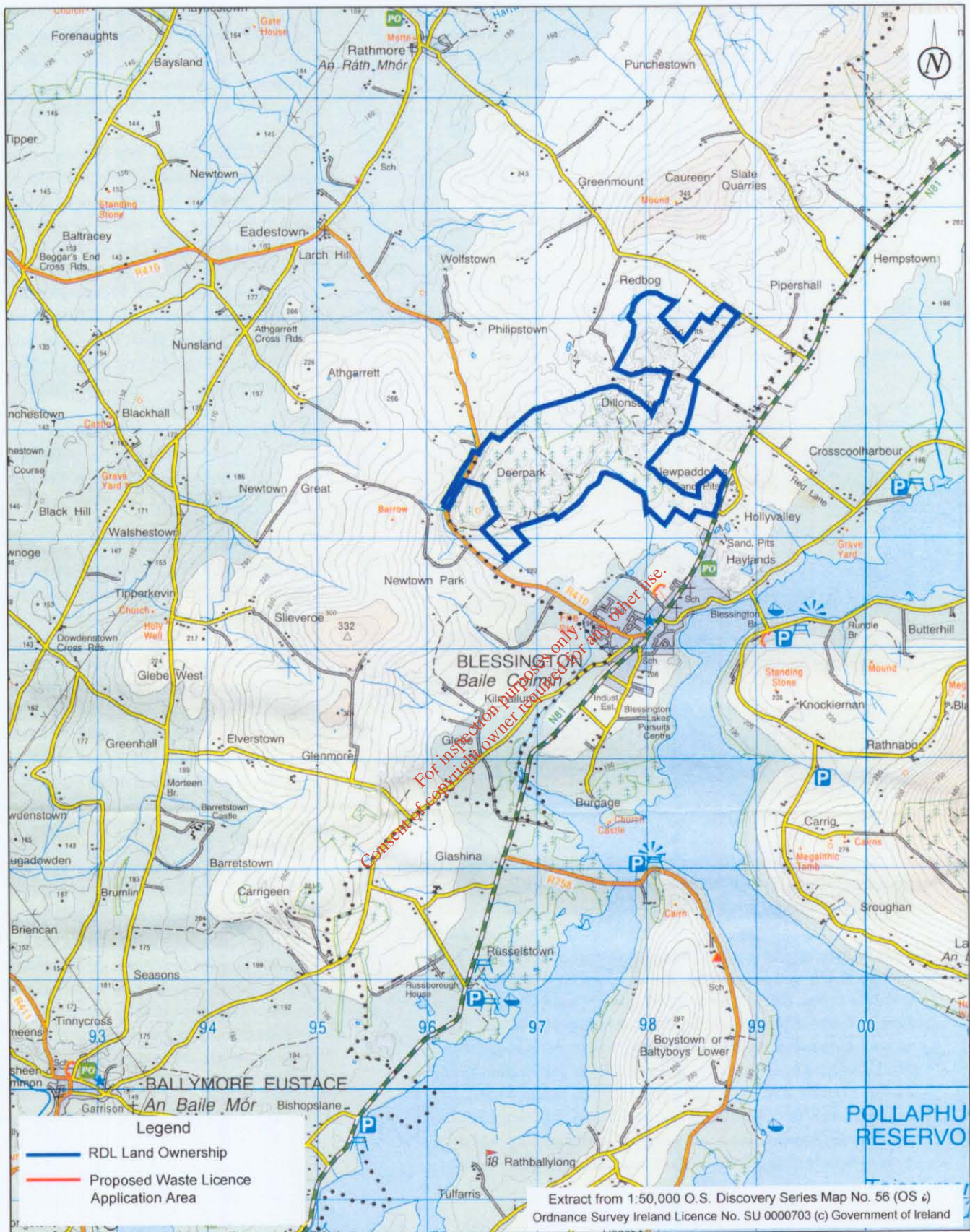


DRAWINGS

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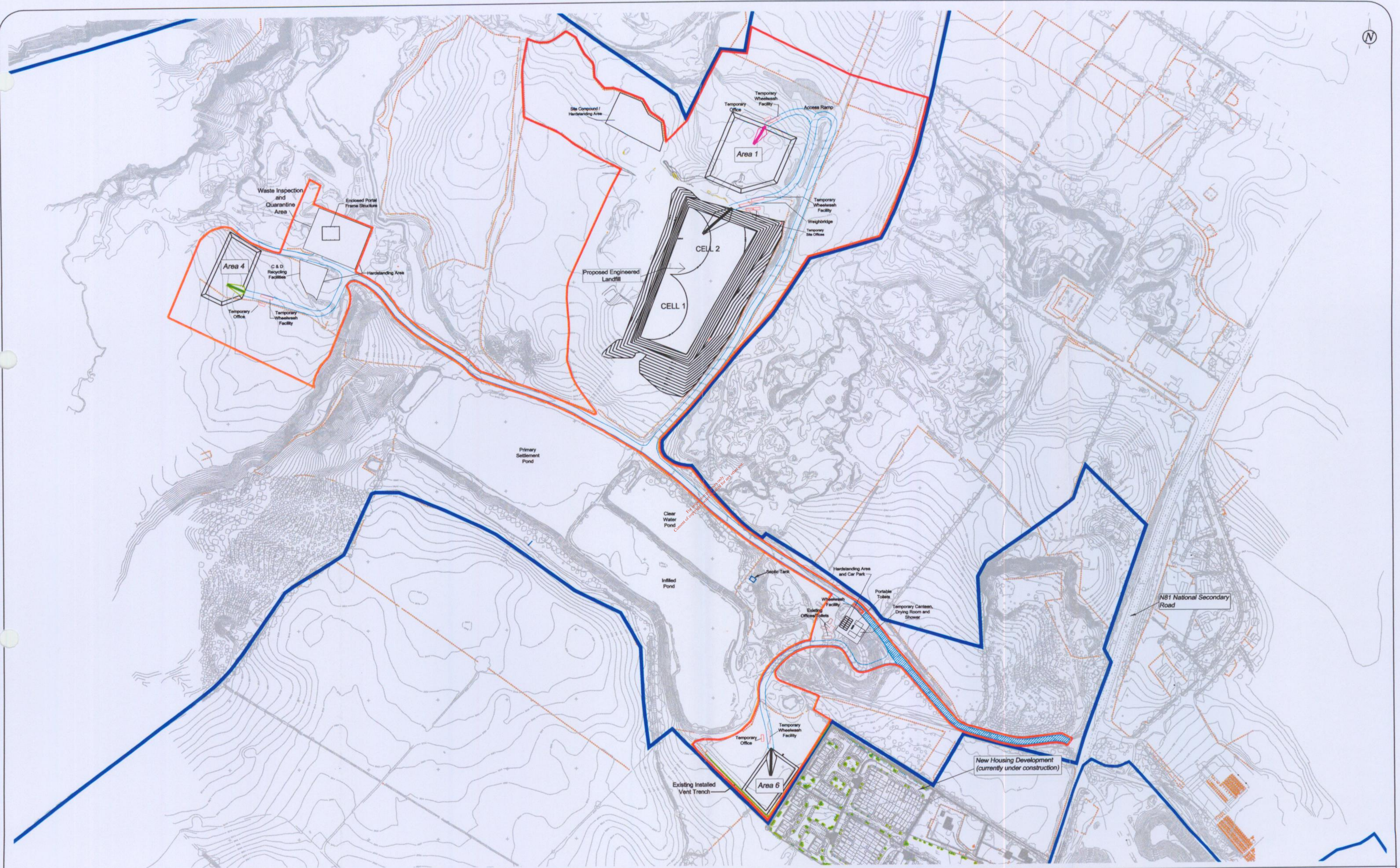


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Site:	Lands at Blessington, Co. Wicklow	
Project:	Remediation of Unauthorised Landfill Sites	
Title:	Site Location	
Drawn: SMD/PM	Scale: 1: 50,000	DO 1
Job. No: 2901/10	Date: Dec 2004	



