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Notes

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
3. This drawing should be read in conjunction with all other relevant drawings and specifications.
4. Masterplan taken from PHP drawing 4400-001 Rev P25, received 15/06/2020.
5. All works to be carried out in accordance with the Specification for Highway Works, the South Yorkshire Residential Design Guide and the requirements of Barnsley Metropolitan Borough Council.
6. All information shown on this drawing is subject to Technical Approval from BMBC.
7. Foul water designed in line with Sewer Sector Guidance, Flows from:
   - Industrial plots based on 0.6l/s/Ha
   - Residential plots based on 4000l/unit/day peak flow.
8. Adopted Surface water designed in line with Sewer Sector Guidance.
9. Highway drains designed to DMRB and SSG specifications.
10. Kerb drainage based on detailed design by Marshalls PLc.
11. Embankment toe drains are connected to existing drainage outfalls to both provide a base flow to those habitats and to maintain ground water drains. Catchments for all toe drains connections are greatly reduced vs the original site.

Key

- Planning Boundary
- Proposed Highway Gully
- Proposed Kerb Drainage
- Proposed Surface Water Sewer
- Proposed Highway Surface Water Sewer
- Proposed Private Surface Water Sewer
- Proposed Foul Water Sewer
- Proposed Foul Water Rising Main
- Proposed Toe Drain to existing network

Viewport A
Scale 1:500

2.000
C Concrete Pipe
400mmØ
1 in 59
12.877m
Σ IMP Area: 0.052

TD1.2.1 1050mm CP
CL: 145.300m
IL: 144.000m

2.000
SN2 Thermoplastic Pipe
100mmØ
1 in 15
16.976m

F1 1200mm
CL: 146.781m
Base IL: 142.731m

SFLD1.3 600mm
CL: 146.900m
IL: 143.842m

3.002
Vitrified Clay Pipe
150mmØ
1 in 10
11.924m
Σ IMP Area: 0.102

Proposed Commercial Development plot 4
FC4B 1200mm
CL: 148.300m
IL: 143.522m
Please Flow Rate: 0.4l/s

Lateral to to be capped at bioundary for future works

1.001
SN2 Thermoplastic pipe
150mmØ
1 in 100
35.042m

F2 1200mm
CL: 147.446m
IL: 142.381m

Proposed Commercial Development plot 4
SC4B 1500mm
CL: 148.450m
IL: 144.450m
Catchment: 1.20Ha
Peak Flow: 559.3 l/s

4.000
SN2 Thermoplastic Pipe
400mmØ
1 in 18
39.559m
Σ IMP Area: 1.084

SFLD2.1 1050mm CP
CL: 148.000m
IL: 143.770m

1.002
SN2 Thermoplastic Pipe
150mm
1 in 100
48.969m

Proposed Commerical Development plot 4
FC4B2 1200mm
CL: 148.600m
IL: 142.643m
Peak Flow Rate: 0.4l/s

3.000
SN2 Thermoplastic Pipe
100mmØ
1 in 15
10.529m
Lateral to to be capped at boundary for future works

F3 1200mm
CL: 147.988m
IL: 141.890m

1.003
SN2 Thermoplastic Pipe 150mmØ
1 in 100
27.103m

Proposed Commercial Development plot 4
SC4A 1500mm
CL: 148.600m
IL: 143.551m
Catchment: 0.83Ha
Peak Flow: 387.4 l/s

F4 1200mm - Backdrop
CL: 148.137m
IL: 141.619m
BD IL: 142.510m
Backdrop to avoid clash with surface water network

7.000
SN2 Thermoplastic Pipe
375mmØ
1 in 11
19.201m

Proposed Commercial Development plot 4
FC4a 1200mm
CL: 148.600m
IL: 143.565m
Peak Flow Rate: 0.4l/s

5.000
SN2 Thermoplastic Pipe
100mmØ
1 in 10
13.040m
Lateral to to be capped at Boundary for future works

1.005
SN2 Thermoplastic Pipe 150mmØ
1 in 123
84.566m

150mm Toe drain

150mm Toe drain

150mm Toe drain

2.001
C Concrete Pipe
400mmØ
1 in 68
76.991m
Σ IMP Area: 0.197

S1 2400mm
CL: 146.630m
IL: 141.900m

S1.1 1350mm
CL: 145.140
IL: 143.530

1.001
CSR Pipe
600mmØ
1 in 260
23.137m
Σ IMP Area: 1.391

Proposed Commercial Development plot 3
SCA3.1 1650mm
CL: 145.500m
IL: 142.289m
Catchment: 1.55ha
Peak Flow: 547.8l/s

1.000
SN2 Thermoplastic Pipe
100mmØ
1 in 40
29.658m

Proposed Commercial Development plot 3
FC3B 1200mm
CL: 145.600m
IL: 143.522m
Peak Flow Rate: 0.8l/s

