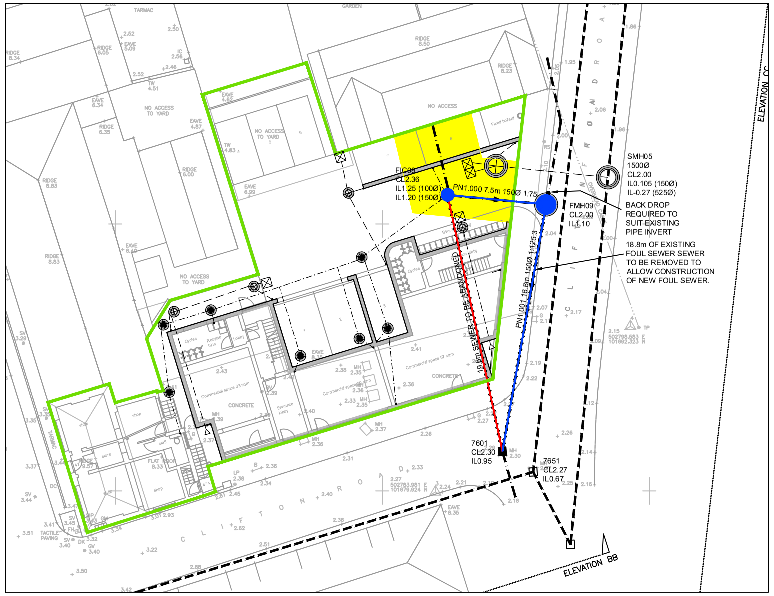
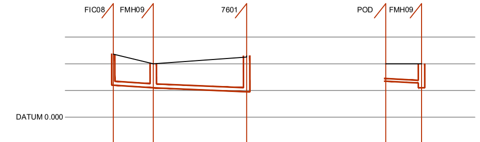
ARUN DISTRICT COUNCIL LU/111/21/DOC

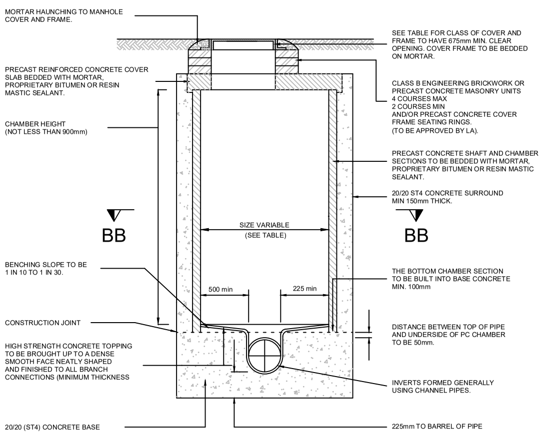


FOUL WATER MANHOLE SCHEDULES

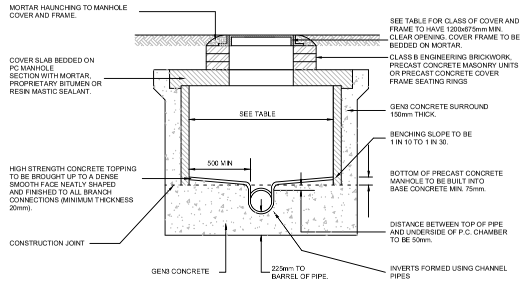
MANHOLE	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH	DIAMETER/ DIMENSIONS	MANHOLE TYPE	PIPES IN mm	PIPES OUT mm	EASTINGS	NORTHINGS
FIC08	D400	2.360	1.200	1.160	450Ø	PPIC	100	100	502784.886	101702.182
FMH09	D400	2.000	1.100	0.900	1200Ø	E	150	150	502795.122	101701.187



	FIC08	FMH09	7601	POD	FMH09
FOULWATER COVER LEVEL	2.360	2.000	2.300	2.000	2.000
FOULWATER INVERT	1.250 / 1.200	1.100	0.950	TBC	TBC / 1.100
FOULWATER DETAILS	PN1.000 Dia 150 Clay Class Z Surround 1 in 75	PN1.001 Dia 150 Clay Class Z Surround 1 in 125.3		PN2.000 Dia 100 EXISTING PIPE	
FOULWATER LENGTHS	7.5	18.8		6.3	

