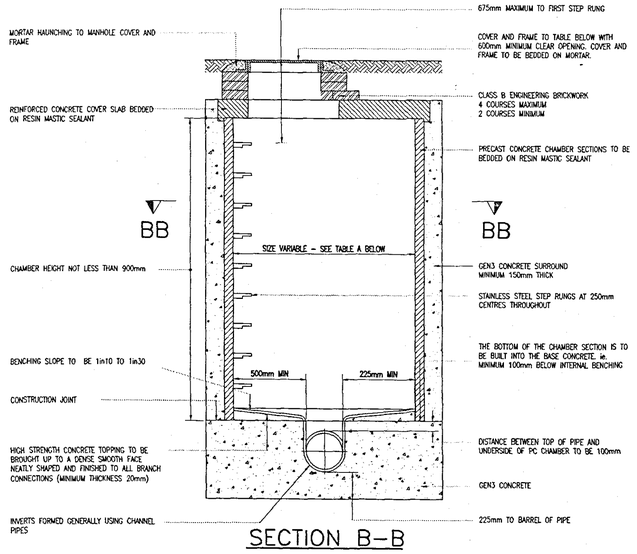
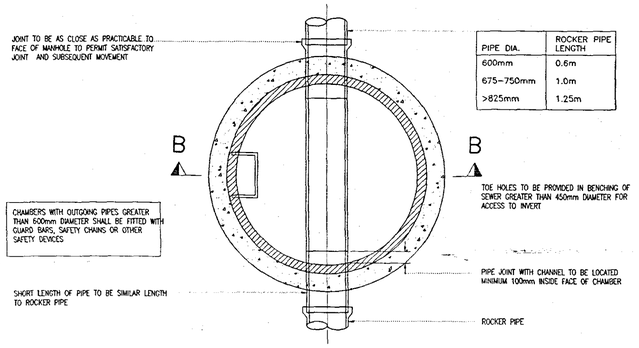
DETAILS ON THIS DRAWING ARE COPYRIGHT OF SIDEBOTTOM RICHARDSON CHENG LIMITED.THIS IS A CONFIDENTIAL DOCUMENT AND MUST NOT BE COPIED, USED OR DIVULGED IN ANY WAY WITHOUT PRIOR WRITTEN CONSENT



SECTION B-B



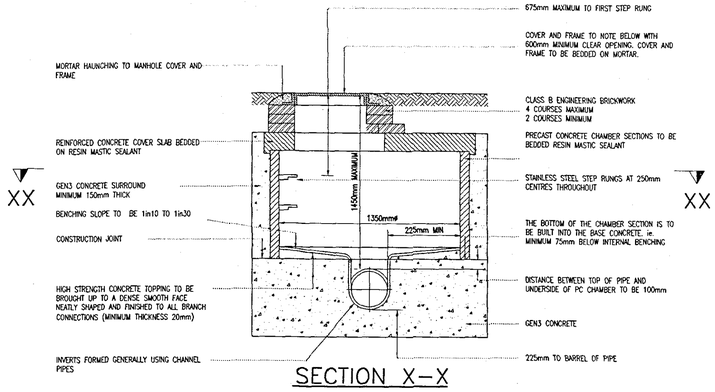
PIPE DIA.	ROCKER PIPE LENGTH
600mm	0.6m
675-750mm	1.0m
>825mm	1.25m

SECTION BB-BB

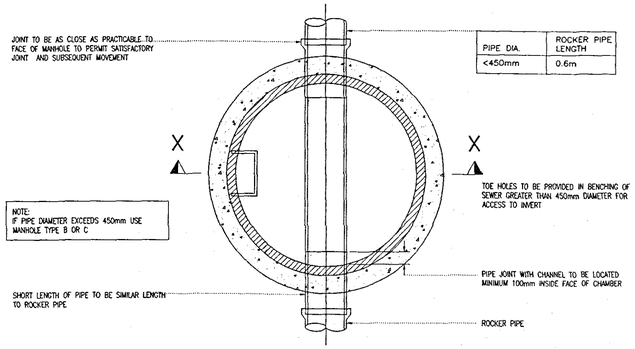
ADOPTABLE MANHOLE TYPE B FOR ANGLIAN WATER

DEPTH TO SOFFIT OF PIPE - 1.35m TO 3.0m

SCALE 1:25



SECTION X-X



PIPE DIA.	ROCKER PIPE LENGTH
<450mm	0.6m

SECTION XX-XX

ADOPTABLE MANHOLE TYPE X FOR ANGLIAN WATER

DEPTH TO SOFFIT OF PIPE - LESS THAN 1.45m

SCALE 1:25

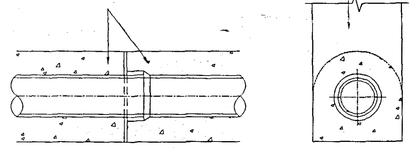
NOTE:-
SULPHATE-RESISTING PORTLAND CEMENT SHALL BE USED IN ALL CONCRETE (INCLUDING PRECAST CONCRETE PRODUCTS), IN ACCORDANCE WITH CLAUSE 4.2.9 OF 'SEWERS FOR ADOPTION' FIFTH EDITION.

