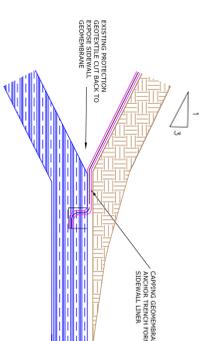


PHASE REFERENCE	WASTE CATEGORY	BASAL ENGINEERING	SIDEWALL ENGINEERING	LEACHATE DRAINAGE SYSTEM	CAPPING SYSTEM
CELL 1	NON-HAZARDOUS	COMPLETE (REFER TO ESID6A)	COMPLETE (REFER TO ESID6A)	COMPLETE (REFER TO ESID6A)	- 100MM RESTORATION SOILS - GEOTEXTILE PROTECTION LAYER - 1MM LDPE - GEOTEXTILE PROTECTION LAYER
CELL 2	NON-HAZARDOUS	COMPLETE (REFER TO ESID6A)	- 1M ENGINEERED MINERAL LINER (COMPACTED CLAY $5.5 \times 3 \times 0.75$) - 2mm HDPE - EXPANDED POLYETHYLENE WITH GEOTEXTILE	COMPLETE (REFER TO ESID6A)	- 100MM RESTORATION SOILS - GEOTEXTILE PROTECTION LAYER - 1MM LDPE - GEOTEXTILE PROTECTION LAYER
CELL 3	NON-HAZARDOUS	COMPLETE (REFER TO ESID6A)	- 1M ENGINEERED MINERAL LINER (COMPACTED CLAY $5.5 \times 3 \times 0.75$) - 2mm HDPE - EXPANDED POLYETHYLENE WITH GEOTEXTILE	COMPLETE (REFER TO ESID6A)	- 100MM RESTORATION SOILS - GEOTEXTILE PROTECTION LAYER - 1MM LDPE - GEOTEXTILE PROTECTION LAYER

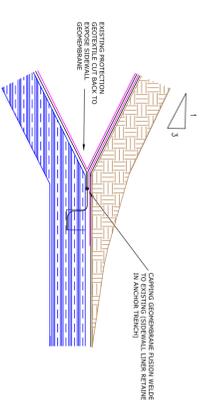
ENGINEERING DETAILS FOR PROPOSED OPERATIONAL AREAS



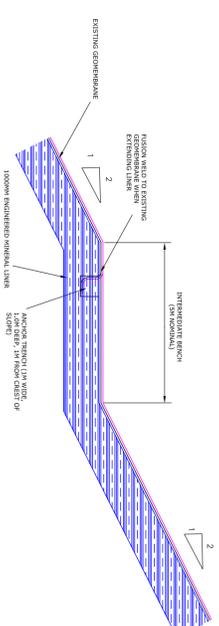
TYPICAL CAPPING DETAIL (N.T.S.)



TYPICAL CAPPING / SIDEWALL LINER (MINERAL ONLY) CONNECTION DETAIL (SECTION A-A') (SCALE 1:100)



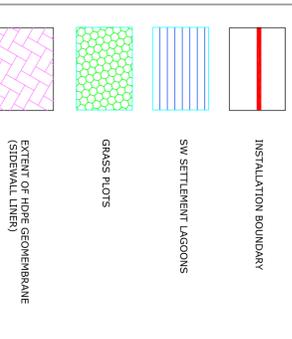
TYPICAL CAPPING / SIDEWALL LINER (GEOMEMBRANE) CONNECTION DETAIL (SECTION B-B') (SCALE 1:100)



TYPICAL BASAL AND SIDE LINER DETAIL - CELLS 2 & 3 (SECTION C-C') (SCALE 1:100)

- NOTES
1. REPRODUCED FROM THE ORIGINAL SURVEY 1:50 000. FOR THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONARY OFFICE. © CROWN COPYRIGHT. LICENCE NUMBER AL506044.
 2. FOR DETAILS OF SITE INFRASTRUCTURE AREA SEE DAG ESID6A.
 3. PROTECTION GEOTEXTILE MAY BE REPLACED WITH UPPER AND LOWER PROTECTION LAYERS.

LEGEND



REV.	DESCRIPTION	DATE

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 DN4 5NU

JOB TITLE
 DRAWING TITLE
**PEN-Y-BONT LANDFILL SITE
 PPC PERMIT APPLICATION
 INSTALLATION DETAILS
 PROPOSED**

SCALE AS SHOWN A1
 SHEET WR4446/ESID6B
 REVISION

DATE	BY	CHKD	APP'D	DATE	BY	CHKD	APP'D
9/11/04	S.W.	D.C.	S.W.	9/11/04	S.W.	D.C.	S.W.