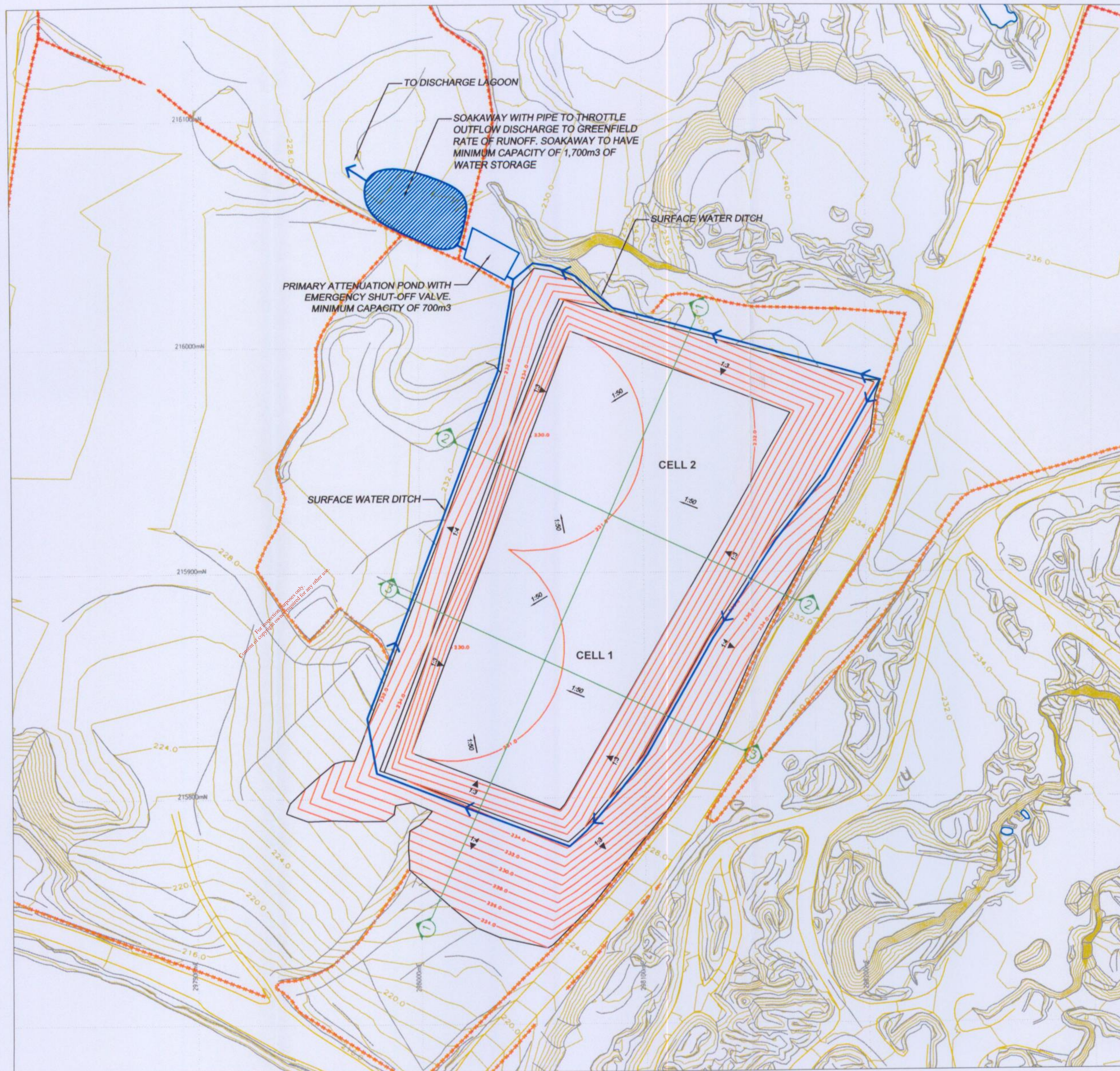
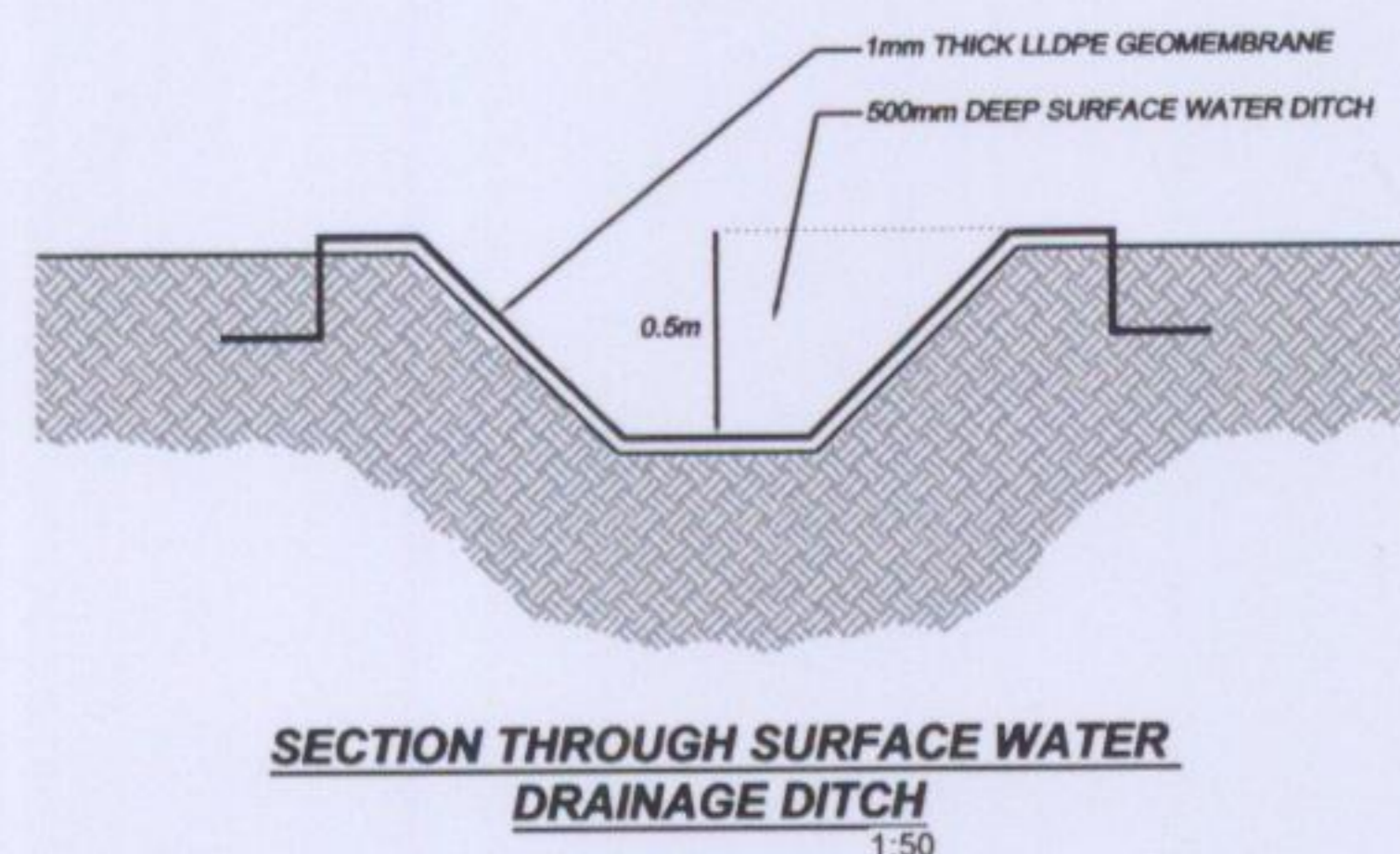
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 DUBLIN 14

SLR
 Roadstone Landholding Boundary
 Waste Licence Application Area

Rev.	Date	By	Description
0	Dec 03	PM	

Site: Lands at Blessington, Co. Wicklow
 Project: Remediation of Unauthorised Landfill Sites
 Title: Site Infrastructure Layout
 Drawn: JC/PM
 Scale: 1:5000
 Job. No: 2901/10
 Date: Dec 2004
DO2



