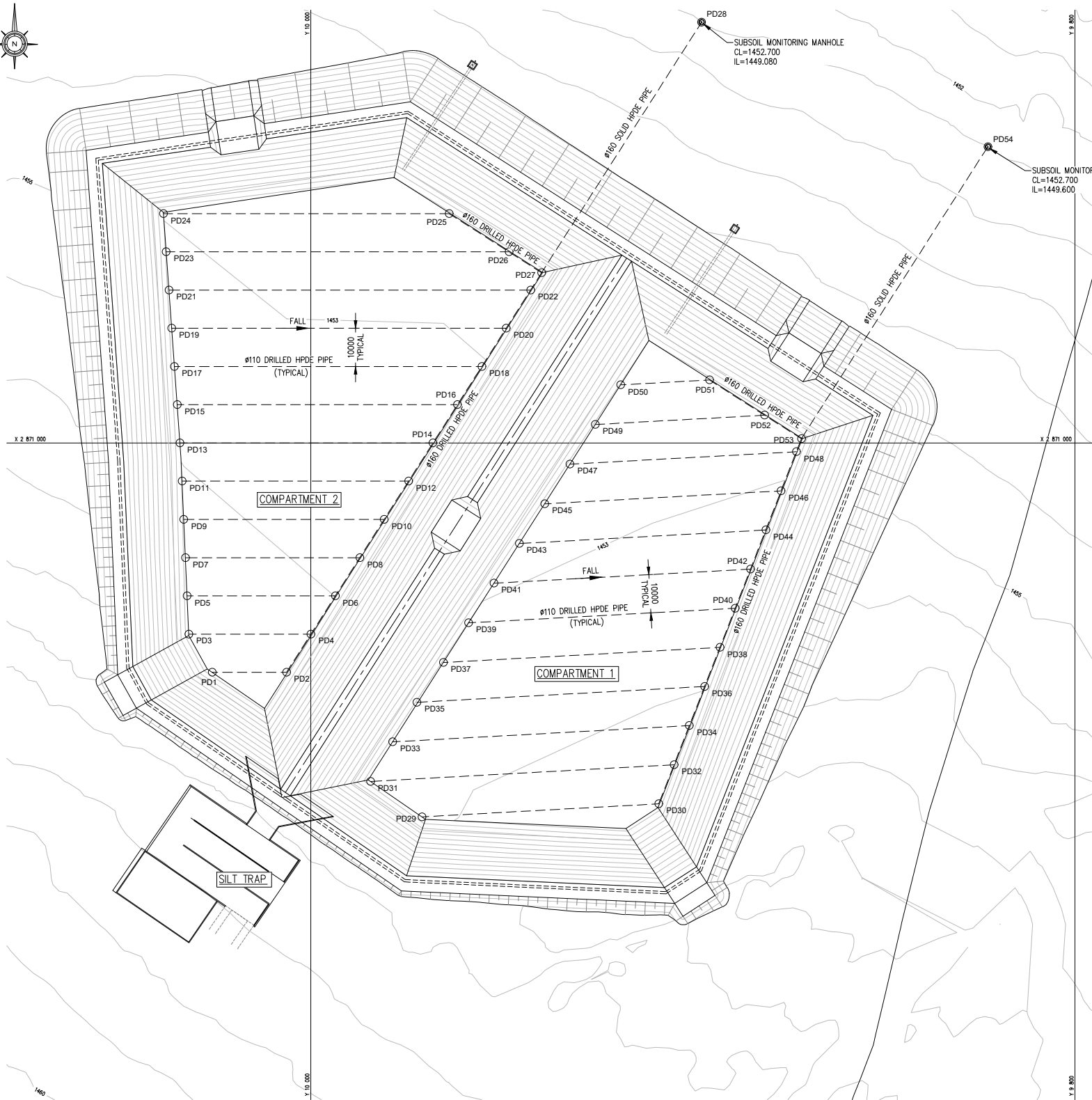




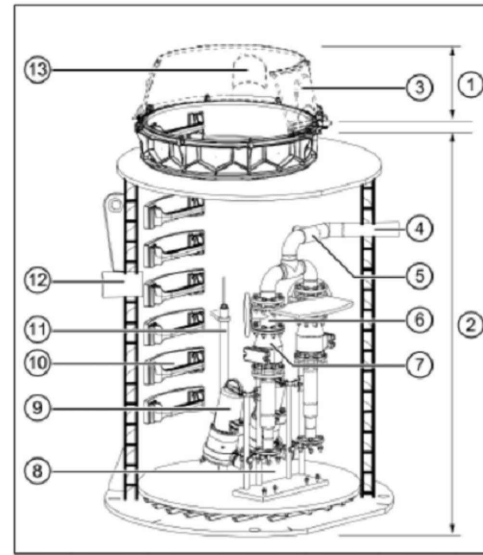
LAYOUT
1:500

SUBSOIL MONITORING / PUMPING MANHOLE NOTES:

