TIER 3

ENVIRONMENTAL RISK ASSESSMENT







- OPEN DRAINS

- SITE BOUNDARY

O 250m RADIUS FROM THE SITE

O 500m RADIUS FROM THE SITE

■ DWELLING HOUSE (RECEPTORS)

■ BOG (RECEPTORS)

MULLAGH LOUGH (RECEPTORS)

PRIVATE WELL (RECEPTOR)

DESCRIPTION

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Traynor Environmental Ltd.

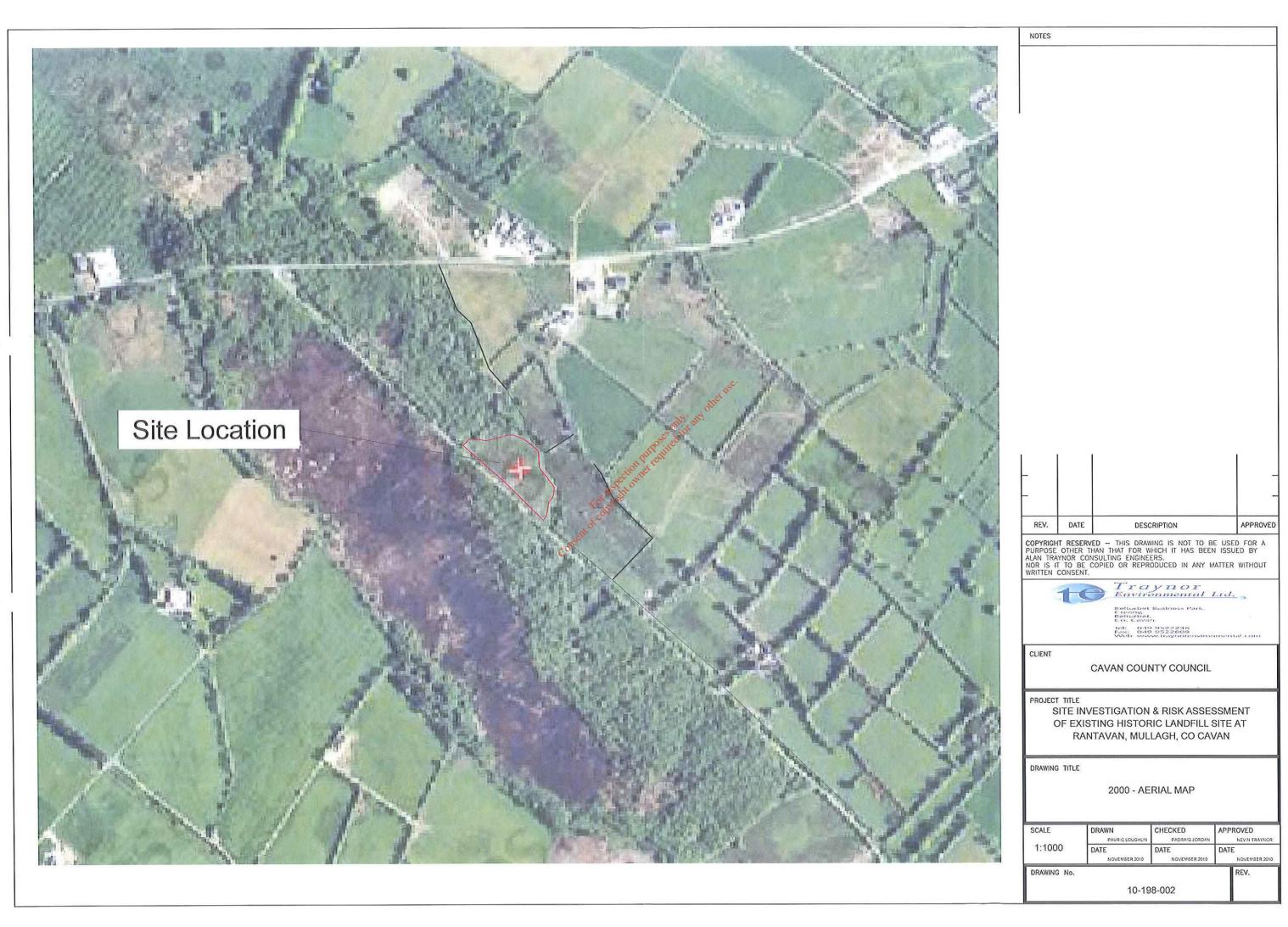
tel: 049 9522236 Fax: 049 9522808 Web www.travore

CAVAN COUNTY COUNCIL

SITE INVESTIGATION & RISK ASSESSMENT OF EXISTING HISTORIC LANDFILL SITE AT RANTAVAN, MULLAGH, CO CAVAN

> POTENTIAL RECEPTORS IN THE VICINITY OF THE SITE

10-198-001



NOTES





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Belturbet Business P. Croany, Belturbet, Co. Cavair.

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CAVAN COUNTY COUNCIL

PROJECT TITLE

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DRAWING TITLE

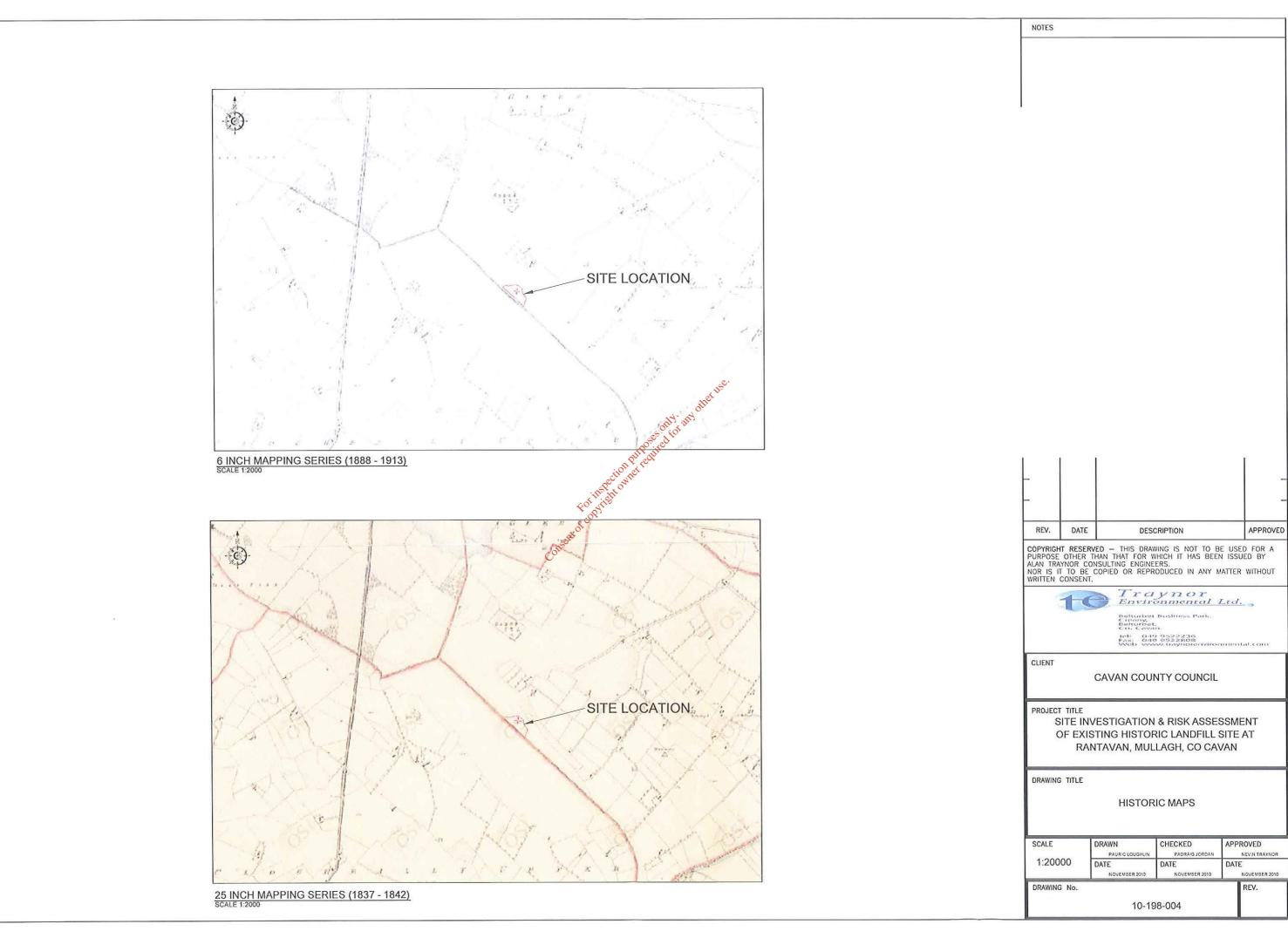
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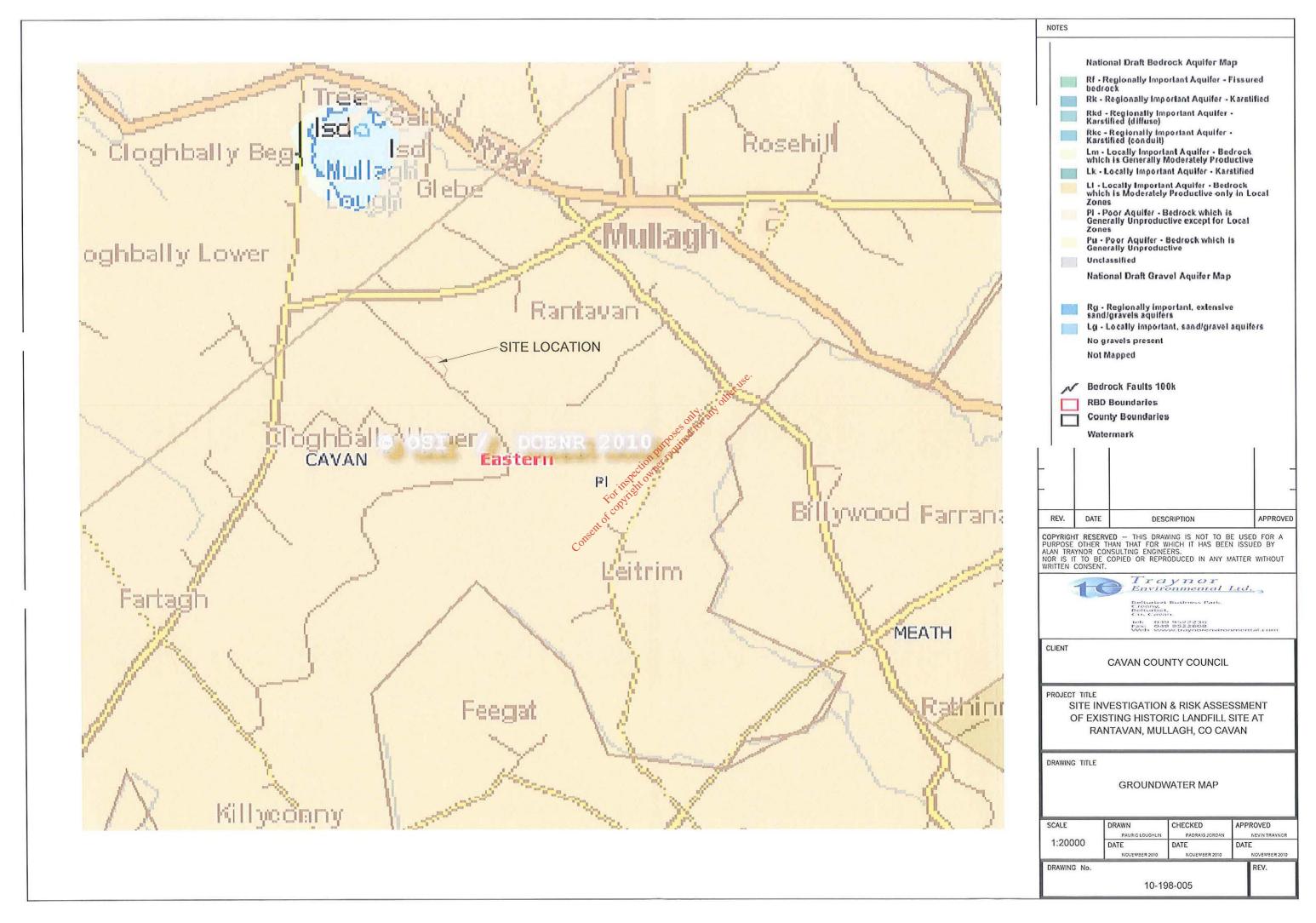
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1:20000	PAURIC LOUGHLIN	PADRAIG JORDAN	NEVIN TRAYNOR
	DATE	DATE	DATE

