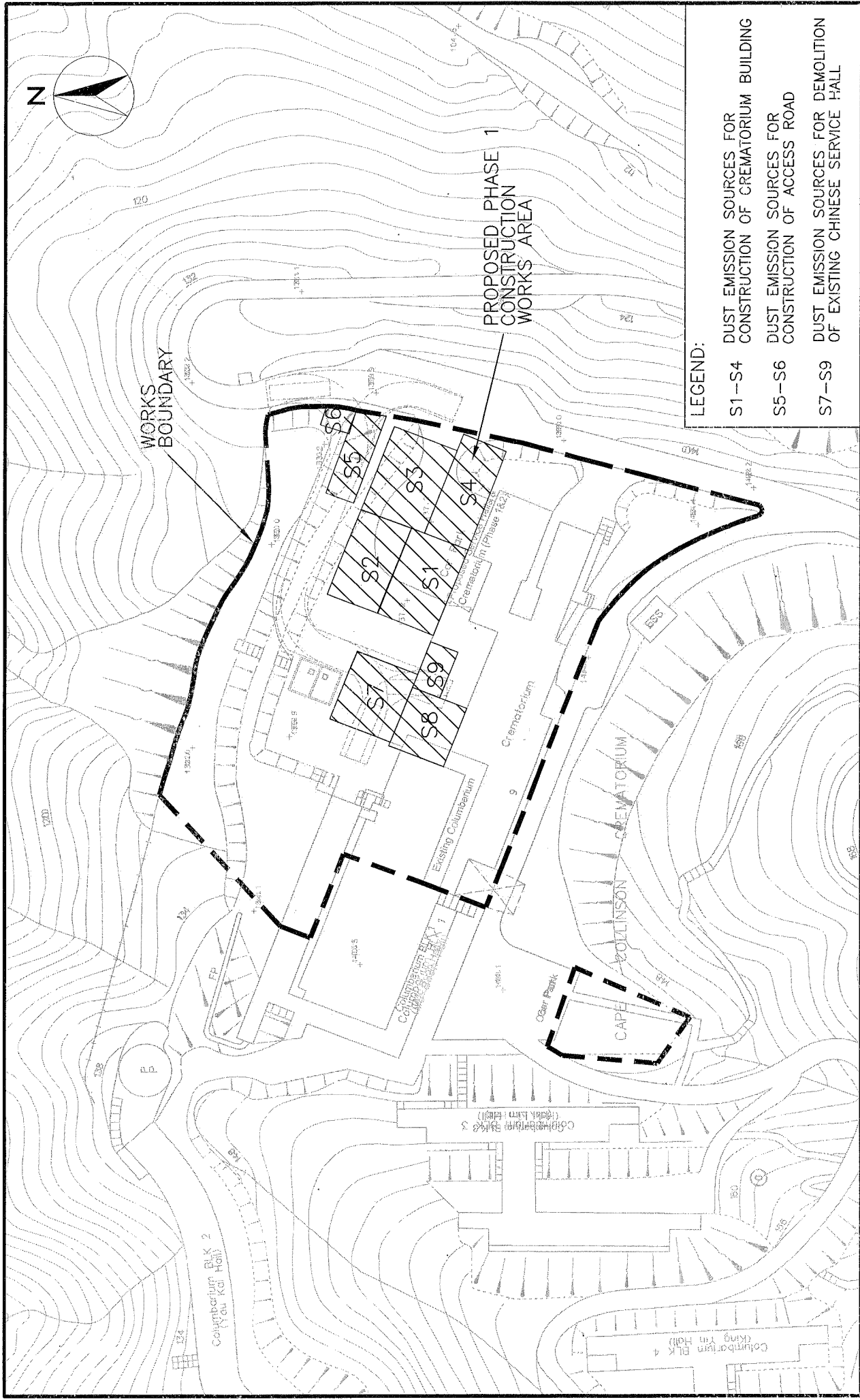


Appendix 3.1 Detailed Calculations of Dust Emission Rates

Source ⁽¹⁾	Emission Factors		Parameters	Remarks
Phase 1 & 2 Construction Works	Heavy construction activities (g/m ² /s)	1.0378E-04	TSP emission factor (Mg/hectare/month of activity) Percentage area actively operating (%) Working Hours % of dust suppression	2.69 100 12 50 <i>from AP-42, 5th ed., S13.2.3.3 estimated Working hour 7:00-19:00 for watering twice a day & other dust suppression measures</i>
	Wind erosion of exposed areas E (g/m ² /s)	2.6953E-06	TSP emission factor (Mg/hectare/yr) % of dust suppression	0.85 0 <i>from AP-42, 5th ed., Table 11.9.4</i>

Note: (1) See attached Figures A3.1a and A3.1b for locations of potential dust emission sources



LEGEND:

S1-S4	DUST EMISSION SOURCES FOR CONSTRUCTION OF CREMATORIUM BUILDING
S5-S6	DUST EMISSION SOURCES FOR CONSTRUCTION OF ACCESS ROAD
S7-S9	DUST EMISSION SOURCES FOR DEMOLITION OF EXISTING CHINESE SERVICE HALL

