NAP: WWG8

						Distance from	Distance	Screening	Façade	Predicted
		Work		Reduction of	Mitigated	Notional Source	Correction,	Correction,	Correction,	Noise Level,
Period	Construction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
Jul 2026 - Aug 2026	Foundation of Noise Barrier	3	Outside 50m Buffer Zone	N/A	106	50	-42.0	0	3	67.0
Jul 2026 - Aug 2026	Pile Cap, L-retaining Wall and Formation of new road (a)	3	Within 50m Buffer Zone	N/A	107	25	-36.0	0	3	74.0

Overall Predicted Noise Level, dB(A)

Daytime Noise Criteria, dB(A)

75

Compliance Yes

						Distance from	Distance	Screening	Façade	Predicted
		Work		Reduction of	Mitigated	Notional Source	Correction,	Correction,	Correction,	Noise Level,
Period	Construction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
	Foundation of Noise Barrier		Outside 50m Buffer Zone		106	50	-42.0	0	3	67.0
Sep 2026 - Jan 2027	Pile Cap, L-retaining Wall and Formation of new road (a)		Within 50m Buffer Zone	N/A	107	25	-36.0	0	3	74.0
	Utilities Diversion		Outside 50m Buffer Zone		104	50	-42.0	0	3	65.0

Overall Predicted Noise Level, dB(A) 75
Daytime Noise Criteria, dB(A) 75

					Distance from	Distance	Screening	Façade	Predicted
	Work		Reduction of	Mitigated	Notional Source	Correction,	Correction,	Correction,	Noise Level,
nstruction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
undation of Noise Barrier	3	Outside 50m Buffer Zone		106	50	-42.0	0	3	67.0
e Cap, L-retaining Wall and Formation of new road (a)	3	Within 50m Buffer Zone	N/A	107	25	-36.0	0	3	74.0
ilities Diversion	3	Outside 50m Buffer Zone	,	104	50	-42.0	0	3	65.0
ection of structural steel post for noise barrier	3	Outside 50m Buffer Zone		100	50	-42.0	0	3	61.0
ur e ili	struction Activities Idation of Noise Barrier Cap, L-retaining Wall and Formation of new road ^(a) ties Diversion	ndation of Noise Barrier 3 Cap, L-retaining Wall and Formation of new road (a) 3 ties Diversion 3	struction Activities Zone Location ndation of Noise Barrier 3 Outside 50m Buffer Zone Cap, L-retaining Wall and Formation of new road (a) 3 Within 50m Buffer Zone ties Diversion 3 Outside 50m Buffer Zone	struction Activities Zone Location number of PME ndation of Noise Barrier 3 Outside 50m Buffer Zone Vithin 50m Buffer Zone N/A cap, L-retaining Wall and Formation of new road (left) Diversion 3 Outside 50m Buffer Zone N/A dies Diversion 3 Outside 50m Buffer Zone N/A	struction Activities Zone Location number of PME SWL, dB(A) ndation of Noise Barrier 3 Outside 50m Buffer Zone 106 106 Cap, L-retaining Wall and Formation of new road (a) 3 Within 50m Buffer Zone N/A 107 ties Diversion 3 Outside 50m Buffer Zone N/A 107	struction Activities Zone Location number of PME SWL, dB(A) Position, m ndation of Noise Barrier 3 Outside 50m Buffer Zone 106 50 Cap, L-retaining Wall and Formation of new road ⁽⁶⁾ 3 Outside 50m Buffer Zone N/A 107 25 ties Diversion 3 Outside 50m Buffer Zone 104 50	struction Activities Zone Location number of PME SWL, dB(A) Position, m dB(A) ndation of Noise Barrier 3 Outside 50m Buffer Zone 106 50 42.0 Cap, L-retaining Wall and Formation of new road (a) 3 Within 50m Buffer Zone N/A 107 25 -36.0 within 50m Buffer Zone 3 Outside 50m Buffer Zone 104 50 -42.0 within of structural steel post for noise barrier 3 Outside 50m Buffer Zone 100 50 -42.0	struction Activities Zone Location number of PME SWL, dB(A) Position, m dB(A) dB(A) dB(A) ndation of Noise Barrier 3 Outside 50m Buffer Zone 106 50 -42.0 0 Cap, L-retaining Wall and Formation of new road ^(a) 3 Within 50m Buffer Zone N/A 107 25 -36.0 0 ties Diversion 3 Outside 50m Buffer Zone 104 50 -42.0 0	Struction Activities Zone Location number of PME SWL, dB(A) Position, m dB(A) dB(A) dB(A) dB(A)