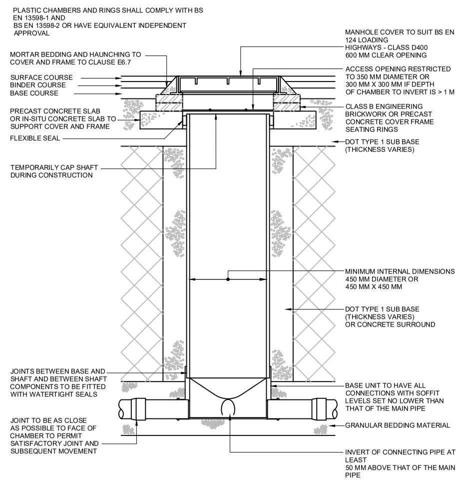


SECTION B-B



MANHOLE TYPE E

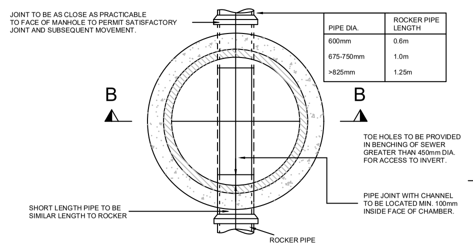
DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 1.0m TO 1.50m



TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (FLEXIBLE MATERIAL DETAIL)

MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE IN AREAS SUBJECT TO VEHICLE LOADING 3 M, NON-ENTRY

NTS



PIPE DIA.	ROCKER PIPE LENGTH
600mm	0.6m
675-750mm	1.0m
>825mm	1.25m

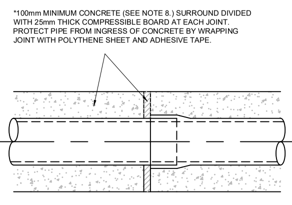
SECTION BB-BB

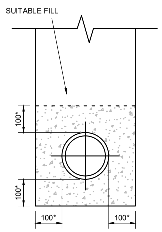
ADOPTABLE MANHOLE TYPE B.

depth to soffit 1.35m to 3.0m

SCALE 1:25

NOTE :
ALL PIPE BEDDING MATERIAL TO BE IMPORTED GRANULAR MATERIAL.





SIDE ELEVATION

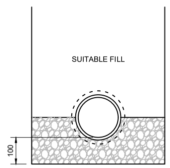
CROSS SECTION

TYPE Z BEDDING (CONCRETE ENCASED PIPES) FOR PIPES WITH LESS THAN 1.2m COVER

NOT TO SCALE

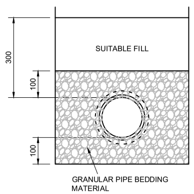
* FOR HEAVY DUTY/INDUSTRIAL APPLICATIONS INCLUDING MAIN ROADS OR ADOPTABLE ROADS INCREASE CONCRETE TO 150mm

FOR RIGID PIPES: eg. CLAYWARE, CONC.



CLASS B PIPE BEDDING

FOR FLEXIBLE PIPES: eg. THERMOPLASTIC



TYPE S PIPE BEDDING

TYPICAL PIPE BEDDING DETAILS

SUITABLE FILL - THE SUITABLE FILL SHALL BE SUITABLE FOR THE LOCATION AND SHALL BE CAREFULLY COMPACTED TO PROVIDE A STABLE FILL WITHOUT DAMAGING THE PIPE. FILL UNDER CAR PARKING AREAS, SHARED DRIVES AND PRIVATE ROADS SHALL BE WELL COMPACTED GRADED GRANULAR MATERIAL. FILL UNDER ADOPTABLE ROADS MAY NEED TO BE TYPE 1 GRANULAR SUB-BASE MATERIAL - CHECK WITH HIGHWAY AUTHORITY IF APPROPRIATE.

GRANULAR MATERIAL - FOR RIGID PIPES THE GRANULAR MATERIAL SHOULD CONFORM TO BS EN: 1610 Annex B Table B.15 AND SHOULD BE SINGLE SIZE MATERIAL OR GRADED MATERIAL FROM 5mm UPTO A MAXIMUM SIZE OF 10mm FOR 100mm DIAMETER PIPES, 14mm FOR 150mm DIAMETER PIPES, 20mm FOR PIPES FROM 150mm TO 600mm DIAMETER AND 40mm FOR PIPES MORE THAN 600mm DIAMETER.