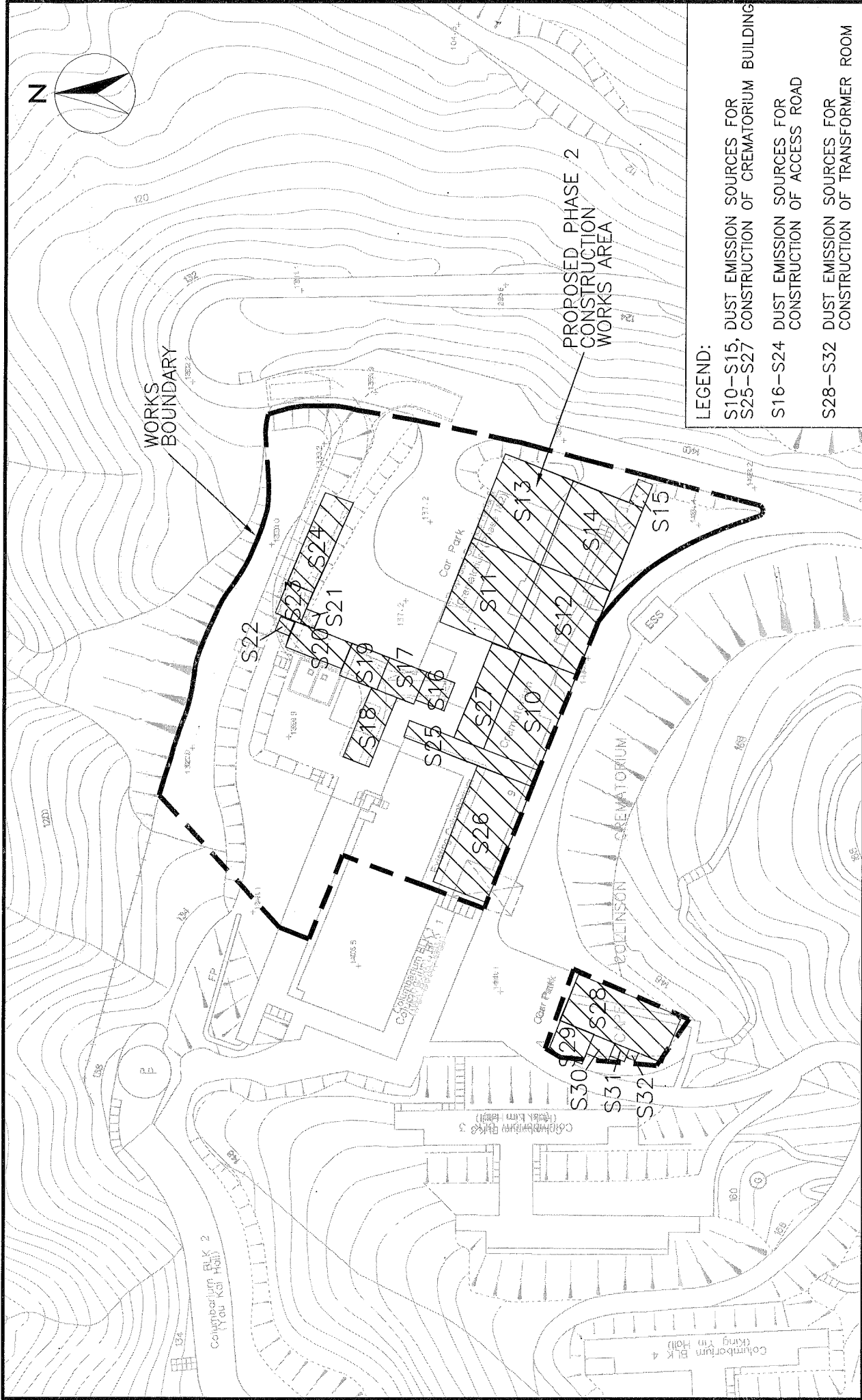
SCALE	A4 1:1000	DATE	FEB 09
CHECK	DCFL	DRAWN	SWKY
JOB No.	60028568	DRAWING No.	FIG A3.1a
REV			-

PWP NO. 016NB
 PHASED REPOSITIONING OF COLLINSON CREMATORIUM

LOCATIONS OF POTENTIAL DUST EMISSION SOURCES - PHASE 1

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 MALINSELL
 ENSR Asia (HK) Ltd.

AECOM



LEGEND:
 S10-S15, DUST EMISSION SOURCES FOR CONSTRUCTION OF CREMATORIUM BUILDING
 S16-S24 DUST EMISSION SOURCES FOR CONSTRUCTION OF ACCESS ROAD
 S28-S32 DUST EMISSION SOURCES FOR CONSTRUCTION OF TRANSFORMER ROOM

ENSR MAUNSELL ENSR Asia (HK) Ltd.		AECOM		PMP NO. 016NB PHASED REPOVISIONING OF COLLINSON CREMATORIUM		SCALE A4 1:1000		DATE FEB 09	
A4 1:1000		DCFL		DRAWN SWKY		CHECK		DRAWING No.	
60028568		60028568		FIG A3.1b		REV		-	

LOCATIONS OF POTENTIAL DUST EMISSION SOURCES - PHASE 2