NOTES

- Do not scale from this drawing
- All dimensions are in meters unless stated otherwise
- This drawing is to be read in conjunction with all relevant drawings and documents associated with this project.
- All surveyed information including levels and layout is provided by others
- All existing and proposed dimensions, levels and locations to be checked and verified by the main contractor on site prior to the commencement of the works and any anomalies reported to the engineer.

KEY

- Site Boundary
- Filter Drain beneath gravel trench
- Surface water carrier pipe
- Surface Water Manhole
- Polycellular Attenuation Tank

Surface Water Discharge
Proposed surface water to discharge to existing watercourse
IL: 40.000
Subject to agreement with LLFA.
Non-return valve to be fitted to outfall. Access required for pipe maintenance purposes.

Pond

Polycellular Attenuation Tank
Designed for 1 in 100yr+25%CC
Attenuation Volume: 456m³
Dimensions:L:10m x W:48m x D:1.0m
I.L: 40.650
Minimum required cover: 0.600m
Cellular attenuation tank to be designed and maintained to manufacturers detailed design.

Levels to be lifted to minimum 42.250 over tank

S13
CL 42.000
IL 40.640

Flow Control
Hydrobrake
Allowable Discharge: 3.1l/s
Design Depth: 1.05m
Sump to be provided

S8 (Catchpit)
CL 41.900
IL 40.850

1.005 300mm 1:300

1.006 150mm 1:200

4.003 225mm 1:120

S12
CL 42.274
IL 41.186

1.004 225mm 1:177

3.000 225mm 1:100

S6
CL 42.987
IL 41.900

4.002 225mm 1:65

S7
CL 42.592
IL 41.351

1.003 300mm 1:67

Drainage to be perforated pipes with single size stone backfill, wrapped in permeable geotextile.

S11
CL 43.393
IL 42.309

S5
CL 43.000
IL 41.801

1.002 300mm 1:130

4.001 225mm 1:100

S4
CL 43.050
IL 41.900

S10
CL 43.861
IL 42.754

1.001 300mm 1:130

S2
CL 43.889
IL 42.800

2.000 225mm 1:50

4.000 225mm 1:80

Access road to be constrcuted from granular materials.

S3
CL 43.934
IL 42.470

S9
CL 44.616
IL 43.600

1.000 225mm 1:76

S1
CL 44.610
IL 43.500

arm

Rev	Date	Description	DRA	CHK	APP
C02	18/07/23	Tank and pipework lifted to suit outfall level	LW	RB	LA
C01	14/04/23	First Issue	LW	RB	LA

Project
Norrington Gate

Client
Arlington Energy Ltd

Drawing Title
Surface Water Drainage Strategy
Sheet 1

Status	Date	Scale
For Construction	14/04/23	1:500@A1

Drawn	Designed	Checked	Approved
LW	RB	RB	LA

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Revision C02

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