1.002
CSR Pipe
900mmØ
1 in 502
62.694m
Σ IMP Area: 1.800

Lateral to to be capped at boundary for future works

1.003
SN2 Thermoplastic Pipe
1200mmØ
1 in 134
53.949m
Σ IMP Area: 3.081

3.002
VC Vitrified Clay Pipe
150mmØ
1 in 10
11.924m
Σ IMP Area: 0.102

S2 2100mm
CL: 147.728m
IL: 141.475m

S3 2100mm
CL: 148.133m
IL: 141.075m

6.001
CSR Pipe
750mm
1 in 420
22.668m
Σ IMP Area: 3.190

Proposed Commercial Development plot 3
SCB3.1 2100mm
CL: 145.600m
IL: 141.579m
Catchment: 3.54Ha
Peak Flow: 1165.6 l/s

1.004
SN2 Thermoplastic pipe
150mmØ
1 in 113
46.113m

4.000
SN2 Thermoplastic Pipe
100mmØ
1 in 80
29.032m

Proposed Commercial Development plot 3
FC3a 1200mm
CL: 145.600m
IL: 142.873m
Peak Flow Rate: 2.0l/s

1.004
CSR Pipe
1200mmØ
1 in 497
47.246m
Σ IMP Area: 6.315

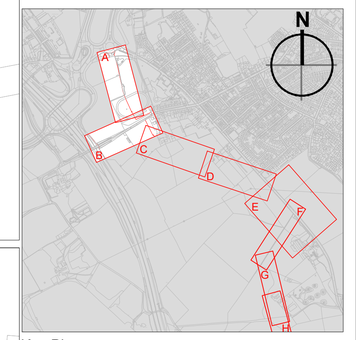
1.005
CSR Pipe
1200mmØ
1 in 347
88.554m
Σ IMP Area: 6.315

F5 1200mm
CL: 148.391m
IL: 141.211m

S4 2100mm
CL: 148.425m
IL: 140.980m

Continuation on Viewport B

Cut line



Key Plan
Not to Scale

Viewport B
Scale 1:500

Cut line
Continuation on Viewport A

1.005
CSR Pipe
1200mmØ
1 in 347
88.554m

S5 2100mm
CL: 148.719m
IL: 140.725m

150mm Toe Drain

S6.1 1200mm
CL: 151.000m
IL: 149.300m

S6.2 1200mm
CL: 149.000m
IL: 146.909m

10.000
VC Vitrified Clay Pipe
150mmØ
1 in 17
44.142m
Σ IMP Area: 0.013

TANKERSLEY LANE

S5.1 1200mm
CL: 146.000m
IL: 143.925m

S5.2.1 1200mm
CL: 146.676m
IL: 144.065m

9.000
VC Vitrified Clay Pipe
150mmØ
1 in 43
25.043m
Σ IMP Area: 0.032

10.002
SN2 Thermoplastic Pipe
225mmØ
1 in 10
Σ IMP Area: 0.196

STD8.1 1200mm
CL: 150.900m
IL: 149.169m

S5.3 1350mm
CL: 148.600m
IL: 141.700

12.000
SN2 Thermoplastics Pipe 225mmØ
Toe Drain
1 in 20
75.131m
Σ IMP Area: 0.135

S5.2 1350mm
CL: 146.900m
IL: 143.483m

VC Vitrified Clay Pipe, 300mmØ
1 in 49
15.239m

1.006
CSR Pipe
1200mmØ
1 in 817
52.308m
Σ IMP Area: 7.539

8.001
VC Vitrified Clay Pipe
300mmØ
1 in 49
87.478m
Σ IMP Area: 0.199

8.000
VC Vitrified Clay Pipe
300mmØ
1 in 180
79.483m
Σ IMP Area: 0.027

10.003
VC Vitrified Clay Pipe
225mmØ
1 in 10
Σ IMP Area: 0.277

S6 2100mm
CL: 148.192m
IL: 140.661m

S6.4 1200mm
CL: 148.300m
IL: 143.009m

STD8.2 1200mm
CL: 147.700m
IL: 145.412m

1.007
CSR Pipe
1200mmØ
1 in 506
55.700m
Σ IMP Area: 7.921

150mm Toe Drain

Cut line
Continuation on Viewpo

M 1

M 1

GREEN LANE

10m SCALE 1:500

P04	Highway drainage pipes updated as per BMBC comments received 02.12.20	AB	ANT	02.12.20
P03	BMBC comments received 26.11.20 incorporated	AB	ANT	01.12.20
P02	BMBC Comments Incorporated	JNB	SMC	26.10.20
P01	First Issue	JNB	SMC	21.08.20
Rev	Description	By	Ckd	Date

MAKING COMPLEX EASY

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Client: newlands developments

Project: Hoyland

Title: Highway Drainage Layout (Sheet 1 of 5)

RPS Project Number	Scale @ A1	Date Created
NK020040	1:500	08.07.2020
Task Team Manager	**Information Author**	**Task Information Manager**
SG	JNB	SMC

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