DESIGN CONTINGENCY

FOR COST PURPOSES THE CONTRACTOR IS TO INCLUDE THE FOLLOWING CONTINGENCY (% OF PRIMARY CIVILS DESIGN COST) AT THE RELEVANT PROJECT STATUS INDICATED ON THE DRAWING.

S2 - CONCEPT DESIGN - 25%
S3 - SPATIAL COORDINATION - 15%
S4 - TECHNICAL DESIGN - 10%
A5 - PRODUCT INFORMATION - 5%

NOTE: ALL DRAINAGE CONNECTIONS SHALL BE SOFFIT TO SOFFIT UNLESS DETAILED/NOTED OTHERWISE

NOTE: NO ADOPTABLE WORKS SHALL BE CARRIED OUT UNTIL FULLY APPROVED BY ADOPTING AUTHORITY. ANY WORKS CARRIED OUT PRIOR TO APPROVAL WILL BE UNDERTAKEN AT CONTRACTORS RISK.

NOTE: CONCRETE PROTECTION SHALL BE GRADE GEN 3 (C16/C20) COMPLYING WITH BRE SPECIAL DIGEST 1.

GENERAL NOTES

DO NOT SCALE OFF THIS DRAWING

THIS DRAWING SHOULD NOT BE SCALED FROM. ALL DIMENSIONS SHOULD BE TAKEN FROM RELEVANT DRAWINGS. IF NO DIMENSIONS ARE AVAILABLE THEN THE ENGINEER SHOULD BE CONTACTED FOR ADVICE.

ALL DIMENSIONS SHOULD BE CHECKED ON SITE AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.

ALL WORKS RELATING TO PROPOSED SEWERS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION UNDER THE CODE FOR ADOPTION AGREEMENTS FOR WATER AND SEWERAGE COMPANIES OPERATING WHOLLY OR MAINLY IN ENGLAND ("THE CODE") AND SHALL BE REFERRED TO AS 'THE DCG.'

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS TO ENSURE THAT THE ADOPTED SEWERS (AS INDICATED ON THIS DRAWING) ARE CONSTRUCTED IN ACCORDANCE WITH THE DCG AND ALL STATUTORY UNDERTAKER AMENDMENTS.

THE DESIGN OF THE SEWERS AND OTHER ELEMENTS TO BE ADOPTED (AS INDICATED ON THIS DRAWING) HAVE BEEN DESIGNED IN ACCORDANCE WITH PARTS B, C AND D OF THE DCG. PUMPING STATION DESIGNS WILL BE CARRIED OUT BY A SPECIALIST THIRD PARTY.

THE CONSTRUCTION OF THE SEWERS TO BE ADOPTED (AS INDICATED ON THIS DRAWING) WILL BE ACCORDANCE WITH PARTS B TO F OF THE DCG.

THE DEVELOPER WILL REMAIN RESPONSIBLE FOR THE SEWERS TO BE ADOPTED (AS INDICATED ON THIS DRAWING) UP TO THE TIME THE SEWERS ARE ADOPTED.

IF ANY EXISTING SEWERS ARE LOCATED ON SITE DURING THE WORKS THE ENGINEER SHALL BE NOTIFIED. ANY UNKNOWN SEWERS LOCATED ON SITE SHALL NOT BE REMOVED UNTIL ADVISED OTHERWISE.

THE DEVELOPER SHALL PROVIDE AN AS-BUILT SURVEY OF THE DRAINAGE TO THE ENGINEER UPON COMPLETION OF WORKS SO THAT AN AS-BUILT RECORD DRAWING CAN BE PREPARED.

THE DEVELOPER SHALL PROVIDE A CDM HEALTH AND SAFETY FILE IN ACCORDANCE WITH THE GUIDANCE PROVIDED IN APPENDIX I OF THE DCG.

PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO ENSURE THAT THE PROPOSED DRAINAGE DOES NOT CLASH WITH THE EXISTING SERVICES. THE CONTRACTOR IS TO ALLOW FOR THIS PROVISION WITHIN THE TENDER SUM.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ATTAINING ALL NECESSARY APPROVALS FOR ANY SERVICE DIVERSIONS REQUIRED TO FACILITATE THE PROPOSED WORKS

S104 DRAINAGE KEY

- SITE BOUNDARY
- NEW S104 COMBINED SEWER
- NEW S104 SURFACE WATER SEWER
- NEW S104 FOUL WATER SEWER
- NEW MANHOLE - REFER TO PLAN FOR SIZE
- EX COM — EX COMBINED DRAIN/SEWER
- EX SW — EX SURFACE WATER DRAIN/SEWER
- EX FW — EX FOUL WATER DRAIN/SEWER
- SURFACE WATER PRIVATE DRAIN
- FOUL WATER PRIVATE DRAIN
- SEWER EASEMENT

DEERHURST DRIVE
TAMERTON DRIVE
DINNINGTON DRIVE

S4
CL: 60.657
IL: 56.876

MH01
CL: 60.741
IL: 56.815

1200Ø 1/400
24.700m 1.000

1200Ø 1/400
38.620m 1.001

MH02
CL: 60.397
IL: 56.668

1200Ø 1/400
21.687m 1.002

MH03
CL: 59.524
IL: 56.614

1200Ø 1/400
5.460m 1.003

MH04
CL: 59.283
IL: 56.590

1200Ø 1/400
42.620m 1.004

MH04 B
CL: 59.382
IL: 56.483

1200Ø 1/400
31.656m 1.005

MH05
CL: 59.626
IL: 56.404

100Ø
(1/97)
4.560m
1.007

1200Ø 1/400
17.541m 1.006

MH06
CL: 59.67
IL: 56.36
FLOW CONTROL MH
Q=5.0l/s @ 2.7m DESIGN HEAD
ORIFICE = 85mm
REF: SHE-0085-5000-2700-5000

SD1
CL: 59.503
IL: 56.81

300Ø 1/70
14.96m 1.001 VC

300Ø 1/70
25.50m 1.002 VC

SD2
CL: 59.205
IL: 56.597

SD3
CL: 58.775
IL: 56.233

SCALE BAR 1:500
0 10 20 30 40 50

Rev	Description	Date	By	Chkd
P01	PRELIMINARY ISSUE	04.02.25	AJB	DS

Drawing Status
S4 TECHNICAL DESIGN

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Project
ALDERFORD PARADE
CHEETHAM HILL
MANCHESTER

Drawing Title
S104 DRAINAGE LAYOUT

Date	Drawn By	Checked By
FEB. 2025	AJB	DS

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