

LEGEND

- NATIONAL SECONDARY ROUTE
- REGIONAL ROAD
- MINOR ROAD
- MAIN WATER COURSE
- MINOR WATER COURSE
- APPLICATION SITE FOR EPA Ref. No. 204-1
- - - TOWNLAND BOUNDARY
- INFERRERD HYDROGEOLOGICAL CATCHMENT AREA ENCLISING SITE.
- INDICATIVE GROUNDWATER FLOW GROUNDWATER CONTOURS 2.5m INTERVALS. (mOD)
- INDICATIVE GROUNDWATER FLOW GROUNDWATER FLOW DIRECTION.

ORDNANCE SURVEY IRELAND
LICENCE NUMBER
AR0056004

Issue Date:		
No.	Date	Description
B	JAN. '05	ISSUE TO EPA
A	MAR. '04	WASTE LICENCE APPLICATION

Surveyed by:
Environment & Resource Management Ltd.

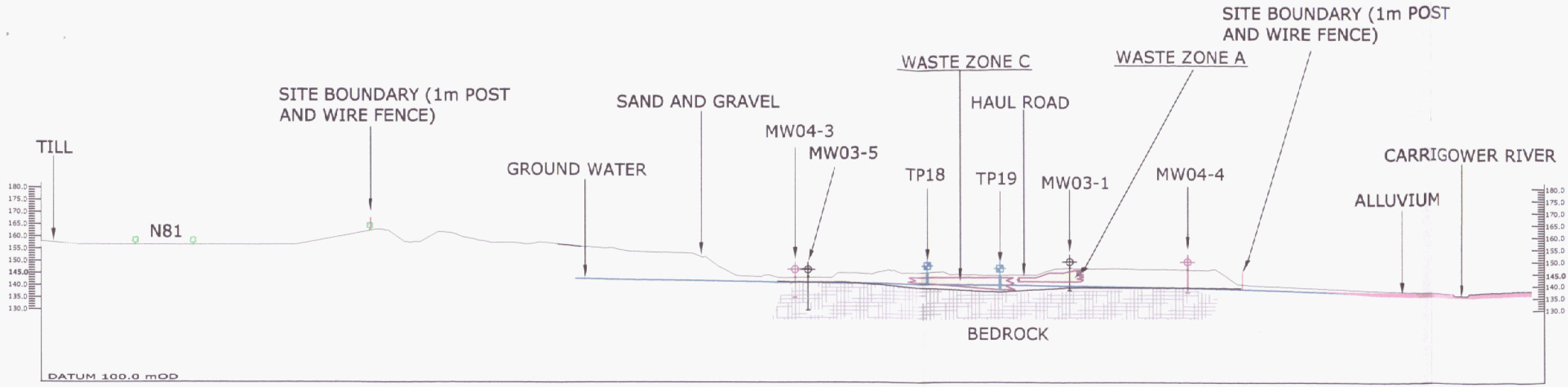
Client:
BROWNFIELD RESTORATION IRELAND LTD.

Project:
PROPOSED INTEGRATED WASTE MANAGEMENT FACILITY

Title of Figure:
INFERRERD HYDROGEOLOGICAL CATCHMENT AREA ENCLISING SITE AND INFLUENCING SPRINGS

Scale:	Fig. No.	Rev.
1:5000 A1	FIG. 3.7.6	
1:10000 A3		
Drawn: AS	Job No.	B
Approved: GP	04.147	

Prepared by:
Environment & Resource Management Ltd.
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KILDARE TELEPHONE 045 874411 FAX 045 874549