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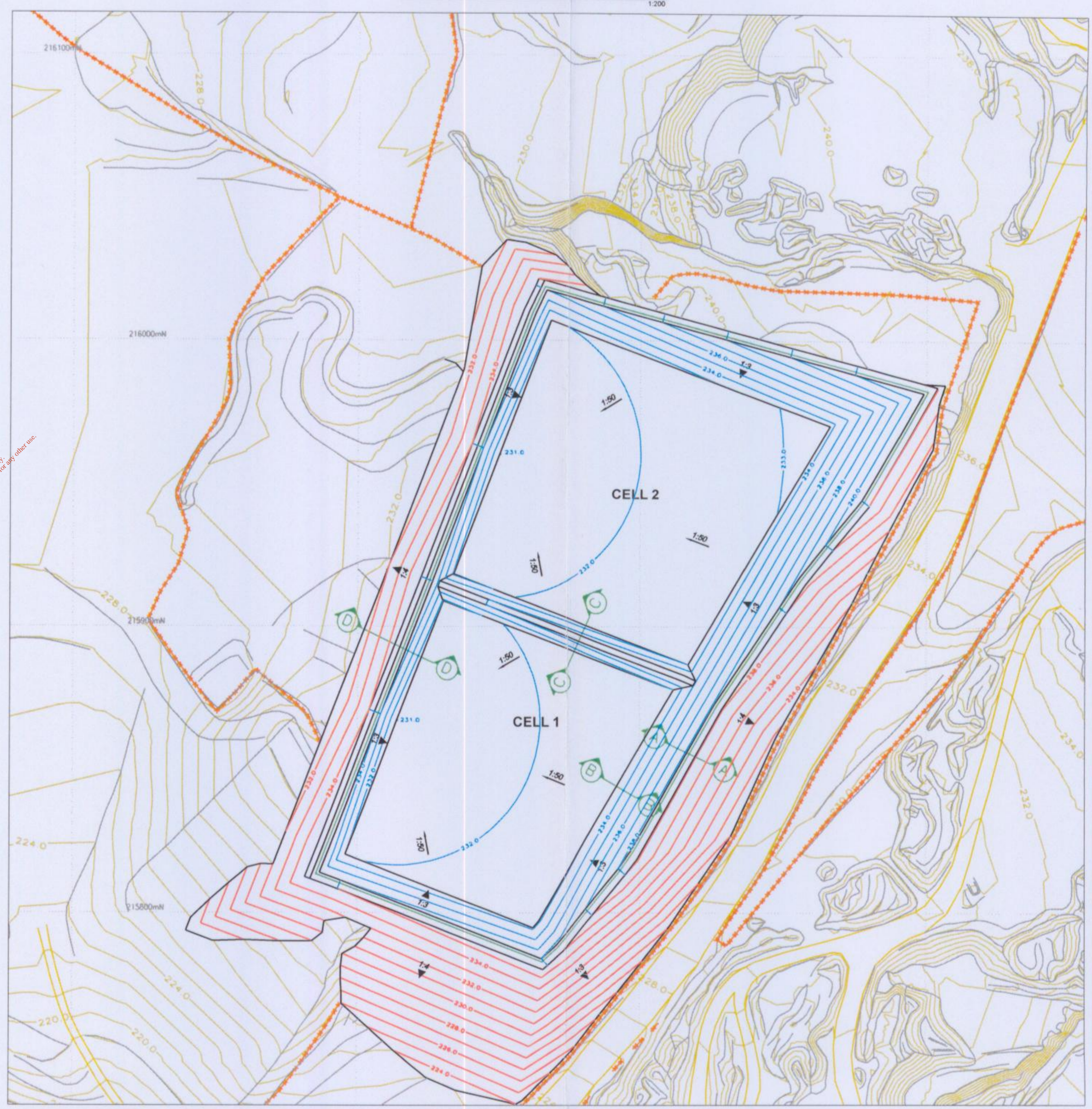
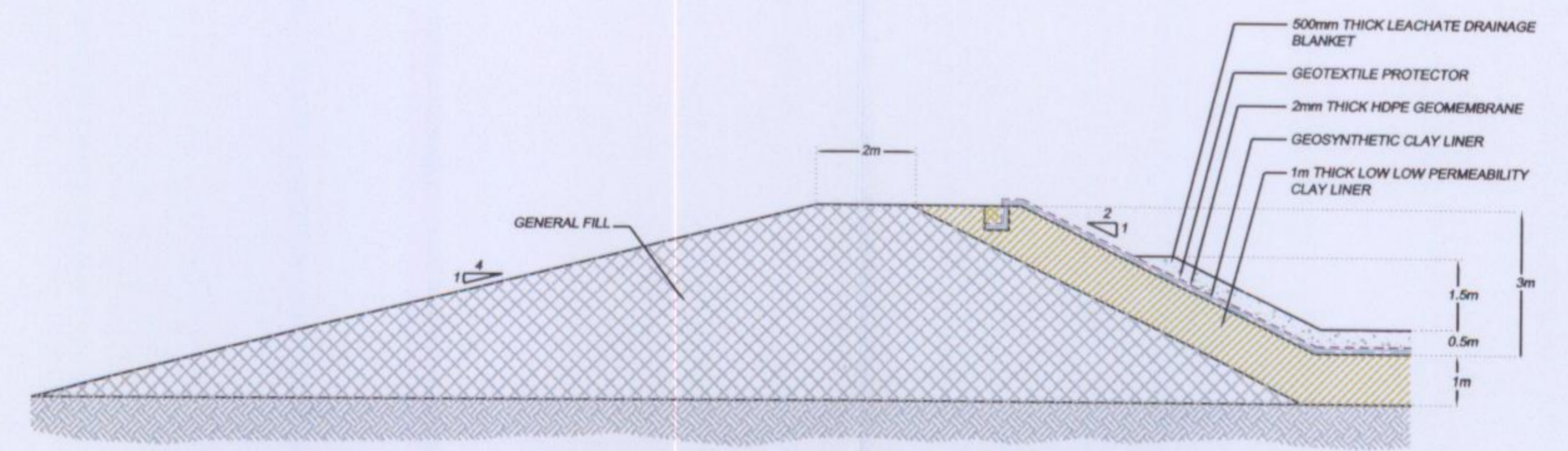
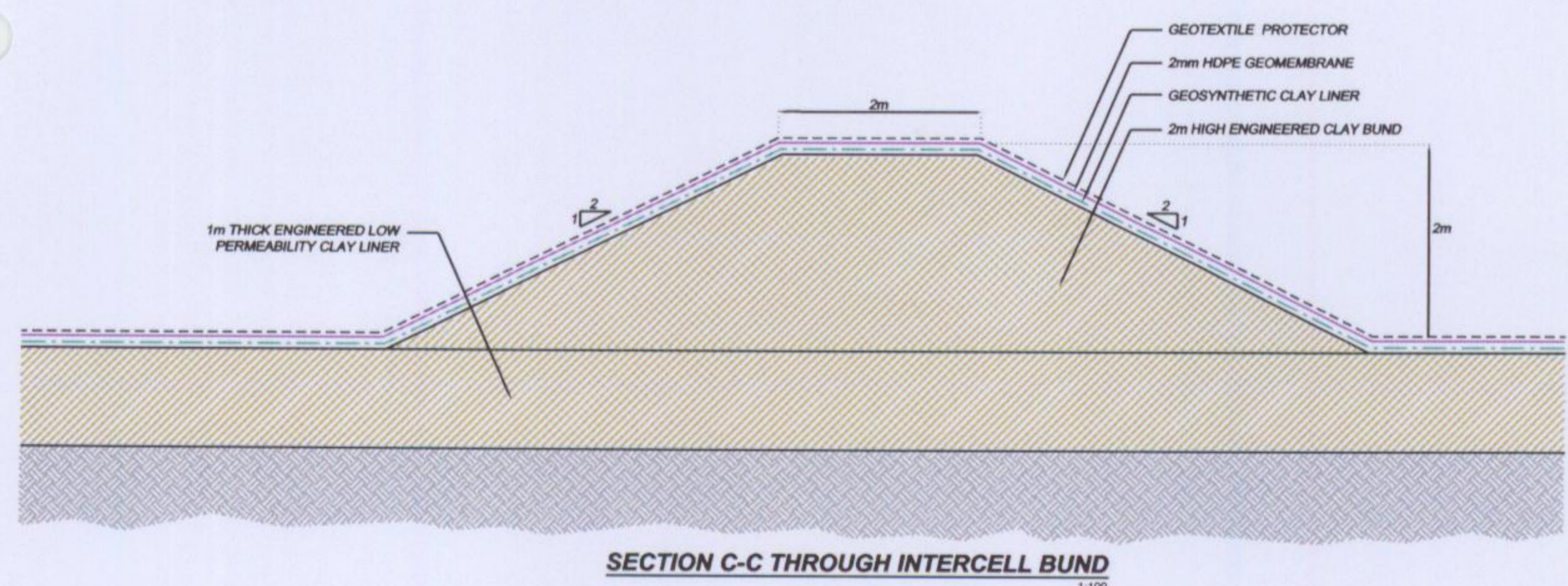
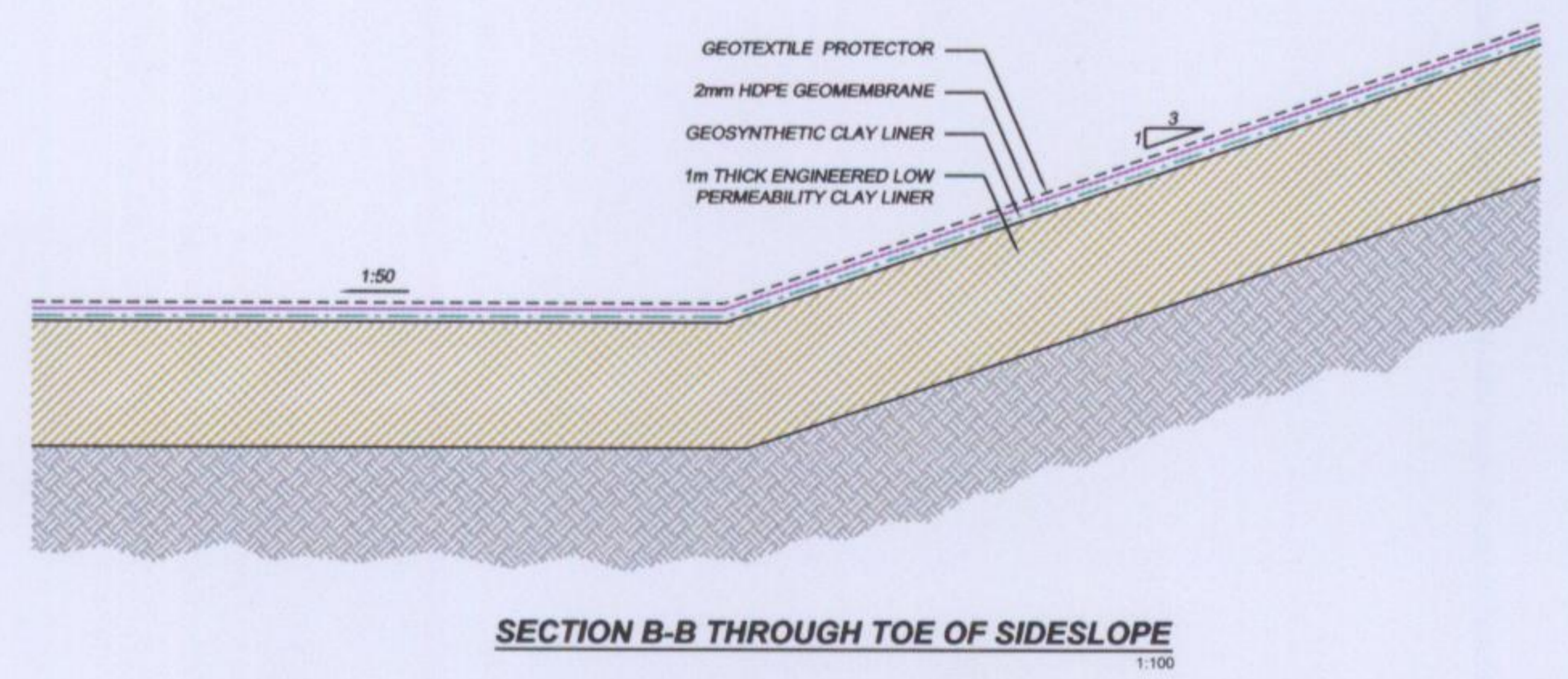
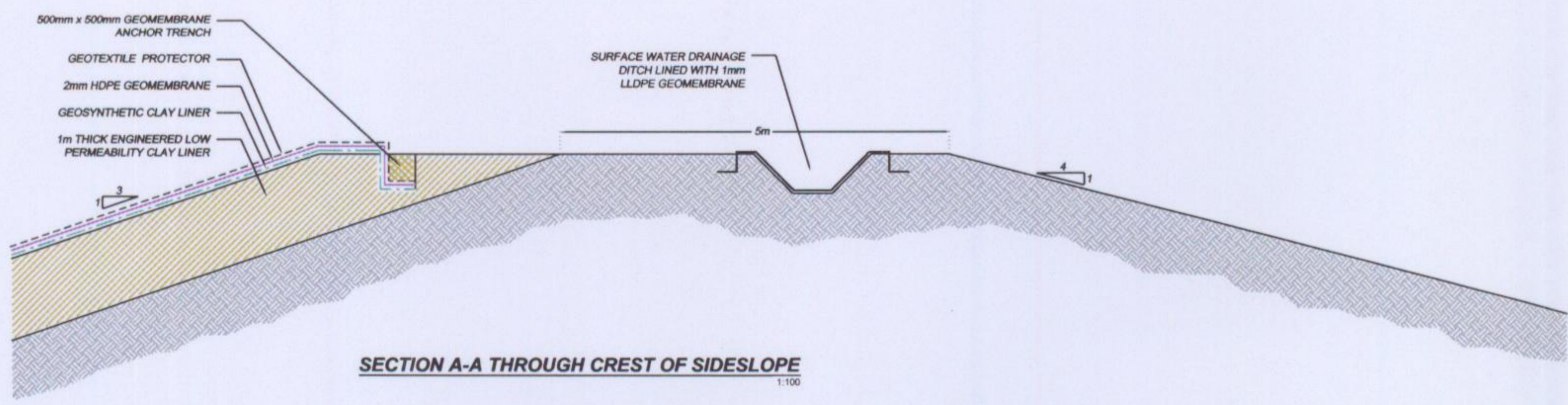