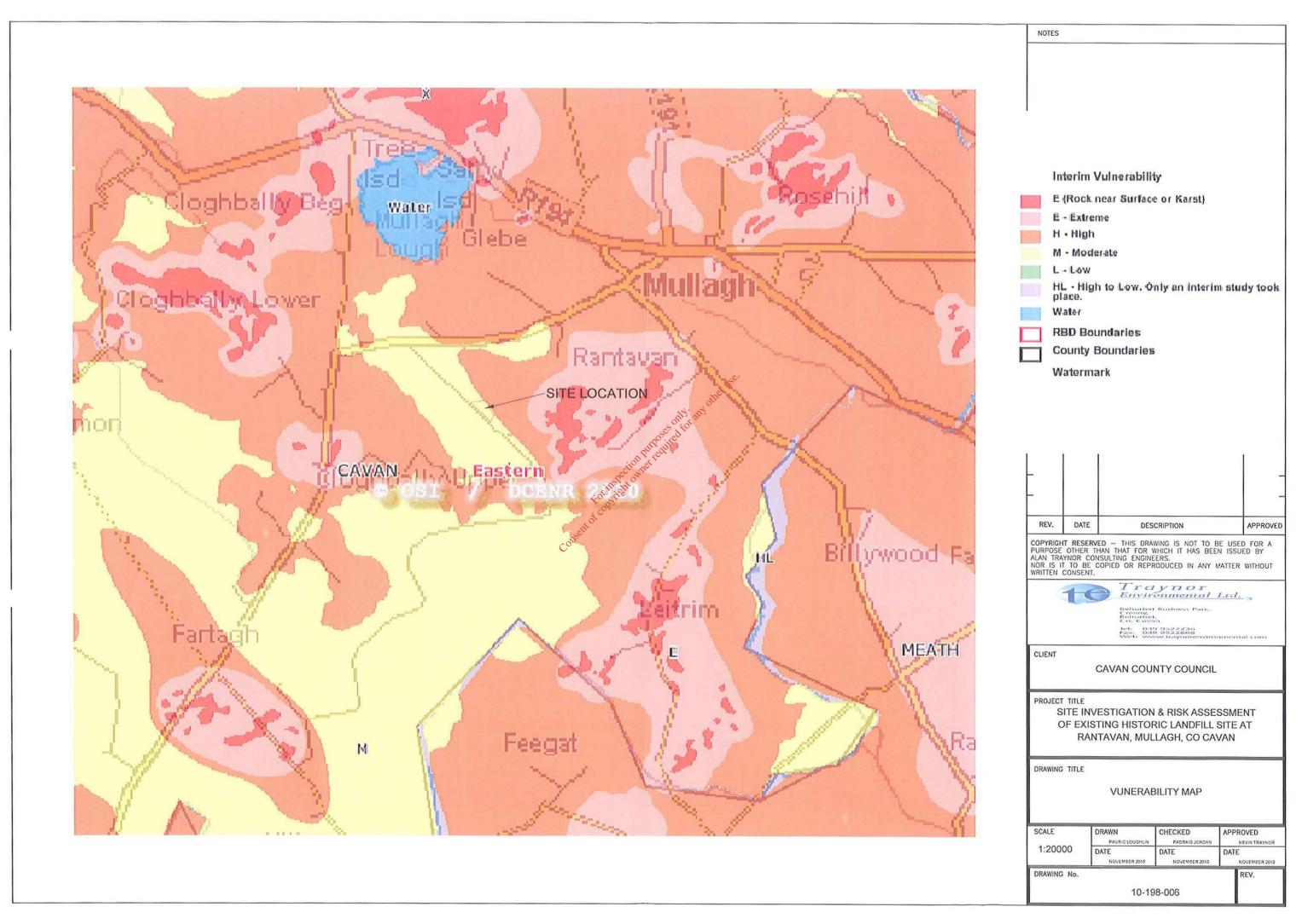
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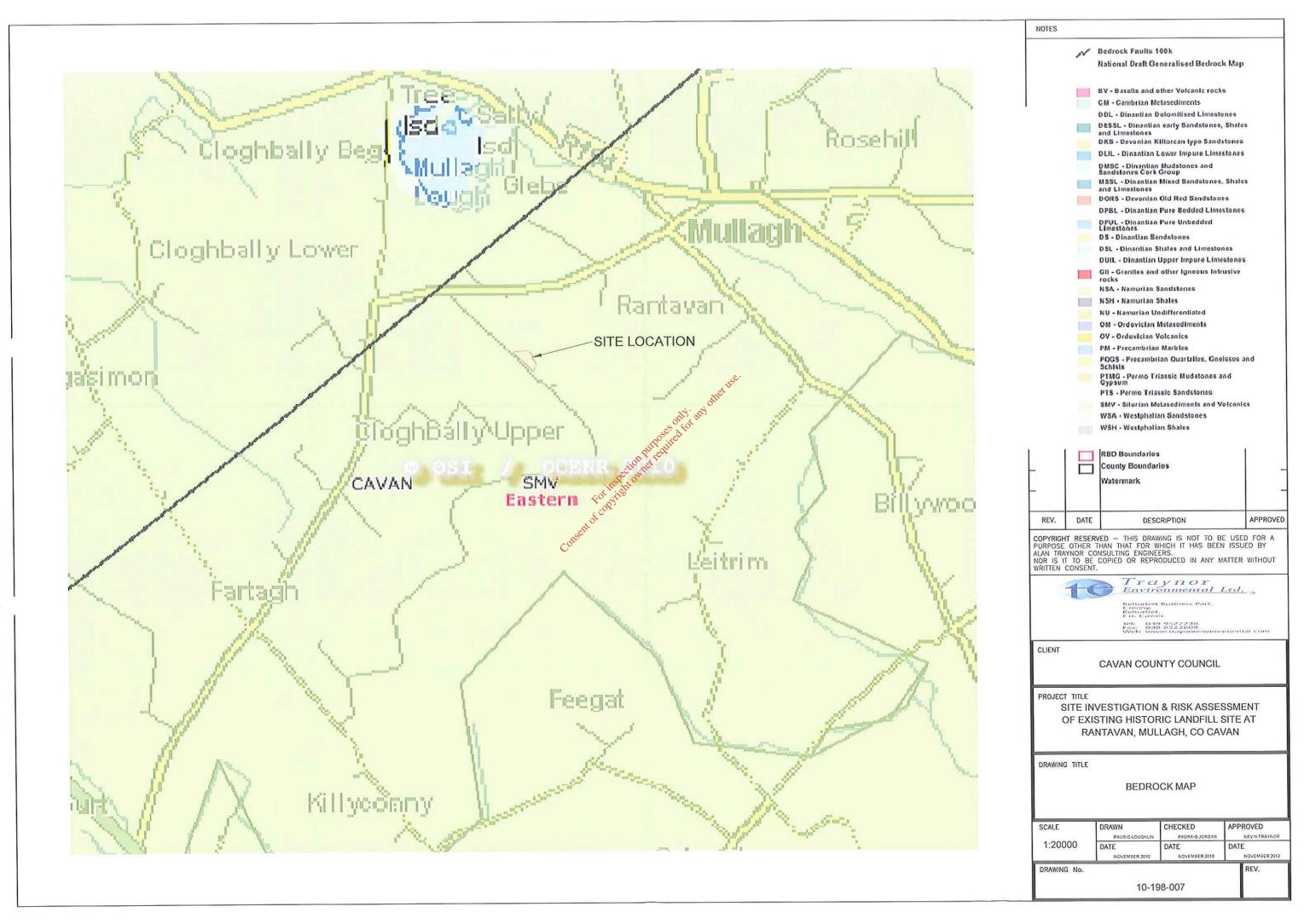
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