Overall Predicted Noise Level, dB(A) 75
Daytime Noise Criteria, dB(A) 75
Compliance Yes

						Distance from	Distance	Screening	Façade	Predicted
		Work		Reduction of	Mitigated	Notional Source	Correction,	Correction,	Correction,	Noise Level,
Period	Construction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
	Pile Cap, L-retaining Wall and Formation of new road (a)	3	Within 50m Buffer Zone		107	25	-36.0	0	3	74.0
Jun 2027 - Jul 2027	Utilities Diversion	3	Outside 50m Buffer Zone	N/A	104	50	-42.0	0	3	65.0
Jun 2027 Jun 2027	Erection of structural steel post for noise barrier	3	Outside 50m Buffer Zone		100	50	-42.0	0	3	61.0
				Maximum no	ise contribution	n from construction	n activities in	Zone 4 durin	g this period:	52

Overall Predicted Noise Level, dB(A) 75

Daytime Noise Criteria, dB(A) 75

Screening Predicted Noise Level, Distance from Distance Façade Work Reduction of Mitigated Notional Source Correction, Correction, Correction. Construction Activities
Foundation of Noise Barrier dB(A) dB(A) dB(A) dB(A) 3 Outside 50m Buffer Zone 67.0 -42.0 N/A Oct 2028 - Nov 2028 N/A 107 25 -36.0 0 3

Maximum noise contribution from construction activities in Zone 4 during this period: Pile Cap and Formation of new road (a)

| 36.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 3 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |

		Work		Reduction of		Distance from Notional Source		Screening		Predicted
Period	Construction Activities	Zone	Location						dB(A)	dB(A)
	Foundation of Noise Barrier	***	Outside 50m Buffer Zone		106	50	-42.0	0	3	67.0
Dec 2028- Jan 2029	Pile Cap and Formation of new road (a)		Within 50m Buffer Zone	N/A	107	25	-36.0	0	3	74.0
DCC 2020 3411 2023	Utilities Diversion		Outside 50m Buffer Zone		104	50	-42.0	0	3	65.0
				Maximum no	ise contribution	n from construction	n activities in	Zone 4 durin	g this period:	E4

Overall Predicted Noise Level, dB(A) 75

Daytime Noise Criteria, dB(A) 75

Compliance Yes

Period	Construction Activities	Work Zone	Location	Reduction of number of PME	Mitigated	Distance from Notional Source Position, m	Correction,	Screening Correction, dB(A)	Correction,	Predicted Noise Level, dB(A)
	Foundation of Noise Barrier		3 Outside 50m Buffer Zone		106	50	-42.0	0	3	67.0
	Pile Cap and Formation of new road ^(a)		3 Within 50m Buffer Zone	N/A	107	25	-36.0	0	3	74.0
Feb 2029	Utilities Diversion		3 Outside 50m Buffer Zone	14/7	104	50	-42.0	0	3	65.0
	Erection of structural steel post for noise barrier		3 Outside 50m Buffer Zone		100	50	-42.0	0	3	61.0
				Maximum no	ise contributio	n from construction	n activities in	Zone 4 durin	g this period:	54

Overall Predicted Noise Level, dB(A) 75
Daytime Noise Criteria, dB(A) 75

		Work		Reduction of		Distance from Notional Source		Screening Correction.		Predicted Noise Level.
Period	Construction Activities	Zone	Location			Position, m			dB(A)	dB(A)
	Pile Cap and Formation of new road ^(a)		Within 50m Buffer Zone		107	25	-36.0	0	3	74.0
Mar 2029 - Apr 2029	Utilities Diversion		Outside 50m Buffer Zone	N/A	104	50	-42.0	0	3	65.0
Wai 2025 - Api 2025	Erection of structural steel post for noise barrier		Outside 50m Buffer Zone		100	50	-42.0	0	3	61.0
				Maximum no	ise contribution	n from construction	n activities in	Zone 4 durin	g this neriod:	E4

Overall Predicted Noise Level, dB(A) 75

Daytime Noise Criteria, dB(A) 75

Compliance Yes

		147d.		Deduction of						Predicted
		Work		Reduction of	Mitigated	Notional Source	Correction,	Correction,	correction,	Noise Level,
Period	Construction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
	Foundation of Noise Barrier		Outside 50m Buffer Zone	N/A	106	50	-42.0	0	3	67.0
Aug 2029 - Oct 2029	Pile Cap and Footing (a)		Within 50m Buffer Zone	N/A	107	25	-36.0	0	3	74.0
				Maximum no	ice contributio	n from construction	n activitios in	Zono 4 durin	a thic pariod:	

Overall Predicted Noise Level, dB(A) 75
Daytime Noise Criteria, dB(A) 75
Compliance Ye

