Existing Chamber
Ref 4406
(approx location)

S-1.011
118.5
300mm

Existing Combined
Sewer to be diverted.
Subject to Northumbrian
Water confirmation

Ø600

MH4300

MH-S-41
Control Chamber
Internal Weir with Hydrobrake,
Flow to be 2 l/s max at 2.4m head
Ref: MD-SHE-0054-2000-2400-2000
1200mm dia (min)
CL 9.100m
IL 5.900m

MH-S-13
600mm dia
CL 9.380m
IL 8.630m

S-3.000
1:75.2
150mm

MH-S-14
600mm dia
CL 9.150m
IL 8.400m

S-11.002
1:9.2
300mm

MH-S-34
600mm dia
CL 9.000m
IL 8.250m

MH-S-40
1050mm dia
CL 9.000m
IL 7.058m

S-11.001
1:239.3
300mm

MH-S-39
1050mm dia
CL 8.400m
IL 7.175m

S-11.000
1:239.7
300mm

MH-S-38
1050mm dia
CL 8.400m
IL 7.300m

5m 5m

S-1.010
1:256.8
300mm

S-10.000
1:14.9
150mm

MH-S-24
600mm dia
CL 8.900m
IL 8.150m

S-3.001
1:66.2
150mm

Attenuation Tank
24 x 6 x 2.4m
(or equivalent volume)
Crate System

MH-S-35
600mm dia
CL 8.900m
IL 7.550m

S-10.001
1:100.3
150mm

S-7.000
1:100.9
150mm

Sewer Section to be Removed

MH-S-18
600mm dia
CL 9.400m
IL 8.050m

S-3.002
1:104.9
150mm

S-7.002
1:174.2
225mm

MH-S-36
1050mm dia
CL 9.300m
IL 6.779m

S-7.001
1:100.9
150mm

MH-S-25
600mm dia
CL 8.900m
IL 7.982m

S-4.002
1:14.5
150mm

MH-S-17
600mm dia
CL 9.450m
IL 8.564m

MH-S-37
1050mm dia
CL 9.400m
IL 6.680m

S-8.004
1:101.1
225mm

S-9.001
1:100.9
150mm

MH-S-31
600mm dia
CL 9.100m
IL 7.868m

S-9.000
1:100.9
150mm

MH-S-32
600mm dia
CL 9.340m
IL 7.762m

MH-S-30
600mm dia
CL 8.800m
IL 8.050m

S-9.002
1:100.9
150mm

S-6.002
1:67.3
150mm

MH-S-33
1050mm dia
CL 9.340m
IL 6.960m

S-8.003
1:100.9
150mm

MH-S-29
1050mm dia
CL 9.150m
IL 7.156m

MH-S-28
600mm dia
CL 8.700m
IL 7.442m

S-8.002
1:100.9
150mm

MH-S-27
600mm dia
CL 8.400m
IL 7.531m

S-8.001
1:100.9
150mm

S-8.000
1:100.9
150mm

MH-S-26
600mm dia
CL 8.320m
IL 7.570m

Diverted Combined
Sewer with easement
5m easement either side
of centerline.
Subject to Northumbrian
Water confirmation

MH-S-15
600mm dia
CL 9.700m
IL 8.950m

S-4.000
1:54.5
150mm

MH-S-16
600mm dia
CL 9.450m
IL 8.700m

S-4.001
1:100.3
150mm

S-1.009
1:32.0
300mm

MH-S-9
1050mm dia
CL 9.650m
IL 8.150m

S-1.008
1:94.8
300mm

MH-S-12
1050mm dia
CL 9.420m
IL 7.232m

MH-S-23
1050mm dia
CL 9.460m
IL 7.094m

S-5.001
1:169.1
225mm

MH-S-20
1050mm dia
CL 9.120m
IL 7.260m

S-5.000
1:101.0
225mm

MH-S-19
600mm dia
CL 8.450m
IL 7.625m

S-6.001
145.9
150mm

S-1.007
1:100.9
150mm

MH-S-22
600mm dia
CL 9.200m
IL 8.389m

S-6.000
1:100.9
150mm

MH-S-21
600mm dia
CL 9.200m
IL 8.450m

MH-S-11
600mm dia
CL 9.100m
IL 7.529m

S-2.000
177.6
150mm

MH-S-10
600mm dia
CL 8.850m
IL 7.800m

Connection to Combined Sewer
CL:8.850
IL:5.918
Subject to confirmation at construction phase

N

SCALE 1 : 200

m 10 0 10 m

Notes

To be constructed in accordance with local authority drainage design guidelines or to latest version of sewers for adoption in the absence of any local authority guidelines'

Contractor is to confirm, on site, all information given relating to existing services and drainage connections etc. Prior to commencing the works and any discrepancies reported immediately to the engineer.

Allow for hand dig around existing services where necessary.

Existing flows in watercourses, sewers and land drainage shall be maintained at all times during the works or handled accordingly.

Any gradients of drains are indicative only and the contractor shall install drains to the invert levels shown for each manhole, or check with the engineer if any doubt.

Cover levels of the manholes are provisional and subject to adjustment to suit the finished ground levels.

Unless noted otherwise, all manhole invert levels are to the lowest (outgoing) pipe. All incoming pipework to be laid soffits level.

All external levels to be checked against latest architects drawings.

All drainage outlet positions, (rainwater pipes and soil stacks), to be checked against latest architects drawings.

1) All works and materials to conform to standards in latest edition of Sewers for Adoption or any relevant design guides by the overseeing Local Authorities
2) All covers and gratings to be class B
3) All chambers to be catchpits with 300mm sump below specified design Invert Level (IL)

Key

- Proposed surface water drain
- Exceedance flow routes
- Proposed filter drain
- Proposed combined sewer
- Sewer Section to be Removed

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Job:	Newburn Haugh BSF		
Client:	Balance Power Projects Ltd		
Drawing Title:	Proposed Diverted Combined Sewer		
Date:	November 2023		
Drawing No:	KRS.0310.064.D.001.C	revision:	Status:
Scale:	1:200 @ A1	Drawn:	PM