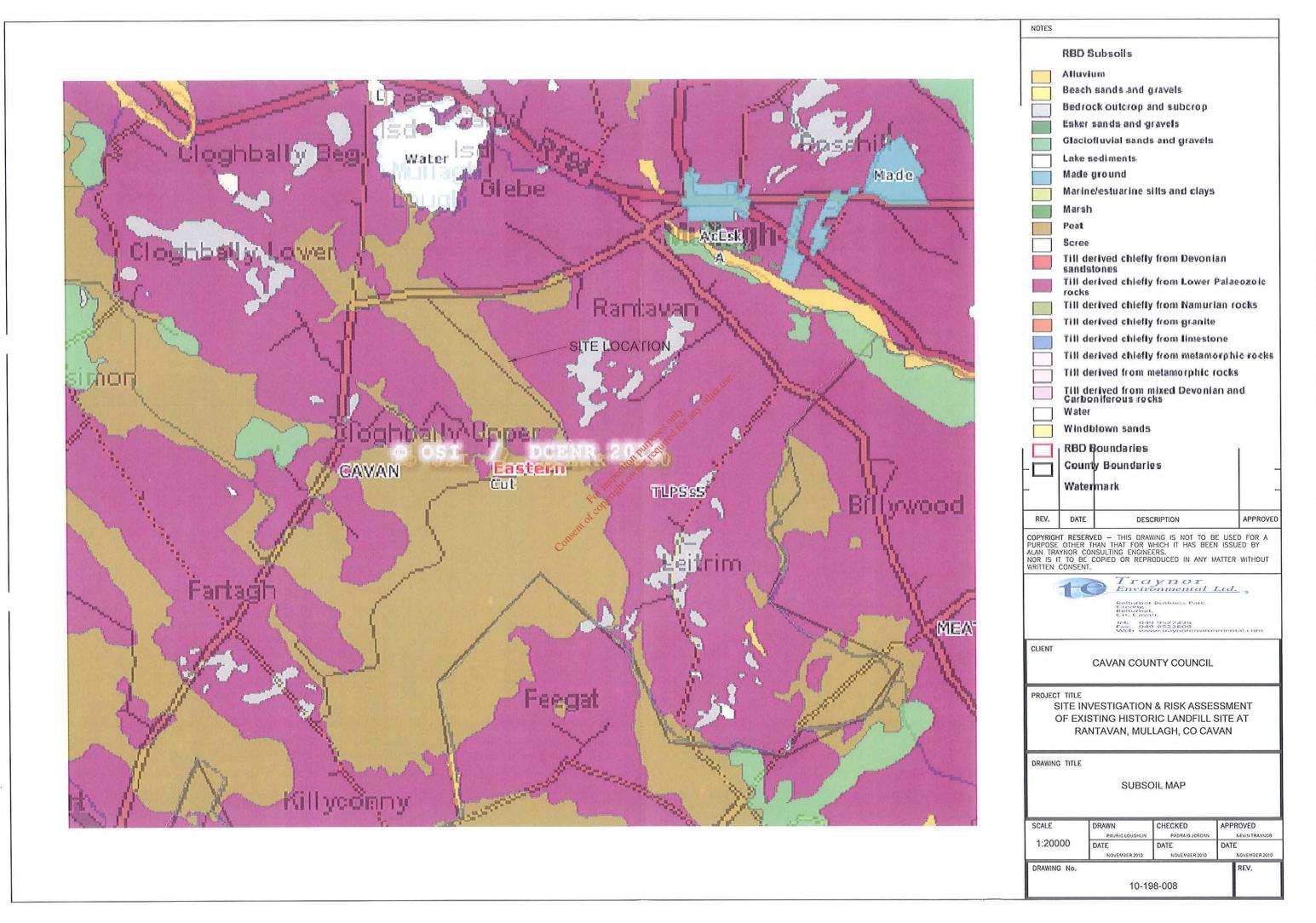
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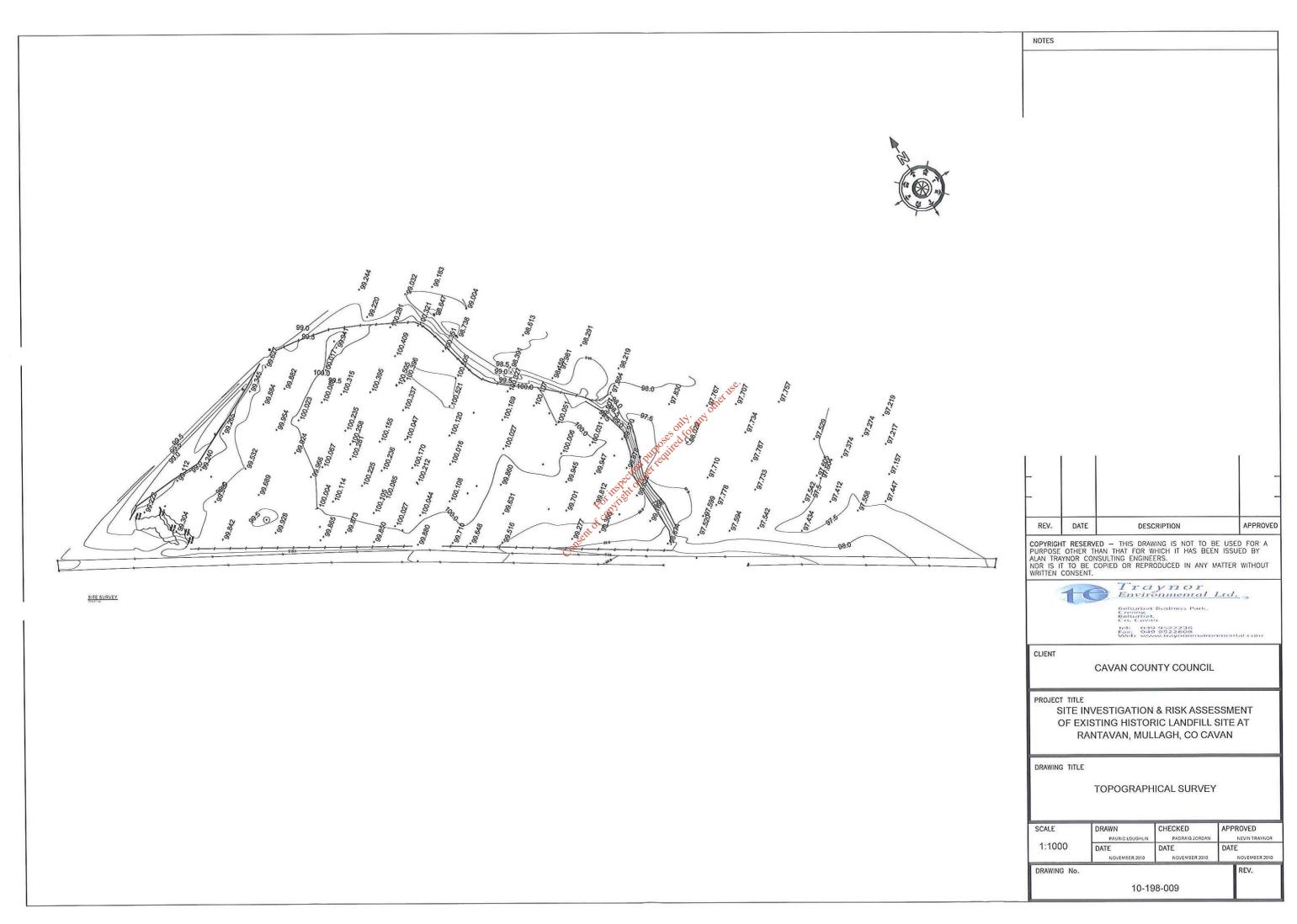


