

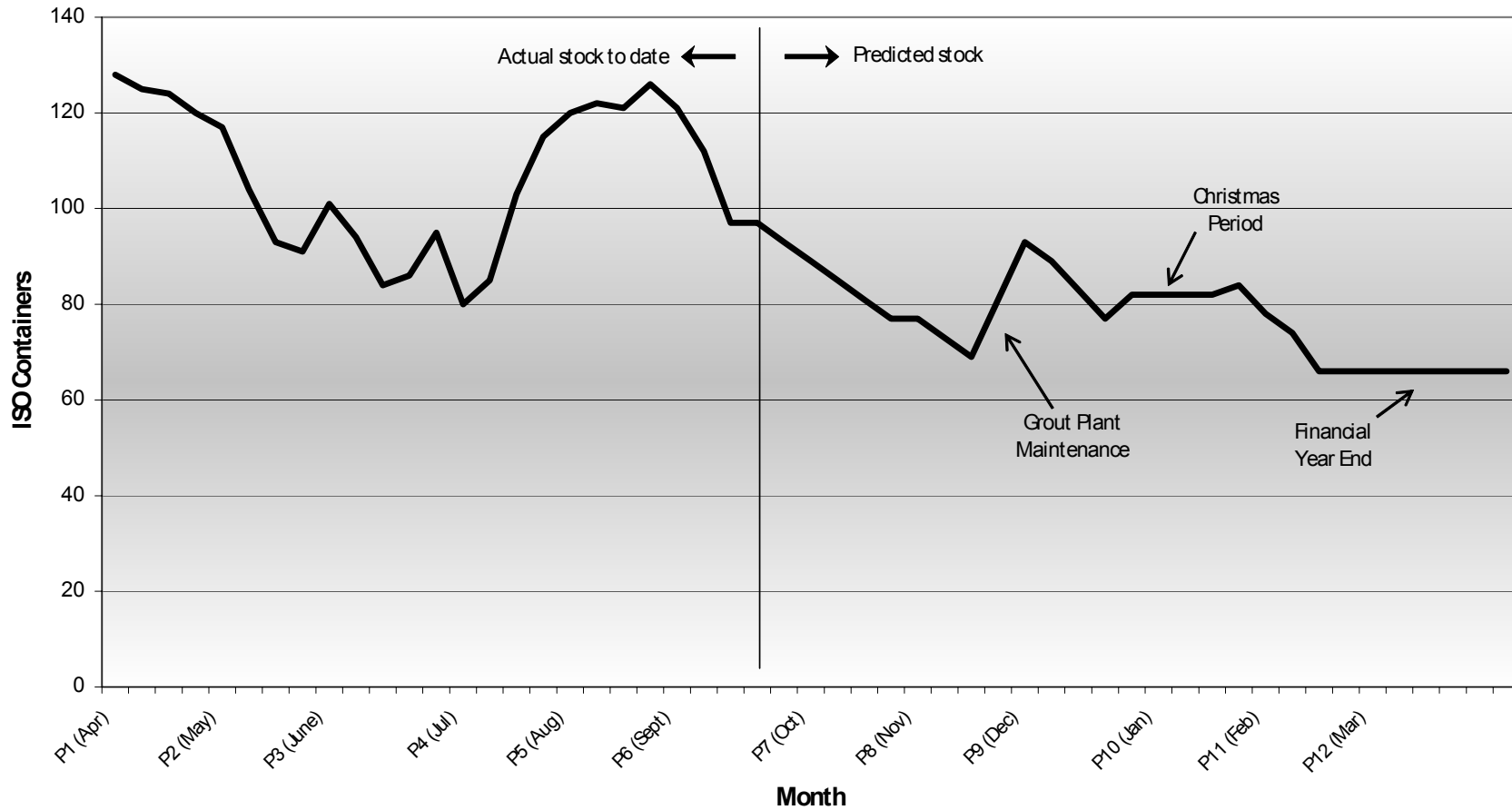


# British Nuclear Group

*Intelligent nuclear clean-up*

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# ISO Container Stock at the LLWR Rail Sidings