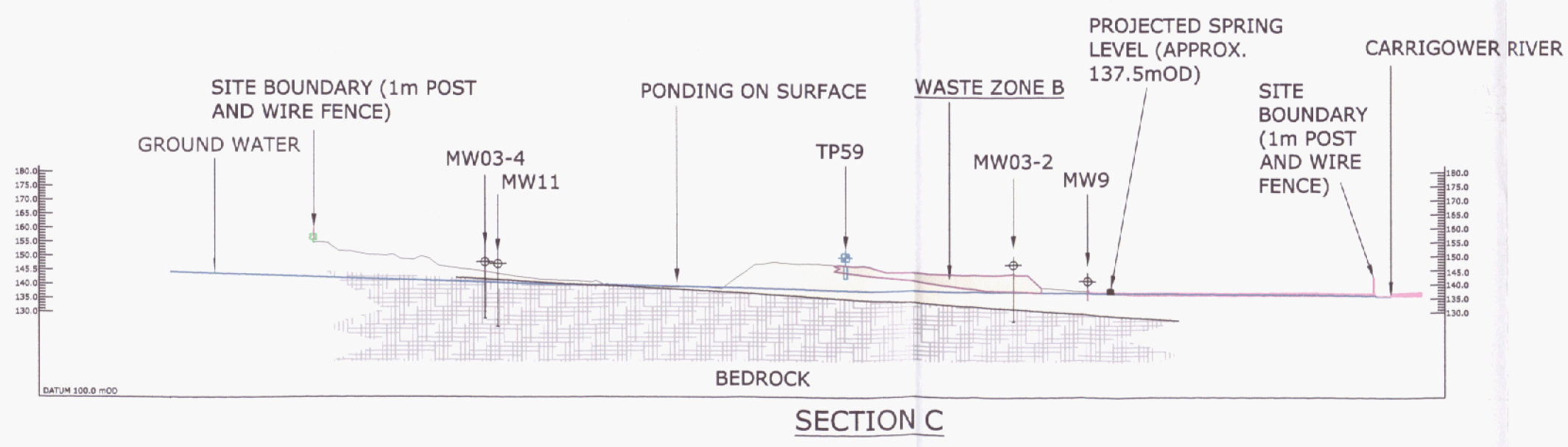
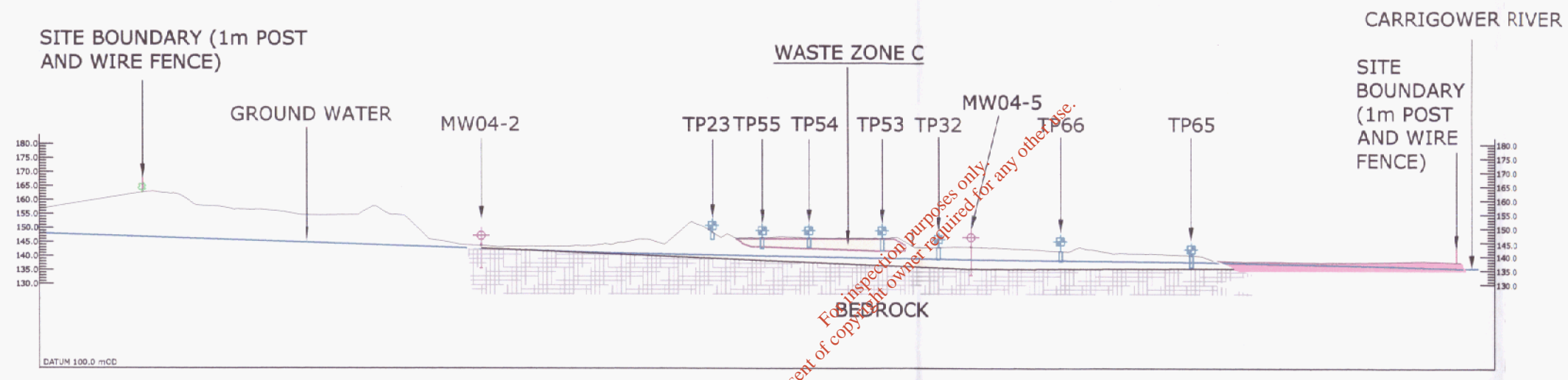
NOTE:

- GROUND WATER LEVELS TAKEN ON 3RD FEBRUARY 2004.
- VERTICAL SCALE EXAGGERATED BY x2.

m.O.D. METRES ORDNANCE DATUM (MALIN HEAD)

LEGEND

- MONITORING WELLS INSTALLED DURING PREVIOUS OWNERSHIP
- MONITORING WELLS INSTALLED BY ERM (DEC. 2003)
- TRIAL PITS EXCAVATED BY ERM (DEC. 2003)
- GROUNDWATER SURFACE 03/02/04
- ALLUVIUM
- SAND AND GRAVEL
- WASTE/MADEGROUND
- BEDROCK
- GLACIAL TILL

