER ASSESSMENT FOLLOWING DETAILED LAND
SURVEY AND MITIGATION IF REQUIRED THROUGH USE OF SEMI-TRANSPARENT BARRIER TYPE MILL OFFSET THIS.

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



SOUTHERN INTERFACE ZONE 2 MOTORWAY CONTROL CENTRE SOUTHERN INTERFACE ZONE 1 SOUTHERN INTERFACE ZONE 4 ANNINGHAM INTERCHANGE SOUTHERN VENTILATION STRUCTURE IERN INTERFACE ZONE 5

OVERSHADOWING DISCLAIMER NOTE:

OVERSHADOWING DIAGRAMS HAVE BEEN DRAFTED FOR THE PURPOSES OF DEPICTING SHADOWING EFFECTS FROM
MAJOR BUILDING ELEMENTS AND THEREFORE DO NOT LILUSTRATE SHADOWS CASTED FROM MINOR ELEMENTS

SUCH AS GANTRIES, LIGHT POLES AND LOW-HEIGHT RETAINING WALLS.

SUBSEQUENT ADDITIONAL OVERSHADOW PROPERTIES CONSULTED.

ASSUMED NOISE WALL HEIGHTS: 10 METRES

PROJECT CONTRACT:

REFER TO SOUTHERN INTERFACE DRAWING 0131 FOR PROPOSED WALL HEIGHTS BASED ON LATEST ADVICE AND NOISE MODELLING BY ACOUSTIC CONSULTANTS, WHICH MAY DIFFER AND THEREFORE AFFECT (MINIMISE) THE SHADOW CAST TO THAT SHOWN HERE.



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SOUTHERN INTERFACE ZONE 3



CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt



NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE

NEL-CNT-WMI-2990-UUD-DRG-0414

NELP DRAWING No.:

SUIT CODE REVISION 06

WATSONIA PORTAL ANALYSIS





SOUTHERN INTERFACE ZONE 3

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SEPTEMBER 22nd, 9AM

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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

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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

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

CONCERNS.

OVERLOOKING ANALYSIS

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



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OVERSHADOWING DISCLAIMER NOTE:

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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 CONSULTED.



NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM WATSONIA PORTAL ANALYSIS

PROJECT CONTRACT: rotective Marking: OFFICIAL: Sensitive CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

NORTH EAST LINK

NELP DRAWING No.: NEL-CNT-WMI-2990-UUD-DRG-0415 SUIT. CODE REVISION 06

DRAFTING CHECKED BY E. GRIFFITH

DESIGNED BY M. KEDDELL

CHECKED BY 02.05.2022 VERIFIED BY R. WOOD

R. MARSH

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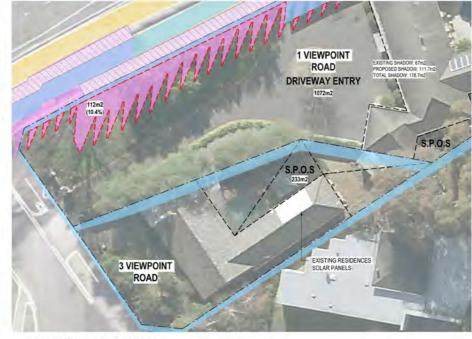
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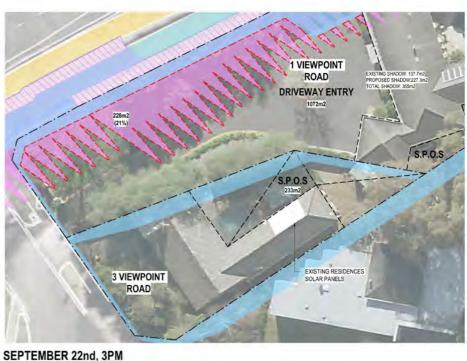
SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 1

Overshadowing shall not exceed more than 50% of the secluded private open space or 40msq which ever is the greater.

Overshadowing shall not exceed more than 50% of the secluded private open space or 40msq which ever is the greater.