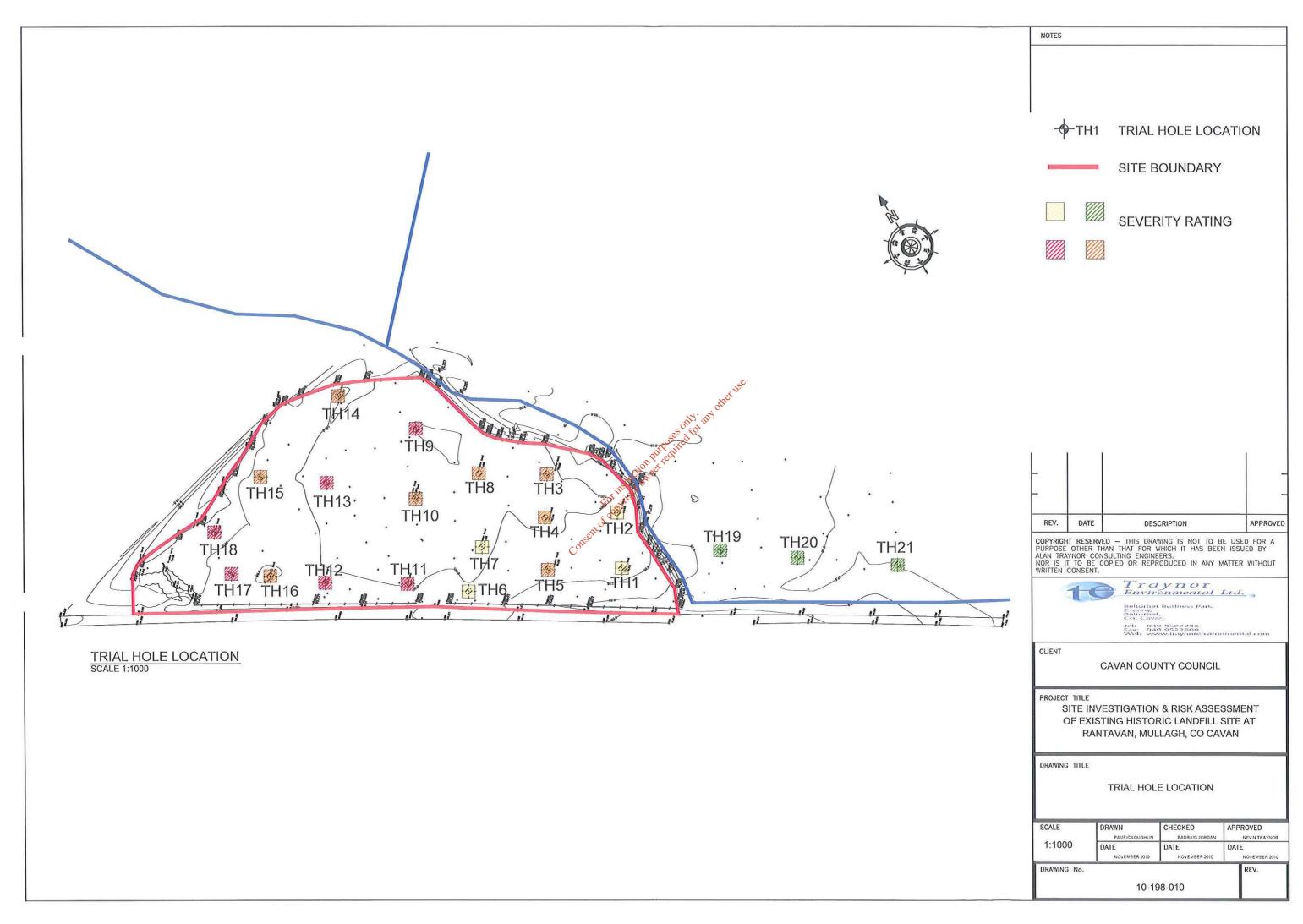


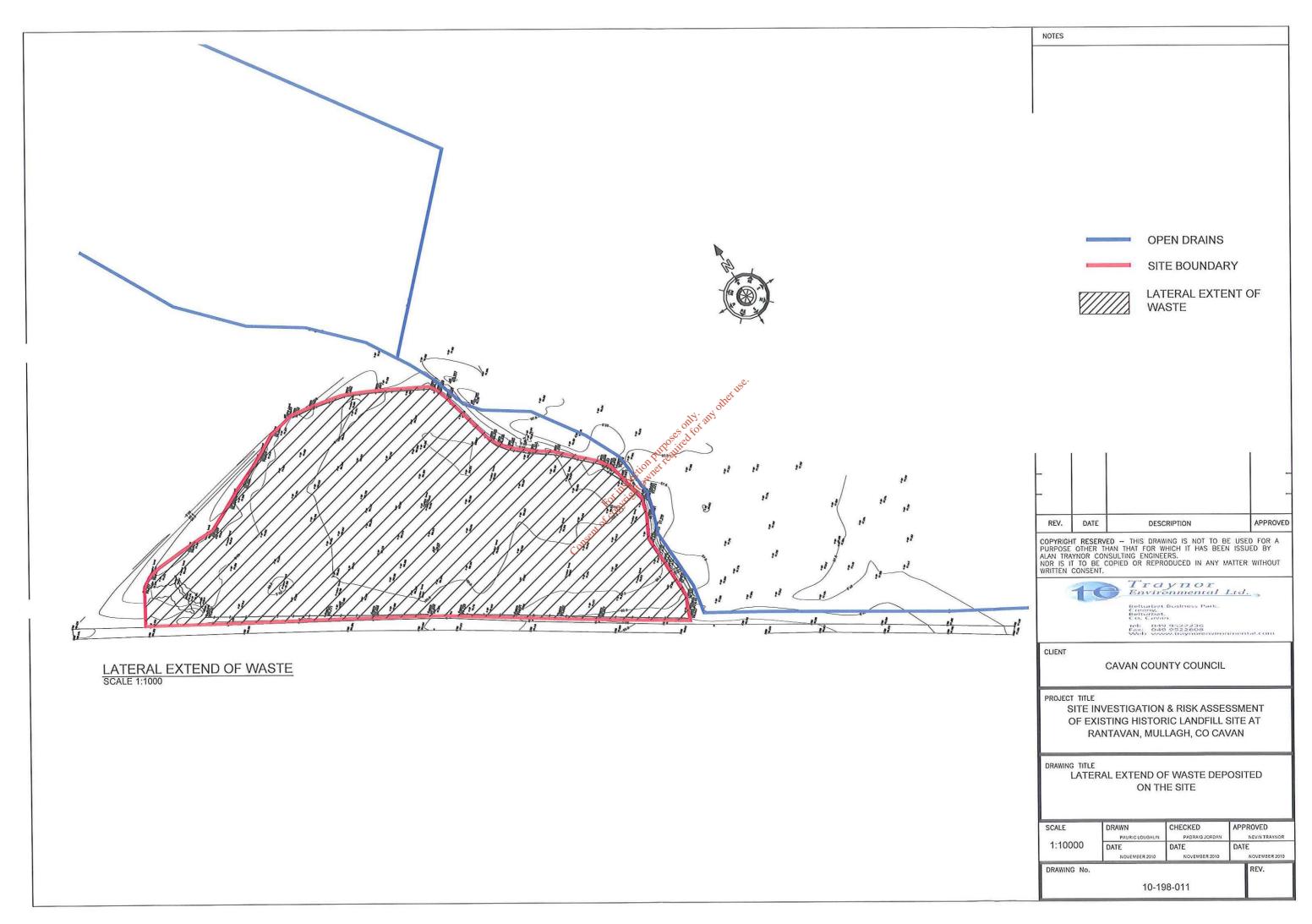


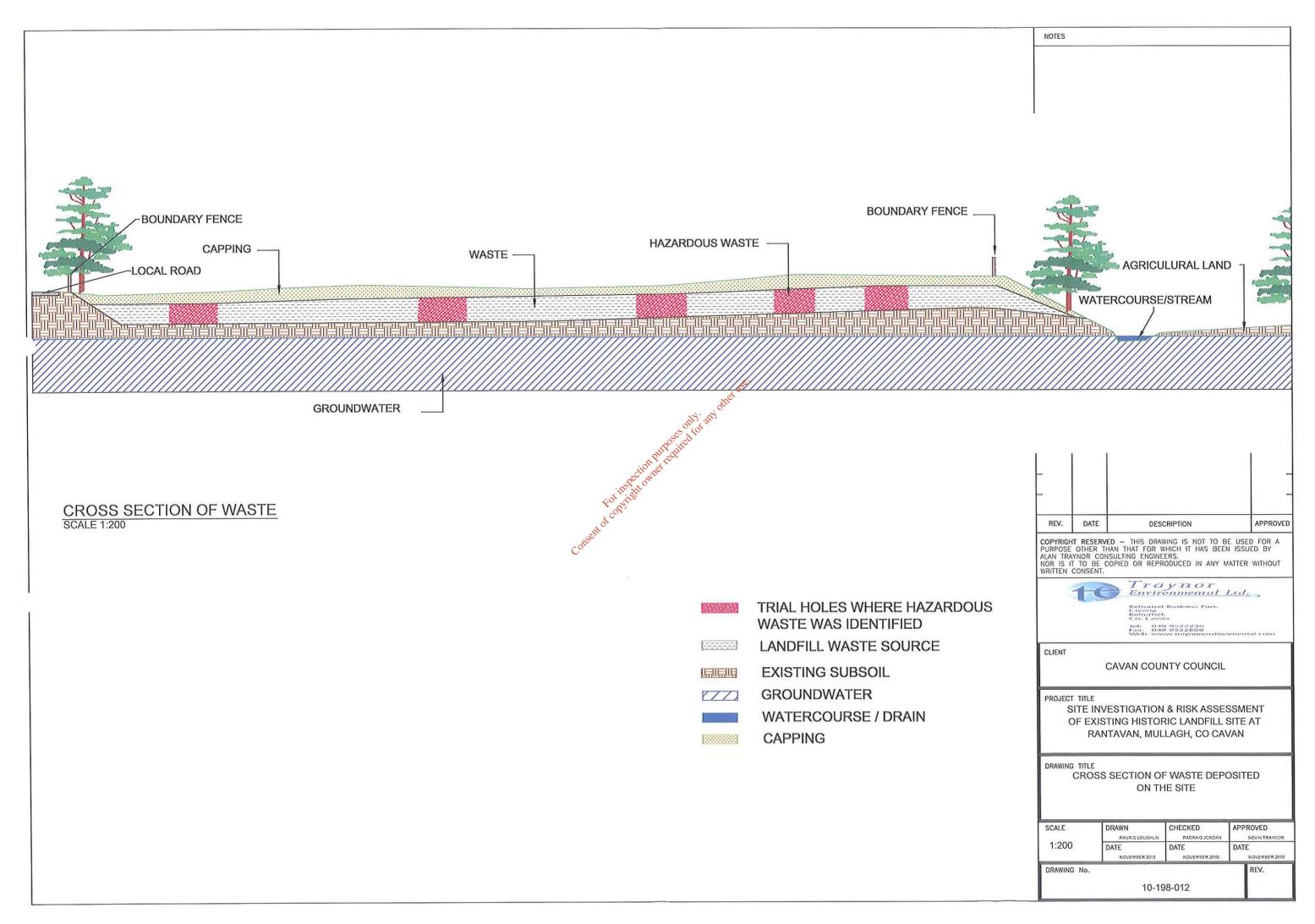


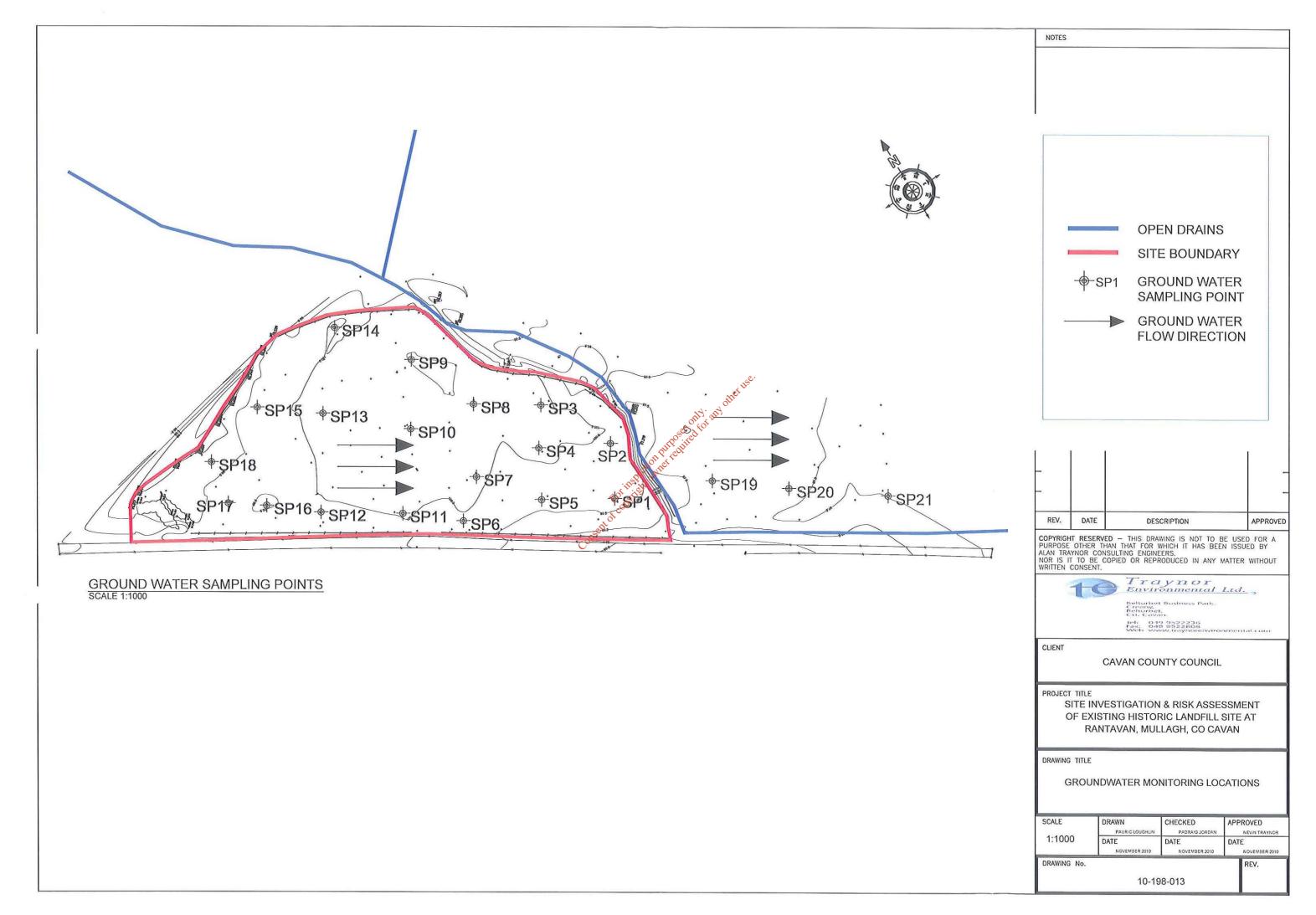


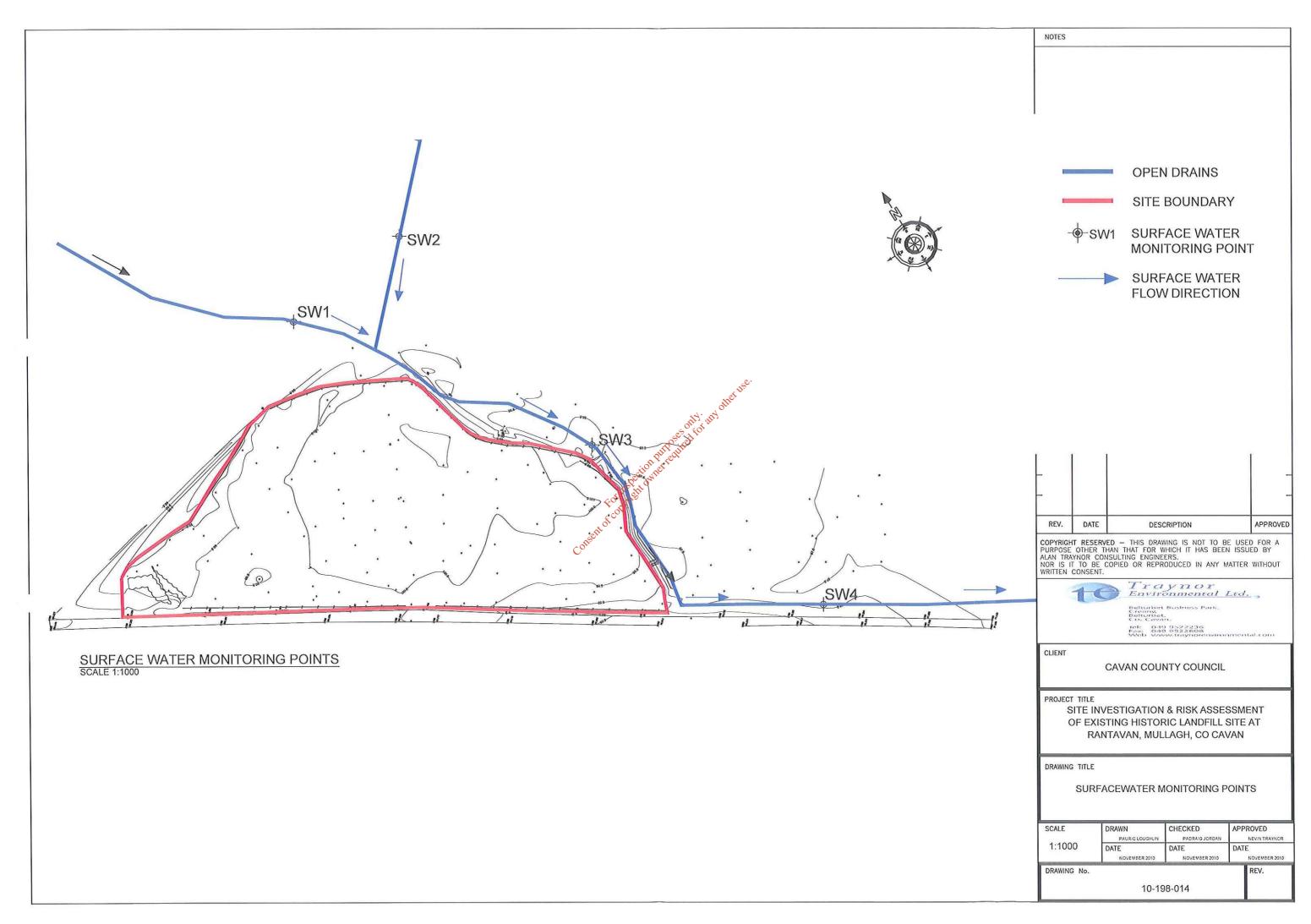


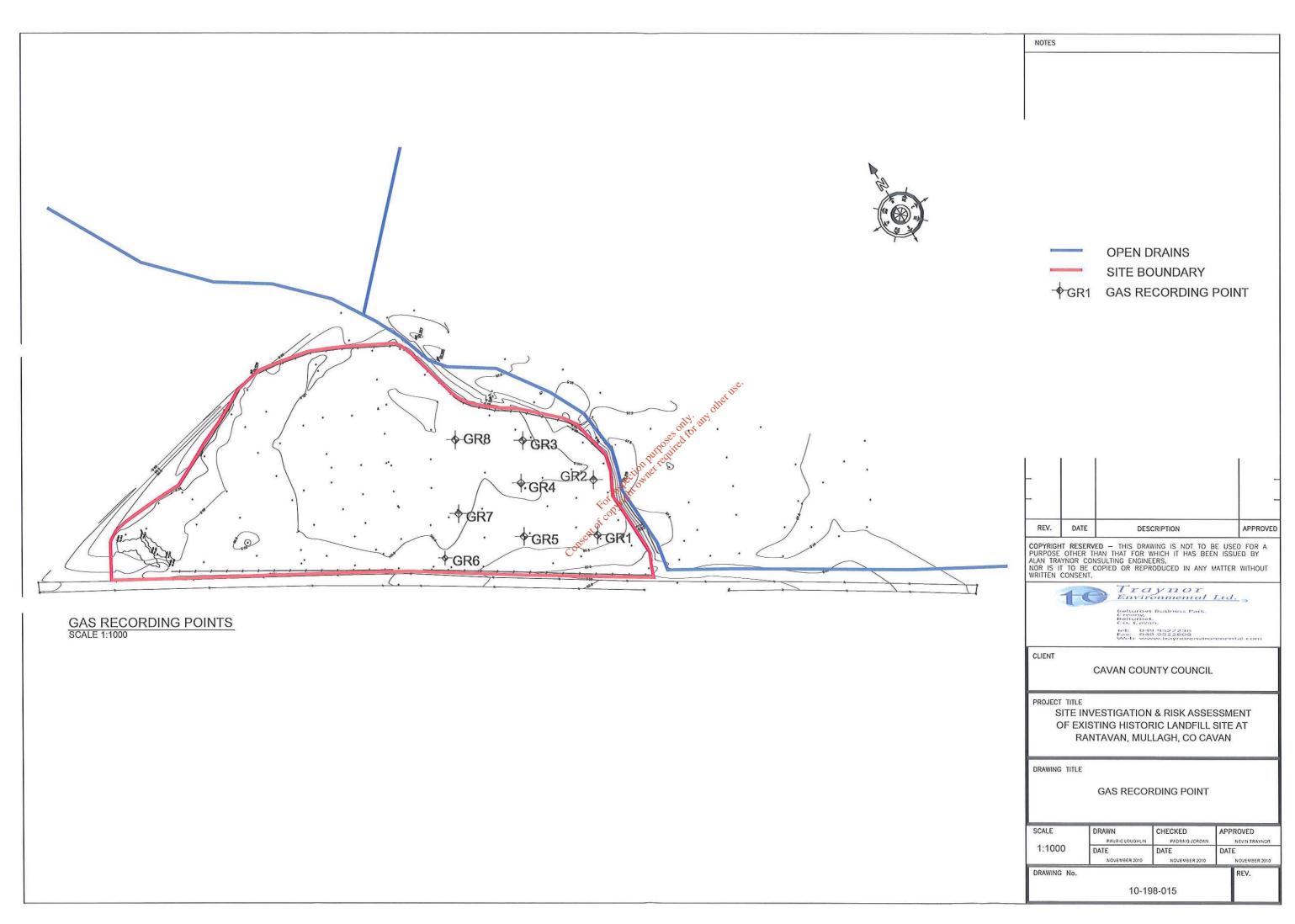


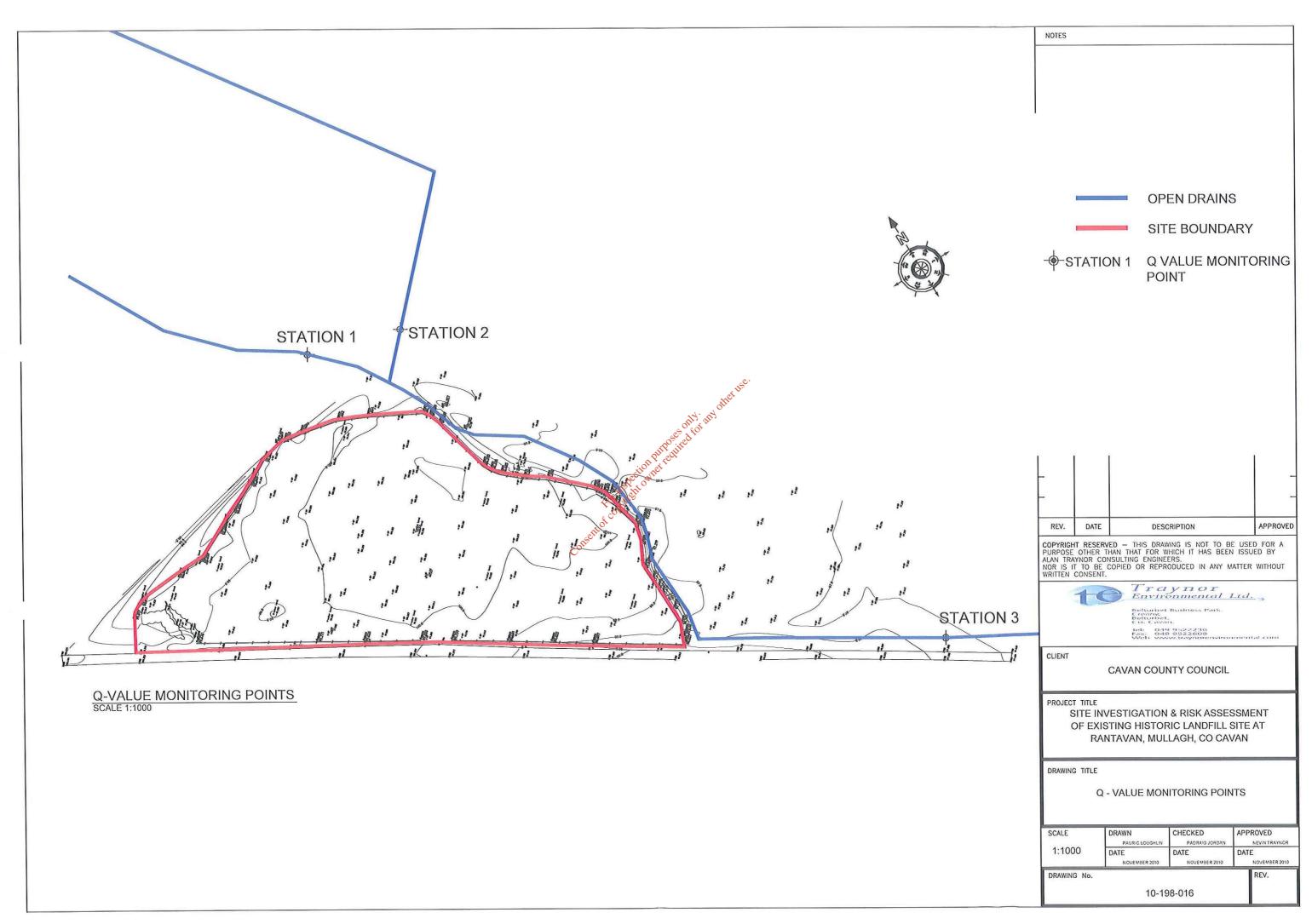


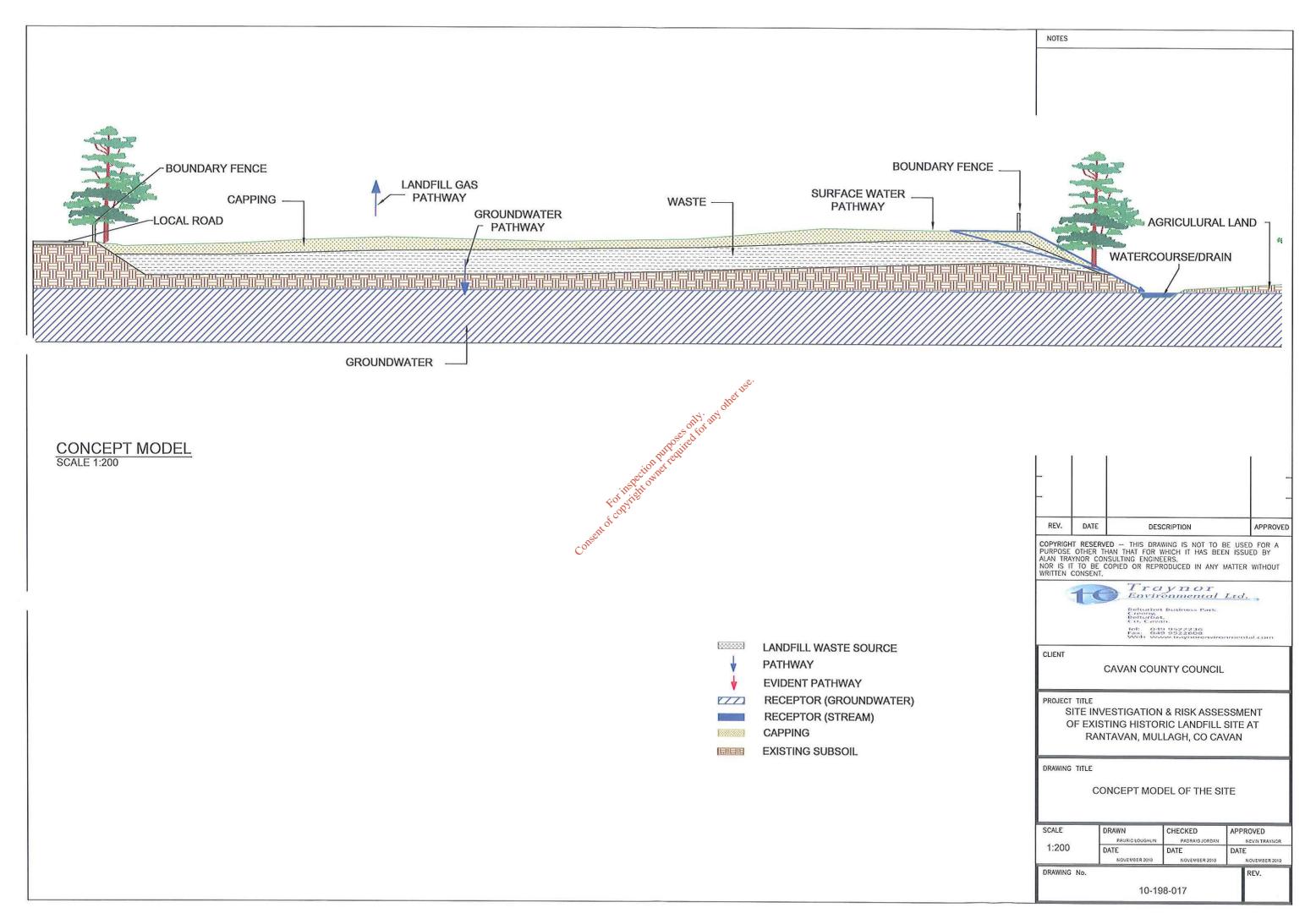