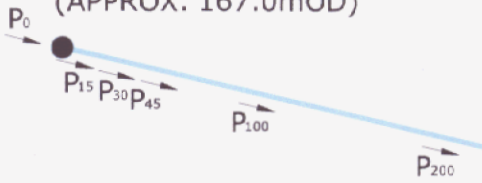


Issue Date:		
No.	Date	Description
B	JAN. '05	ISSUE TO EPA
A	MAR. '04	WASTE LICENCE APPLICATION
Surveyed by: Environment & Resource Management Ltd.		
Client: BROWNFIELD RESTORATION IRELAND LTD.		
Project: PROPOSED INTEGRATED WASTE MANAGEMENT FACILITY		
Title of Figure: GEOLOGICAL CROSS SECTIONS		
Scale:	1:1000	Fig. No.
	1:1000	FIG. 3.7.5
Date:	12/03	Job No.
Drawn:	AS	03.116
Approved:	GP	
Prepared by: Environment & Resource Management Ltd. NO. 3 TARA COURT, DUBLIN RD., NAAS, CO. KILDARE TELEPHONE 045 874411 FAX 045 874549		

L8814

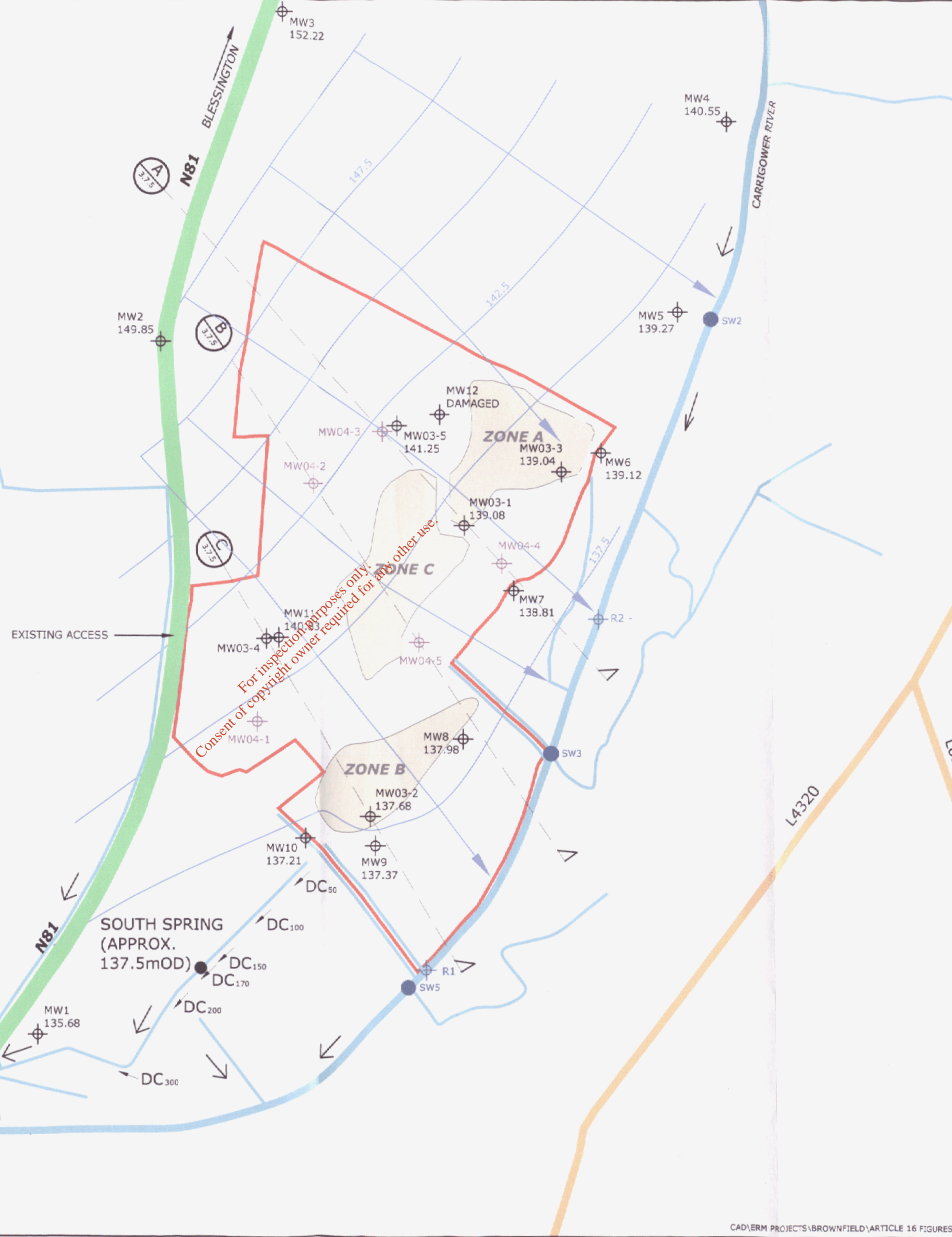


WEST SPRING (APPROX. 167.0mOD)