SEPTEMBER 22nd, 9AM

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SOUTHERN INTERFACE ZONE 'REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ADDITIONAL SHADOW CAST OVER THE PRIVATE OPEN SPACE OF 1 VIEWPOINT ROAD. THE MAJORITY OF NEW
SHADOW CAST OVERLAPS WITH EXISTING SHADOWS. NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACVRUC
PORTIONS OF NOISE WALL NO SHADOWING CONCERNS PRESENTED FOR THE PROPERTY OF 3 VIEWPOINT ROAD. OVERLOOKING ANALYSIS.

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

OVERSHADOWING DISCLAIMER NOTE:

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SUCH AS GANTRIES, LIGHT POLES AND LOW-HEIGHT RETAINING WALLS.

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SCALE 1:250

SOUTHERN INTERFACE ZONE REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ADDITIONAL SHADOW CAST OVER THE PRIVATE OPEN SPACE OF 1 VIEWPOINT ROAD. SOME OF NEW SHADOW CAST OVERLAPS WITH EXISTING SHADOWS. NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACYPLIC PORTIONS OF NOISE WALL. NO SHADOWING CONCERNS PRESENTED FOR THE PROPERTY OF 3 VIEWPOINT ROAD. NOTE WHILL BY SHOUTH OF THE SENTED FOR THE PROPERTY OF 3 VIEWFUNT RUMD.

OVERLOOKING ANALYSIS

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

SCALE 1:250

SOUTHERN INTERFACE ZONE 1 REQ. LP4 | REG. EMF, EPR LP4

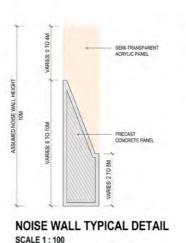
SHADOW ANALYSIS
ADDITIONAL SHADOW CAST OVER THE PRIVATE OPEN SPACE OF 1 VIEWPOINT ROAD. SOME OF NEW SHADOW CAST OVERLAPS WITH EXISTING SHADOWS. NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACYPLIC PORTIONS OF NOISE WALL. NO SHADOWING CONCERNS PRESENTED FOR THE PROPERTY OF 3 VIEWPOINT ROAD. NOTE WILL NO STREAM OWNERNIS PRESENTED FOR THE PROPERTY OF 3 YIEWFORN ROAD.

OVERLOOKING ANALYSIS

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

PROJECT CONTRACT





DESIGN NOTE: SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED WALL HEIGHT OF 10 METRES, OR "WORST CASE SCENARIO" PENDING FURTHER DESIGN DEVELOPMENT AND RATIONALISATION OF WALL HEIGHTS.

ASSUMED NOISE WALL HEIGHTS: 10 METRES

REFER TO SOUTHERN INTERFACE DRAWING 0131 FOR PROPOSED WALL HEIGHTS BASED ON LATEST ADVICE AND NOISE MODELLING BY ACOUSTIC CONSULTANTS, WHICH MAY DIFFER AND THEREFORE AFFECT (MINIMISE) THE SHADOW CAST TO THAT SHOWN HERE.



NORTH EAST LINK TUNNELS UDLP

UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 1

NELP DRAWING No.:

SUIT. CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0416 06

OVERALL PACKAGE KEY PLAN SCALE 1:15000

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SOUTHERN INTERFACE ZONE 3



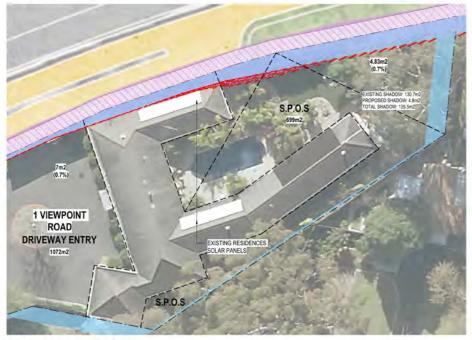


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SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 2

Overshadowing shall not exceed more than 50% of the secluded private open space or 40msg which ever is the greater.

Overshadowing shall not exceed more than 50% of the secluded private open space or 40msg which ever is the greater.