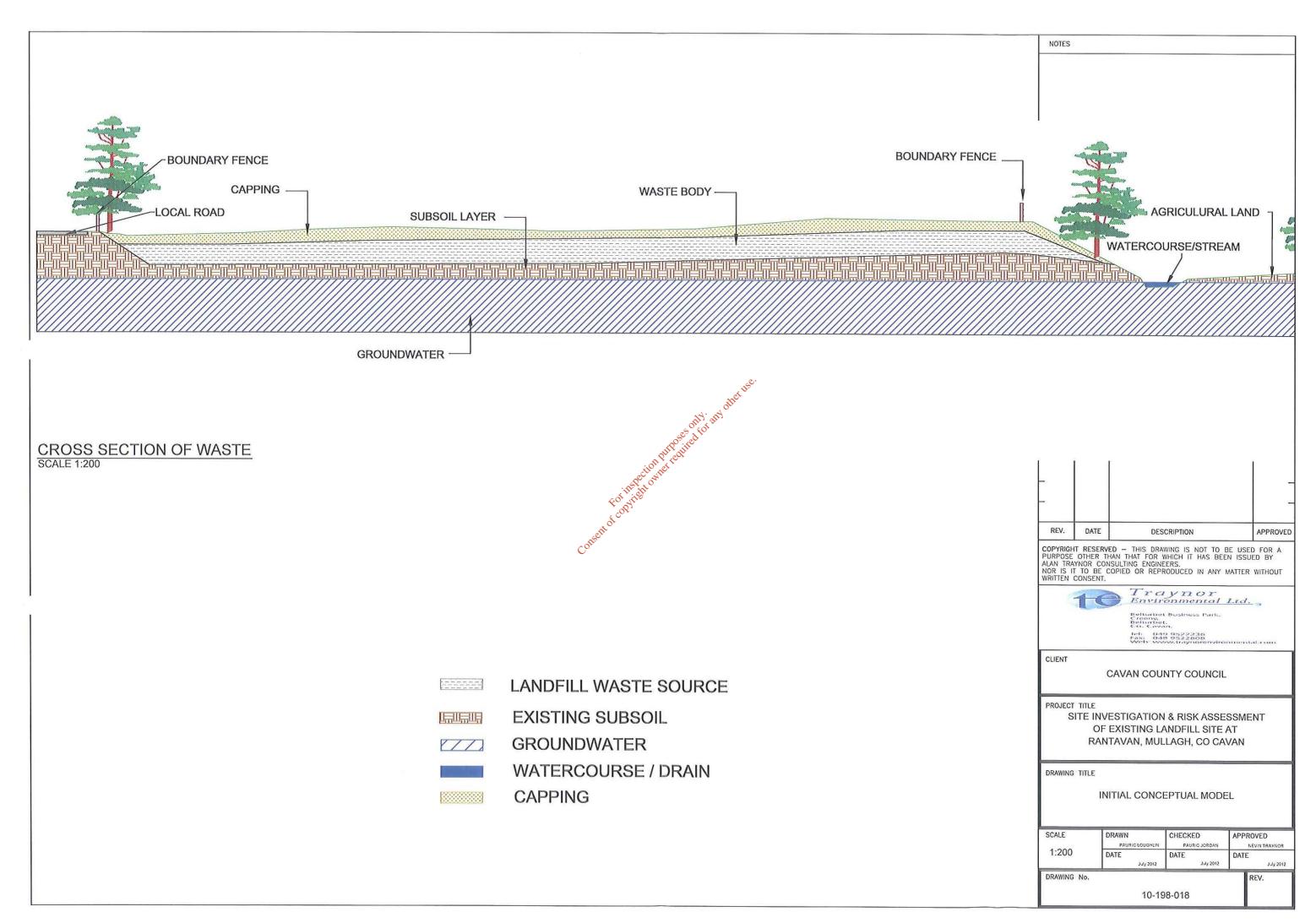


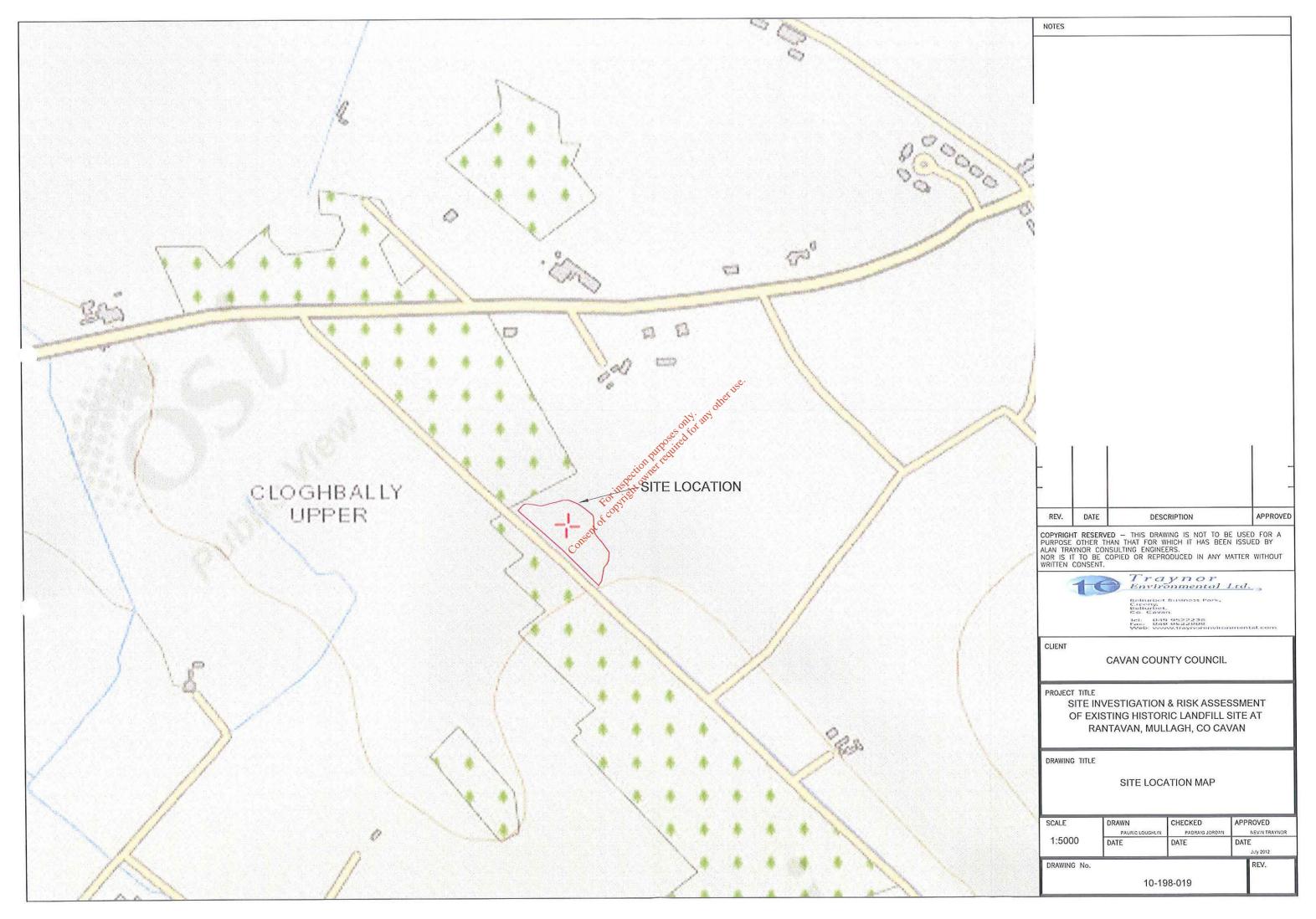








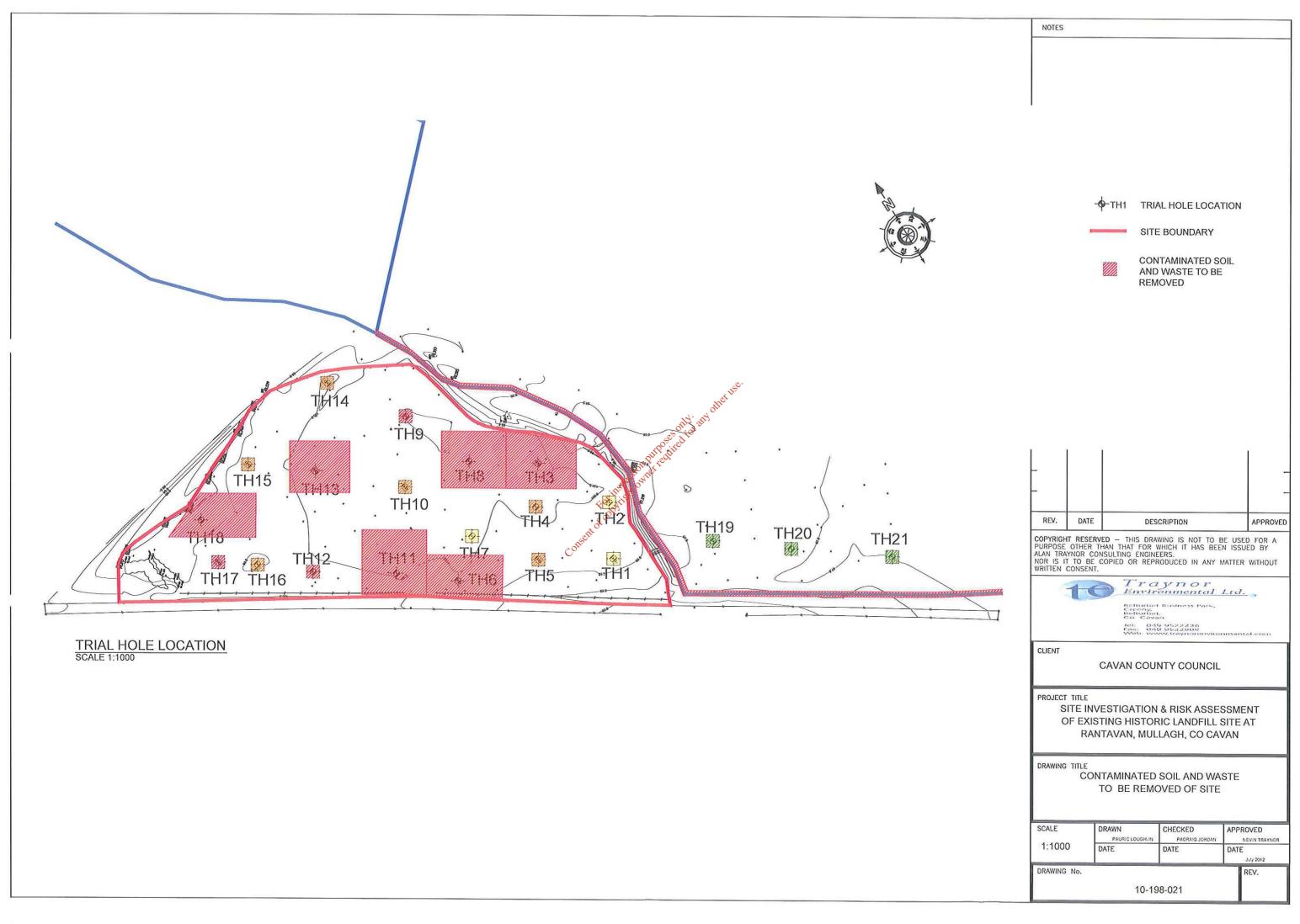


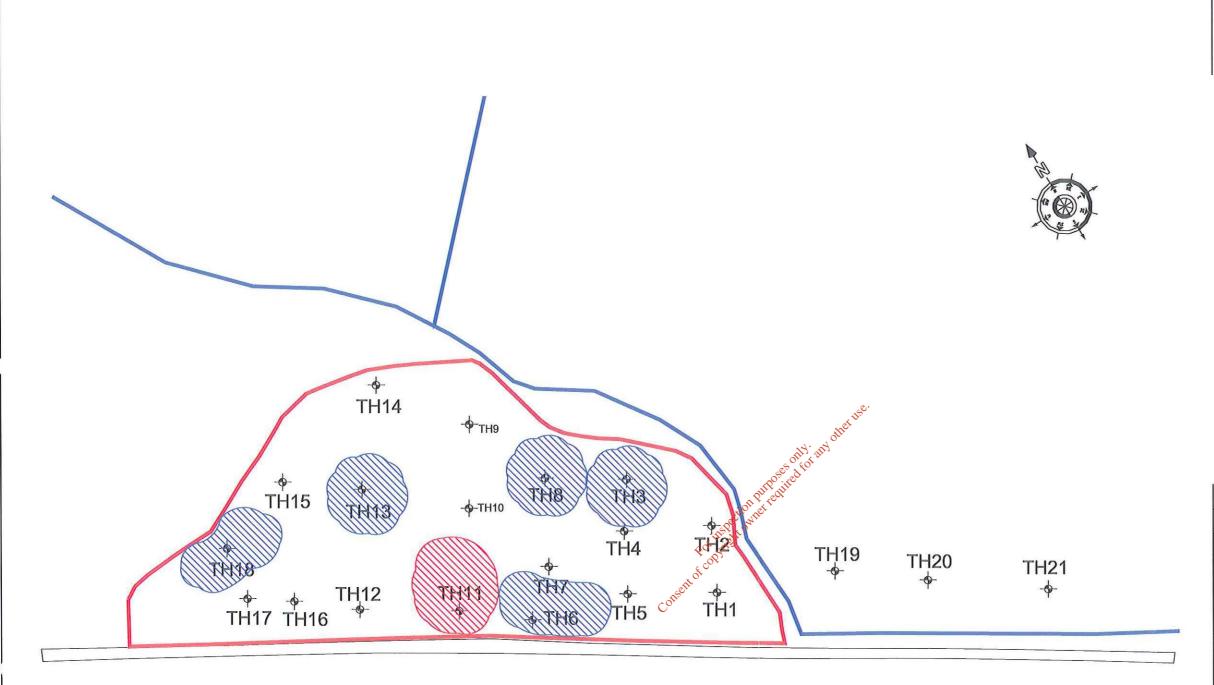




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Environmental Ltd. fel: 049 9522236 Fax: 049 9522808 Web: www.traynore CLIENT CAVAN COUNTY COUNCIL PROJECT TITLE SITE INVESTIGATION & RISK ASSESSMENT OF EXISTING HISTORIC LANDFILL SITE AT RANTAVAN, MULLAGH, CO CAVAN CONTAMINATED SOIL AND WASTE TO BE REMEDIATED APPROVED SCALE DRAWN CHECKED PAURIC LOUGHLIN PADRAIG JORDA NEVIN TRAYNOR 1:1000 DATE DATE DATE DRAWING No. REV. 10-198-020





CONTAMINATED GROUNDWATER TO BE TREATED

TH1 TRIAL HOLE LOCATION OPEN DRAINS SITE BOUNDARY

NOTES

CONTAMINATED GROUNDWATER TO BE TREATED ON SITE THROUGH A INTERCEPTOR

CONTAMINATED GROUNDWATER TO BE REMOVED TO RILTA

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CAVAN COUNTY COUNCIL

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SITE INVESTIGATION & RISK ASSESSMENT OF EXISTING HISTORIC LANDFILL SITE AT RANTAVAN, MULLAGH, CO CAVAN