LEGEND

- NATIONAL SECONDARY ROUTE
- MINOR ROAD
- MAIN WATER COURSE
- MINOR WATER COURSE
- APPLICATION SITE BOUNDARY FOR EPA Ref. No. 204-1
- GROUNDWATER MONITORING WELLS INSTALLED PRIOR TO PRESENT OWNERSHIP (MW1 TO MW 12 AND MW03-1 TO MW03-5) WITH WATER LEVEL mOD. ON 03/02/04
- GROUNDWATER MONITORING WELLS INSTALLED BY ERML JANUARY 2004
- RIVER LEVEL MONITORING POINT (R1)
- SURFACE WATER MONITORING POINT.
- INDICATIVE GROUNDWATER FLOW CONTOURS (mOD) 03/02/04
- INDICATIVE GROUNDWATER FLOW DIRECTION.(03.02.04)
- CROSS SECTION LOCATIONS (see figure 3.7.5)
- WASTE ZONES A,B,C DELINEATED BY ERML IN DEC '03
- PHOTOVIEW 15m WEST OF SPRING
- PHOTOVIEW 50m FROM BEGINNING OF DRAINAGE CHANNEL



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ORDNANCE SURVEY IRELAND LICENCE NUMBER AR0056004

Issue Date:		
No.	Date	Description

B JAN. '05 ISSUE TO EPA
 A MAR. '04 WASTE LICENCE APPLICATION

Surveyed by: Environment & Resource Management Ltd.

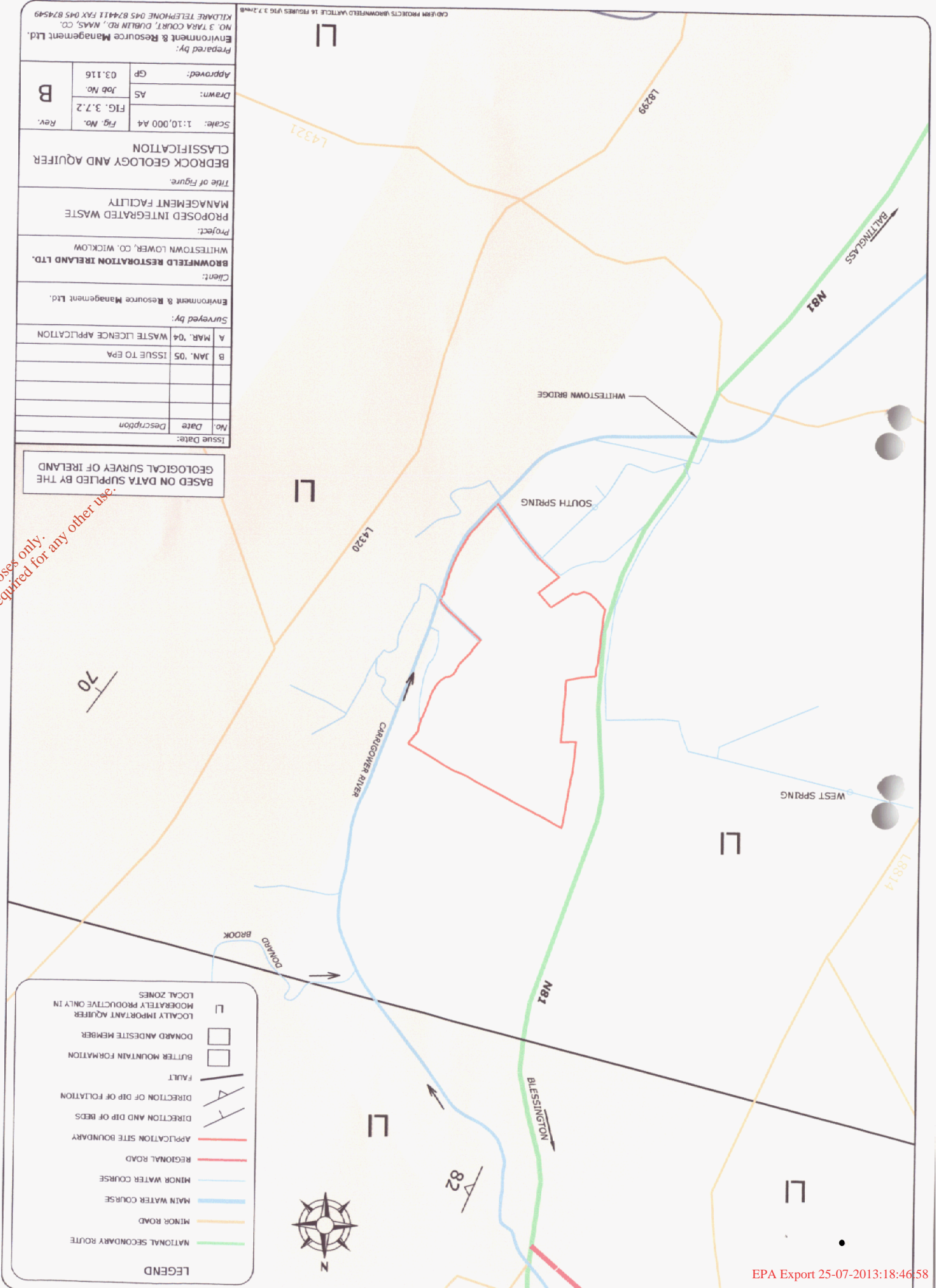
Client: BROWNFIELD RESTORATION IRELAND LTD.