SEPTEMBER 22nd, 9AM

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SOUTHERN INTERFACE ZONE REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS
ADDITIONAL SHADOW CAST OVER THE SECLUDED PRIVATE OPEN SPACE OF 1 VIEWPOINT ROAD. THE MAJORITY OF NEW SHADOW CAST OVERLAPS WITH EXISTING SHADOWS. NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACVERLO PROTIONS OF NOISE WALL. OVERLOOKING ANALYSIS

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

OVERSHADOWING DISCLAIMER NOTE:

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MAJOR BUILDING ELEMENTS AND THEREFORE DO NOT ILLUSTRATE SHADOWS CASTED FROM MINOR ELEMENTS

SUCH AS GANTRIES, LIGHT POLES AND LOW-HEIGHT RETAINING WALLS.

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MOTORWAY CONTROL CENTRE

INGHAM INTERCHANGE

SCALE 1:250

SOUTHERN INTERFACE ZONE REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

ADDITIONAL SHADOW CAST OVER THE SECLUDED PRIVATE OPEN SPACE OF 1 VIEWPOINT ROAD. THE MAJORITY OF NEW SHADOW CAST OVERLAPS WITH EXISTING SHADOWS. NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACYPILC PORTIONS OF NOISE WALL.

OVERLOOKING ANALYSIS

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

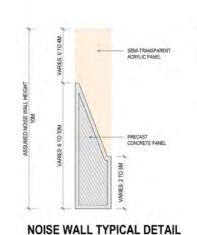
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SOUTHERN INTERFACE ZONE 1 REQ. LP4 | REG. EMF, EPR LP4

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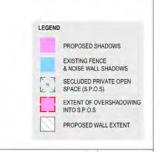
OVERLOOKING ANALYSIS THERE ARE NO ELEVATED ELEMENTS WITHIN THE SUBJECT AREA THAT CONSTITUTE OVERLOOKING CONCERNS



ASSUMED NOISE WALL HEIGHTS: 10 METRES

DESIGN NOTE:
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED WALL HEIGHT OF 10 METRES, OR "WORST CASE SCENARIO" PENDING FURTHER DESIGN DEVELOPMENT AND RATIONALISATION OF WALL HEIGHTS.

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OVERALL PACKAGE KEY PLAN

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02	FOR REVIEW	23.06.2022	CHECKED BY N. MANSH		14.10.202
01	PUBLIC EXHIBITION	02.05.2022	VERIFIED BY	R. WOOD	14.10.202
REV	DESCRIPTION	DATE	APPROVED	R. NAYLOR	14.10.202
	PEV/ISIONS			APPROVALS	

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SOUTHERN VENTILATION STRUCTURE



SOUTHERN INTERFACE ZONE 3

SOUTHERN INTERFACE ZONE 2

SOUTHERN INTERFACE ZONE 4

REFER DRG-0421 FOR A DETAILED ANALYSIS

SOUTHERN INTERFACE ZONE 5



CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

NORTH **EAST LINK** PROJECT CONTRACT

SCALE 1:100

NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 2

NELP DRAWING No.:

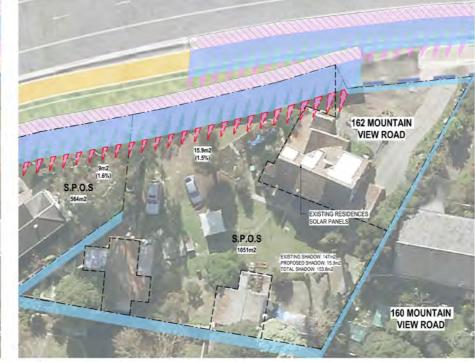
SUIT. CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0417 06

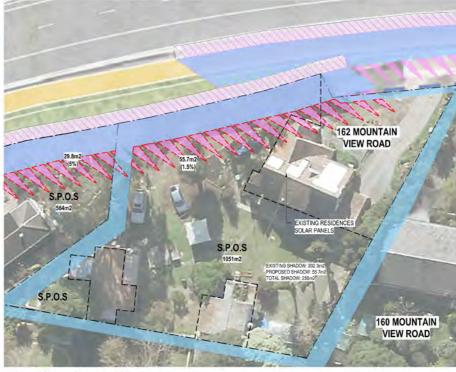
SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 3

Overshadowing shall not exceed more than 50% of the secluded private open space or 40msg which ever is the greater.