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WINDY ARBOUR
DUBLIN 14

- 237.0 — EXISTING GROUND CONTOURS
- 235.0 — FORMATION CONTOURS
- 235.0 — TOP OF CLAY LINER CONTOURS
- 236.0 — TEMPORARY WASTE CONTOURS
- 236.0 — FINAL RESTORATION CONTOURS
- ACCESS POINT TO LEACHATE RECIRCULATION SYSTEM
- LEACHATE RECIRCULATION TRENCH

Rev.	Date	By	Description
2	April 04	PM	Contour Correction
1	Dec 03	PM	Cell Layout Revised
0	Jul 03	SMD	Cell Layout Revised

Site:	Lands at Blessington, Co. Wicklow		
Project:	Remediation of Unauthorised Landfill Sites		
Title:	Engineered Landfill : Basal Liner Formation Levels		
Drawn:	JC/PM	Scale:	1:2,000
Job. No:	2901/10	Date:	Dec 2004
			DO3



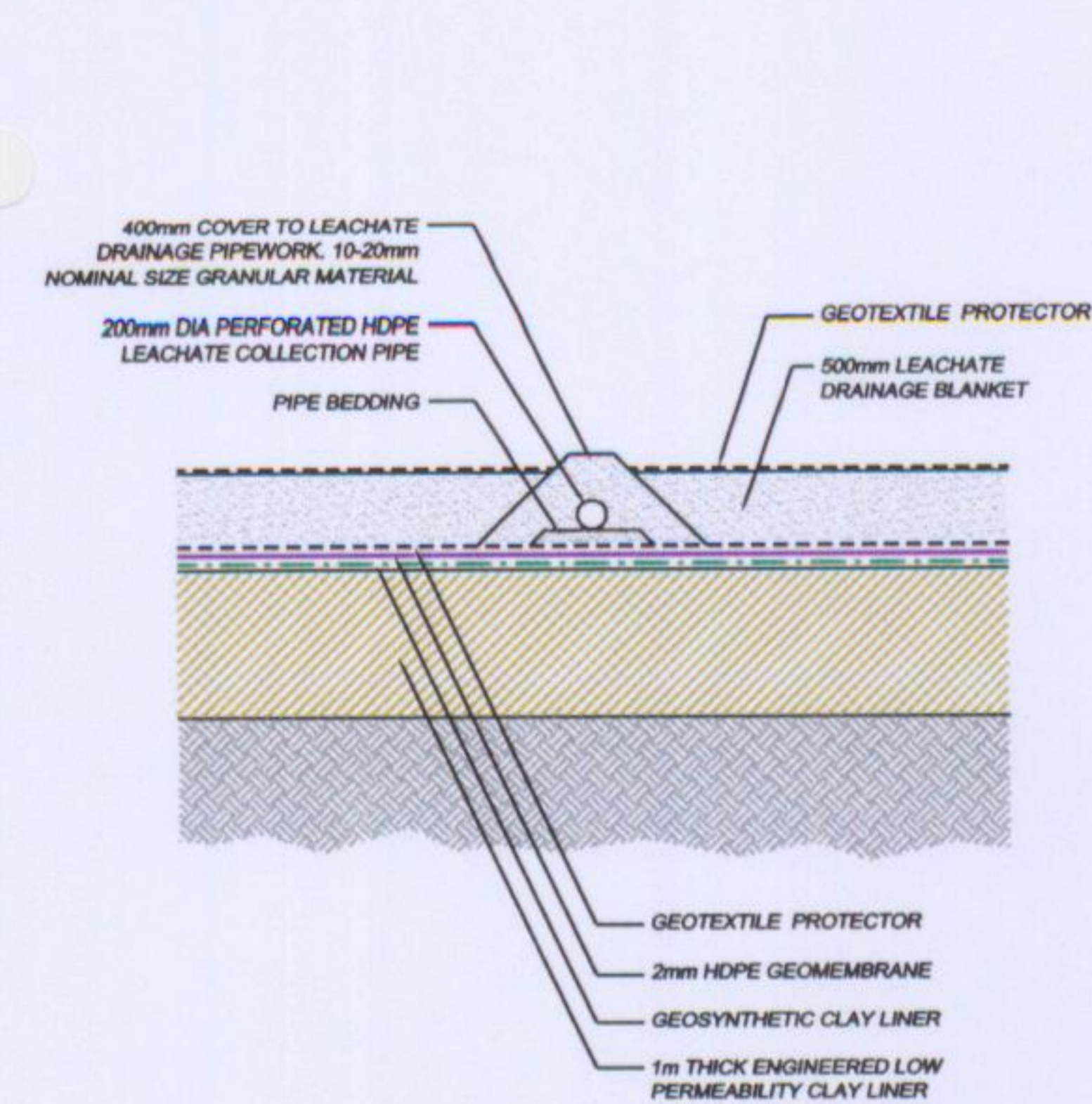
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DUBLIN 14

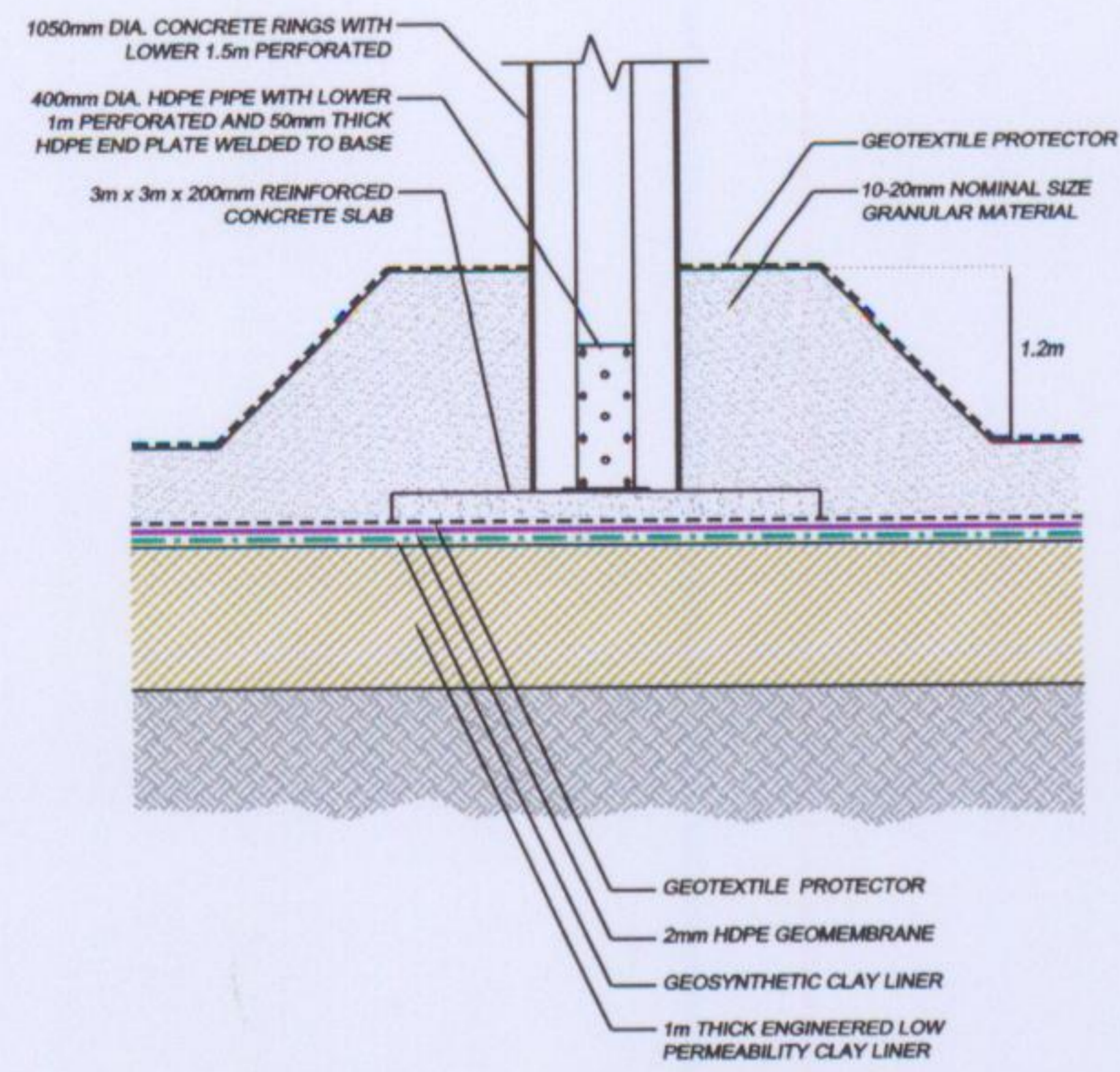
— 237.0 —	EXISTING GROUND CONTOURS
— 235.0 —	FORMATION CONTOURS
— 236.0 —	TOP OF CLAY LINER CONTOURS
— —	GEOMEMBRANE ANCHOR TRENCH

