

Ground Investigation Desk Study:
Slowly permeable seasonally wet acid
loamy and clayey soil
Soil permeability assumed poor
Site Geotechnical Investigation Required

Route of grounded power
cables to be confirmed

PL 13 Layout
Suggested MIN 3m clearance from
front of building to back edge of
footpath for Swale and utilities.
Possibly rotated to face S-W

Surface Water Discharge Point
Greenfield Runoff Qbar 5.6l/s
discharging to local stream

Tertiary Treatment/Conveyance System
Attenuation pond/wetlands for 100year+40%
Storm Event. Approx 500m³ (50x10x1m)
Located outside of Redline boundary

PL 08-11 Layout
Moved North to allow access to pond
and clearance to FW Pump Chamber
Suggested MIN 3m clearance from
front of building to back edge of
footpath for Swale and Utilities

Reserve location of Type 2 FW pump chamber &
compound (12.5x4.2m compound T.B.C). Wet well
to be MIN 10m away from properties. Access
required for HGV and to turn around. In this location
depth to invert greater and rising main longer.

Highway Adoption with
local authority assumed

Current assumed local
DC/WW FW drainage T.B.C
Pumping Required.

PL 01-04 Layout
Suggested MIN 3m clearance from
front of building to back edge of
footpath for Swale and Utilities

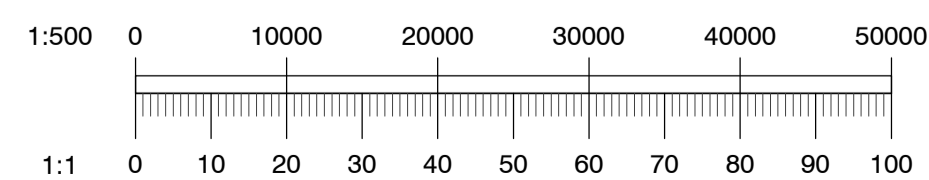
Primary Treatment/Conveyance System
Using Bioretention planters for properties
and permeable paving initially capturing
runoff and containing first 5mm flush

Secondary Treatment/Conveyance
System Swales/French drains treating
and conveying flows to pond. Small
gravel filled channels can be used at
the top of the runs if required.

Preferred location of Type 2 FW pump chamber &
compound (12.5x4.2m compound T.B.C). Wet well to be
MIN 10m away from properties. Access required for HGV
and turning could be achieved at T junction in road.

Track access required to pond
and space for Swale/Filter Drain
in public open space.

KEY:	
	Primary SW System - Bioretention/Planters/Permeable Paving
	Secondary SW System - Swales/Filter Drains/Channels
	Tertiary SW System - Pond/Wetlands
	Foul Water Pumping Station



Rev	Date	Description	By
<small>Dimensions to be verified on site. This drawing should not be scaled. Use figured dimensions only. Any discrepancies should be referred to the Engineer prior to work being put in hand. This drawing is copyright.</small>			
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Drawing Status			
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