Overshadowing shall not exceed more than 50% of the secluded private open space or 40msg which ever is the greater.







SEPTEMBER 22nd, 9AM

SCALE 1: 250

SOUTHERN INTERFACE ZONE * REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

ADDITIONAL SHADOW CAST OVER THE PRIVATE OPEN SPACE & DRIVEWAY OF 162 MOUNTAIN VIEW ROAD. THE MAJORITY OF NEW SHADOW CAST OVERLAPS WITH EXISTING SHADOWS. NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACYRLIC PORTIONS OF NOISE WALL. OVERLOOKING ANALYSIS

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

OVERSHADOWING DISCEARMER 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 CONSULTED.

NORTHERN VENTILATION STRUCTURE / L.P RD PORTAL LOWER PLENTY SUBSTATION / IUK EEL BRIDGE

SEPTEMBER 22nd, 12PM

SCALE 1: 250

SOUTHERN INTERFACE ZONE REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

ANNINGHAM INTERCHANGE

ADDITIONAL SHADOW CAST OVER THE PRIVATE OPEN SPACE & DRIVEWAY OF 162 MOUNTAIN VIEW ROAD. THE MAJORITY OF NEW SHADOW CAST OVERLAPS WITH EXISTING SHADOWS NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACYRLIC PORTIONS OF NOISE WALL.

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

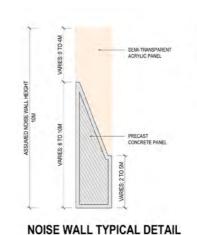
SEPTEMBER 22nd, 3PM SCALE 1: 250

SOUTHERN INTERFACE ZONE 1 REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

ADDITIONAL SHADOW CAST OVER THE PRIVATE OPEN SPACE & DRIVEWAY OF 162 MOUNTAIN VIEW ROAD. THE MAJORITY OF NEW SHADOW CAST OVERLAPS WITH EXISTING SHADOWS. NOTE SHADOWS ILLUSTRATED DO NOT INCLUDE ACYRLIC PORTIONS OF NOISE WALL. OVERLOOKING ANALYSIS

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



ASSUMED NOISE WALL HEIGHTS: 10 METRES

DESIGN NOTE:
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED WALL HEIGHT OF 10 METRES, OR "WORST CASE SCENARIO" PENDING FURTHER DESIGN DEVELOPMENT AND RATIONALISATION OF WALL HEIGHTS.



REVISION

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OVERALL PACKAGE KEY PLAN

SCALE 1:15000 DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

North Fast Link Program

6/10/2022 8:18:55 PM

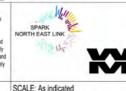
				NAME	DATE
06	FOR REVIEW	14.10.2022	DRAFTING	E. GRIFFITH	14.10.2022
05	FOR REVIEW	12.10.2022	CHECKED BY		
04	FOR REVIEW	01.09.2022	DESIGNED BY	M. KEDDELL	14.10.2022
03	FOR REVIEW	10.08.2022	ENGINEERING	R. MARSH	14.10.2022
02	FOR REVIEW	23.06.2022	CHECKED BY	N. MANORI	14.10.2022
01	PUBLIC EXHIBITION	02.05.2022	VERIFIED BY	R. WOOD	14.10.2022
REV	DESCRIPTION	DATE	APPROVED	R. NAYLOR	14.10.2022
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SIZE: A1

