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0.5m of fall on base with a french
drain from low point and leading to
an inspection pot on top of lagoon
(leak detection inspection chamber).

Embankment to be constructed and compacted
in layers not exceeding 225mm in depth.
Compaction plant to have sufficient compactive
effort and be appropriate for the fill material.
The base of the fills to be terraced flat into the
existing ground.

2mm impermeable geomembrane liner to base,
sideslopes, trench & crest.
Installed by CSWIP TWI Technicians + BGA
Accredited Company. All welded seams tested in
accordance with the TWI syllabus

Anchor Trench
Anchor trench, backfilled with soil, 500mm offset
from crest line.

1.80m Freeboard
Barbed wire
and mesh fence

0.75m Freeboard

30.00m

Impermeable sub soil
(min 20 - 30 % clay)

Posidrain leak
detection layer to base.

3.5mm thick geotextile
to sideslopes crest &
anchor trench

Scale V 1:100
H 1:100



Anchor Trench
Anchor trench, backfilled with soil,
500mm offset from crest line.

Lagoon

Delivery
Pipe

Concrete Pad

10.00m

5.00m

50.00m

Tanker abstraction
pipe 300mm HDPE

Leak detection
inspection chamber

Scale: 1:200

Rev	Description	Date	Dr by	App by
Original				



Residential - Agricultural - Commercial

Project	Proposed earth banked slurry store		
Drawing Title	Proposed Section Plan		
Location	Moss Lane Arowry Hanmer Wrexham SY13 2JX		
Client	Hanmer		
Scale (s)	See Plan @ A1		
Drawing No.	MZ-829-03	Rev	A
Drawn by	AZ	Date	2023/01/31

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