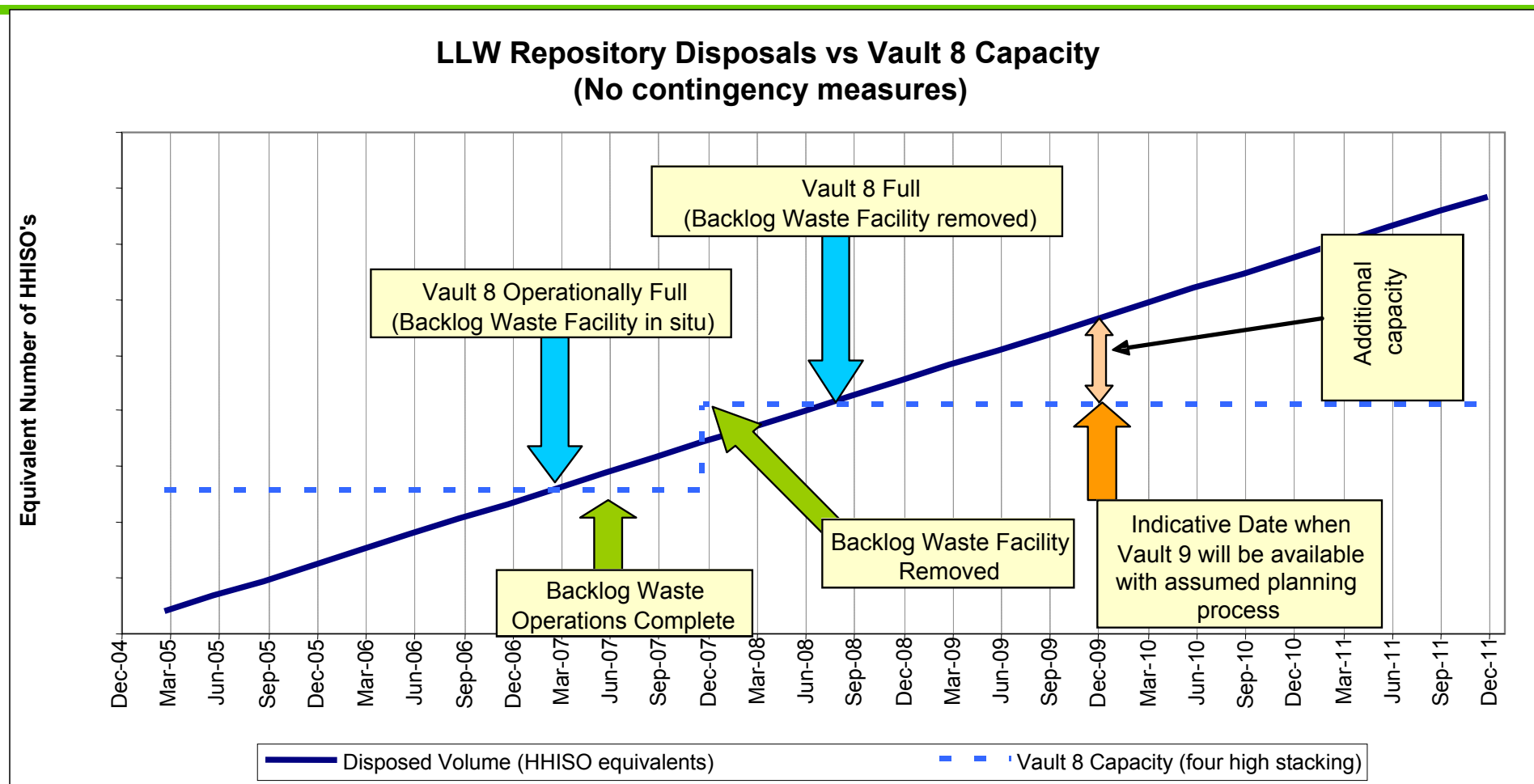
# Overview of Vault 8 Temporary Higher Stacking Planning Application

- *What's the issue: current Vault capacity*
- *What are the proposed solutions*
- *Vault 8 temporary higher stacking planning application*
- *Context of future vaults development and capping*