Rev.	Date	By	Description
2	April 04	PM	Contour Correction
1	Dec 03	PM	Cell Layout Revised
0	Jul 03	SMD	Cell Layout Revised

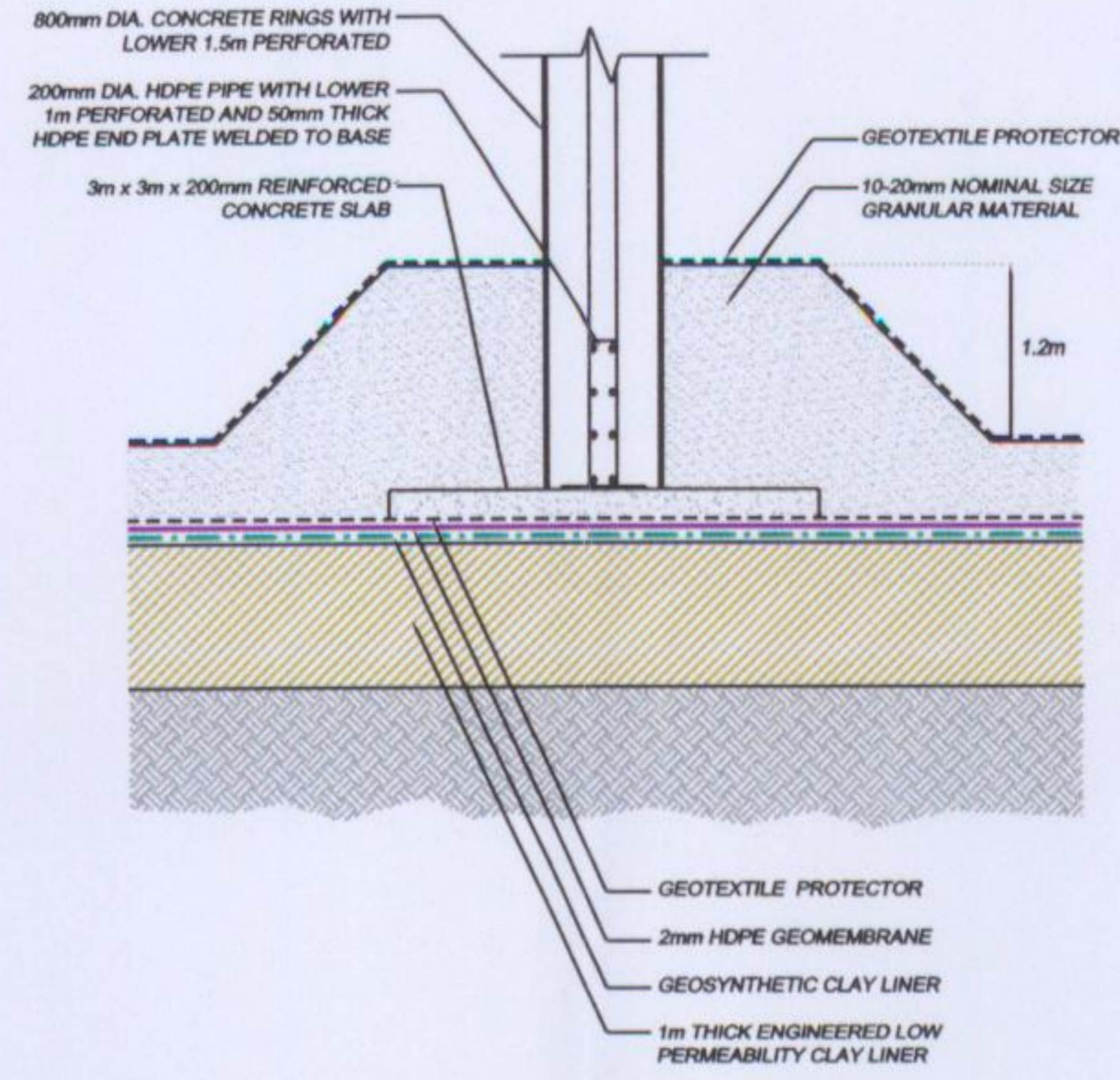
Site:	Lands at Blessington, Co. Wicklow
Project:	Remediation of Unauthorised Landfill Sites
Title:	Engineered Landfill : Bund Construction Details / Top of Liner Level
Drawn:	JC/PM
Scale:	1:2,000
Job. No.:	2901/10
Date:	Dec 2004
DO4	



