

Tri 100Dia. Overflow pipes to Pit P1.
Outlet to be mosquito proofed. All
exposed pipework to be painted to
withstand external elements.(Location
shown generic only)

Max. Overflow
RL.42.51m

ORIFICE
IL.41.44

IL.40.20

2x 3860L **MODLINE** TANKS
(2700L X 800W X 1860H)

PAD RL.40.65

3290L for Basix and EFFECTIVE 3930L for OSD
USE 2 x 3860L Dual Rainwater tank/s, to
manufacturer's and Sydney Water's specifications.

RAINWATER TANK

TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATIONS TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO SIDE BOUNDARIES MUST BE MAINTAINED. CLIENT IS RESPONSIBLE TO ENSURE COMPLIANCE WITH THIS IN THE INSTALLED STATE.

Charged stormwater lines from Roof Areas ONLY to rainwater tank.

All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

First flush water diverter at tank to comply with Sydney Water and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains. Pumps to manuf. specs.

Rain Tank to be installed and maintained to manufacturers specifications and to comply with all Sydney Water Guidelines.

Client to be responsible for maintenance system of charged pipelines. Debris accumulation significantly affects systems performance. Maintenance program essential. Structural details for tank base by manufacturer or others.

Leaf Gutter Guard or
Downpipe Guard
recommended.

Mosquito proof strainer
or cover – regular
cleaning/maintenance
by owner essential

Internal submersible
or external pumps
to supply garden
taps and internal
re-use per Basix
assessment.
Location as per
architecturals.

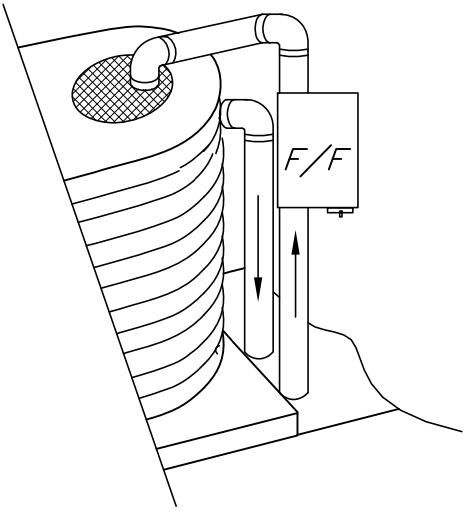
740
MIN

Charged pipes
shown

INLET LEVEL OF
CHARGED LINES
TO BE A
MINIMUM AS
SHOWN BELOW
ALL CONNECTED
GUTTERS.

First flush water
diverter at tank
as req'd by
L.G.A. F/F

I.O. – Cleaning
eye to all
charged
pipelines for
maintenance of
charged system.



TYPICAL ALTERNATIVE
INLET SYSTEM SHOWN
DIAGRAMMATICALLY ONLY

NOTE: OVERFLOW + ORIFICE CAN
BE LOCATED ON EITHER TANK

TWIN
OVERFLOW

CLEANING EYE AS CLOSE AS
POSSIBLE TO ORIFICE

IL.41.44

TO ACHIEVE
3290L FOR
BASIX
793

68 DIA. ORIFICE SHARPLY
DRILLED THROUGH SOLID
M+F CAP FITTING

SEALED JOINTS

OSD OUTLET DETAIL

THIS IS AN
**ON-SITE STORMWATER
DETENTION SYSTEM**
REQUIRED BY YOUR LOCAL COUNCIL

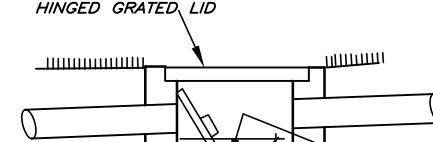
IT IS AN OFFENSE TO REDUCE THE
VOLUME OR TO INTERFERE WITH THE
ORIFICE PLATE THAT CONTROLS THE
OUTFLOW

THE BASE OF THE OUTLET CONTROL
PIT AND DEBRIS SCREEN MUST BE
CLEANED OF DEBRIS AND SEDIMENT
ON A REGULAR BASIS BY THE OWNER.

THIS PLATE MUST NOT BE REMOVED

Signage to be provided
adjacent tanks Size: 110 mm
x 80mm

450 x 450 PIT WITH
HINGED GRATED LID



REMOVABLE MAXIMESH
RH3030 MESH SCREEN,
WITH HANDLES

4x100 DIA.WEEPHOLES
IN BASE OF PIT TO
DRAIN PIT

450x450x100D GRAVEL
WRAPPED IN
GEOTEXTILE FABRIC.

SILT ARRESTOR PIT – P3

WHSA
ALL NEARBY SERVICES TO BE LOCATED PRIOR EXCAVATIONS.
ALL PIPES TO BE CUT FLUSH WITH PIT WALLS AND SPARGED.
PITS EXCEEDING 600mm IN DEPTH TO HAVE LOCK DOWN MECHANISM.
SAFETY GEAR TO BE WORN AT ALL TIMES. INCLUDING FOOTWEAR, CLOTHING
AND GLOVES AS PER SWMS.

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BUILDER/CLIENT TO ENSURE THAT ALL SAFETY MEASURES ARE TAKEN
DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SAFETY
FENCING, SIGNAGE, OBTAINING STRUCTURAL AND GEOTECHNICAL
ADVICE WHERE EXCAVATIONS ARE NEAR STRUCTURES OR SERVICES,
SAFETY MEASURES RECOMMENDED BY PRODUCT SUPPLIERS ETC.

REVISIONS	

ISSUE	PRINTS	ISSUED TO	DATE
1	EMAIL	BUILDER/CLIENT	5-5-20

SCALE(A3) 1:200, 100 u.n.o.
SCALE BAR – 1m INTERVALS
DATE MAR . 2020
DRAWN M.I.
DESIGNED M.I.
APPROVED



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PROJECT
**PROPOSED RESIDENCE
AT 57 MONA VALE ROAD
MONA VALE
FOR M. & N. FOSTER**

THIS DRAWING
**STORMWATER
DETAILS SH.1**
BUILDER
BELL RIVER HOMES

JOB NUMBER
B9572-402515
SHEET No.
2 of 2
REVISION