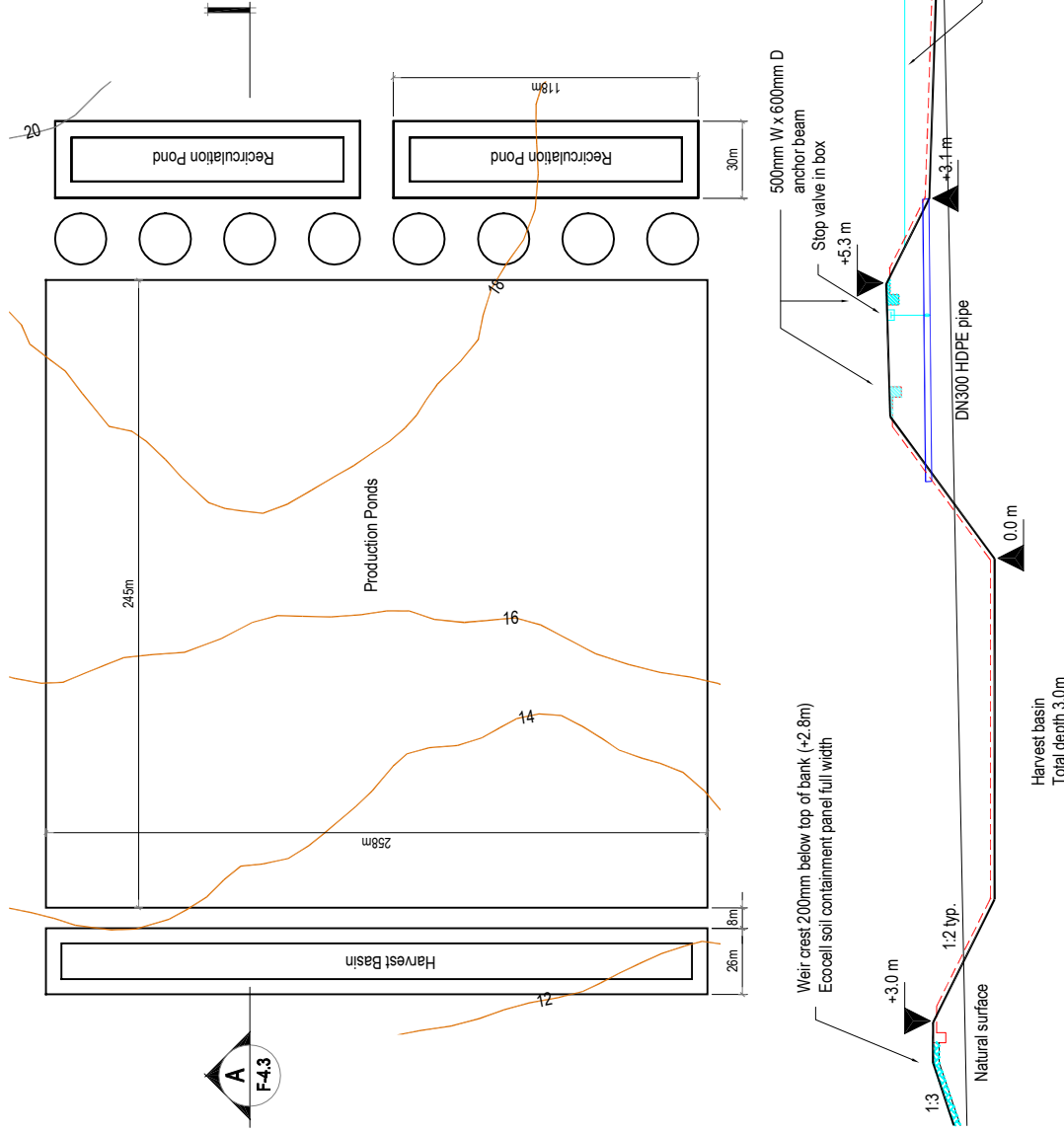
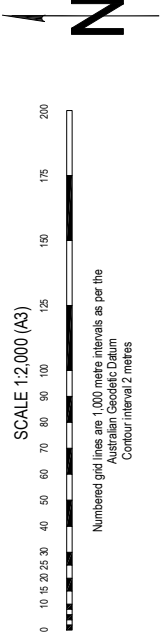


**General Notes**

1. Material for the construction of the pond wall is to be won from excavation of production ponds and offstream storage reservoirs, typically sandy silt gravel 1.2 - 2.3m below surface. The same material is to be placed and compacted within the Ecoell panels, overlying geotextile fabric, staked to manufacturers specification. Areas in fill are to be constructed on 300mm trimmed surface, remove all roots and vegetation.
2. HDPE 2.0mm plastic liner to be laid over trimmed and compact surface, free from stones.
3. All pipe penetrations to be HDPE pipe with flanged collar to seal liner to. All valve boxes to be concrete with trafficable covers. Provide DN300 uPVC pipe riser for valve spindle.
4. Pond operating depth 1.3m from bottom. Depth from crest to bottom 2.2m, freeboard of 200mm. Vertical overflow riser pipes to be DN300 HDPE with screened inlet, top of pipe at 2.0m above pond floor. Provide a stainless steel collar with 4 marine grade stainless steel guys to 0.3 x 0.3 x 0.3m concrete pads on pond floor for support.
5. Pond walls nominally 1:2 slope, maximum of 1:1.5. Batter to natural surface at edge of construction and for slope on overflow weir face at 1:3. Extend Ecoell panel 4m past toe.
6. 6m wide trafficable bund between ponds graded at 3% for drainage.



**Section A - Typical Cross Section**  
Scale 1:200



**Figure 4.3**  
**Production Pond Details**  
Map Produced By:  
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