# Proposed Higher Stacking in Vault 8



# Outline the Situation



## Options from April and June Stakeholder Meetings

<b>Pinch Point/ Cont'ncy</b>	<b>Near term – Vault 8 Operationally full (1)</b>	<b>Longer term – Vault 8 Capacity Full (2)</b>
<b>Plan A</b>	Temp. Higher Stacking	Temp. Higher Stacking
<b>Plan B</b>	Sellafield Temp. Storage	PCM Slabs re-use
<b>Plan C</b>	Backlog Waste Acceleration	Vault 9 Operational Buffer Area

# Current Option Status

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- **V8 Temp Higher Stacking**
  - Planning submission to Cumbria County Council on 23<sup>rd</sup> August 2005.
  - Fork Lift Truck available
- **Contingency Storage Optioneering**
  - PCM Slab re-use, Sellafield and LLWR Areas
  - Targeting Optioneering Study completion Feb 06
- **Backlog Waste Acceleration**
  - WAMAC arrangements in place
  - Continue accelerating Back Log Waste operations
  - Better the 2007 facility removal date

## Planning Submission for Higher Stacking

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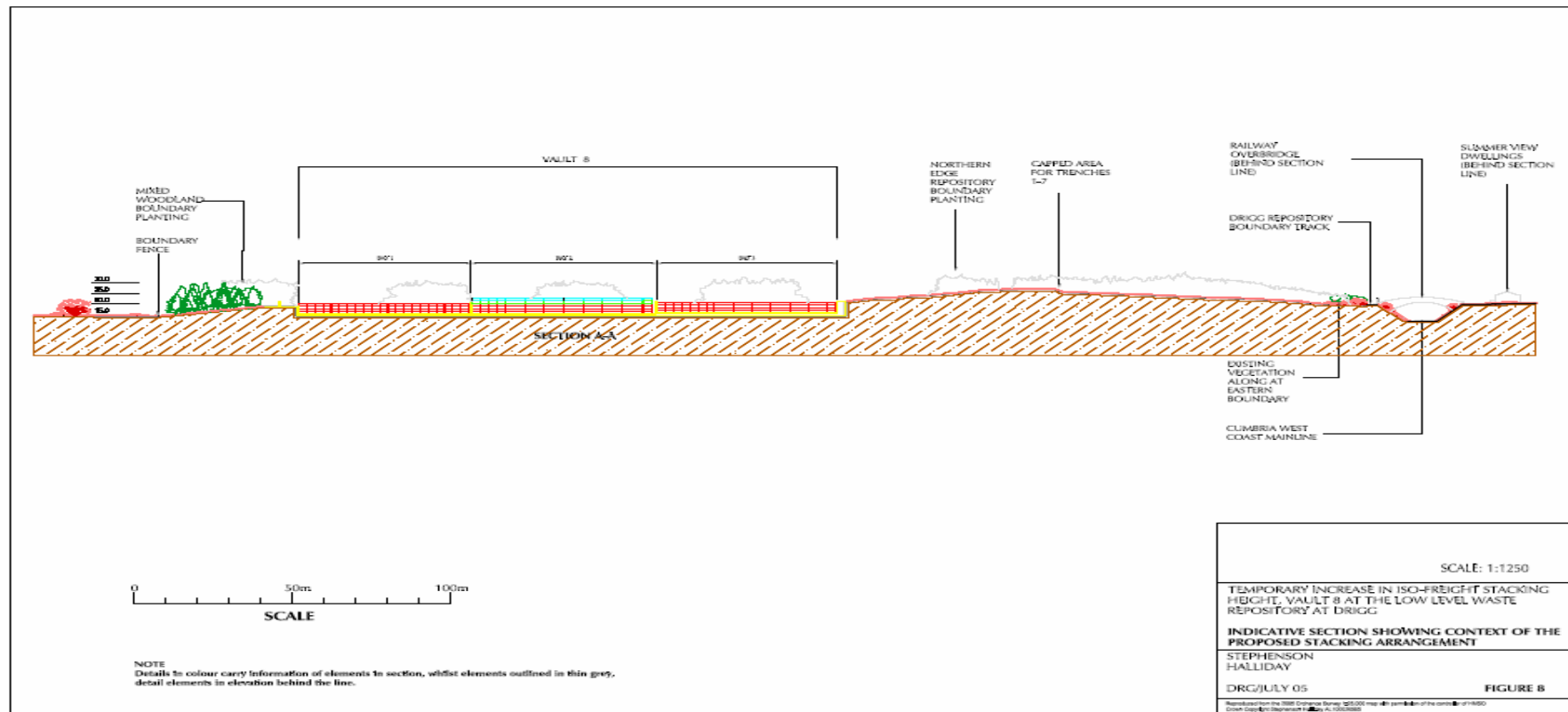
- Addresses comments (visual and noise) from original application made in November 2004.
- Submission is for temporary storage of additional containers (two above existing four high) in part of Vault 8 Bay 2 only
- Submission made on 23<sup>rd</sup> August 2005.
- Response within standard 16 week consideration period for CCC Planning Authority.
- Includes period for public consultation.
- Expect decision and commence before the end 2005.