Project: PROPOSED INTEGRATED WASTE MANAGEMENT FACILITY

Title of Figure: GROUNDWATER MAP AND CROSS SECTION LOCATIONS.

Scale:	1:4,000 A3	Fig. No.	Fig. 3.7.4	Rev.
Drawn:	AS	Job No.		B
Approved:	GP	04.147		

Prepared by: Environment & Resource Management Ltd. NO. 3 TARA COURT, DUBLIN RD., NAAS, CO. KILDARE TELEPHONE 045 874411 FAX 045 874549



Issue Date:

No.	Date	Description
B	JAN. '05	ISSUE TO EPA
A	MAR. '04	WASTE LICENCE APPLICATION

Surveyed by: Environment & Resource Management Ltd.

Client: BROWNFIELD RESTORATION IRELAND LTD., WHITESTOWN LOWER, CO. WICKLOW

Project: PROPOSED INTEGRATED WASTE MANAGEMENT FACILITY

Title of Figure: BEDROCK GEOLOGY AND AQUIFER CLASSIFICATION

Scale: 1:10,000 A4

Fig. No.	Fig. No.	Rev.
AS	3.7.2	
GP	03.116	

Drawn: AS
Approved: GP

Prepared by: Environment & Resource Management Ltd.

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BASED ON DATA SUPPLIED BY THE GEOLOGICAL SURVEY OF IRELAND

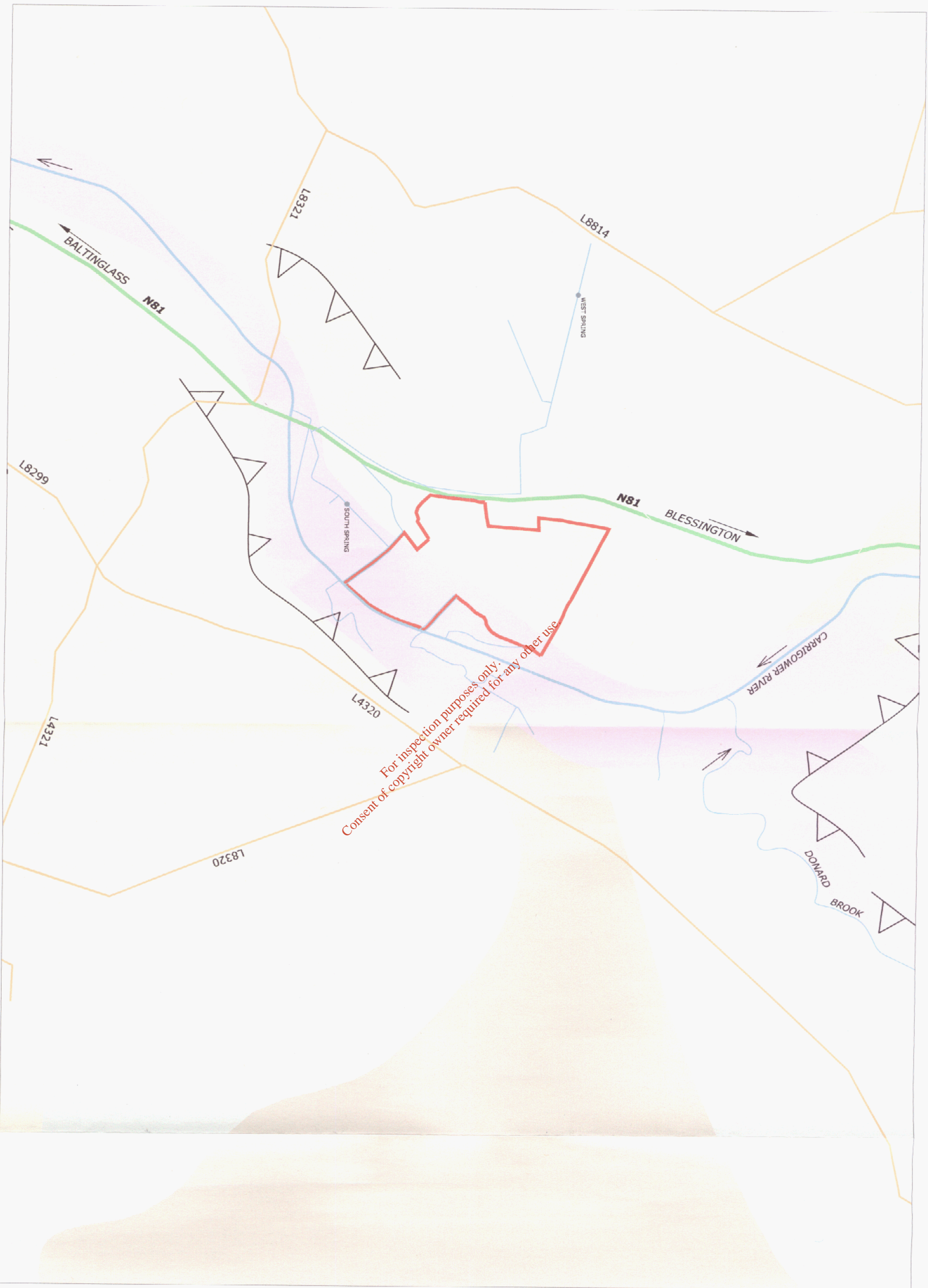
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LEGEND

