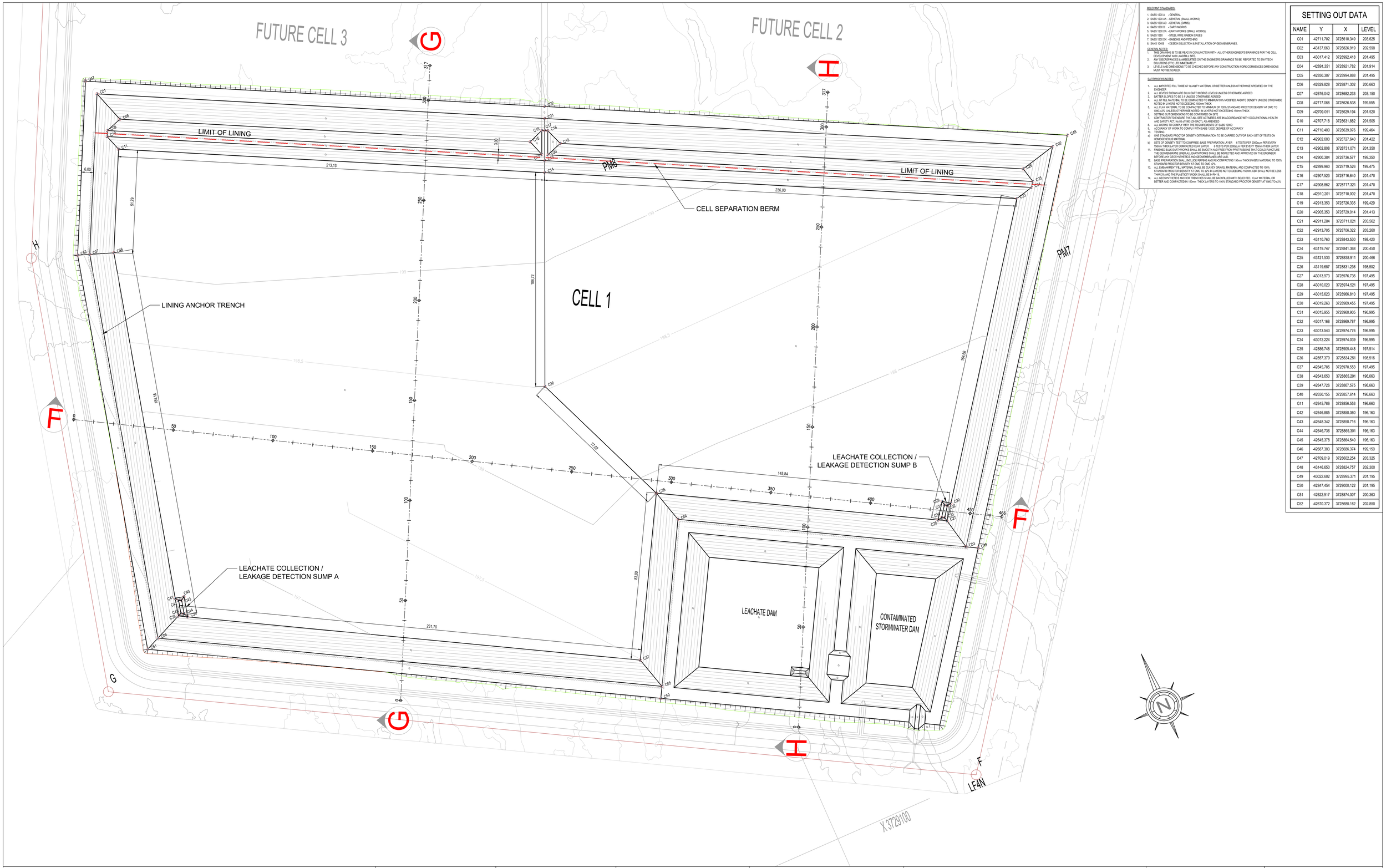

RELEVANT STANDARDS:

1. SABS 1200 A - GENERAL
2. SABS 1200 AA - GENERAL (SMALL WORKS)
3. SABS 1200 AD - GENERAL (DAMS)
4. SABS 1200 D - EARTHWORKS
5. SABS 1200 DA - EARTHWORKS (SMALL WORKS)
6. SABS 1060 - STEEL WIRE GABION CAGES
7. SABS 1200 DK - GABIONS AND PITCHING
8. SANS 10409 - DESIGN SELECTION & INSTALLATION OF GEOMEMBRANES.

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEER'S DRAWINGS FOR THE CELL DEVELOPMENT AND LANDFILL SITE.
2. ANY DISCREPANCIES & AMBIGUITIES ON THE ENGINEERS DRAWINGS TO BE REPORTED TO ENVITECH SOLUTIONS (PTY) LTD IMMEDIATELY.
3. LEVELS AND DIMENSIONS TO BE CHECKED BEFORE ANY CONSTRUCTION WORK COMMENCES DIMENSIONS MUST NOT BE SCALED.