## Container Dimensions Relative to Cap (Closure)

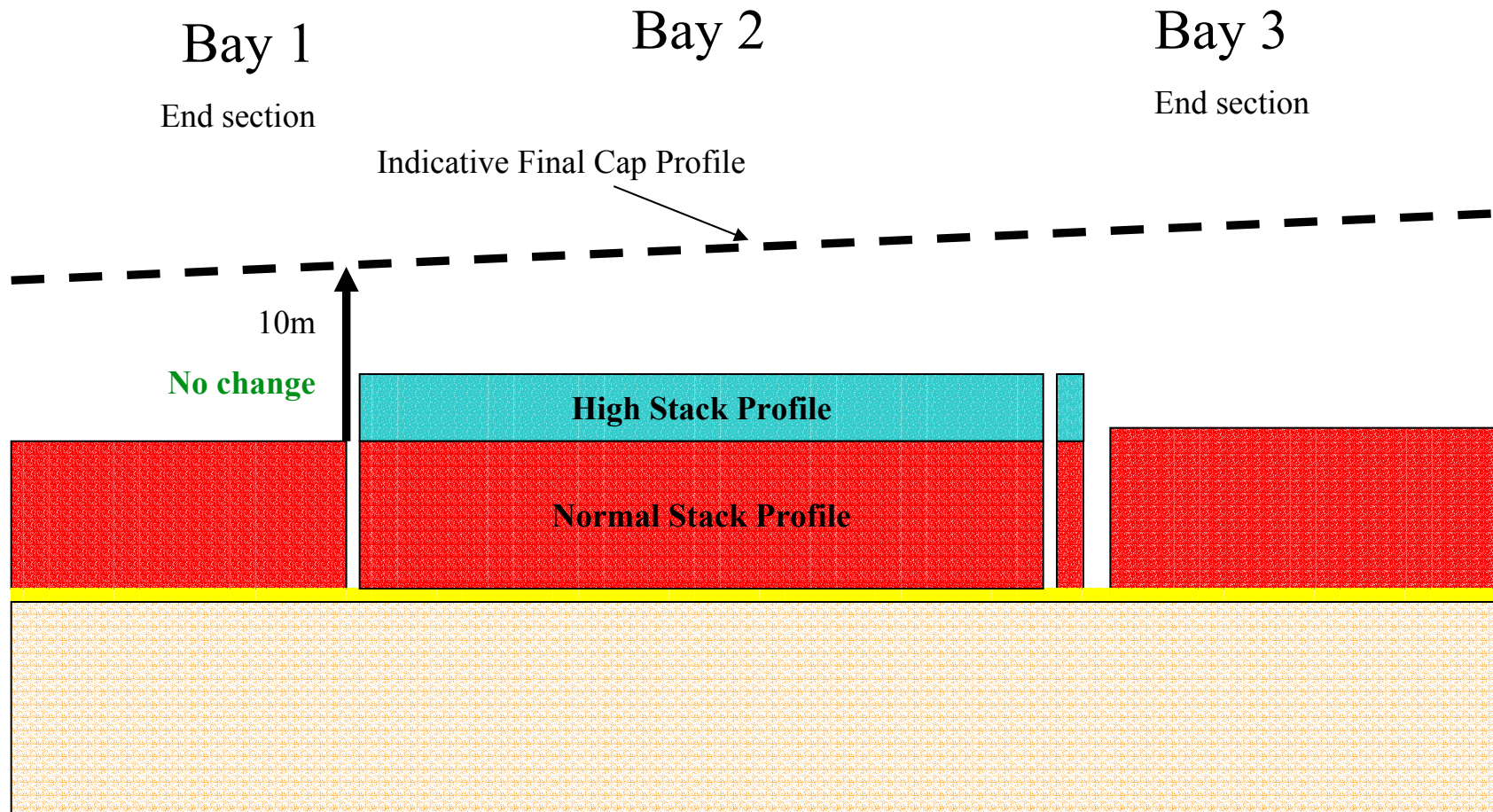
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- Two product half height containers 2640mm high
- Closure Cap Minimum 3000 mm at periphery to approx 10000mm at apex.
- Higher stacking in Bay 2 only
  