	NATIONAL SECONDARY ROUTE
	MINOR ROAD
	MINOR WATER COURSE
	MAIN WATER COURSE
	REGIONAL ROAD
	APPLICATION SITE BOUNDARY
	DIRECTION AND DIP OF BEDS
	DIRECTION OF DIP OF FOLIATION
	FAULT
	BUTTER MOUNTAIN FORMATION
	DONARD ANDESITE MEMBER
	LOCALLY IMPORTANT AQUIFER
	MODERATELY PRODUCTIVE ONLY IN LOCAL ZONES



- LEGEND**
- NATIONAL SECONDARY ROUTE
 - MINOR ROAD
 - MAIN WATER COURSE
 - MINOR WATER COURSE
 - APPLICATION SITE BOUNDARY
 - ESCARPMENT IN QUATERNARY SEDIMENT
 - ▴ IRISH SEA BASIN TILL - CHERT DERIVED
 - TILL WITH GRAVELS - CHERT DERIVED
 - BEDROCK WITHIN 1m OF SURFACE
 - ALLUVIUM



BASED ON DATA SUPPLIED BY THE GEOLOGICAL SURVEY OF IRELAND

Issue Date:	
No.	Date

Environment & Resource Management Ltd.
 Client:
BROWNFIELD RESTORATION IRELAND LTD.
 WHITESTOWN LOWER, CO. WICKLOW
 Project:
PROPOSED INTEGRATED WASTE MANAGEMENT FACILITY
 Title of Figure:
QUATERNARY GEOLOGY

Scale:	Fig. No.	Rev.
1:10,000 A3	FIG. 3.7.1	
Drawn:	AS	
Job No.	03.115	
Approved:	GP	B

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