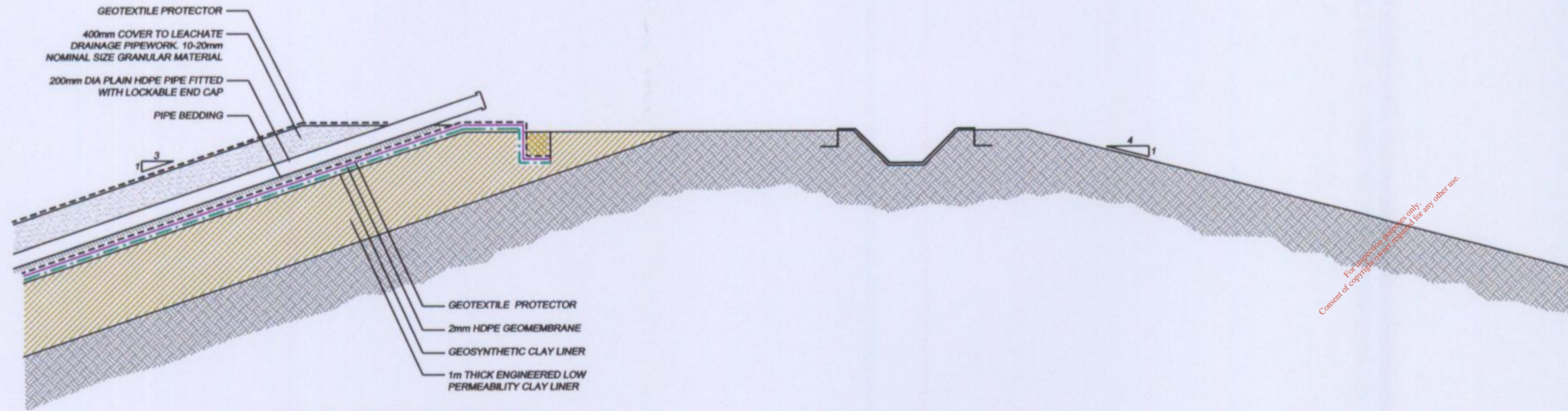
SECTION A-A THROUGH LEACHATE COLLECTION PIPEWORK



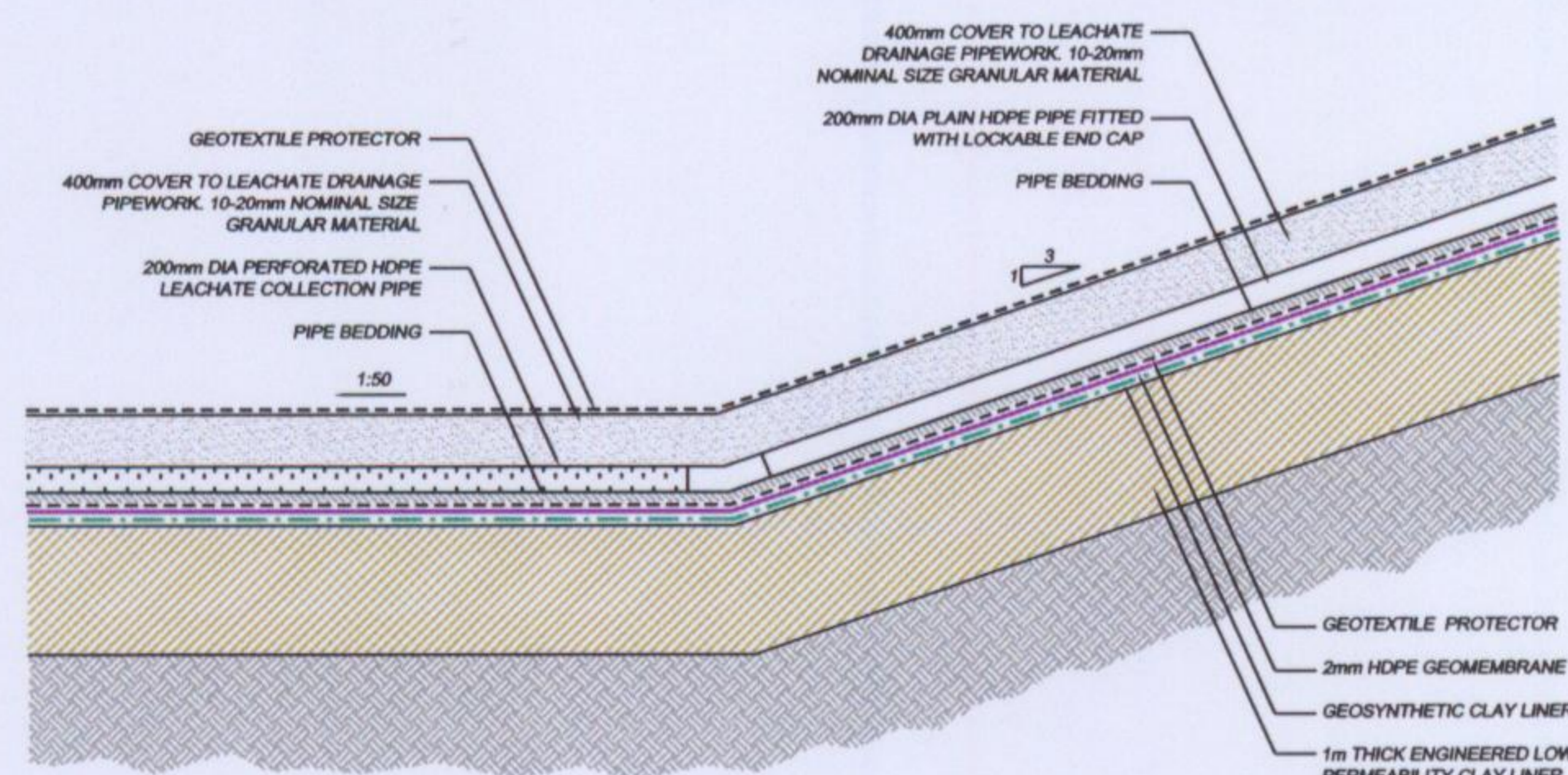
SECTION B-B THROUGH LEACHATE EXTRACTION WELL



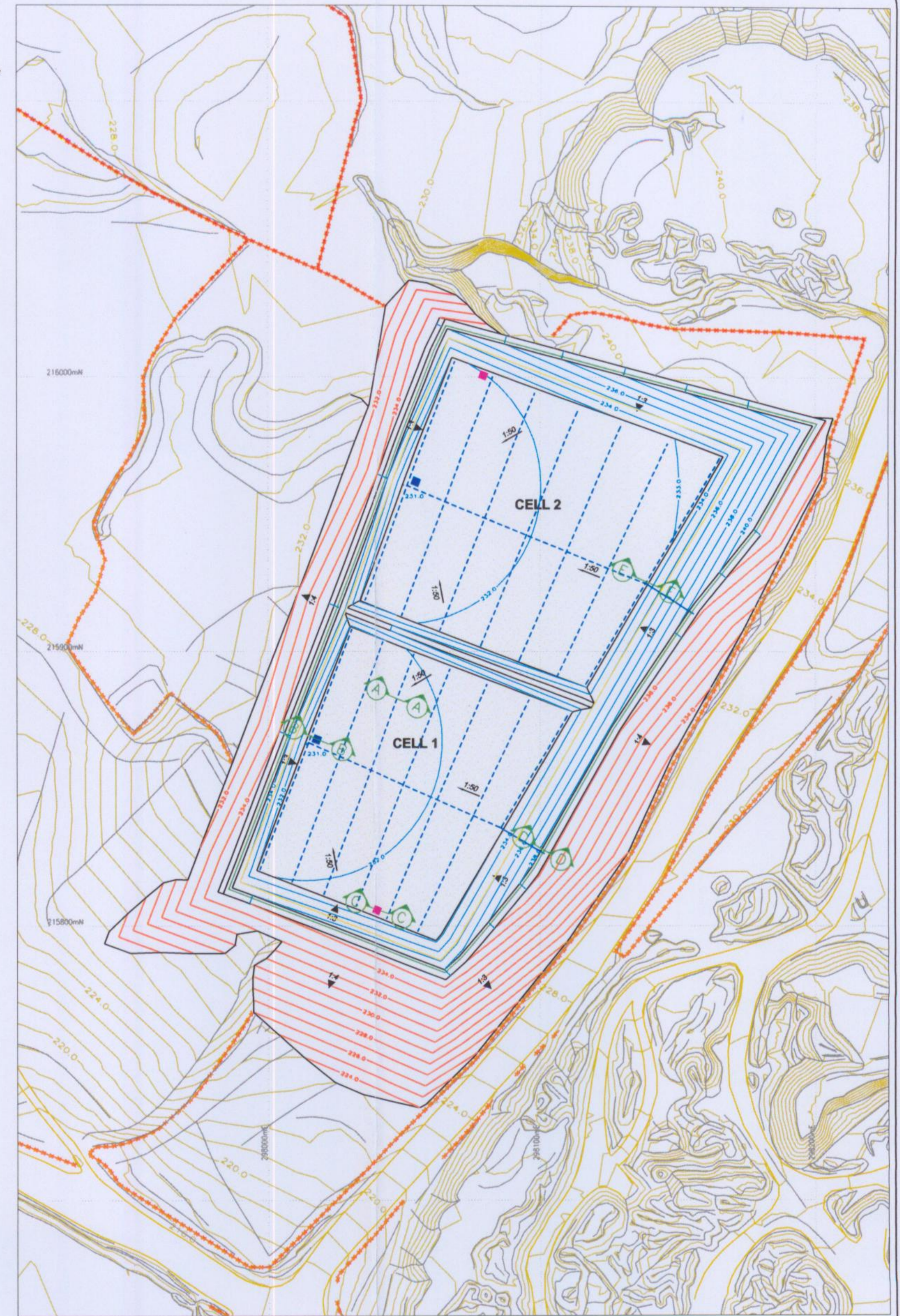
SECTION C-C THROUGH LEACHATE MONITORING WELL



SECTION D-D THROUGH LEACHATE COLLECTION DRAIN AT CREST OF SIDESLOPE



SECTION E-E THROUGH LEACHATE COLLECTION DRAIN AT BASE OF SIDESLOPE



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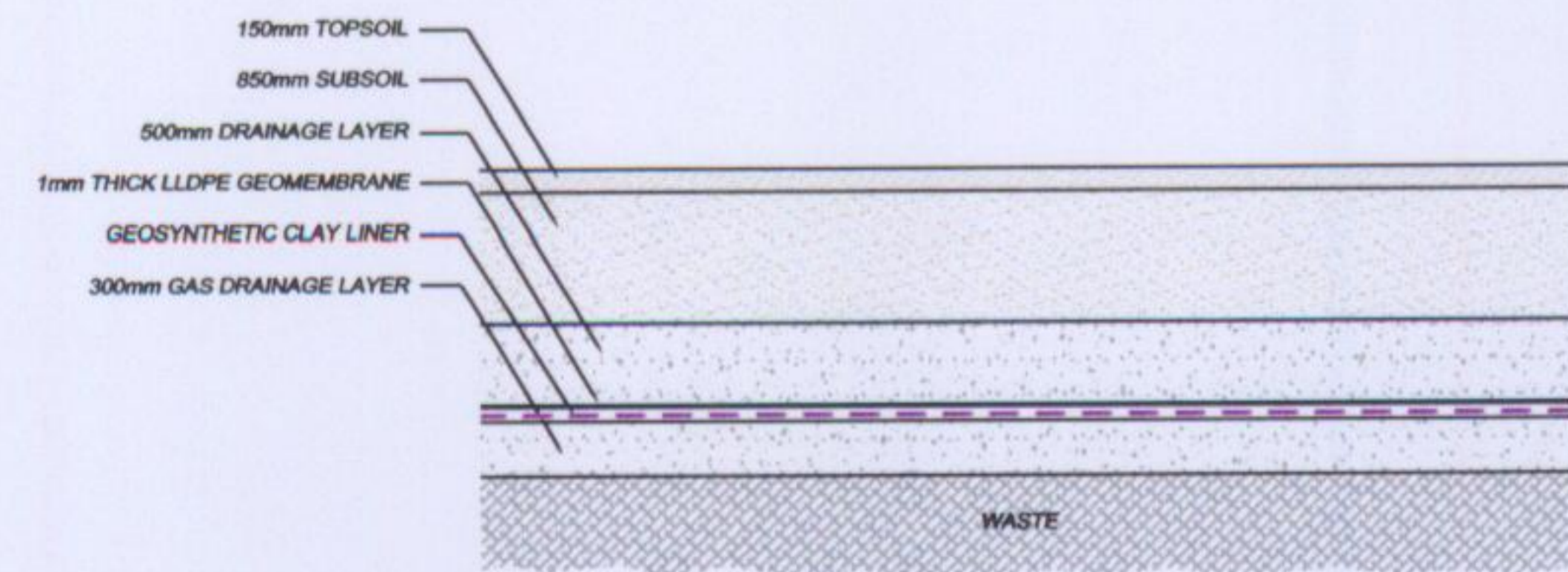
JBA