- Timescales Commence capping of Vault 8 in 2012
- Vault 9 available early 2010

# Cross Section of Site Showing Higher Stacking



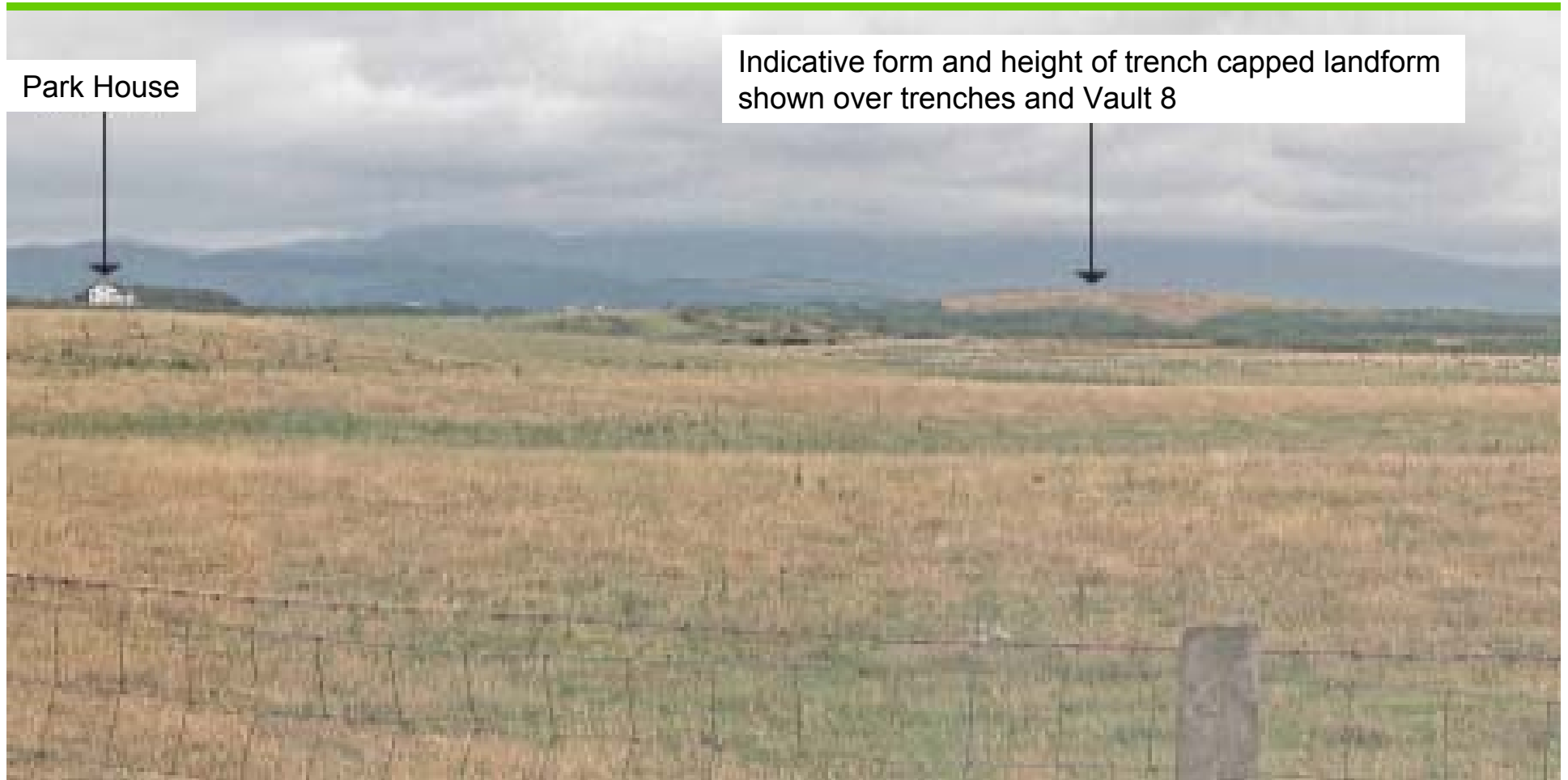
# Cross Section Showing Higher Stacking and Indicative Final Cap