Appendix 4.10a Construction Noise Assessment with Implementation of Further Noise Mitigation Measures for WWG8

		Work		Reduction of		Distance from Notional Source		Screening Correction,		Predicted Noise Level,
Period	Construction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
	Foundation of Noise Barrier		Within 50m Buffer Zone		106	50	-42.0	0	3	67.0
Nov 2029 - Dec 2029	Pile Cap and Formation of new road ^(a)		Outside 50m Buffer Zone	N/A	107	25	-36.0	0	3	74.0
NOV 2023 - DCC 2023	Erection of structural steel post for noise barrier		Outside 50m Buffer Zone		100	50	-42.0	0	3	61.0
				Maximum no	ise contribution	n from construction	n activities in	Zone 4 durin	g this period:	EG

Overall Predicted Noise Level, dB(A) Daytime Noise Criteria, dB(A) Compliance

								Screening		Predicted
		Work		Reduction of	Mitigated	Notional Source	Correction,	Correction,	Correction,	Noise Level,
Period	Construction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
	Erection of steel member and noise barrier panel at north									
	bound	3	Outside 50m Buffer Zone	N/A	100	50	-42.0	0	3	61.0
	Road Drainage	3	Outside 50m Buffer Zone		106	50	-42.0	0	3	67.0
Apr 2030										
Арт 2030				No. of Compactor,						
				vibratory reduce						
	Road Surfacing ^(a)	3	Within 50m Buffer Zone	from 6 to 4	107	25	-36.0	0	3	74.0
				Maximum noi	ise contributio	n from construction	n activities in	Zone 4 durin	g this period:	50

Overall Predicted Noise Level, dB(A)

Daytime Noise Criteria, dB(A) 75 75 Yes

		Work		Reduction of			Distance Correction,	Screening Correction,		Predicted Noise Level,
Period	Construction Activities	Zone	Location	number of PME	SWL, dB(A)	Position, m	dB(A)	dB(A)	dB(A)	dB(A)
	Erection of steel member and noise barrier panel at north									
	bound	3	Outside 50m Buffer Zone	N/A	100	50	-42.0	0	3	61.0
May 2030				No. of Compactor,						
.,				vibratory reduce						
	Road Surfacing ^(a)	3	Within 50m Buffer Zone	from 6 to 4	107	25	-36.0	0	3	74.0
	Roadlighting and E&M works	3	Outside 50m Buffer Zone	N/A	96	50	-42.0	0	3	57.0
				Maximum noi	se contributio	n from construction	n activities in	Zone 4 durin	g this period:	55

Overall Predicted Noise Level, dB(A)

Daytime Noise Criteria, dB(A) 74 75 Yes

		Work		Reduction of			Distance Correction.	Screening	-	Predicted Noise Level.
Period	Construction Activities	Zone	Location	number of PME		Position, m	dB(A)			dB(A)
renou	Erection of steel member and noise barrier panel at south bound		Outside 50m Buffer Zone	N/A	100	50		``	3	61.0
	Road Drainage	_	Outside 50m Buffer Zone	,	106	50			3	67.0
Sep 2030				No. of Compactor, vibratory reduce						
	Road Surfacing ^(a)	3	Within 50m Buffer Zone	from 6 to 4	107	25	-36.0	0	3	74.0
	Roadlighting and E&M works	3	Outside 50m Buffer Zone	N/A	96	50	-42.0	0	3	57.0
				Maximum no	ise contributio	n from construction	n activities in	Zone 4 durin	g this nerind	54

75 75 Yes Overall Predicted Noise Level, dB(A)

Daytime Noise Criteria, dB(A)

Period	Construction Activities	Work Zone	Location		Mitigated	Distance from Notional Source Position, m		Screening Correction, dB(A)		Predicted Noise Level, dB(A)
	Erection of steel member and noise barrier panel at south									
	bound	3	Outside 50m Buffer Zone	N/A	100	50	-42.0	0	3	61.0
Oct 2030	Road Surfacing ^(a)		Within 50m Buffer Zone	No. of Compactor, vibratory reduce from 6 to 4	107	25			3	74.0
	Roadlighting and E&M works	3	Outside 50m Buffer Zone	N/A	96	50	-42.0	0	3	57.0
	Maximum noise contribution from construction activities in Zone 4 during this period:									53

Overall Predicted Noise Level, dB(A)

Daytime Noise Criteria, dB(A)

Compliance 74 75 Yes

Note:
(a) The construction activity with the highest SWL.
(b) Only one construction activity would be located in the buffer zone. The activity with the highest SWL located in the buffer zone represents the worst case scenario.