

Technical Appendix 9.3: Construction Data

Project	Charlton Riverside					
Drawing ref						
	Distances					
Receptor No.	3	1 & 2				
Receptor Name	Quixotic	Residents	West	East	Tower	
Closest approach (Site boundary) (m)	3	7	30	60	110	
Site Enabling Works	3	7	30	60	110	
Demolition	3	7	30	60	110	
Excavation and Remediation	3	7	30	60	110	
Substructure	3	7	30	60	110	
Superstructure	3	7	30	60	110	
Fit-out	3	7	30	60	110	
Roads and Landscaping	3	7	30	60	110	
Maximum permissible construction noise level at the façade				75		
Internal noise level limit				40		Living rooms during the day = 40 dB

Charlton Riverside					
Calculations with NO BARRIERS			Façade levels		
Receptor no.	3	1 & 2			
Receptor name	Quixotic	Residents	West	East	Tower
Maximum allowable façade noise level	75	75	75	75	75
Site Enabling Works	75	67			
Demolition	79	72			
Excavation and Remediation	80	72			
Substructure	83	76			
Superstructure	81	74	66	63	58
Fit-out	75	67	60	56	52
Roads and Landscaping	76	69	61	57	53
Overall Total Noise Level	88	80			

Activity1	Site Enabling W	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Bulldozer	108	20
		20
Small Tools (Cutters, drills)	85	20
Generators	90	50
Tracked Excavator	100	20
MEWPS	98	20

Activity2	Demolition	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Bulldozer	108	20
Cranes x1	107	20
Small Tools (Cutters, drills)	85	20
Crushers	100	40
Hydraulic Benders and Cutters	100	30
MEWPS	85	20
360 Excavator	100	50
Generator	90	50
HGV	106	20

Activity3	Excavation and	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Bulldozer	108	20
Cranes x3	110	20
Crushers	100	5
360 Excavator	100	40
Generator	90	50
HGV	106	10
Water Pump	96	20

Activity4	Substructure	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Bulldozer	108	20
Compactors	100	10
Cranes	110	40
Small Tools (Cutters, drills)	85	20
Forklift	100	20
Generator	90	40
Hydraulic Benders and Cutters	100	20
HGV	106	20
Piling (Sheet)	85	30
Concrete Mixer	109	40
Concrete Pump	110	40
Water Pump	96	10

Activity5	Superstructure	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Cranes	110	20
Small Tools (Cutters, drills)	85	10
Forklift	100	20
Generator	90	50
Hydraulic Benders and Cutters	100	20
HGV	106	10
MEWPS	85	20
Concrete Mixer	109	40
Concrete Pump	110	40

Activity6	Fit-out	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Cranes	110	10
Small Tools (Cutters, drills)	85	5
Fork Lift	100	10
Generator	90	20
HGV	105	10
MEWPS	85	10

Activity6	Fit-out	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Cranes	110	10
Small Tools (Cutters, drills)	85	5
Fork Lift	100	10
Generator	90	20
HGV	105	10
MEWPS	85	10

Activity7	Roads and Land	
Plant Type	Lw dB(A)	Act'vty Dur.
		Tt
Bulldozer	108	20
Compactors	100	20
360 Excavator	100	5
Forklift	100	10
Generator	90	40
HGV	106	5