NOTE!
EXISTING SEWER TO BE SURVEYED AND INVERT LEVEL TBC PRIOR TO ANY ONSITE WORKS

HYDROBRAKE DETAILS	
MANHOLE REFERENCE	S8
MANHOLE SIZE	2700mm DIA.
HYDROBRAKE TYPE	OPTIMUM
HYDROBRAKE REFERENCE	SHE-0128-8600-1550-8600
DISCHARGE RATE	8.6 l/sec
DESIGN HEAD	1.55m
ORIFICE SIZE (mm)	128
INVERT LEVEL (m)	110.12m

C1
CL: 112.612m
IL: 109.995m TBC

F8
CL: 112.673m
IL: 110.25m

F7
CL: 114.138m
IL: 111.15m

F6
CL: 114.838m
IL: 111.99m

F5
CL: 115.294m
IL: 112.28m

112.900
112.850
112.700
112.300
113.300
113.450
114.050
114.800
114.925
115.550
115.550

THRELKELD CLOSE
THRELKELD ROAD
BOWNESS ROAD
Threlkeld Court

REFER TO SUTCLIFFE DRAWING JR007087-SUT-ZZ-DR-C-6551 FOR ADDITIONAL SITE DRAINAGE PLAN

General Notes

DO NOT SCALE OFF THIS DRAWING

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS, STATUTORY HEALTH AND SAFETY/C.D.M. REGULATIONS, RELEVANT CODES OF PRACTICE AND THE CURRENT EDITION OF THE BUILDING REGULATIONS.

FOR FINAL SETTING OUT INFORMATION RELATING TO GRID LINES AND WALL POSITIONS REFER TO THE ARCHITECT'S DRAWINGS.

PROPOSED DRAINAGE

ADOPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACES AND SERVICE MARGINS.

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

SURFACE WATER DRAINAGE

ALL PRIVATE SURFACE WATER DRAINAGE TO BE 100MM ø AT 1:100 GRADIENT UNLESS NOTED OTHERWISE.

AN ALLOWANCE TO BE MADE FOR DRIVEWAY GULLIES AND ASSOCIATED DRAIN RUNS WHERE APPLICABLE

ALL FLOWS FROM PRIVATE CELLULAR SW STORARGE TO BE DISCHARGED THROUGH A SILT TRAP MANHOLE PRIOR TO BEING DISCHARGED INTO ANY PUBLIC SEWERS.

ALL SURFACE WATER GULLEYS TO BE TRAPPED.

FOUL WATER / COMBINED DRAINAGE

ALL PRIVATE FOUL WATER DRAINAGE TO BE 100MM ø AT 1:80 GRADIENT UNLESS NOTED OTHERWISE

INTERNAL VENTING OF DRAINAGE SYSTEM TO ARCHITECTS DETAILS

KEY

- SITE BOUNDARY
- SURFACE WATER SEWER
- FOUL SEWER
- COMBINED SEWER
- G ROAD GULLEY
- PRIVATE SW DRAG OUT MANHOLE
- PRIVATE FW DRAG OUT MANHOLE
- EXG. SURFACE WATER SEWER
- EXG. FOUL SEWER
- EXG. COMBINED SEWER

NOTE.
ALL NEW SEWERS SHALL BE CONSTRUCTED IN 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 SECTION 51CA AND SECTION 105ZC OF THE WATER INDUSTRIES ACT 1991.

Rev	Description	Date	By	Chkd
P01	ISSUED FOR COMMENTS	27.03.20	MG	DS

Drawing Status
PRELIMINARY

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Client
RIVERSIDE HOUSING

Project
BOWNESS ROAD
MIDDLETON

Drawing Title
S104 PROPOSED DRAINAGE PLAN
SHEET 1 OF 2

Date	Drawn By	Checked By
MARCH 2020	MG	DS

Scale at A1	Project Number	Revision
1:200	30335	P01

Sheet Number
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