SOUTHERN VENTILATION STRUCTURE



SOUTHERN INTERFACE ZONE 3

SOUTHERN INTERFACE ZONE 2

SOUTHERN INTERFACE ZONE 4

SOUTHERN INTERFACE ZONE 5



CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

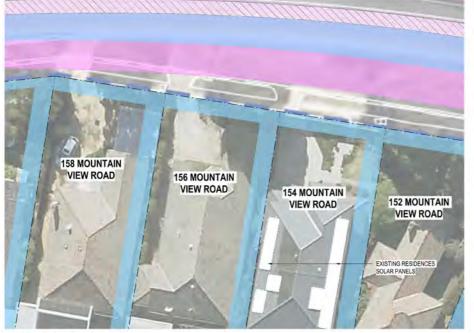
SCALE 1:100



NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 3

NELP DRAWING No.: SUIT. CODE NEL-CNT-WMI-2990-UUD-DRG-0418

SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 4





DESCRIPTION

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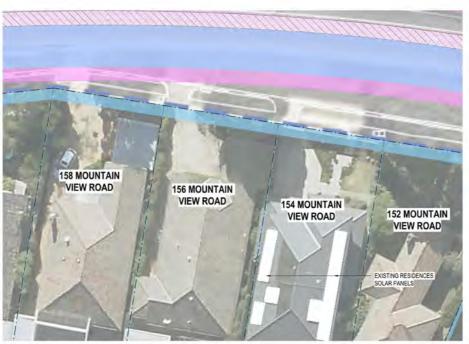
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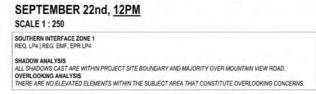
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PUBLIC EXHIBIT



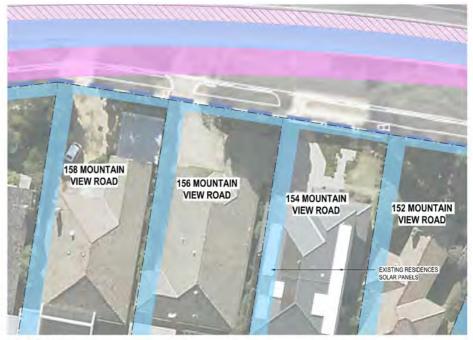


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SIZE: A1

SCALE: As indicated





NORTH

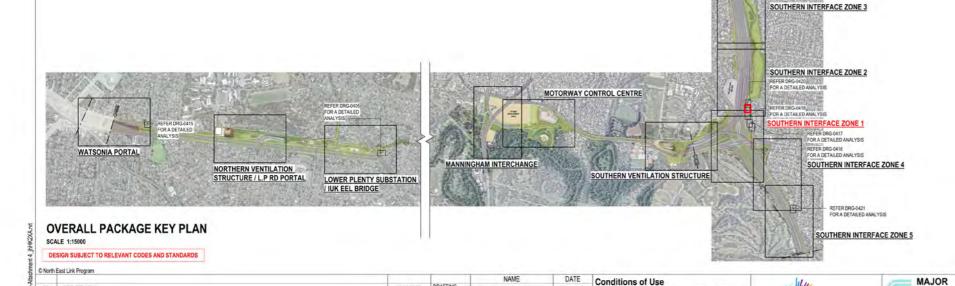
INFRASTRUCTURE

otective Marking: OFFICIAL: Sensitive

CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

EAST LINK

PROJECT CONTRACT



E. GRIFFITH

R. MARSH

APPROVALS

DESIGNED BY M. KEDDELL

14.10.2022

14.10.2022

14.10.2022

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DRAWN: J. HO

DRAFTING CHECKED BY

CHECKED BY 02.05.2022 VERIFIED BY R. WOOD

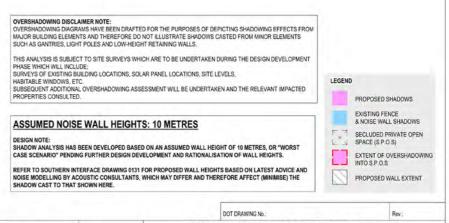
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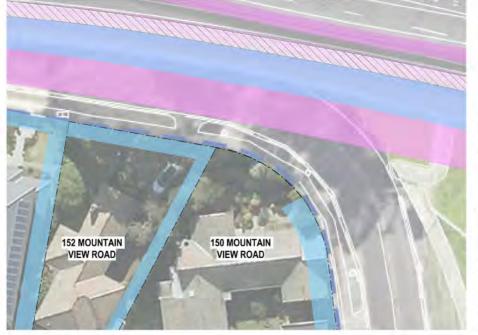


