

APPENDIX B1

Construction Plant Inventory (No mitigation measures)

Table B1-a: General Site Formation

PME	Reference Code	No. of units	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Breaker, hand-held, mass > 35kg	CNP 026	1	114	114	125
Breaker, excavator mounted	CNP 027	1	122	122	
Poker, vibratory, hand-held	CNP170	3	113	118	
Air compressor, air flow >30m ³ /min	CNP 003	1	104	104	
Excavator	CNP 081	3	112	117	
Lorry	BS5228 C.7-121	2	98	101	
Concrete lorry mixer	BS5228 C.6-35	3	100	105	
Concrete pump	CNP047	1	109	109	
Crane, mobile	CNP 048	1	112	112	
Generator, silenced	CNP 102	1	100	100	
Bulldozer	CNP 030	1	115	115	
Bar bender & Cutter	CNP 021	1	90	90	

Table B1-b: General Construction of Building and/ or Cremators

PME	Reference Code	No. of units	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Crane, mobile	CNP 048	1	112	112	120
Crane, tower (electric)	CNP 049	1	95	95	
Concrete lorry mixer	BS5228 C.6-35	3	100	105	
Concrete pump	CNP 047	1	109	109	
Poker, vibratory, hand-held	CNP 170	3	113	118	
Generator, silenced	CNP 102	1	100	100	
Bar bender & Cutter	CNP 021	2	90	93	
Dump truck	BS5228 C.9-29	2	109	112	

Table B1-c: Demolition

PME	Reference Code	No. of units	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Crane, mobile	CNP 048	1	112	112	127
Excavator	CNP 081	2	112	115	
Lorry	BS5228 C.7-121	2	98	101	
Bulldozer	CNP 030	1	115	115	
Breaker, excavator mounted	CNP 027	1	122	122	
Breaker, hand-held, mass > 35kg	CNP 026	10	114	124	
Air compressor, air flow >30m ³ /min	CNP 003	2	104	107	
Generator, silenced	CNP 102	1	100	100	

Notes:

1. Refers to the GW-TM and BS 5228: Part 1 for the Reference Code of the Power Mechanical Equipment
2. "SWL" denotes as Sound Power Level

APPENDIX B1

Construction Plant Inventory (Mitigated - Quiet Equipment)

Table B1-d: General Site Formation

PME	Reference Code	No. of units	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Breaker, hand-held	BS5228 C.2-10	1	110	110	121
Breaker, excavator mounted	BS5228 C.2-4	1	119	119	
Poker, vibratory, hand-held	BS5228 C.6-32	3	100	105	
Air compressor	BS5228 C.7-43	1	102	102	
Excavator	BS5228 C.3-97	3	105	110	
Lorry	BS5228 C.7-121	2	98	101	
Concrete lorry mixer	BS5228 C.6-35	3	100	105	
Concrete pump	BS5228 C.6-36	1	106	106	
Crane, mobile	BS5228 C.7-110	1	106	106	
Generator, silenced	CNP 102	1	100	100	
Bulldozer	BS5228 C.3-65	1	111	111	
Bar bender & Cutter	CNP 021	1	90	90	

Table B1-e: General Construction of Building and/ or Cremators

PME	Reference Code	No. of units	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Crane, mobile	BS5228 C.7-110	1	106	106	115
Crane, tower (electric)	CNP 049	1	95	95	
Concrete lorry mixer	BS5228 C.6-35	2	100	103	
Concrete pump	BS5228 C.6-36	1	106	106	
Poker, vibratory, hand-held	BS5228 C.6-32	3	100	105	
Generator, silenced	CNP 102	1	100	100	
Bar bender & Cutter	CNP 021	2	90	93	
Dump truck	BS5228 C.9-29	2	109	112	

Table B1-f: Demolition

PME	Reference Code	No. of units	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Crane, mobile	BS5228 C.7-110	1	106	106	123
Excavator	BS5228 C.3-97	2	105	108	
Lorry	BS5228 C.7-121	2	98	101	
Bulldozer	BS5228 C.3-65	1	111	111	
Breaker, excavator mounted	BS5228 C.2-4	1	119	119	
Breaker, hand-held	BS5228 C.2-10	10	110	120	
Air compressor	BS5228 C.7-43	2	102	105	
Generator, silenced	CNP 102	1	100	100	

Notes:

1. Refers to the GW-TM and BS 5228: Part 1 for the Reference Code of the Power Mechanical Equipment
2. "SWL" denotes as Sound Power Level

