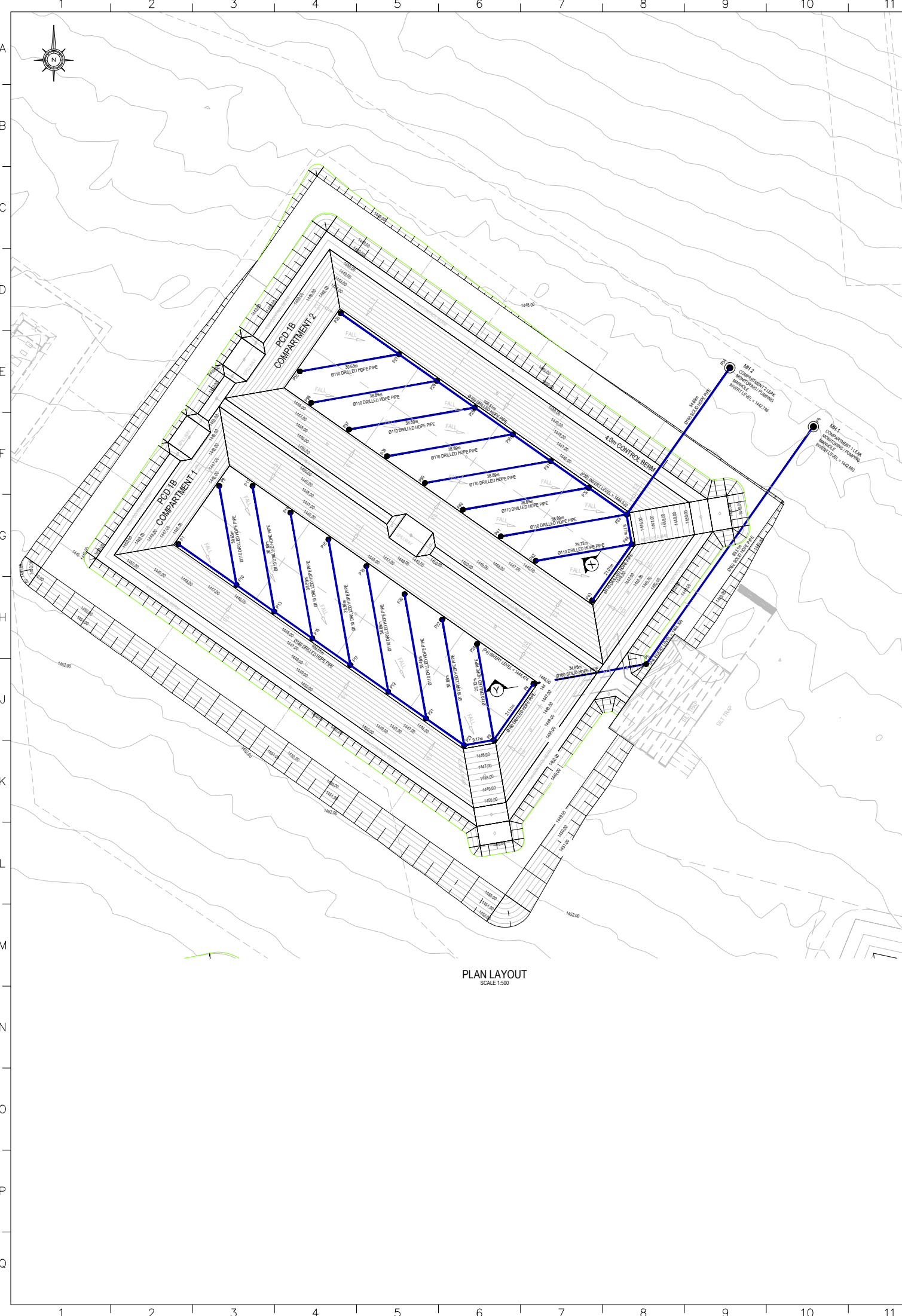
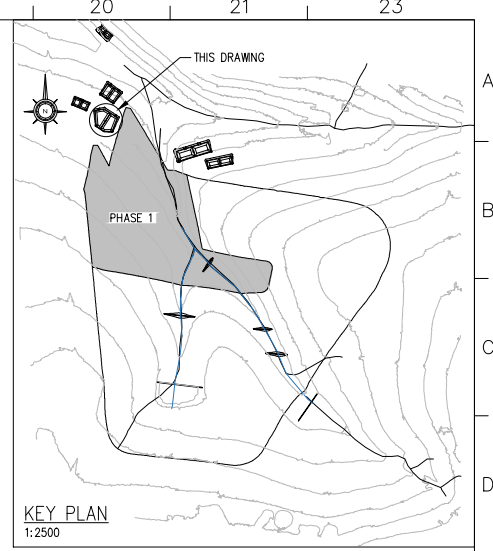
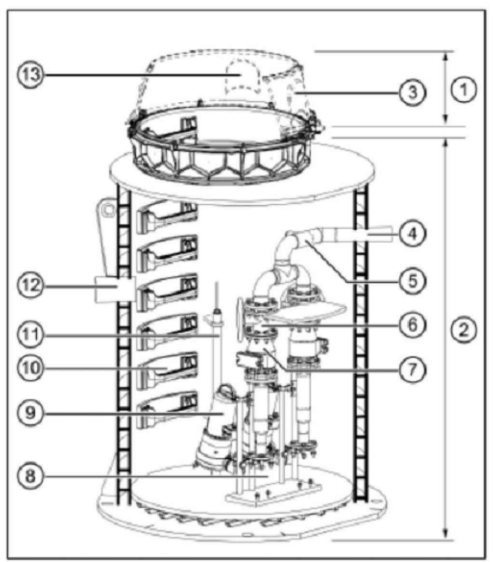