NORTH EAST LINK TUNNELS UDLP UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE 1 ANALYSIS - PART 4

NELP DRAWING No.: SUIT. CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0419

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SOUTHERN INTERFACE ZONE 2 ANALYSIS

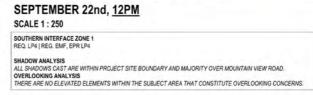




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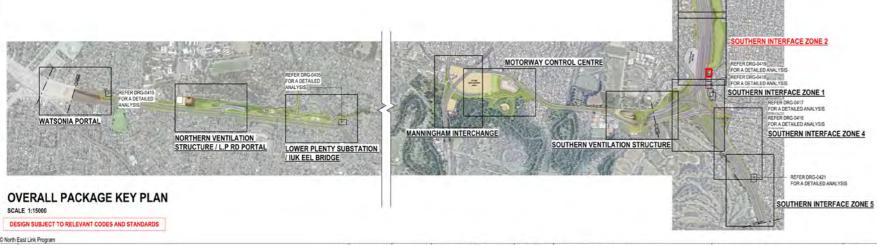
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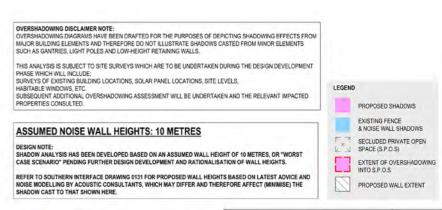












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FOR REVIEW	14.10.2022	DRAFTING	E. GRIFFITH	14.10.2022		purposes of the North East Link	The state of the s		TRANSPORT	NORTH		ATTACHMENT 4 - ARCHITECTURE AND URBAY		
FOR REVIEW	12.10.2022	CHECKED BY			Program.	, , , , , , , , , , , , , , , , , , , ,	SPARK		INFRASTRUCTURE	# EAST LINK				
FOR REVIEW	01.09.2022	DESIGNED BY	111111111111111111111111111111111111111	14.10.2022	Recipients of this document:		NORTH EAST LINK		AUTHORITY	PROGRAM		UDLP OVERSHADOWING DIAGRAM SOUTHER	N INTERFA	ACE ZONE
FOR REVIEW	10.08.2022	ENGINEERING	R. MARSH	14.10.2022	 Are subject to obligations of confidentiality 	y in relation to this document, and	20411		and the restrict of the control of	GPO BOX 4509		2 ANALYSIS		
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PUBLIC EXHIBITION	02.05.2022	VERIFIED BY	R. WOOD	14.10.2022	May not rely upon the information contains	ed in this document, and must rely			BIG BUILD	PHONE 1800 105 105				
DESCRIPTION	DATE	APPROVED	R. NAYLOR	14.10.2022	absolutely on their own opinion and professi	sional advice			Protective Marking: OFFICIAL: S	Sensitive	PROJECT CONTRACT:	NELP DRAWING No.:	SUIT. CODE	REVISION
REVISIONS			APPROVALS		DRAWN: J. HO	SIZE: A1	SCALE: As indicated		CAD FILE: NEL-CNT-WMI-2990-UUD-	MD3.rvt		NEL-CNT-WMI-2990-UUD-DRG-0420		06

SOUTHERN INTERFACE ZONE 3

SOLAR PANELS

25

25 ORION

STREET

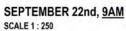
Overshadowing shall not exceed more than 50% of the secluded private open space or 40msq which ever is the greater.

27 ORION

STREET

SOUTHERN INTERFACE ZONE 5 ANALYSIS





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FOR REVIEW

FOR REVIEW

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PUBLIC EXHIBITIO

OVER KOONUNG CREEK TRAIL APPROACHING 27 & 29 ORION STREET. MINIMAL SHADOWING OVER KOONUNG CREEK TRAIL APPROACHING 27 & 29 UNION STREET.