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DUBLIN 14

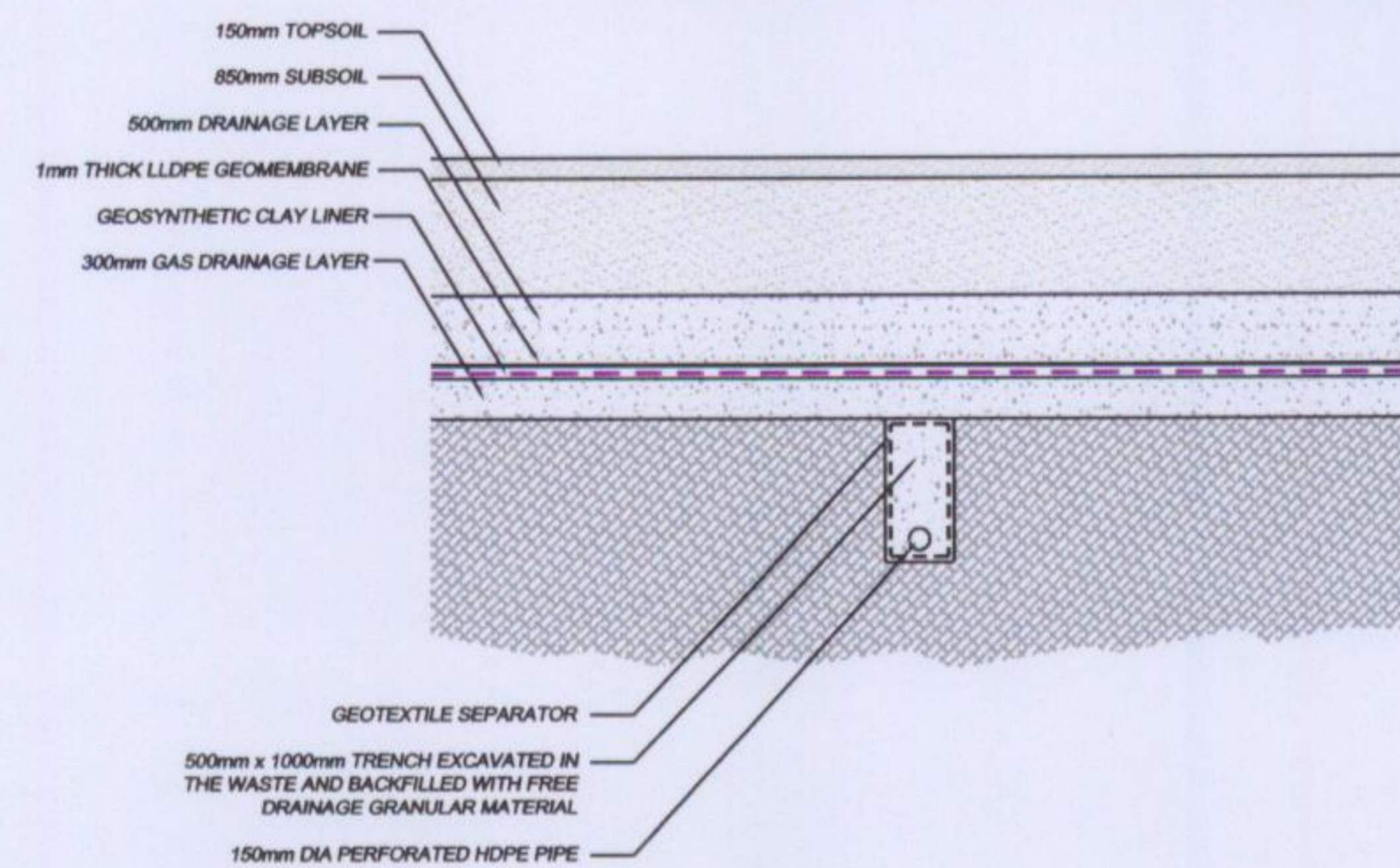
- 337.0 — EXISTING GROUND CONTOURS
- 235.0 — FORMATION CONTOURS
- 236.0 — TOP OF CLAY LINER CONTOURS
- GEOTEXTILE ANCHOR TRENCH
- EXTENT OF LEACHATE DRAINAGE BLANKET
- 200mm DIAMETER PERFORATED HDPE LEACHATE COLLECTION PIPEWORK
- 200mm DIAMETER PLAIN HDPE LEACHATE EXTRACTION PIPEWORK
- LEACHATE EXTRACTION WELL LOCATION
- LEACHATE MONITORING WELL LOCATION

Rev.	Date	By	Description
2	April 04	PM	Contour Correction
1	Dec 03	PM	Cell Layout Revised
0	Jul 03	SMD	Cell Layout Revised

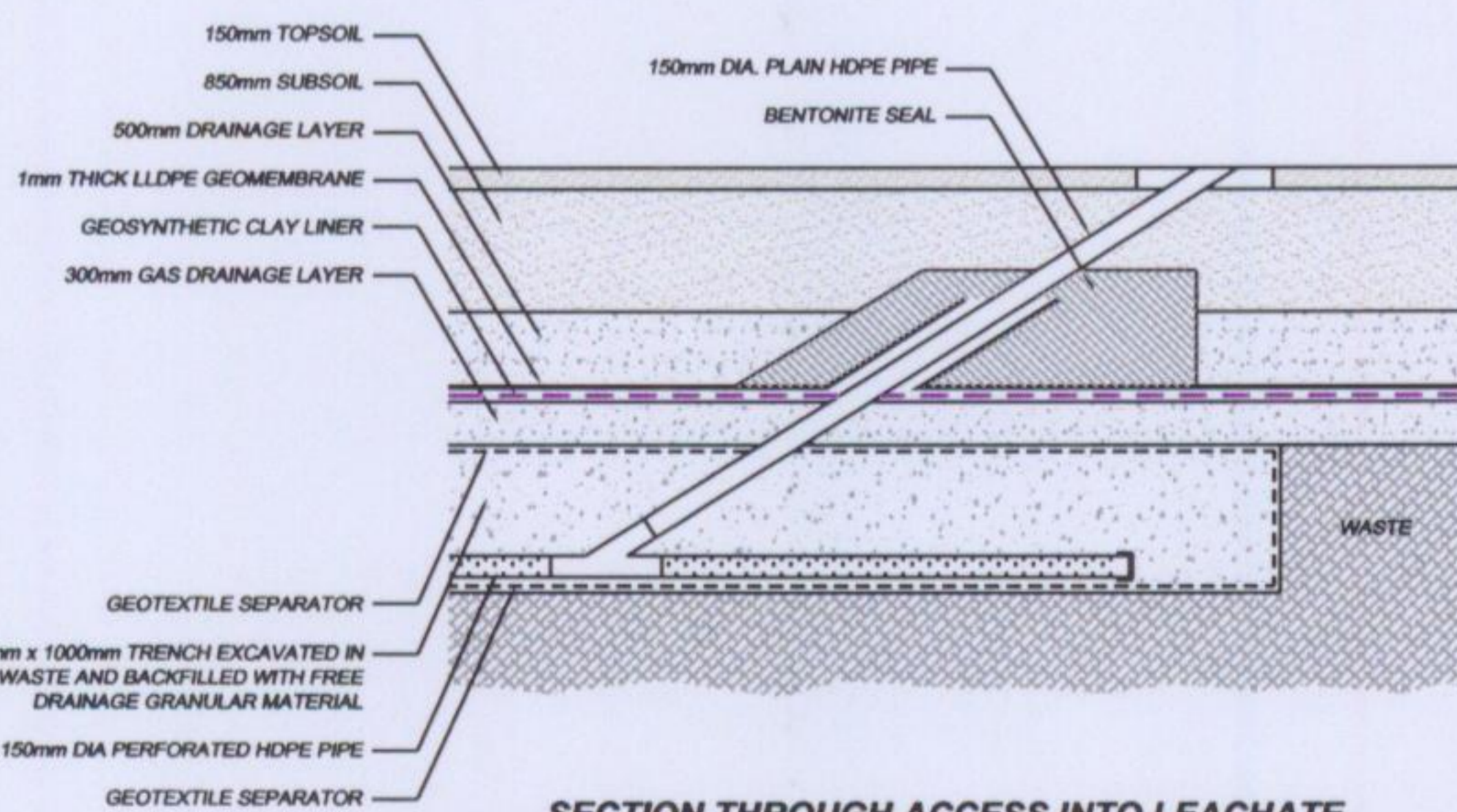
Site:	Lands at Blessington, Co. Wicklow		
Project:	Remediation of Unauthorised Landfill Sites		
Title:	Engineered Landfill : Leachate Management System		
Drawn:	JC/PM	Scale:	1:2000
Job. No.:	2901/10	Date:	Dec 2004
			DO5