- MANHOLE TO CONSIST OF A PRE-ASSEMBLED DRAINAGE SUMP AND PUMP ASSEMBLY
- PUMPS TO INCLUDE LIFTING CHAIN AND RAILS FOR VERTICAL LIFTING.
- MANHOLE INLET FROM DAM SUB-SOILS TO BE 1.5m ABOVE THE BASE OF THE MANHOLE.
- PUMP ASSEMBLY TO CONSIST OF A DUTY AND STANDBY PUMP, WITH SINGLE OUTLET.
- OVERFLOW OUTLET AT 100mm BELOW INLET LEVEL TO BE ALLOWED FOR
- EARTH BASE TO BE 150mm RIP AND RECOMPACT TO 95% MOD AASHTO AND 150mm LAYER OF G6 MATERIAL COMPACTED TO 95% MOD AASHTO.
- BACKFILL AROUND MANHOLE TO BE PLACED IN 150mm LAYERS OF G6 MATERIAL COMPACTED TO 95% MOD AASHTO.

System with fittings made of grey cast iron

(1)	Chamber module
(2)	Technical module
(3)	Pre-scored area for ventilation pipe DN 100
(4)	Pressure pipe connection DN 80
(5)	Flushing connection 1 1/2" inner thread
(6)	Shut-off valve made of grey cast iron
(7)	Backflow preventer with ventilation device
(8)	Base elbow
(9)	Pump
(10)	Access steps
(11)	Level measurement (level sensor)
(12)	Inlet
(13)	Pre-scored area for cable conduit



KEY PLAN
1:2500

COORDINATE LIST			
WGS 84 Log2			
SETTING OUT POINTS			
POINT	Y-COORD	X-COORD	ELEVATION
CONST:			
PD1	10025.81	2871060.00	1451.54
PD2	10006.37	2871060.00	1451.44
PD3	10031.96	2871050.00	1451.49
PD4	9999.98	2871050.00	1451.33
PD5	10032.40	2871040.00	1451.44
PD6	9993.59	2871040.00	1451.24
PD7	10032.84	2871030.00	1451.38
PD8	9987.21	2871030.00	1451.15
PD9	10033.28	2871020.00	1451.33
PD10	9980.82	2871020.00	1451.07
PD11	10033.72	2871010.00	1451.28
PD12	9974.43	2871010.00	1450.98
PD13	10034.27	2871000.00	1451.23
PD14	9968.04	2871000.00	1450.89
PD15	10034.98	2870990.00	1451.17
PD16	9961.66	2870990.00	1450.80
PD17	10035.71	2870980.00	1451.12
PD18	9955.27	2870980.00	1450.71
PD19	10036.43	2870970.00	1451.07
PD20	9948.88	2870970.00	1450.63
PD21	10037.15	2870960.00	1451.02
PD22	9942.49	2870960.00	1450.54
PD23	10037.87	2870950.00	1450.96
PD24	10038.59	2870940.00	1450.91
PD25	9963.81	2870940.00	1450.54
PD26	9948.15	2870950.00	1450.52
PD27	9939.60	2870955.47	1450.50
PD28	9897.75	2870889.94	1449.08
PD29	9970.92	2871097.81	1451.95
PD30	9908.94	2871094.41	1451.64
PD31	9984.39	2871088.53	1451.87
PD32	9904.94	2871084.17	1451.47
PD33	9978.60	2871078.20	1451.81
PD34	9900.94	2871073.94	1451.42
PD35	9972.24	2871067.84	1451.74
PD36	9896.94	2871063.71	1451.37
PD37	9965.34	2871057.44	1451.68
PD38	9892.94	2871053.47	1451.32
PD39	9958.71	2871047.07	1451.62
PD40	9888.95	2871043.24	1451.27
PD41	9952.08	2871036.69	1451.56
PD42	9884.95	2871033.00	1451.23
PD43	9945.45	2871026.31	1451.50
PD44	9880.95	2871022.77	1451.18
PD45	9938.82	2871015.93	1451.44
PD46	9878.95	2871012.53	1451.13
PD47	9932.19	2871005.55	1451.38
PD48	9872.95	2871002.30	1451.08
PD49	9925.56	2870995.17	1451.32
PD50	9918.93	2870984.79	1451.26
PD51	9895.68	2870983.52	1451.10
PD52	9881.25	2870992.74	1451.05
PD53	9871.61	2870998.89	1451.00
PD54	9822.83	2870922.52	1449.60

SUBSOIL DRAINAGE DETAILS

60YR ADF SCOPE LEGEND		KKS	PBS:	000EQ01	D.O. REV	DATE	INDEX REFERENCE	REV	CHG	BY	DATE	REV	CHG	BY	DATE	REFERENCE	REFERENCE
NAME		LABEL		ASH DISPOSAL FACILITY		DESIGN APPROVED		KPM		DATE		KUSILE POWER STATION		ASH DISPOSAL FACILITY		PCD 1A	
NOTES:		COORDINATE SYSTEM : LOG2 WGS-84		Sign: K.M. MATULOVICH		Pr. Eng. 20190729		Date: 14-02-2024		ESKOM HOLDINGS LTD.		REG. No. 2002/016027/06		Eskom		366-511854	
SCALE		1:500		SHEET		REV		1		0.1		SHEET		REV		1	