

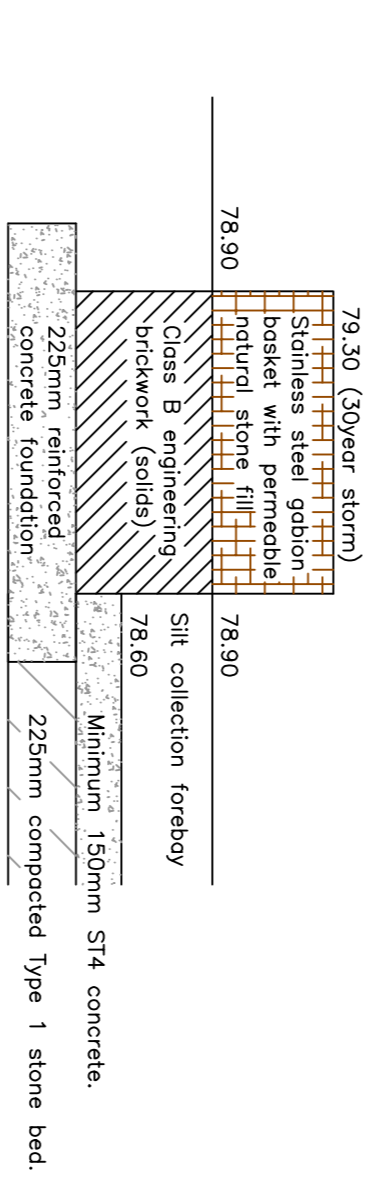
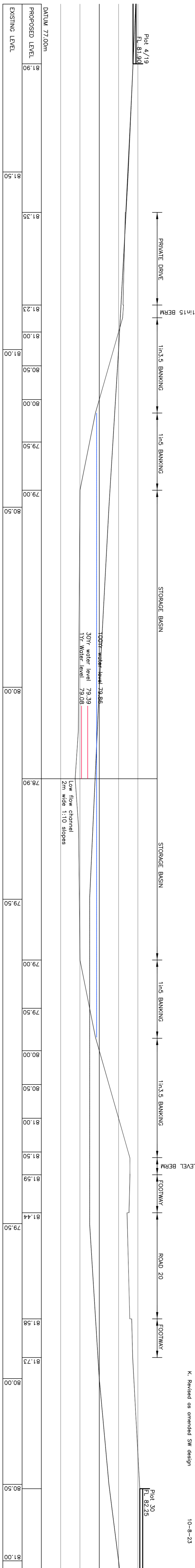
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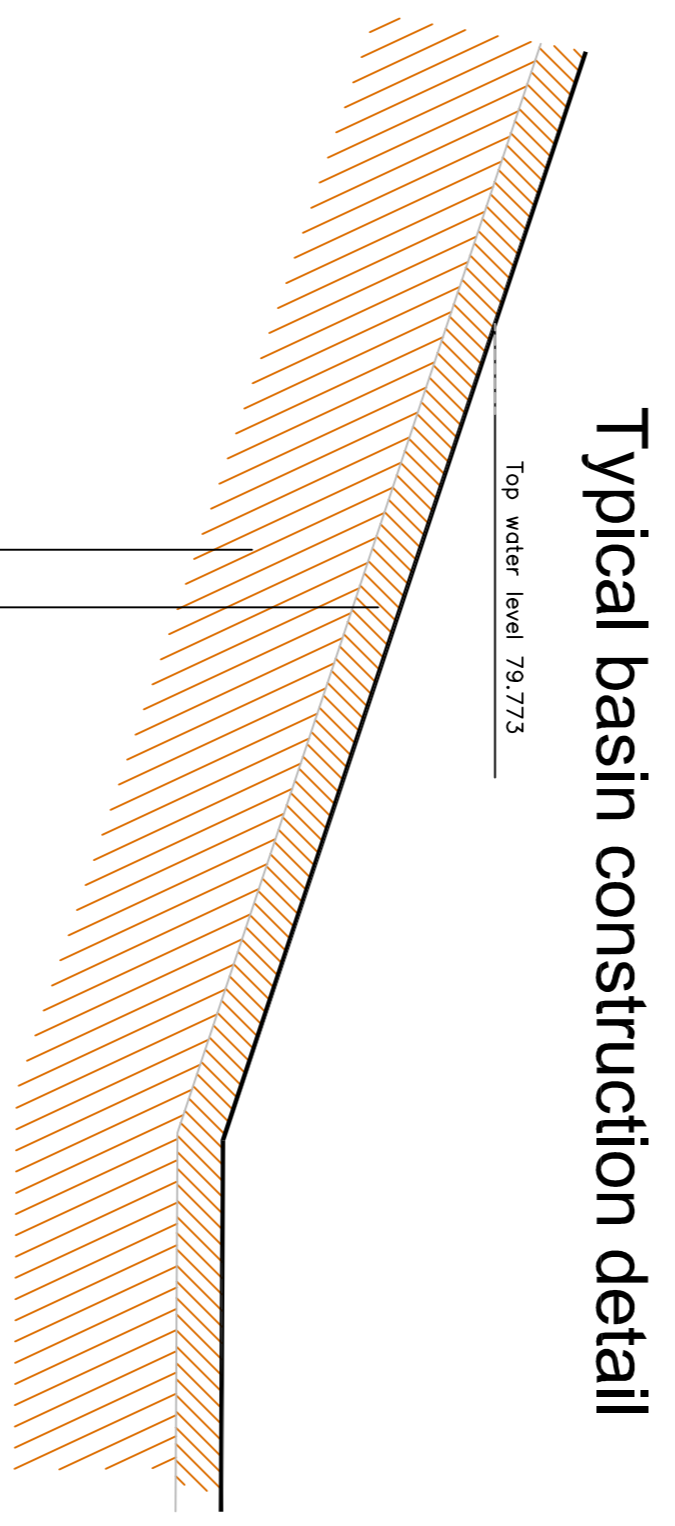
Basin details / sections

