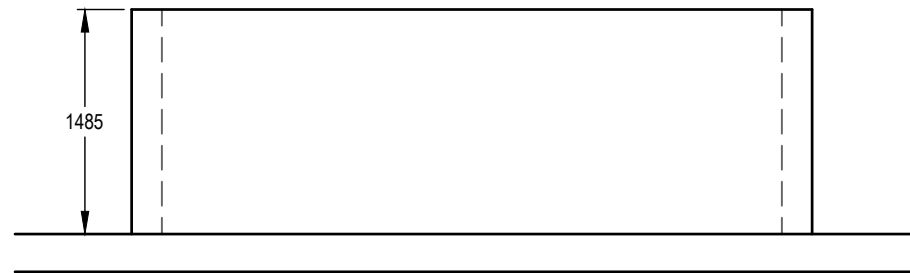


CX Tank Bund Plan  
Scale 1:50

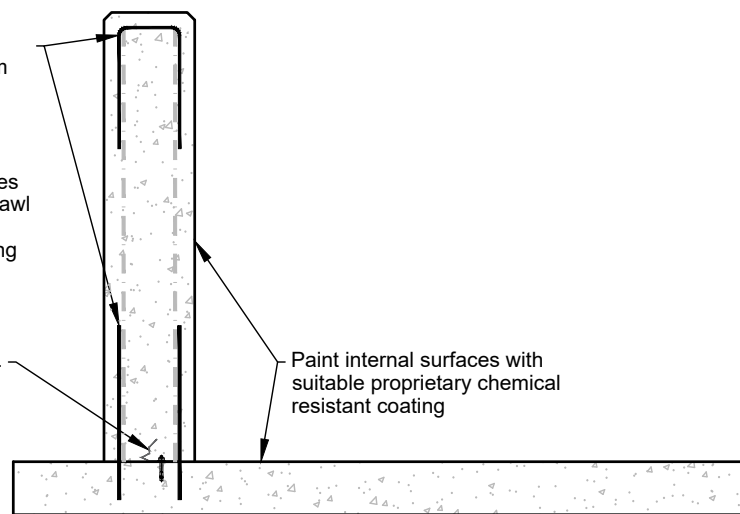


CX Tank Bund Elevation  
Scale 1:50

Walls -  
200mm C35 bund wall with 25mm  
chamfers on external corners.  
A142 (min) mesh each face with  
50mm cover.

H10 starter bars @ 200mm centres  
with 125mm embedment using Rawl  
R-KEX II  
H8 U-bars at 200mm centres along  
top

Scabble surface of existing slabs.  
Install Bundseal W1R stainless  
steel waterbar (or similar)



Typical Section  
Scale 1:25

#### Notes

1. All dimensions are in millimetres.
2. All levels are in metres and relate to local site datum.
3. Structural concrete to BS 8500.
4. Bunded containment designed to CIRIA C736
5. All reinforced concrete to be mechanically vibrated to ensure thorough compaction.
6. Minimum cover to reinforcement to be 50mm.
7. Wall reinforcement to be in centre of the wall.
8. Reinforcement laps to be:  
H10 400mm min.  
Mesh 400mm min.
9. 25mm arrises on all external corners
10. Resin fixings must be installed as manufacturers instructions.
11. All concrete surfaces to be treated by spraying with Fosroc Concure WB concrete curing compound or similar approved.
12. Density of stored material 1000kg/m<sup>3</sup>
13. Bund walls designed for 150mm freeboard over full containment.
14. It is assumed that the existing slab is in good condition and is free from cracking, joints and settlement.
15. If in doubt, contact the Engineer.

This design has been undertaken as a Designer under CDM. Please refer to the guidance given by the Health and Safety Executive regarding Contractor and Client Roles and Responsibilities under CDM 2015.

Maximum storage = 11.5 m<sup>3</sup>  
Bund storage volume = 12.65m<sup>3</sup>  
(i.e. 110% stored material)

**BARNARD**  
**ENGINEERING LTD**

Civil and Structural Engineers

Rev -	Project	CX Tank		
	Client	M & I Materials		
Drawn	A Barnard	Date	9th Sept 2021	
Scale	1:150 & 25 @ A3		Title	Concrete bund walls
	Drawing number	22139-01	rev.	-