0 10 20 30 40 50
SCALE IN METRES

UNIT 7
FFL: APPROX 92.785

UNIT 8
FFL: APPROX 89.850

UNIT 8 POND
n. 88.920
MIN CL: 89.700
MAX WATER LEVEL: 88.575

UNIT 7 POND
n. 88.00
MIN CL: 90.500
MAX WATER LEVEL: 90.335

U7-SWMH01 1500mm Cl.92.700m IL.90.900

U7-SWMH02 1500mm Cl.92.700m IL.90.814

U7-SWMH03 1500mm Cl.92.700m IL.90.738

U7-SWMH04 1500mm Cl.92.700m IL.90.657

U7-SWMH05 1800mm Cl.92.700m IL.90.500

300mm Grad 1:300

Sprinkler drain down gully

FWMH1 1200mm Cl.92.403m IL.91.020

FWMH2 1000mm Cl.92.318m IL.90.968

FWMH3 1200mm Cl.92.034m IL.90.683

150mm Grad 1:112

350mm Grad 1:180

U7-SWMH06 1200mm Cl.92.068m IL.90.500

500mm Grad 1:54

U7-SWMH07 1800mm Cl.92.145m IL.90.220

U7-SWMH21 1500mm Cl.92.073m IL.89.650

FWMH4 1200mm Cl.92.033m IL.90.229

750mm Grad 1:400

150mm Grad 1:150

750mm Grad 1:80

450mm Grad 1:100

U7-SWMH22 1500mm Cl.92.081m IL.89.525

Class 1 full retention separator

U7-SWMH08 1800mm Cl.92.147m IL.89.381

U7-SWMH12 2100mm Cl.92.084m IL.89.150

FWMH5 1200mm Cl.92.034m IL.89.791

SWMH-J 1500mm Cl.91.000m IL.85.700 HYDROBRAKE FLOW: 6.5l/s DESIGN HEAD: 4.8

SWMH-G 1500mm Cl.91.000m IL.85.500

SWMH-F 1500mm Cl.91.500m IL.85.520 HYDROBRAKE FLOW: 3.2l/s DESIGN HEAD: 3.8

750mm Grad 1:410

U7-SWMH17 2100mm Cl.91.804m IL.89.040

FWMH6 1200mm Cl.92.072m IL.89.674

100mm Grad 1:150

100mm IC

FWMH7 1200mm Cl.91.784m IL.89.530

175mm Grad 1:140

FWMH14 1200mm Cl.92.633m IL.91.283

150mm Grad 1:150

FWMH15 1200mm Cl.92.483m IL.91.133

U7-SWMH16 1500mm Cl.91.471m IL.89.426

FWMH16 1000mm Cl.92.543m IL.91.028

100mm Grad 1:150

FWMH17 1200mm Cl.92.546m IL.91.196

FWMH18 1200mm Cl.91.945m IL.90.996

FWMH19 1200mm Cl.92.195m IL.90.866

100mm Grad 1:150

U7-SWMH13 1500mm Cl.91.225m IL.89.750

U7-SWMH14 1500mm Cl.91.234m IL.89.540

Class 1 bypass separator

U7-SWMH15 1500mm Cl.91.185m IL.89.504

FWMH8 1200mm Cl.91.414m IL.89.226

150mm Grad 1:20

FWMH9 1200mm Cl.90.842m IL.89.094

150mm Grad 1:70

U7-SWMH23 2100mm Cl.90.371m IL.86.850

200mm Grad 1:200

SWMH-E 1500mm Cl.90.373m IL.86.850

RAIN GARDEN

600mm CP

SWMH-D 1500mm Cl.89.888m IL.86.165

500mm Standing Water

750mm Standing Water

500mm Standing Water

Non return valve to headwall

SWMH-B 1500mm Cl.90.097m IL.88.400

225mm Grad 1:200

SWMH-A 1200mm Cl.89.718m IL.88.500

U8-SWMH10 1500mm Cl.89.121m IL.87.271

450mm

U8-SWMH09 1500mm Cl.89.613m IL.87.605

Class 1 full retention separator

U8-SWMH08 1500mm Cl.89.517m IL.87.552

U8-SWMH07 1200mm Cl.89.517m IL.87.740

U8-SWMH03 1500mm Cl.89.800m IL.87.800

300mm

300mm Grad 1:67

450mm Grad 1:400

U8-SWMH04 1500mm Cl.89.882m IL.87.755

U8-SWMH05 1500mm Cl.89.440m IL.87.940

FWMH10 1200mm Cl.90.644m IL.88.721

150mm Grad 1:88

FWMH20 1200mm Cl.89.544m IL.88.194

FWMH21 1200mm Cl.89.558m IL.88.557

FWMH22 1000mm Cl.89.551m IL.88.025

450mm Grad 1:400

150mm Grad 1:150

150mm Grad 1:150

450mm Grad 1:300

150mm Grad 1:70

U8-SWMH02 1500mm Cl.89.774m IL.88.022

FWMH24 1200mm Cl.89.700m IL.87.810

FWMH11 1200mm Cl.89.00m IL.87.800

U8-SWMH01 1500mm Cl.89.795m IL.88.145

FWC23 600mm Cl.89.700m IL.88.410

FWMH12 1200mm Cl.89.200m IL.88.000

150mm Grad 1:150

REFER TO INSET A FOR CONTINUATION

FWMH13 1200mm Cl.89.700m IL.85.750

EX MH 1 Cl.89.500m IL.85.517

INSET A

1:400
1:100

U8-SWMH02 1500mm IL.89.774m IL.88.022

450mm Grad 1:300

150mm Grad 1:70

FWMH24 1200mm Cl.89.700m IL.87.810

FWC23 600mm Cl.89.760m IL.88.410

U8-SWMH01 1500mm CL: 89.795m IL: 88.145

150mm Grad 1:150

FWMH13 1200mm Cl.89.700m IL.85.750

EX MH 1 Cl.89.500m IL.85.517

FWMH11 1200mm Cl.89.00m IL.87.800

FWMH12 1200mm Cl.89.200m IL.88.000

Discharge into Bushes Leave Watercourse - max discharge 9.7l/s

Sprinkler drain down gully

Notes:

1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
2. This drawing is to be read in conjunction with all relevant Engineers' and Service Engineers' drawings and specifications.
3. All Siphonic down pipe locations are assumed, pending detailed design.
4. Outfall headwall invert levels to be confirmed by survey prior to construction. Final outfall location may be changed for construction.
5. Drainage layout may be subject to change once the detailed design is carried

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING
CONSTRUCTION
MAINTENANCE / CLEANING
DECOMMISSIONING / DEMOLITION
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

Key:

- Surface Water Drainage
- Foul Water Drainage
- Foul Water Manhole
- Surface Water Manhole
- Channel Drain
- Kerb Drain
- Gully
- Siphonic Drainage
- Filter Drain
- Attenuation Pond
- Bio retention basin/rain garden

Rev	Date	Description	By	Ckd
P3	24.09.24	ARCH LAYOUT UPDATED	SJ	NB
P2	16.10.23	LAYOUT REVISED	BP	NB
P1	25.08.23	FIRST ISSUE	BP	NB

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Client:
/INDURENT

Project Title:
LAND NORTH OF INDURENT PARK
CHIPPENHAM

Drawing Title:
DRAINAGE LAYOUT

Drawing Status:
PRELIMINARY

Hydrock Job No:
09138

Drawn	Checked	Scale @ A0	Date	Issue Date
BP	NB	1:500	07.08.2023	07.08.2023

Drawing Number:
09138-HYD-D-XX-DR-D-0500

Revision:
P3

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