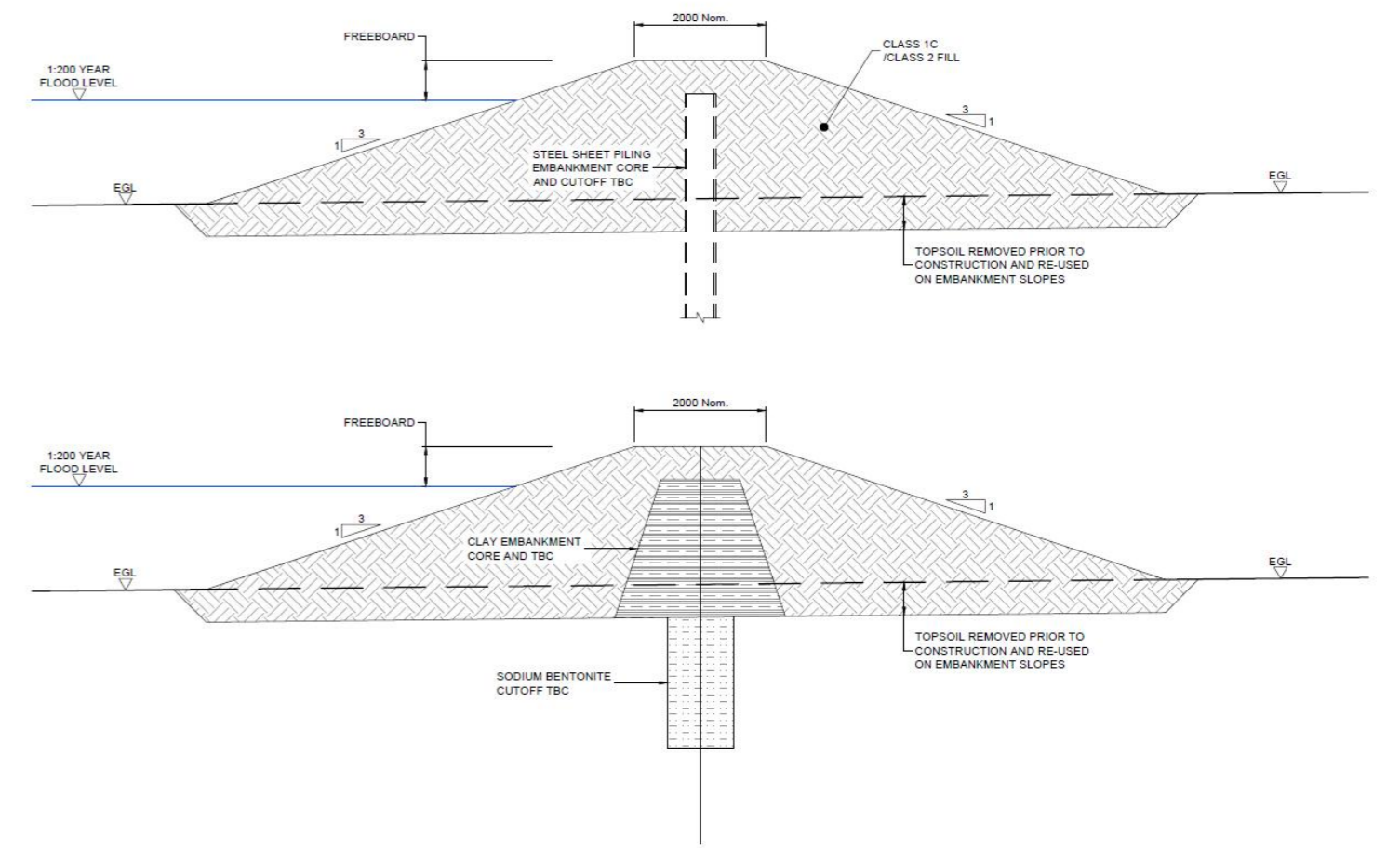


Board 7: Embankment, Wall & Two Stage Channel Design

Embankment Design

Embankments constructed with impermeable core (to prevent water seeping through), then covered in earth to compliment surroundings.

Used as a first choice where possible, but constrained by the amount of space that may be available.



Wall Design



New walls would be constructed with reinforced concrete (to withstand forces from flood water) and then clad with masonry (for aesthetics).

Where defences are higher and may restrict views across the river, there is the potential to construct glass viewing slides at the top of the defence.



Fisherman's access to river maintained through steps up and over proposed walls.

Defences placed back from edge of river to simplify constructions.

Some areas will make use of existing walls in Newton Stewart, which will be upgraded.

Two-Stage Channel Design

Lowering of ground on banks of river to provide increased capacity for flood water. This results in water being carried away from the town quicker throughout the storm, with a corresponding reduction in flood levels.

Additional potential for landscaping work to improve riverside paths and environment while two-stage channel is being designed.

Increased capacity for flood water

