Node S14 - (Renewed)
CL 87.800
IL 85.995
1.805m deep
2100mm Ø
Hydro-Brake Controlled
Discharge Rate 33.7l/s
Design Depth - 1.65m

Hydro-Brake Optimum
SHE-0240-3370-1650-3370

POND 2
TWL 87.700
NWL 86.050
NWL area 906m²
TWL area 1611m²
Contributing Area 2023m²

Node S12 - (Extg)
No contributing Area

Node P1HW3 - (New)
Flow control to be contained in MH d/s of HW3;
CL 90.050
IL 88.450
1.600m deep
2100mm Ø
Hydro-Brake Controlled
Discharge Rate 22.0l/s
Design Depth - 1.3m

Node S20 - (New)
No contributing Area
Interpolated level 88.600

Node S19 - (Extg)
No contributing Area

S18 constructed on line of existing pipe. IL to suit existing.
Extg 375 @ 1/275
Interpolated level 89.770

S18 - (New)
New chamber on extg pipe (IL 89.735)
Allow for extended road area - 1750m²

S17 - (Extg)
No contributing area

S16 - (Extg)
Adjust cover to suit surroundings, Assume 92.650

Node P9 - (Dummy Node)
Contributing Area 1.26Ha (70% 1.8)
Controlled Discharge Rate 6l/s
Dummy Storage 1260m²

Node S11 - (Extg)
No contributing Area

Node P10 - (New)
CL - 92.400m
IL - 90.000m (375Ø)
2.400m deep
1350mm Ø

Node S10 - (New)
No contributing Area

POND 1
NWL 88.500
TWL 89.800
NWL area 1479m²
TWL area 2180m²
Contributing Area 3143m²

Flow Control MH

Node P8 - (Dummy Node)
Contributing Area 1.80Ha
Attenuated in Pond 1

For Plot 8 development works refer to BCAL drawings 10637-0500,10637-0600 & 10637-0700

Node S9 - (Extg)
Start of diversion
No contributing Area

Node S8 - (Extg)
No contributing Area

Node S7 - (Extg)
No contributing Area

Node S6 - (Extg)
No contributing Area

Node P7B - (Dummy Node)
CL 94.000
IL 92.500
1.5m deep
1200mm Ø
ACO Q-Brake Controlled
Discharge Rate 5l/s
Design Depth - 1m

Node P7B - (Dummy Node)
Contributing Area 0.84Ha (70% 1.2)
Controlled Discharge Rate 5l/s
Dummy Storage 840m²

Node P7A - (Dummy Node)
CL 94.000
IL 92.500
1.5m deep
1200mm Ø
ACO Q-Brake
Controlled Discharge Rate 5l/s
Design Depth - 1m

Node P7A - (Dummy Node)
Contributing Area 0.84Ha (70% 1.2)
Controlled Discharge Rate 5l/s
Dummy Storage 840m²

Node S5 - (Extg)
No contributing Area

Node S4 - (Extg)
Retains an allowance for area of road - 290m²

Node S3 - (Extg)
No contributing Area

Node P6 - (Dummy Node)
CL 95.000
IL 93.500
1.5m deep
1200mm Ø
ACO Q-Brake
Controlled Discharge Rate 8l/s
Design Depth - 1m

Node P6 - (Dummy Node)
Contributing Area 1.67Ha (70% 2.4)
Controlled Discharge Rate 8l/s
Dummy Storage 1670m²

Node S2 - (Extg)
No contributing Area

Node S1 - (Extg)
Picks up upstream flows from security area. For modelling allow nominal 100m3 for unmodelled upstream system and surface storage of water

Run from S9 to S11 via S10 to be diverted around the proposed pond

S12 to be diverted into pond 2 via P2HW1

S20 pipe run to be diverted into P1HW1 so existing road drains into pond 1

Pipe 6 to drain into pond 1 via P8 and P1HW2

Existing chamber's to be reconstructed to suit diversion's. Flow control removed from S19.

New chamber to be constructed on existing pipe, use actual IL

New chamber to be constructed on existing pipe, use actual IL

Existing storm run into concrete chamber to be identified and diverted as required.

Key

- Existing Surface water drainage
- Existing Foul water drainage
- Diverted/Proposed Surface water drainage
- Diverted/Proposed Foul water drainage

N

Unit 02
Unit 03
Unit 04
Unit 05
Unit 21
Unit 22
Unit-23
Unit 31
Unit 32
Unit 33
Unit 40
Plot 8a
Plot 8b
Plot 9b
Plot 10a
Plot 10b
Plot 11
Plot 7a
Plot 7b
Plot 6a
Car Park
Yard
Warehouse

0:\PROJECTS\AUTOCAD STANDARDS\BCAL DRAWING FRAMES\BCAL A1 Frame Rev A.DWG

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This drawing to be read in conjunction with all relevant BCAL, Architects, M & E, Specialist Consultants and Contractors project specific drawings and specifications.

Current British Standards apply.

All dimensions are in millimetres. (U.N.O)

All levels are in metres. (U.N.O)

Written dimensions only shall be used.

Do Not Scale.

Any discrepancies shall be brought to the attention of BCAL immediately.

IF IN DOUBT ASK.

NOTES

Refer also to Drawings

No	Description	Date	By	Chk
P3	Updated to suit revised Pond 1 & 2 and associated drainage calculations.	17/04/26	MB	
P2	S18 repositioned	18-03-2026	MB	
P1	Preliminary Issue	06-01-2026	CG	MB

Revisions to this Drawing

Drn:	CG	Date:	Oct 2025	Chk:	MB

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Client

Swanvale Developments

Project

MIRA North

Dwg. Title

Land North of Gas Main
Drainage Model
Pond Relocation

Scales @ A1	Drawing No.	Rev
1:1000	10627-530	P3

Ref 10627-BCL-XX-XX-DR-C-530-P3

Status PRELIMINARY