DRAWN BY: rab  
 SCALE: 1:25  
 DATE: AUG 21  
 DRAWING NO: 1083-12-9  
 REF: K

E. Full redesign following layout, changes and implementation of surface water storage basin  
 F. Full redesign following layout changes and current planning  
 G. Revised following UI comments  
 H. Drawing renumbered, sections revised  
 I. Further detail added for UI approval  
 J. Revised as amended SW design



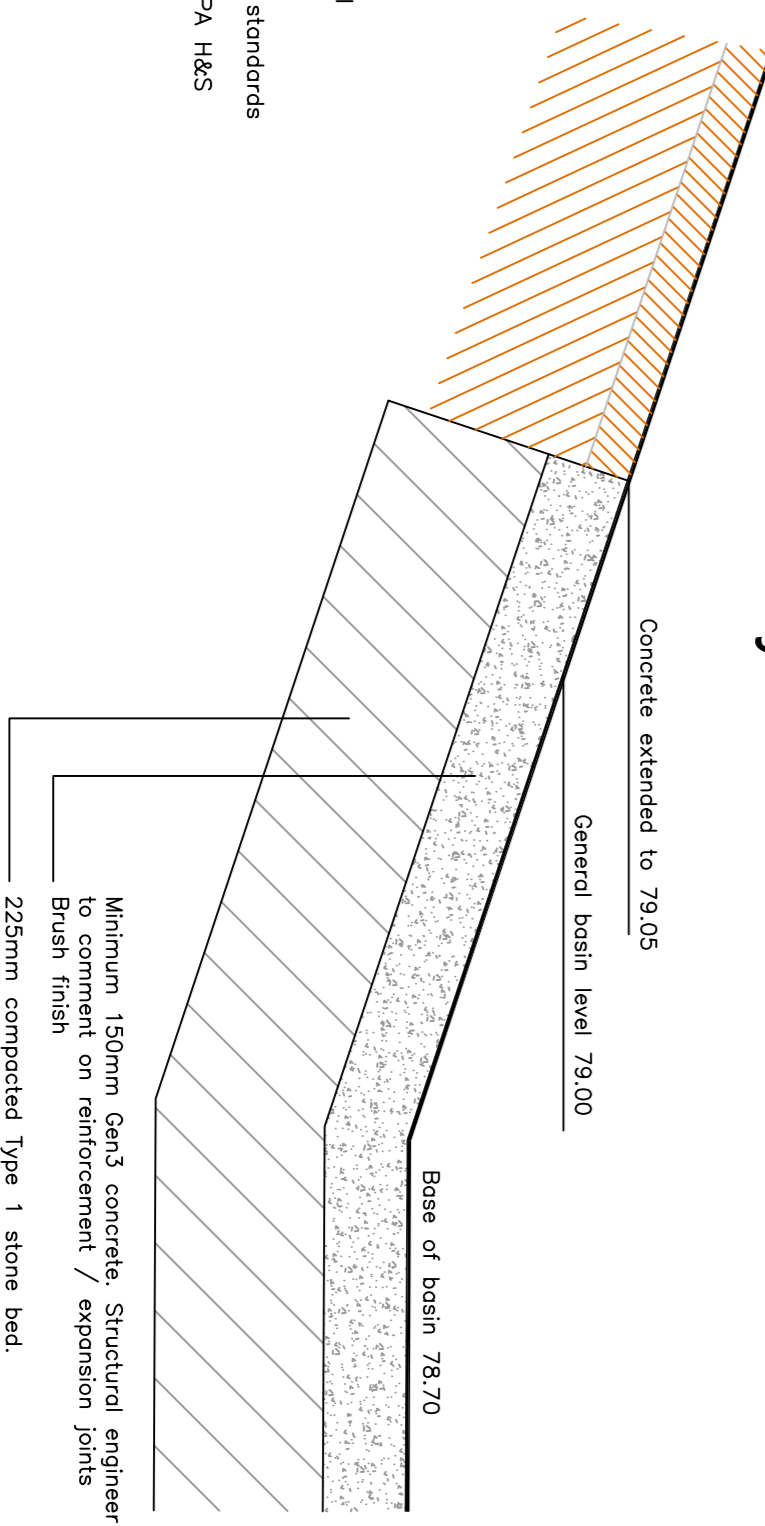
### Gabion construction detail



### Typical basin construction detail

Basin level (contour)	plan area sqm	Basin level (contour)	plan area sqm
78.89 (0.0)	275	79.40 (0.6)	1288
78.90 (0.1)	945	79.50 (0.7)	1363
78.90 (0.2)	1007	79.60 (0.8)	1440
78.91 (0.3)	1074	79.70 (0.9)	1519
78.92 (0.4)	1143	79.80 (1.0)	1599
78.93 (0.5)	1214		

### Forebay construction detail



#### Dry basin Design Aspects

1. UU will adopt the inlet / outlet structures and maintain forebay and low flow channel the management company will maintain the remaining basin construction.
2. The sewer inlet and outlet arrangement needs to be in accordance with UU adoption standards
3. The open storage needs to incorporate safe design principles in accordance with ROSPA H&S Guidelines for Operational Water Bodies.
4. The open storage needs to be sized to accommodate the critical 1 in 100 yr + climate change event volume.
5. The dry basin maximum nominal side slope is 1 in 3
6. The max flood depth is 1.00m in the critical 1 in 100 yr + climate change event.
7. Basin and adjacent areas to be planted with locally sourced marginal plant seed free from invasive species. Brown meadow seed mix

