DESIGN INTENT

Harsh, impervious concrete will be replaced with a 'dampland depression' type constructed wetland for capturing and filtering stormwater runoff. The area will be mass planted with native rushes, sedges and grasses, as well as a selection of trees for shade and bird habitat.

The existing 4m security fence will be reduced in height and softened with native plantings to create a welcoming arrival.

A. overflow from existing rain water tank discharged into wetland
B. capture surface water flows in non-slip trench grate & discharge into wetland
C. use large local stone to stabilise the wetland banks throughout including the inlet zone
D. replace soil with free draining aggregate. use mounds to increase the wetland flow path
E. densely planted native wetland plants & trees throughout
F. low height gabion walls to stabilise banks, provide seating & habitat potential
G. create culvert under path. Lower level of path allow water to spill over top of path in peak rain events
H. local stone formed creek bed draining towards existing stormwater side entry pit

NEW GATE TO PRODUCTIVE GARDEN

collect water from surrounding roof in existing tank for productive garden irrigation. replace pump & install new mains water backup connection