EARTHWORKS NOTES

1. ALL IMPORTED FILL TO BE G7 QUALITY MATERIAL OR BETTER UNLESS OTHERWISE SPECIFIED BY THE ENGINEER
2. ALL LEVELS SHOWN ARE BULK EARTHWORKS LEVELS UNLESS OTHERWISE AGREED
3. BATTER SLOPES TO BE 3:1 UNLESS OTHERWISE AGREED
4. ALL G7 FILL MATERIAL TO BE COMPACTED TO MINIMUM 93% MODIFIED AASHTO DENSITY UNLESS OTHERWISE STATED IN THE GEOTECHNICAL INVESTIGATION REPORT
5. ALL CLAY MATERIAL TO BE COMPACTED TO MINIMUM OF 100% STANDARD PROCTOR DENSITY AT OMC TO OMC ±2% UNLESS OTHERWISE NOTED IN LAYERS NOT EXCEEDING 150mm THICK
6. SETTING OUT DIMENSIONS TO BE CONFIRMED ON SITE
7. CONTRACTOR TO ENSURE THAT ALL SITE ACTIVITIES ARE IN ACCORDANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT, No 85 of 1993 (OHSACT), AS AMENDED
8. ALL WORKS TO COMPLY WITH THE REQUIREMENTS OF SABS 1200D
9. ACCURACY OF WORK TO COMPLY WITH SABS 1200D DEGREE OF ACCURACY
10. TESTING
11. ONE STANDARD PROCTOR DENSITY DETERMINATION TO BE CARRIED OUT FOR EACH SET OF TESTS ON HOMOGENEOUS MATERIAL.
12. FIELD DENSITY TESTS TO COMPRISE: BASE PREPARATION LAYER - 6 TESTS PER 2000sq.m PER EVERY 150mm THICK LAYER COMPACTED CLAY LAYER - 6 TESTS PER 2000sq.m PER EVERY 150mm THICK LAYER
13. FINISHED BULK EARTHWORKS SHALL BE SMOOTH AND FREE FROM PROTRUSIONS THAT COULD PUNCTURE THE GEOMEMBRANE LINER ALL EARTHWORKS SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY GEOSYNTHETICS AND GEOMEMBRANES ARE LAID.
14. BASE PREPARATION SHALL INCLUDE RIPPING AND RE-COMPACTING 150mm THICK IN-SITU MATERIAL TO 100% STANDARD PROCTOR DENSITY AT OMC TO OMC ±2%
15. ALL EMBANKMENT FILL MATERIAL SHALL BE CLAYEY GRAVEL MATERIAL AND COMPACTED TO 100% STANDARD PROCTOR DENSITY AT OMC TO ±2% IN LAYERS NOT EXCEEDING 150mm, CBR SHALL NOT BE LESS THAN 3% AND THE PLASTICITY INDEX SHALL BE 8<PI<18.
16. ALL GEOSYNTHETICS ANCHOR TRENCHES SHALL BE BACKFILLED WITH SELECTED, CLAY MATERIAL OR BETTER AND COMPACTED IN 150mm THICK LAYERS TO 100% STANDARD PROCTOR DENSITY AT OMC TO ±2%

SETTING OUT DATA

NAME	Y	X	LEVEL
C01	-42711.702	3728610.349	203.625
C02	-43137.663	3728826.919	202.598
C03	-43017.412	3728992.418	201.495
C04	-42891.351	3728921.782	201.914
C05	-42850.387	3728994.888	201.495
C06	-42629.828	3728871.302	200.663
C07	-42676.042	3728682.233	203.150
C08	-42717.066	3728626.538	199.555
C09	-42709.051	3728629.194	201.520
C10	-42707.718	3728631.882	201.505
C11	-42710.400	3728639.976	199.464
C12	-42902.680	3728727.640	201.422
C13	-42902.808	3728731.071	201.350
C14	-42900.384	3728736.577	199.350
C15	-42899.960	3728719.526	199.475
C16	-42907.523	3728716.640	201.470
C17	-42908.862	3728717.321	201.470
C18	-42910.201	3728718.002	201.470
C19	-42913.353	3728726.335	199.429
C20	-42905.353	3728729.014	201.413
C21	-42911.284	3728711.821	203.562
C22	-42913.705	3728706.322	203.260
C23	-43110.760	3728843.530	198.420
C24	-43119.747	3728841.368	200.450
C25	-43121.533	3728838.911	200.466
C26	-43119.687	3728831.236	198.502
C27	-43013.973	3728976.736	197.495
C28	-43010.020	3728974.521	197.495
C29	-43015.623	3728966.810	197.495
C30	-43019.263	3728969.455	197.495
C31	-43015.955	3728968.905	196.995
C32	-43017.168	3728969.787	196.995
C33	-43013.543	3728974.776	196.995
C34	-43012.224	3728974.039	196.995
C35	-42886.748	3728905.448	197.914
C36	-42857.379	3728834.251	198.516
C37	-42845.785	3728978.553	197.495
C38	-42643.650	3728865.291	196.663
C39	-42647.726	3728867.575	196.663
C40	-42650.155	3728857.614	196.663
C41	-42645.786	3728856.553	196.663
C42	-42646.885	3728858.360	196.163
C43	-42648.342	3728858.716	196.163
C44	-42646.736	3728865.301	196.163
C45	-42645.378	3728864.540	196.163
C46	-42687.383	3728686.374	199.150
C47	-42709.019	3728602.254	203.325
C48	-43146.650	3728824.757	202.300
C49	-43022.682	3728995.371	201.195
C50	-42847.454	3729000.122	201.195
C51	-42622.917	3728874.307	200.363
C52	-42670.372	3728680.162	202.850

AMENDMENTS			
NO.	DATE	APPROVED	DESCRIPTION
A	18-01-2023	KPM	ISSUED FOR APPROVAL
0	27-06-2023	KPM	ISSUED FOR TENDER

DESIGNED: KPM
DESIGN CHECKED: GF
DRAWN: KPM
DRAWING CHECKED: GF
ENGINEER DATE:
CLIENT DATE:

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CLIENT
CAPE WINELANDS DISTRICT
MUNICIPALITY • MUNISIPALITEIT • UMASIPALA

CONSTRUCTION OF THE CAPE WINELANDS DISTRICT MUNICIPALITY'S REGIONAL LANDFILL SITE - ERF 4014, WORCESTER

CELL 1 EXCAVATION LAYOUT PLAN

SCALE: 1:600
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