DRAWING TITLE

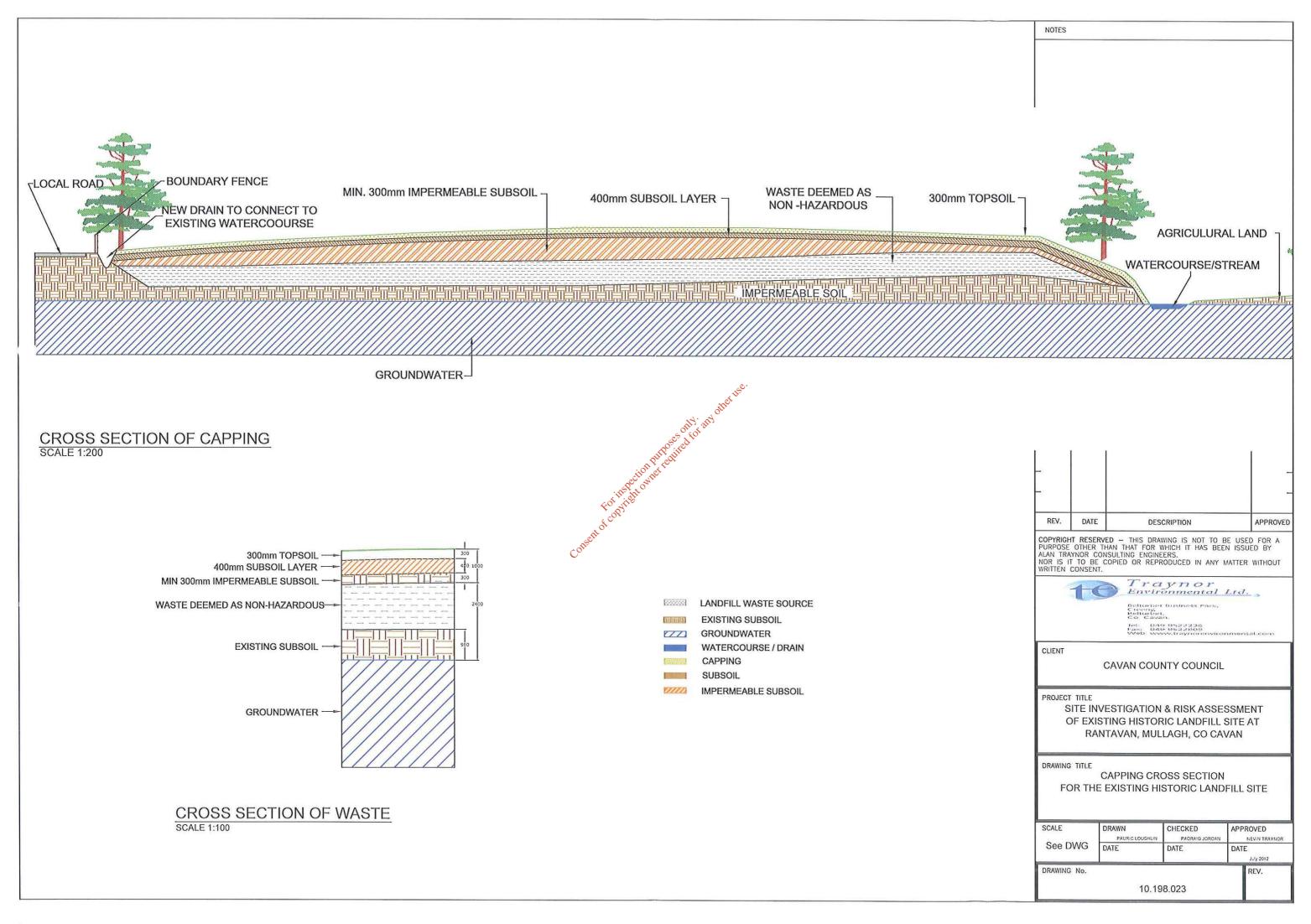
GROUNDWATER TO BE TREATED ON SITE AND WASTE REMOVED TO RILTA

SCALE DRAWN CHECKED APPROVED PAURIC LOUGHLI PADRAIG JORDAN 1:1000 DATE DATE

DRAWING No.

10.198.022

REV.



LANDSCAPE MASTERPLAN

PLANTING LEGEND

Trees suitable for 2m wide screening belt along road to front of the site and fenced boundary to the east. (* indicates native species)

Ta	II/Medium	tree

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No.	Species	Height at year 20(m)	Remarks
1	Silver birch * Betula pendula	9	fast growing, useful nurse crop, tolerates low fertility
2	Common alder * Alnus glutinosa	8	nitrogen fixing, grows well in damp areas, good for wildlife
3	Sycamore Acer pseudoplatanus	8	tolerant to exposure and air pollution, good for wildlife
4	Scots pine * Pinus sylvestris (conifer)	7	visually attractive tree, grows well on poor exposed sites

No.	Species	Height at year 20(m)	Remarks
5	Holly* Illex aquifolium	3	good for wildlife and screening
6	Hawthorn * Crataegus monogyna	4	commonly found in hedgerows, attractive tree with white blooms in the spring and deep red haws in autumn
7	Rowan * (mountain ash) Sorbus aucuparia	6	hardy tree suitable for exposed site, good for wildlife
8	Goat willow Salix caprea	4	associated with damp conditions

Trees suitable for central area of the Landfill site (* indicates native species)

Tall/Madium & Small trace



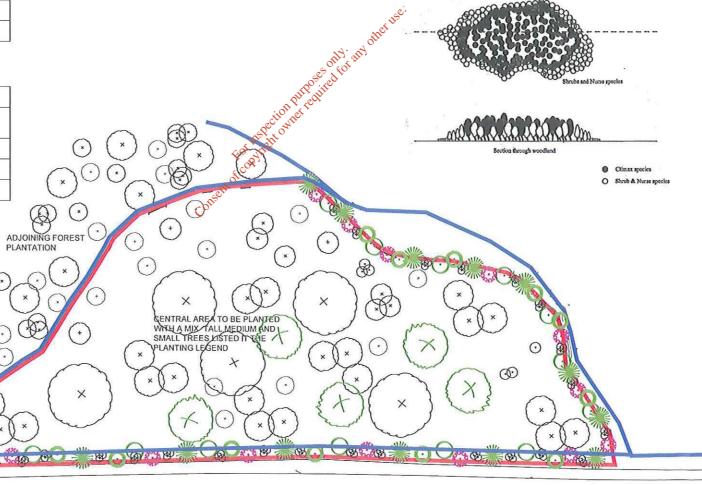
No.	Species	Height at year 20(m)	Remarks
1	Aspen * Populus tremula	8	grows well on poorer soils, suckers readily and tends to form groves of trees
2	Common Whitebeam* Sorbus aria	6	tolerant of exposed and coastal sites attractive amenity tree
3	Green alder Alnus viridis	2	
4	European larch	8	high amenity and wildlife value,

NOTES ON PLANTING

Trees should be planted when they are dormant, usually between late autumn and early spring (before the end of March). Autumn planting is preferred for broadleaves and some conifers. Care should be taken to avoid damage by frost during planting operations in mid-winter. Planting and subsequent maintenance must be carried out by competent an experienced

- All tress listed 1-8 should be planted in a staggered pattern to create a natural effect this will also encourage biodiversity and form a natural screening belt. See picture below of desired
- Small trees marked 5-8 should be inter planted among the larger trees marked 1-4
- Trees in the central area to be planted in a stagared fashion away from drains and inspection or sampling points.

All trees to be spaced as per EPA Landfill Maduals



PROPOSED LANDSCAPE LAYOUT

SCALE 1:1000

SITE AREA: 0.7 HECTARES

OPEN DRAINS SITE BOUNDARY



LANDSCAPE SYMBOLS

All tree and shrub planting to be carried out, in accordance with EPA Maduels for Landfill Restoration and Aftercare.

-			-
REV.	DATE	DESCRIPTION	APPROVED

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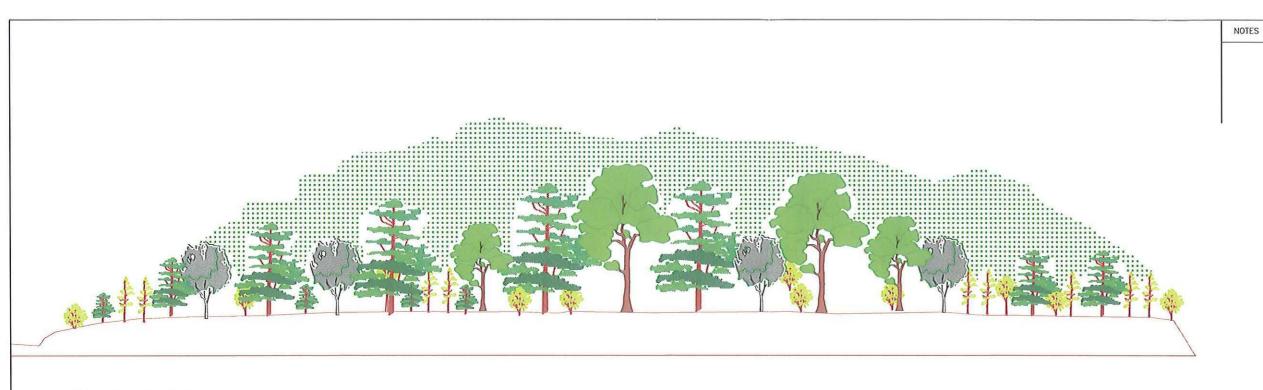
SITE INVESTIGATION & RISK ASSESSMENT OF EXISTING HISTORIC LANDFILL SITE AT RANTAVAN, MULLAGH, CO CAVAN

PROPOSED LANDSCAPE PLAN FOR THE EXISTING HISTORIC LANDFILL SITE

SCALE	DRAWN	CHECKED	APPROVED
1:1000	PAURIC LOUGHLIN	PADRAIG JORDAN	NEVIN TRAYNOR
	DATE	DATE	DATE
			July 2012

DRAWING No.

10.198.024



OPEN DRAINS SITE BOUNDARY

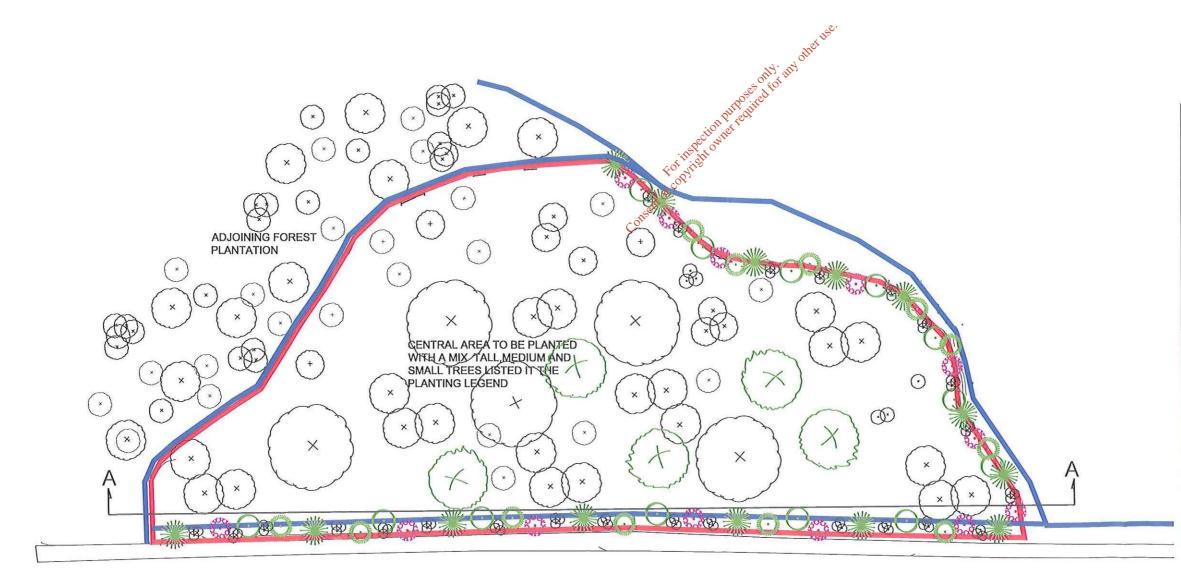


LANDSCAPE SYMBOLS

All tree and shrub planting to be carried out, in accordance with EPA Maduels for Landfill Restoration and Aftercare.

A-A CROSS SECTION OF PROPOSED LANDSCAPE
SCALE 1500

A-A CROSS SECTION OF PROPOSED LANDSCAPE



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SITE INVESTIGATION & RISK ASSESSMENT OF EXISTING HISTORIC LANDFILL SITE AT RANTAVAN, MULLAGH, CO CAVAN

PROPOSED LANDSCAPE CROSS SECTION FOR THE EXISTING HISTORIC LANDFILL SITE

SCALE	DRAWN	CHECKED	APPROVED
V5Y64Y6496V	PAURIC LOUGHLIN	PADRAIG JORDAN	NEVIN TRAYNOR
NTS	DATE	DATE	DATE
			July 2012

REV.

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DRAWING No.

10.198.025

