

Above Ground OSD Summary with calculated valuesSite:

Site Area	336294 m ²
Site Area NOT Draining to OSD	18128 m ²

Reduced Levels (AHD):

RL of Top of Tank	47.375
RL of Bottom of OSD Tank	45
RL of 1.5 Year ARI Overflow Weir	46.32
RL of Emergency Overflow Weir	47.005
RL of 1.5 Year ARI Orifice Centerline	44.904
RL of 100 Year ARI Orifice Centreline	45.038
RL of Invert of Discharge to Council Drainage Pit	0
RL of obvert of Pit outlet pipe	44.95
Minium RL of Garage Floor	47.465
Minium RL of House Floor	47.565

OSD Volume:

Required Storage BELOW 1.5 Year ARI Overflow Weir	10280.5 m ³
Required Storage BELOW Emergency Overflow Weir	15592.1 m ³

Discharge Details:

Using Filter Cartridges to Manage Water Quality	No
Discharge Location	Council Drainage Pit
Length of Emergency Overflow Weir	35.00 m
Maximum 1.5 Year ARI Site Discharge	1236.41 L/s
1.5 Year ARI Orifice Discharge	1236.41 L/s
Maximum 100 Year ARI Site Discharge	5374.418
100 Year ARI Orifice Discharge	5374.42 L/s

Orifice Details:

Number of 1.5 Year ARI Orifices	3
Number of 100 Year ARI Orifices	3
1.5 Year ARI Orifice Size (mm)	404.0 mm
100 Year ARI Orifice Size (mm)	776.0 mm

Notifications:

Due to the Outlet Orifice being drowned by 2.7% during 100 ARI event an extra 1.9% of Storage volume has been added.