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General Notes

1. Do not scale this drawing.
2. All dimensions are in millimeters unless stated otherwise.
3. This drawing is to be read in conjunction with all other relevant drawings & specifications.
4. All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
5. No works shall commence on site until approval has been obtained from all relevant Agencies / Authorities.
6. All dimensions referred to in this drawing must be verified.

Key

- Site Boundary
- Section 104 - Sewer Easement
- Section 104 - Surface Water Sewer
- Section 104 - Surface Water Manhole
- Section 104 - Foul Water Sewer
- Section 104 - Foul Water Manhole
- Section 104 - Combined Water Sewer
- Section 104 - Combined Water Manhole
- Yorkshire Water Combined Water Sewer
- Yorkshire Water Combined Water Manhole

SW01
CL. 198.934m
IL. 197.230m

FW01
CL. 199.033m
IL. 196.670m

1.000, Dia: 300mm Ø, L: 14.127m, 1:235.4, Concrete

1.000, Dia: 180mm Ø, L: 8.612m, 1:132.8, Vitrified Clay

FW02
CL. 199.208m
IL. 196.605m

SW02
CL. 199.217m
IL. 197.170m

1.001, Dia: 150mm Ø, L: 17.150m, 1:131.9, Vitrified Clay

1.001, Dia: 300mm Ø, L: 17.150m, 1:235.4, Concrete

FW03
CL. 199.546m
IL. 196.410m

SW03
CL. 199.559m
IL. 197.095m

1.002, Dia: 150mm Ø, L: 25.017m, 1:131.9, Vitrified Clay

1.002, Dia: 300mm Ø, L: 27.941m, 1:235.4, Concrete

FW04
CL. 199.872m
IL. 196.285m

SW07
CL. 199.925m
IL. 196.900m

2.002, Dia: 225mm Ø, L: 14.525m, 1:10.0, Vitrified Clay

SW06
CL. 200.248m
IL. 198.500m

2.001, Dia: 225mm Ø, L: 13.575m, 1:27.7, Vitrified Clay

SW05
CL. 200.527m
IL. 198.990m

2.000, Dia: 225mm Ø, L: 14.351m, 1:54.9, Vitrified Clay

SW04
CL. 200.803m
IL. 199.215m

FW05
CL. 199.670m
IL. 196.195m

1.004, Dia: 150mm Ø, L: 21.979m, 1:133.2, Vitrified Clay

FW06
CL. 199.408m
IL. 196.030m

1.005, Dia: 375mm Ø, L: 18.947m, 1:245.3, Concrete

1.005, Dia: 150mm Ø, L: 16.747m, 1:115.5, Vitrified Clay

FW07
CL. 199.194m
IL. 195.885m

SW08
CL. 199.740m
IL. 196.860m

1.004, Dia: 375mm Ø, L: 21.979m, 1:293.1, Concrete

1.003, Dia: 150mm Ø, L: 11.286m, 1:130.3, Vitrified Clay

1.003, Dia: 375mm Ø, L: 11.526m, 1:288.1, Concrete

SW09
CL. 199.474m
IL. 196.785m

SW10
CL. 199.081m
IL. 197.520m

1.000, Dia: 225mm Ø, L: 19.325m, 1:23.6, Vitrified Clay

SW11
CL. 199.269m
IL. 196.610m

1.006, Dia: 450mm Ø, L: 36.147m, 1:292.7, Concrete

1.006, Dia: 150mm Ø, L: 38.040m, 1:196.4, Vitrified Clay

SW12
CL. 198.439m
IL. 196.535m

FW08
CL. 198.413m
IL. 195.680m

1.007, Dia: 450mm Ø, L: 30.683m, 1:38.4, Concrete

1.007, Dia: 150mm Ø, L: 32.646m, 1:204.9, Vitrified Clay

SW13
CL. 197.377m
IL. 195.660m

FW09
CL. 197.302m
IL. 195.160m

5.000, Dia: 225mm Ø, L: 45.998m, 1:18.0, Vitrified Clay

SW17
CL. 195.388m
IL. 193.735m

SW19
CL. 193.194m
IL. 189.305m