OVERLOOKING ANALYSIS

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



SOUTHERN INTERFACE ZONE 3

SEPTEMBER 22nd, 12PM

SCALE 1:250

SOUTHERN INTERFACE ZONE S REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

VER THE PROPERTIES OF 27 & 29 ORION STREET; MOST SHADOWS CAST OVERLAP WITH



SIZE: A1

Conditions of Use

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SEPTEMBER 22nd, 3PM SCALE 1:250

SOUTHERN INTERFACE ZONE 5 REQ. LP4 | REG. EMF, EPR LP4

SHADOW ANALYSIS

SHADOWS CAST OVER KOONUNG CREEK TRAIL AND INTO THE PROPERTIES OF 27 & 29 ORION STREET. SHADING
CAST INTO THE PROPERTY OF 27 ORION STREET REMAINS MINIMAL WHEREAS THE SHADOWING EXTENT IS
MODEPATE WITHIN THE PROPERTY OF 29 ORION STREET. NO WALL SHADOWS IMPACT THE BUILT FORM OF EITHER
BROODESTIES OF

PROPERTIES.

OVERLOOKING ANALYSIS

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

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

29 ORION

STREET

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,

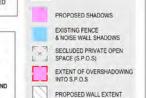
SUBSEQUENT ADDITIONAL OVERSHADOWING ASSESSMENT WILL BE UNDERTAKEN AND THE RELEVANT IMPACTED

ASSUMED NOISE WALL HEIGHTS: 10 METRES

PROJECT CONTRACT

DESIGN NOTE:
SHADOW ANALYSIS HAS BEEN DEVELOPED BASED ON AN ASSUMED WALL HEIGHT OF 10 METRES, OR "WORST
CASE SCENARIO" PENDING FURTHER DESIGN DEVELOPMENT AND RATIONALISATION OF WALL HEIGHTS.

REFER TO SOUTHERN INTERFACE DRAWING 0131 FOR PROPOSED WALL HEIGHTS BASED ON LATEST ADVICE AND NOISE MODELLING BY ACOUSTIC CONSULTANTS, WHICH MAY DIFFER AND THEREFORE AFFECT (MINIMISE) THE SHADOW CAST TO THAT SHOWN HERE.



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NORTH EAST LINK TUNNELS UDLP

UDLP OVERSHADOWING DIAGRAM SOUTHERN INTERFACE ZONE 5 ANALYSIS

> NELP DRAWING No.: SUIT. CODE REVISION NEL-CNT-WMI-2990-UUD-DRG-0421

WATSONIA PORTAL OVERALL PACKAGE KEY PLAN SCALE 1:15000 DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS	NORTHERN VENTILATION STRUCTURE / L P RD PORTAL LOWER PLENTY SUBSTATION / IUK EEL BRIDGE	MANNINGHAM INTERCHANGE SOUTHERN VENTILATION STRUCTURE	SOUTHERN INTERFACE ZONE 2 FREFE DRIGOGOD FOR A DETAILED ANALYSIS FOR A DETAILED ANALYSIS FOR A DETAILED ANALYSIS FOR A DETAILED ANALYSIS SOUTHERN INTERFACE ZONE 1 FREFE CROEGOMY FOR A DETAILED ANALYSIS FOR A DETAILED ANALYSIS FOR A DETAILED ANALYSIS SOUTHERN INTERFACE SOUTHERN INTERFACE
© North East Link Program			

DRAFTING CHECKED BY

CHECKED BY 02.05.2022 VERIFIED BY R. WOOD

E. GRIFFITH

R. MARSH

APPROVALS

DESIGNED BY M. KEDDELL

14.10.2022

12.10.2022

01.09.2022

10.08.2022

DATE





NORTH **EAST LINK**

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CAD FILE: NEL-CNT-WMI-2990-UUD-MD3.rvt

SCALE: As indicated

DESCRIPTION

REVISIONS