- SUBSOIL MONITORING / PUMPING MANHOLE NOTES:
- MANHOLE TO CONSIST OF A PRE-ASSEMBLED DRAINAGE SUMP AND PUMP ASSEMBLY
 - PUMPS TO INCLUDE LIFTING CHAIN AND RAILS FOR VERTICAL LIFTING.
 - MANHOLE INLET FROM DAM SUB-SOILS TO BE 1.5m ABOVE THE BASE OF THE MANHOLE.
 - PUMP ASSEMBLY TO CONSIST OF A DUTY AND 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



COORDINATE SETTING OUT POINTS			
PCD 1B SETTING OUT DATA			
POINT No.	Y - COORDINATE	X - COORDINATE	SUB-SOIL PIPE INVERT LEVEL
P			
P1	9985.446	2870773.021	1444.673
P2	9799.081	2870825.063	1444.321
P3	9889.320	2870832.778	1444.522
P4	9877.221	2870815.596	1444.554
P5	9842.884	2870809.635	1444.395
P6	9791.922	2870737.264	1444.193
P9	9972.974	2870755.309	1444.703
P10	9967.734	2870785.493	1444.642
P11	9962.823	2870755.317	1444.700
P13	9956.171	2870793.635	1444.622
P14	9951.280	2870763.459	1444.680
P15	9944.608	2870801.777	1444.602
P16	9939.697	2870771.802	1444.660
P17	9933.045	2870809.920	1444.582
P18	9928.134	2870779.744	1444.641
P19	9921.482	2870818.062	1444.562
P20	9916.498	2870788.308	1444.620
P21	9909.919	2870826.204	1444.542
P22	9905.008	2870796.029	1444.601
P23	9898.356	2870834.347	1444.522
P24	9894.403	2870803.497	1444.583
P25	9935.931	2870702.705	1444.673
P27	9918.220	2870715.177	1444.642
P28	9906.657	2870723.319	1444.622
P29	9895.094	2870731.461	1444.602
P30	9883.531	2870739.604	1444.582
P31	9871.968	2870747.746	1444.562
P32	9860.405	2870755.888	1444.542
P33	9848.842	2870764.031	1444.522
P34	9817.373	2870719.342	1444.249
P35	9948.403	2870720.416	1444.703
P36	9944.975	2870729.971	1444.700
P37	9933.412	2870738.119	1444.680
P38	9931.849	2870746.265	1444.660
P39	9910.286	2870754.398	1444.641
P40	9898.723	2870762.540	1444.621
P41	9887.160	2870770.682	1444.601
P42	9875.595	2870778.150	1444.583
P43	9869.372	2870790.349	1444.554
P44	9847.273	2870773.067	1444.522

60YR ADF SCOPE LEGEND

NAME	LABEL
	ASH DISPOSAL FACILITY
	NOTES:
	COORDINATE SYSTEM: L029 WGS-84
	Sign: K.M. MATULOVICH
	Pr. Eng. 20190729
	Date: 14-02-2024

KKS	PBS:	000EQ01
D.O.	REV	DATE
DESIGN	APPROVED	06/10/23
KKS	APP	06/10/23
AUTH	BY	06/10/23
CHKD	BY	06/10/23
DRAWN	BY	06/10/23
SCALE		1:5000

KUSILE POWER STATION
ASH DISPOSAL FACILITY
SUBSOIL DRAINAGE LAYOUT
AND DETAILS - PCD 1B

366-511858

1 0.1

REV	CHG	BY	DATE	REV	CHG	BY	DATE
A	1	06/10/2023	ISSUED FOR CONSTRUCTION	KPM	BLJ	KPM	
B	1	11/10/2023	ISSUED FOR CONSTRUCTION	KPM	BLJ	KPM	
C	1	11/10/2023	ISSUED FOR CLIENT REVIEW	KPM	BLJ	KPM	
A	1	06/10/2023	ISSUED FOR INTERNAL REVIEW	KPM	BLJ	KPM	

REV	CHG	BY	DATE	REV	CHG	BY	DATE
A	1	06/10/2023	ISSUED FOR CONSTRUCTION	KPM	BLJ	KPM	
B	1	11/10/2023	ISSUED FOR CONSTRUCTION	KPM	BLJ	KPM	
C	1	11/10/2023	ISSUED FOR CLIENT REVIEW	KPM	BLJ	KPM	
A	1	06/10/2023	ISSUED FOR INTERNAL REVIEW	KPM	BLJ	KPM	

ESKOM HOLDINGS LTD.
REG. No. 2002/016027/06