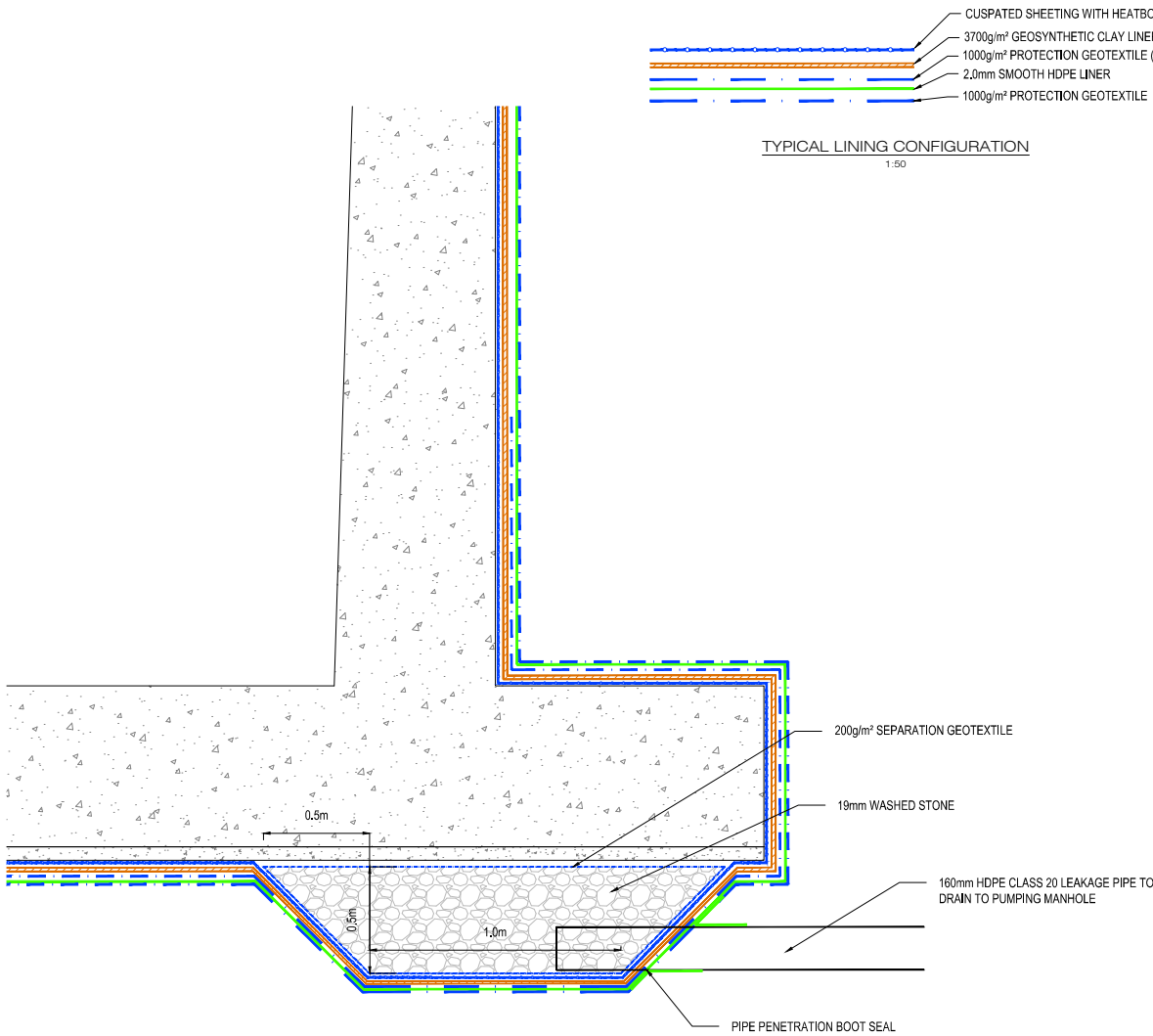




TYPICAL LEAKAGE DETECTION SUMP DETAIL

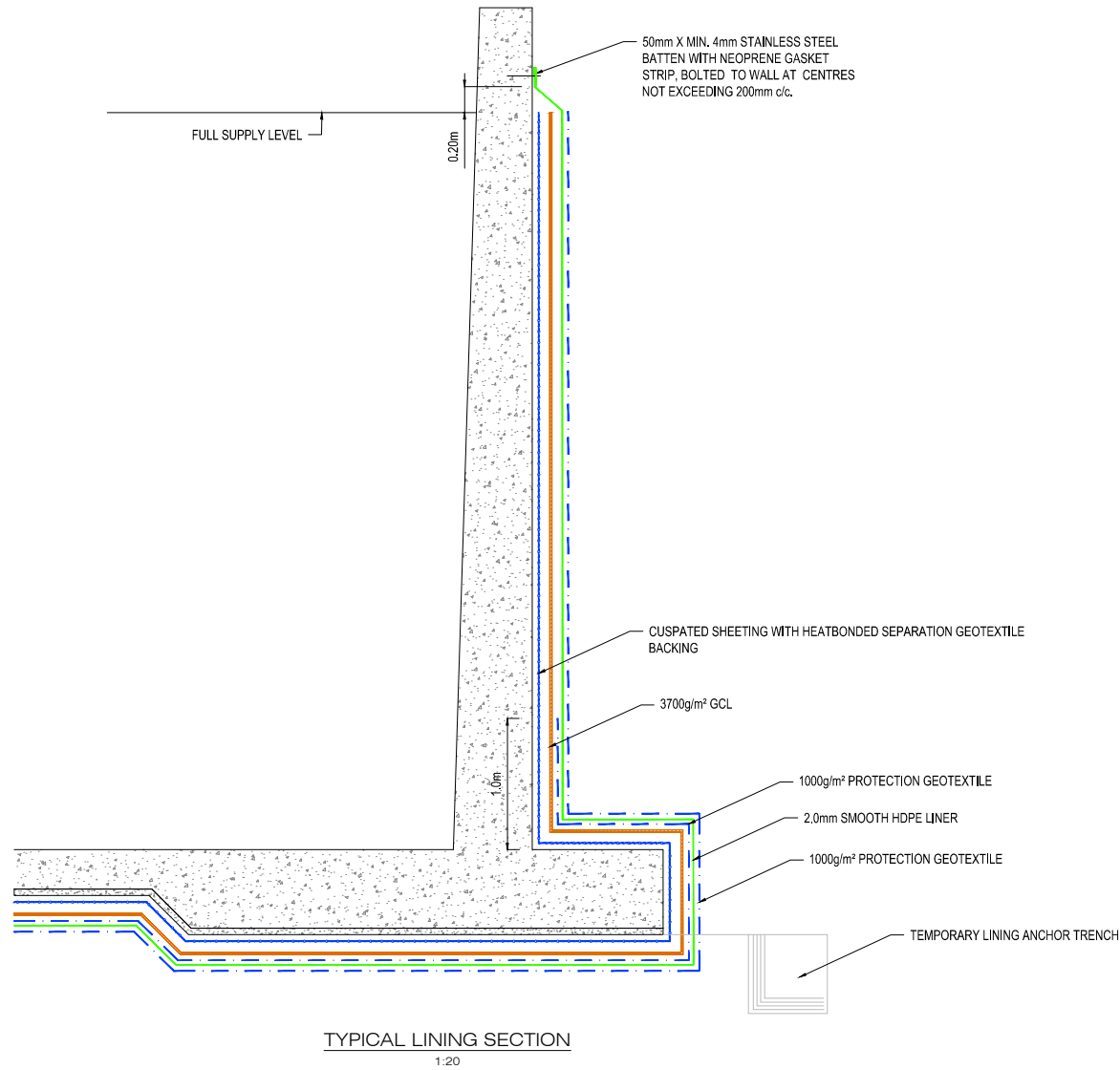
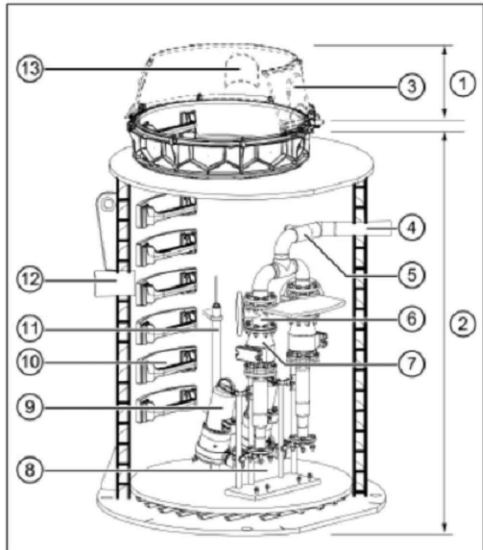
1:10

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



60YR ADF SCOPE LEGEND		KKS	PBS: 00UEQ01	D.O. REV		DATE	INDEX REFERENCE :	D.O. REV		DATE	INDEX REFERENCE :	REV		CHG	BY	APP	REV	CHG	BY	APP	REFERENCE	REFERENCE
NAME		LABEL	ASH DISPOSAL FACILITY	DESIGN APPROVED		08/10/23	KPM	DESIGN BY		08/10/23	KPM	AUTH BY		08/10/23	BLJ	DRAWN BY		08/10/23	KPM	SCALE		1:5000
NOTES:		COORDINATE SYSTEM: L029 WGS-84		SIGNATURE		K.P. MATULOVICH		Pr. Eng. 20190729		Date: 14-02-2024		Eskom Holdings Ltd.		REG. No. 2002/015627/06		366-511875		SHEET		REV		1 0.1

KUSILE POWER STATION
ASH DISPOSAL FACILITY
ROAD PCD LINING DETAILS



366-511875

SHEET
REV
1 0.1