SW18
CL. 192.682m
IL. 191.105m

SW20
CL. 191.579m
IL. 189.200m

FW12
CL. 192.619m
IL. 190.605m

3.000, Dia: 150mm Ø, L: 26.858m, 1:29.3, Vitrified Clay

5.001, Dia: 300mm Ø, L: 30.106m, 1:21.5, Concrete

6.001, Dia: 825mm Ø, L: 12.851m, 1:428.4, Concrete

FW13
CL. 191.016m
IL. 189.700m

SW21
CL. 190.854m
IL. 189.170m

SW22
CL. 194.393m
IL. 189.045m

1.010, Dia: 225mm Ø, L: 17.589m, 1:439.7, Concrete

1.009, Dia: 525mm Ø, L: 19.702m, 1:22.0, Concrete

1.009, Dia: 150mm Ø, L: 19.725m, 1:131.7, Vitrified Clay

FW14
CL. 194.529m
IL. 189.236m

1.009, Dia: 150mm Ø, L: 16.419m, 1:15.0, Vitrified Clay

FW15
CL. 193.567m
IL. 189.085m

1.008, Dia: 525mm Ø, L: 19.918m, 1:22.0, Concrete

1.008, Dia: 150mm Ø, L: 50.885m, 1:18.0, Vitrified Clay

5.002, Dia: 150mm Ø, L: 67.324m, 1:19.8, Concrete

3.001, Dia: 150mm Ø, L: 67.194m, 1:114.4, Vitrified Clay

SW14
CL. 200.299m
IL. 198.925m

4.000, Dia: 225mm Ø, L: 39.390m, 1:14.8, Vitrified Clay

SW16
CL. 199.362m
IL. 196.795m

FW10
CL. 199.001m
IL. 197.480m

2.000, Dia: 150mm Ø, L: 59.184m, 1:16.4, Vitrified Clay

2.001, Dia: 300mm Ø, L: 64.576m, 1:10.2, Concrete

SW15
CL. 200.380m
IL. 198.925m

FW11
CL. 195.520m
IL. 192.375m

SW16
CL. 195.563m
IL. 190.165m

FW16
CL. 191.016m
IL. 189.700m

SW21
CL. 190.854m
IL. 189.170m

EX. CW
CL. 190.380m
IL. 188.580m

CW02
CL. 189.679m
IL. 188.605m

1.013, Dia: 225mm Ø, L: 2.828m, 1:113.1, Vitrified Clay

1.011, Dia: 150mm Ø, L: 3.035m, 1:121.4, Vitrified Clay

1.012, Dia: 225mm Ø, L: 50.744m, 1:133.5, Vitrified Clay

CW01
CL. 193.425m
IL. 188.985m

225mmØ

CL: 185.610
IL: 183.710

CL: 182.950
IL: 180.850

Combined water drainage to discharge to Yorkshire Water combined water sewer. Connection to be made under a Section 106 agreement.

Hydrobrake flow control chamber restricting surface water runoff to a peak rate of **5.0l/s** for all storm events up to and including 1 in 100 year + 45% climate change storm event.

Hydro Hydrobrake Flow Control
Model: MD-SHE-0094-5000-1790-5000

Cellular crate attenuation tank 47.00m (l) x 20.50m (w) and 1.60m (d). 825mm dia. perforated pipe through the center of the tank. Tank to have a minimum cover of 0.800m.

rev	description	drawn	date
P3	Site layout plan updated. Surface water attenuation tank relocated outside of highways influence zone.	SG	12.12.25
P2	Drawing updated to suit revised site layout plan.	SG	04.11.25
P1	First Issue	SG	29.09.25

Preliminary

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client: HARRON HOMES

project: Land off Roslyn Avenue, Netherton, Huddersfield

drawing title: Section 104 Layout Plan

Drawing Number:		Drawn by:	Checked by:
EE100008-201		SG	SG
Project ref:	scale:	date:	original paper size:
EE100008	1:500	29.09.2025	A1

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