SCALE 1-25
SCALE 1-100
SCALE 1-200
SCALE 1-500

DRAWING LEGEND

SURFACE WATER DRAINAGE	
	EXISTING SURFACE WATER MANHOLE
	EXISTING SURFACE WATER SEWER
	PCC MANHOLE
	450Ø INSPECTION CHAMBER
	RODDING EYE
	SURFACE WATER SEWER
DT	708x708x150 FORMPAVE DISTRIBUTION TANK.
	RAINWATER PIPE
	350mm THICK 200m² SUB-BASE STORAGE LAYER.
FOUL WATER DRAINAGE	
	EXISTING FOUL MANHOLE
	EXISTING FOUL SEWER
FMH	ADOPTABLE FOUL PCC MANHOLE
	ADOPTABLE FOUL SEWER
	EXISTING FOUL WATER SEWER TO BE ABANDONED.
FIC	450Ø INSPECTION CHAMBER
	PRIVATE FOUL WATER SEWER
DP	DRAINAGE POINT

DRAWING LEGEND

SECTION 185 KEY	
red line	PUBLIC SEWER TO BE ABANDONED
blue line	PROPOSED DIVERTED PUBLIC SEWER
yellow	6.0m EASEMENT
green line	SITE BOUNDARY

NOTES

CONTRACTORS MUST VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK ON SHOP DRAWINGS

DO NOT SCALE FROM THIS DRAWING

REPORTS 4 PLANNING COPYRIGHT

NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND CALCULATIONS ASSOCIATED WITH THIS PROJECT.
3. ALL BUILDING DRAINAGE TO BE INSTALLED AND TESTED IN COMPLIANCE WITH THE BUILDING REGULATIONS DRAINAGE AND WASTE DISPOSAL APPROVED DOCUMENT H 2015 EDITION.
4. ALL COMPONENTS AND MATERIALS ARE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, AND LAID AND BACKFILLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND THE RELEVANT BRITISH STANDARDS.
5. THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS, AND ALIGNMENT OF ALL PARTS OF THE WORKS.
6. SMALL LIGHTWEIGHT ACCESS COVERS SHOULD BE SECURED (FOR EXAMPLE WITH SCREWS) TO DETER UNAUTHORISED ACCESS.
7. ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES.
8. INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS, GRADE TO BS: 5328.
9. FOR INTERNAL DRAINAGE POSITIONS REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.
10. FOR LANDSCAPING SURFACE MATERIAL FINISHES REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.
11. ALL PIPES TO BE 100mm DIAMETER UNLESS NOTED OTHERWISE.
12. ALL ADOPTABLE DRAINAGE WORK TO BE COMPLETED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND TO THE SATISFACTION OF SOUTHERN WATER SERVICES LTD.
14. ALL WORK WITHIN THE PUBLIC HIGHWAY TO BE COMPLETED IN ACCORDANCE WITH WEST SUSSEX COUNTY COUNCIL HIGHWAY REQUIREMENTS AND SPECIFICATIONS.
15. ALL IRONWORK WITHIN THE HIGHWAY AND PROPOSED ACCESS AND CARPARK TO BE CLASS D400.
16. THE FOUL AND SURFACE WATER SEWER CONNECTIONS ARE SUBJECT TO A SECTION 106 SEWER CONNECTION APPLICATION WITH SOUTHERN WATER SERVICES LTD.
17. ALL ABANDONED SEWERS ARE TO BE GROUTED UP ENTIRELY OR REMOVED ENTIRELY.

REV	AMENDMENT	DATE	CHKD
P2	AMENDED TO SUIT SOUTHERN WATER COMMENTS.	22.02.21	MGC
P1	PRELIMINARY ISSUE	10.12.19	MGC

DRAWING STATUS

PRELIMINARY

REPORTS 4 PLANNING
A DIVISION OF BROWN FISHER ENVIRONMENTAL LLP

CLIENT
EMSDALE RESIDENTIAL LIMITED

PROJECT
MIXED USE DEVELOPMENT
46a - 47 PIER ROAD
LITTLEHAMPTON

DRAWING TITLE
SECTION 185 LAYOUT, SECTION AND CONSTRUCTION DETAILS

CIVILS

SCALE	DRAWN BY	CHECKED	DATE
AS SHOWN	RAC	MGC	DEC 2019

DRAWING NUMBER	REVISION
1174-1001-CIV-11	P2