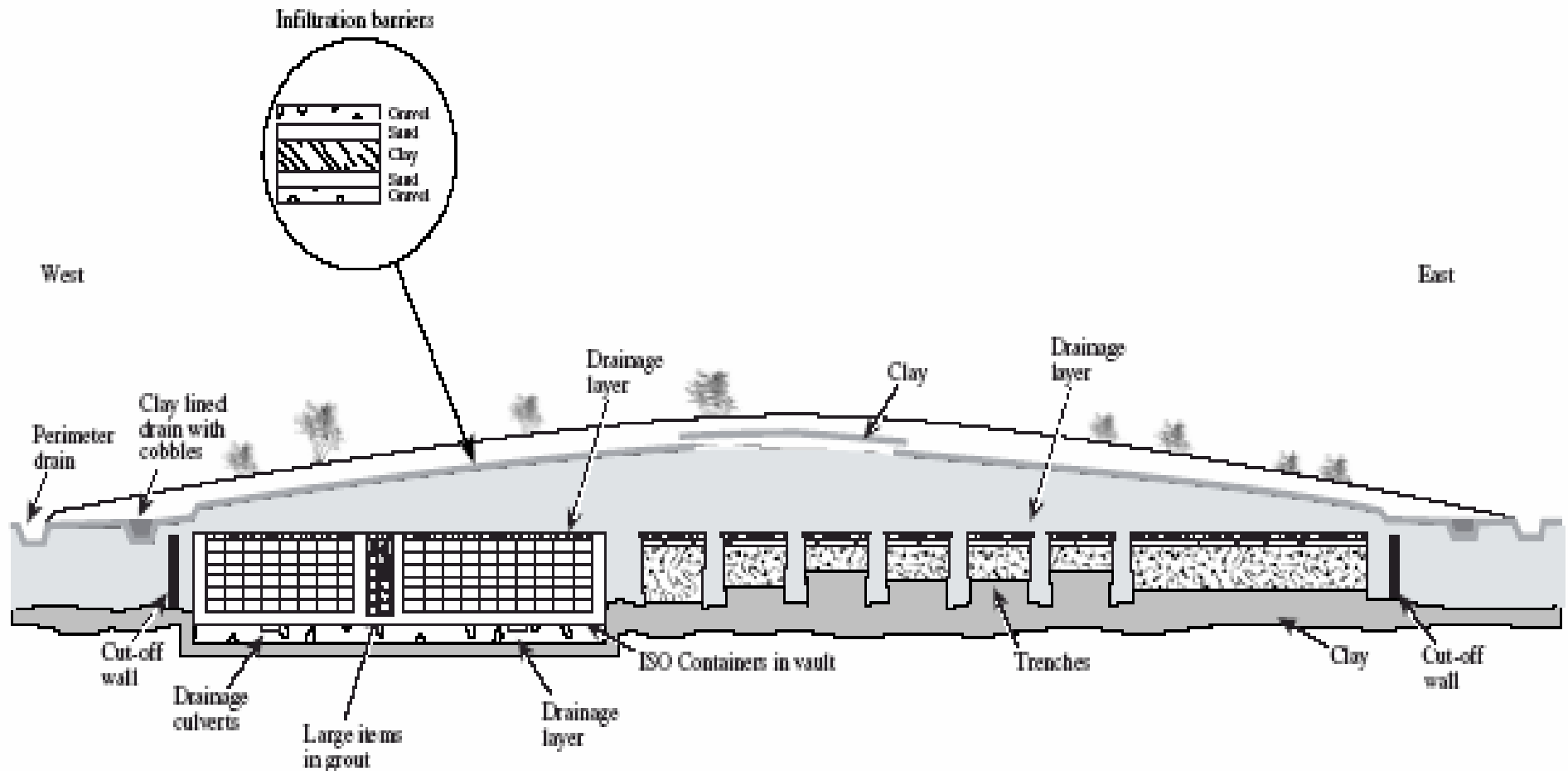
# Existing View From Seascale



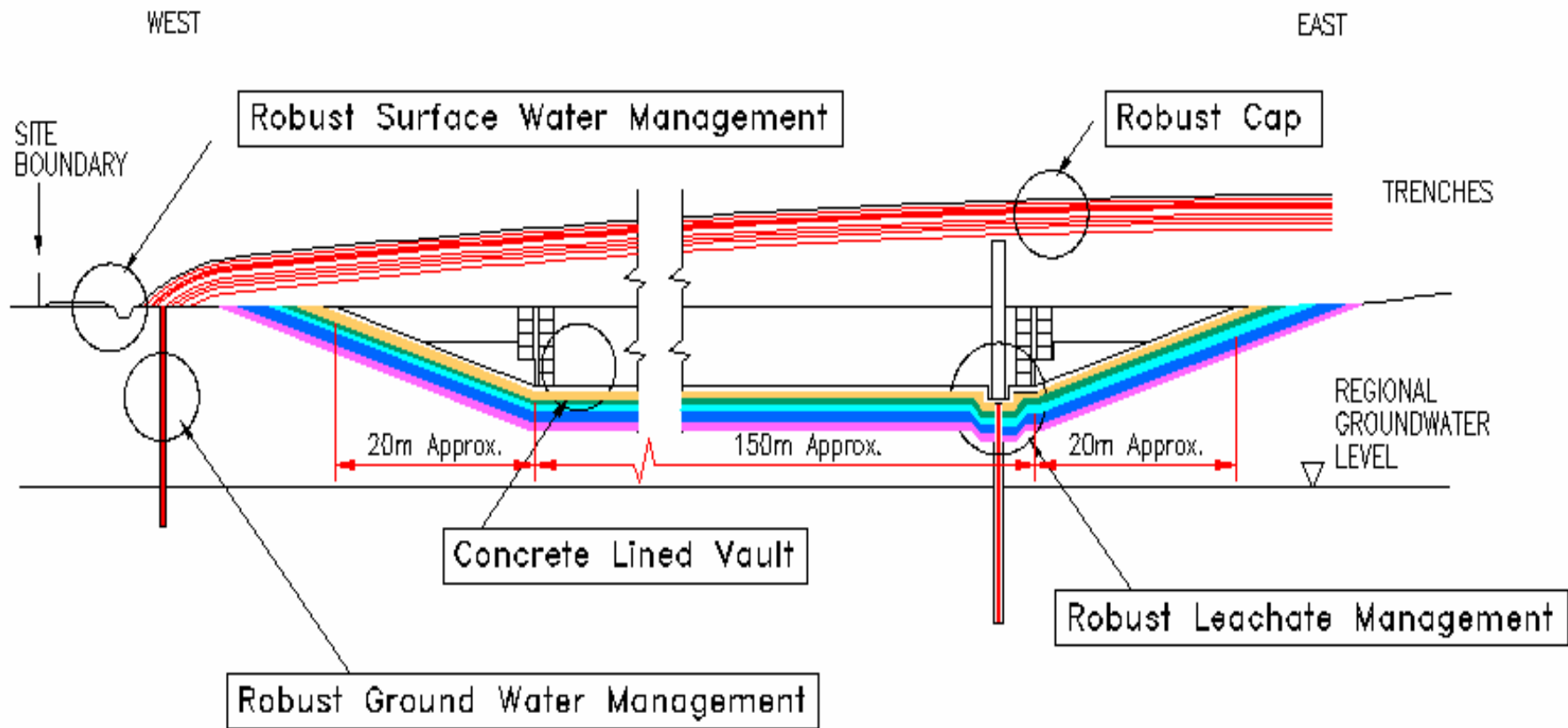
# Future View of Site From Seascale - Final Cap



# Cross Section Disposal Area After Final Capping (Not to scale)



# Preferred Modular Vault Option



# Modular Vaults Development