APPENDIX B1

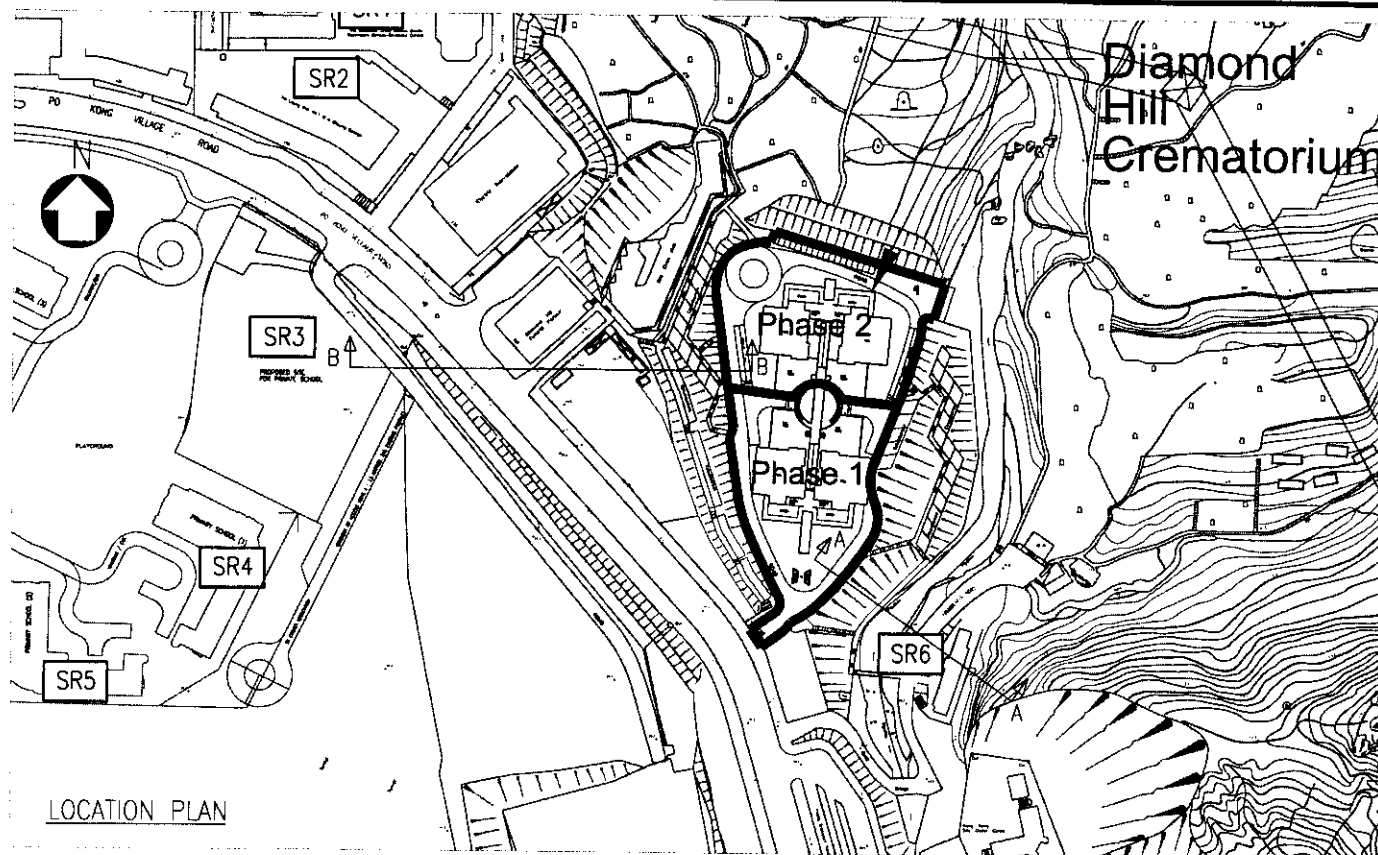
Construction Plant Inventory (Quiet Equipment) + (Movable Barriers for General Site Formation and Demolition Works)

Table B1-g: General Site Formation

PME	Reference Code	No. of units	SWL/unit, dB(A)	Barrier Correction, dB(A)	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Breaker, hand-held	BS5228 C.2-10	1	110	-5	105	105	117
Breaker, excavator mounted	BS5228 C.2-4	1	119	-5	114	114	
Poker, vibratory, hand-held	BS5228 C.6-32	3	100	-5	95	100	
Air compressor	BS5228 C.7-43	1	102	-5	97	97	
Excavator	BS5228 C.3-97	3	105	-5	100	105	
Lorry	BS5228 C.7-121	2	98	0	98	101	
Concrete lorry mixer	BS5228 C.6-35	3	100	-5	95	100	
Concrete pump	BS5228 C.6-36	1	106	-5	101	101	
Crane, mobile	BS5228 C.7-110	1	106	-5	101	101	
Generator, silenced	CNP 102	1	100	-5	95	95	
Bulldozer	BS5228 C.3-65	1	111	0	111	111	
Bar bender & Cutter	CNP 021	1	90	-5	85	85	

Table B1-h: Demolition

PME	Reference Code	No. of units	SWL/unit, dB(A)	Barrier Correction, dB(A)	SWL/unit, dB(A)	Summation of SWL, dB(A)	Total SWL, dB(A)
Crane, mobile	BS5228 C.7-110	1	106	-5	101	101	119
Excavator	BS5228 C.3-97	2	105	-5	100	103	
Lorry	BS5228 C.7-121	2	98	0	98	101	
Bulldozer	BS5228 C.3-65	1	111	0	111	111	
Breaker, excavator mounted	BS5228 C.2-4	1	119	-5	114	114	
Breaker, hand-held	BS5228 C.2-10	10	110	-5	105	115	
Air compressor	BS5228 C.7-43	2	102	-5	97	100	
Generator, silenced	CNP 102	1	100	-5	95	95	



LEGEND

- SR'X' REPRESENTATIVE NOISE SENSITIVE RECEIVER
- Phase 1 PROJECT SITE BOUNDARY