SECTION THROUGH GEOSYNTHETIC CAPPING SYSTEM
1:100



SECTION THROUGH LEACHATE RECIRCULATION TRENCH
(GEOSYNTHETIC CAP OPTION)
1:100



SECTION THROUGH ACCESS INTO LEACHATE RECIRCULATION SYSTEM
(GEOSYNTHETIC CAP OPTION)
1:100



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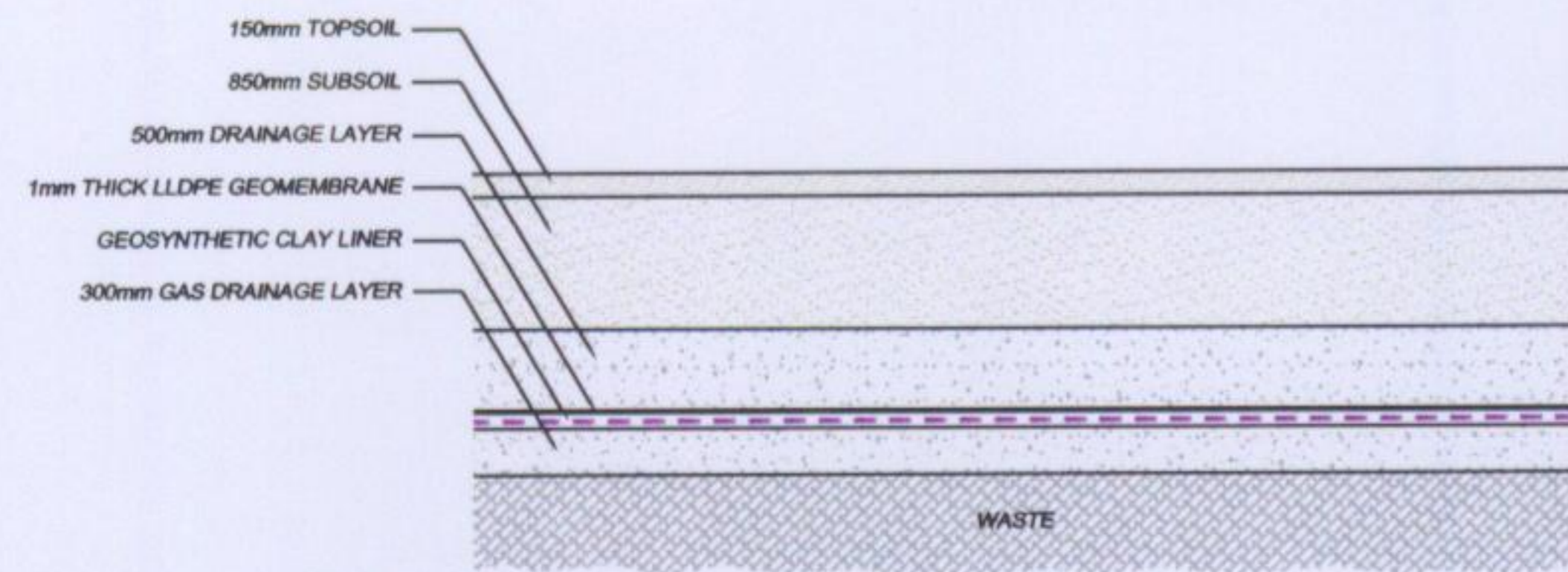
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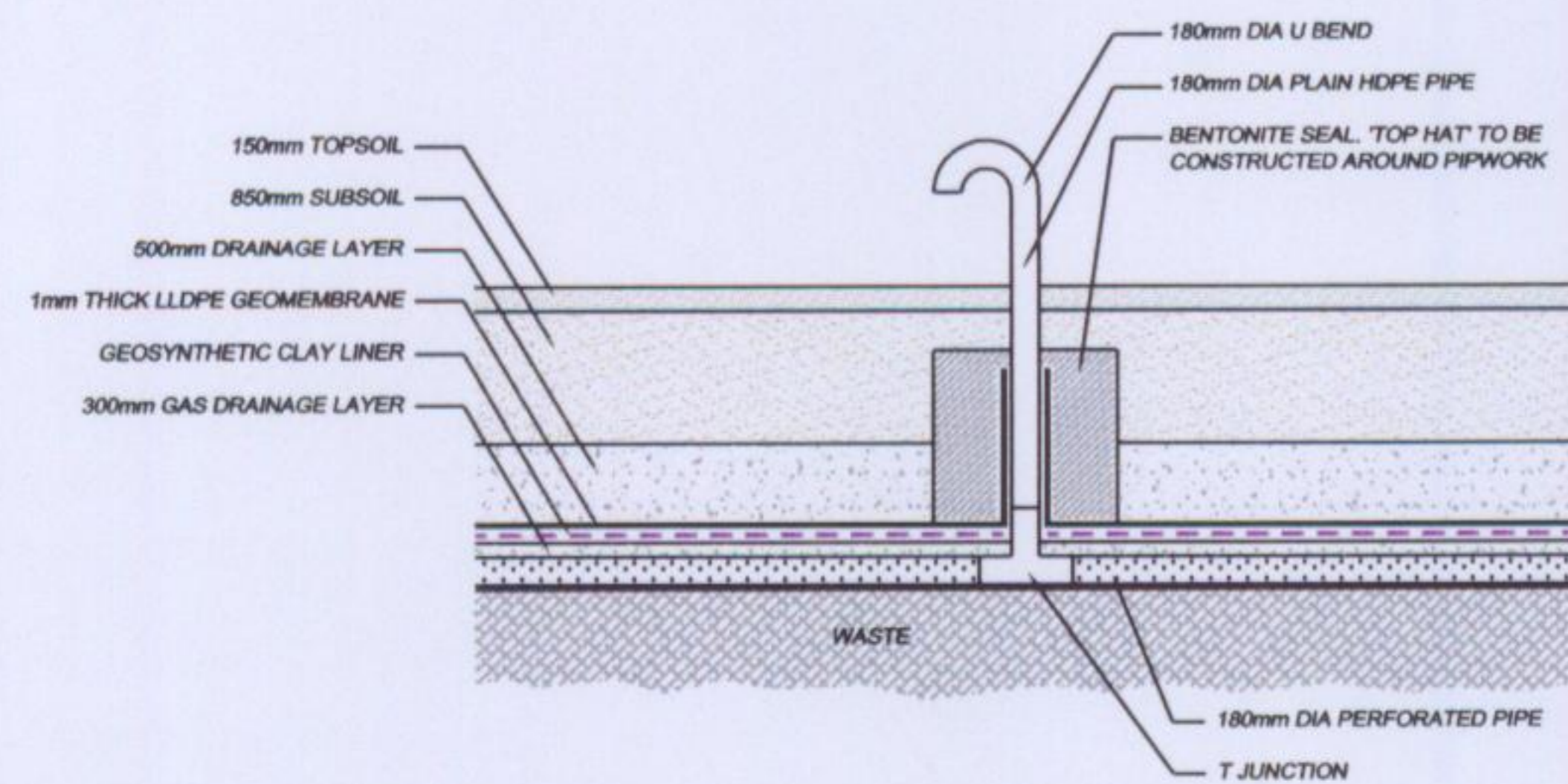
— 237.0 — EXISTING GROUND CONTOURS
— 235.0 — FORMATION CONTOURS
— 235.0 — TOP OF CLAY LINER CONTOURS
— 236.0 — TEMPORARY WASTE CONTOURS
— 236.0 — FINAL RESTORATION CONTOURS
■ ACCESS POINT TO LEACHATE RECIRCULATION SYSTEM
- - - LEACHATE RECIRCULATION TRENCH

Rev.	Date	By	Description
2	April 04	PM	Contour Correction
1	Dec 03	PM	Cell Layout Revised
0	Jul 03	SMD	Cell Layout Revised

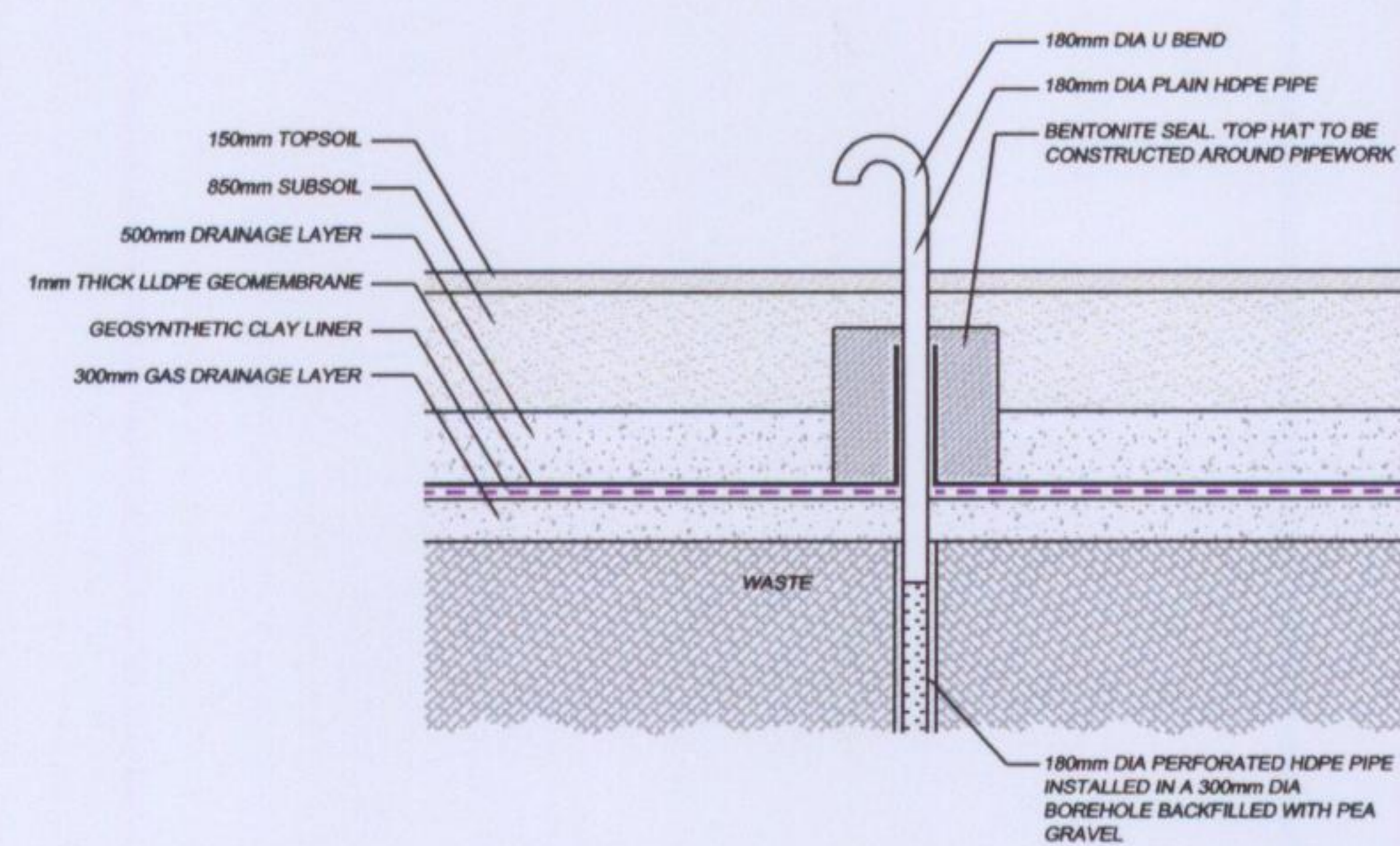
Site:	Lands at Blessington, Co. Wicklow		
Project:	Remediation of Unauthorised Landfill Sites		
Title:	Engineered Landfill Capping & Restoration Scheme		
Drawn:	JC/PM	Scale:	1:2,000
Job. No:	2901/10	Date:	Dec 2004
			DO6



SECTION THROUGH CAPPING SYSTEM
T:100



SECTION THROUGH GAS WELL CONNECTED INTO THE GAS DRAINAGE LAYER
T:100



SECTION THROUGH DEEP GAS WELL PROTRUSION THROUGH CAPPING SYSTEM
T:100



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DUBLIN 14

- 237.0 — EXISTING GROUND CONTOURS
- 235.0 — FORMATION CONTOURS
- 236.0 — TOP OF CLAY LINER CONTOURS
- 236.0 — TEMPORARY WASTE CONTOURS
- 236.0 — FINAL RESTORATION CONTOURS
- DEEP GAS WELL
- GAS WELL TO GAS DRAINAGE LAYER
- GAS DRAINAGE LAYER PIPEWORK

Rev.	Date	By	Description
2	April 04	PM	Contour Correction
1	Dec 03	PM	Cell Layout Revised
0	Jul 03	SMD	Cell Layout Revised

Site:	Lands at Blessington, Co. Wicklow
Project:	Remediation of Unauthorised Landfill Sites
Title:	Engineered Landfill : Landfill Gas Management System
Drawn: JC/PM	Scale: 1:2,000
Job. No: 2901/10	Date: Dec 2004
DO7	