ALL MANHOLE COVERS AND FRAMES ARE TO BE DUCTILE IRON CLASS D400 COMPLYING WITH BS EN 124: 1994 AND BADGED 'FW' OR 'SW' AS APPROPIATE. COVERS ALSO TO BE BADGED WITH THE ANGLIAN WATER LOGO

CLASS 1 SULFATE CONDITIONS:	
ADOPTABLE STANDARD WORKS AND AREAS SUBJECT TO HEAVY LOADING	GEN 3 or ST4
AREAS SUBJECT TO LIGHT LOADING eg HOUSING AND PRIVATE DRIVES, SMALL CAR PARKS.	GEN1 or ST2
FOR BURIED CONCRETE EXPOSED TO OTHER SULPHATE CONDITIONS:	
CLASS 2 CLASS 3 CLASS 4A CLASS 4B	FND 2 FND 3 FND 4A FND 4B

150mm MINIMUM GEN3 CONCRETE SURROUND DIVIDED WITH 25mm THICK COMPRESSIBLE BOARD AT EACH JOINT. PROTECT PIPE JOINT FROM THE INGRESS OF CONCRETE BY WRAPPING WITH POLYTHENE SHEET OR ADHESIVE TAPE.

SUITABLE FILL COMPACTED IN LAYERS NOT EXCEEDING 150mm THICKNESS.

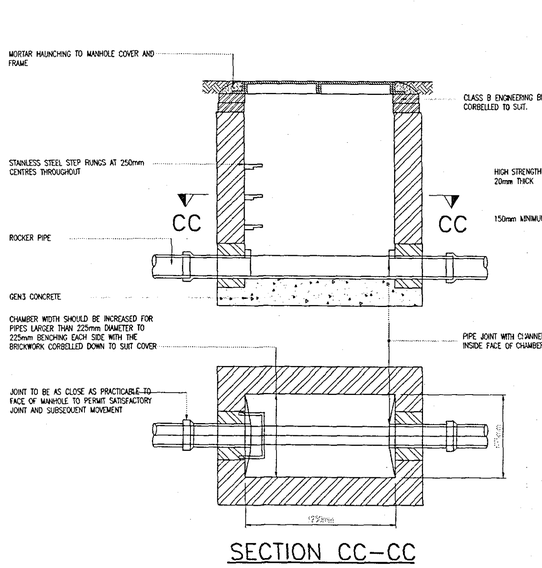


SIDE ELEVATION CROSS SECTION

TYPE Z BEDDING

(Concrete surround)

NOT TO SCALE

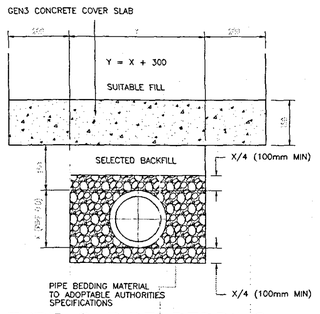


SECTION CC-CC

ADOPTABLE MANHOLE TYPE C FOR ANGLIAN WATER

DEPTH TO SOFFIT OF PIPE - 1.0m TO 1.45m

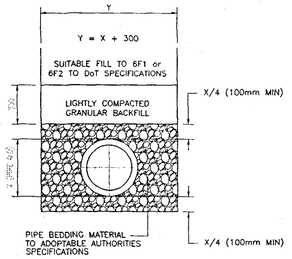
SCALE 1:25



TYPE S PIPE BEDDING WITH CONCRETE SLAB PROTECTION

(Granular bed & surround)

NOT TO SCALE



TYPE S PIPE BEDDING

(Granular bed & surround)

NOT TO SCALE

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

TABLE A SHOWING CHAMBER DIAMETERS FOR MANHOLES TYPE A AND B

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)
LESS THAN 375	1200
375-450	1350
500-700	1500
750-900	1800

PERMITTED PIPE/BEDDING TYPES

	DEPTH OF COVER BELOW ROADS	
	1.2m-3.5m	1.2m-3.5m
PIPE BEDDING	TYPE S	TYPE S
PIPE TYPE	CONCRETE CLASS M TO BS:5911	VITRIFIED CLAY TO BS:65, WITH FLEXIBLE JOINTS SUPER STRENGTH CLASS FOR 225 AND 300mmΦ. EXTRA STRENGTH CLASS FOR ALL OTHER SIZES.
	0.9m-1.2m	<0.9m
	TYPE S + 150 CONC. SLAB	TYPE Z
	CONCRETE CLASS M TO BS:5911 AND VITRIFIED CLAY TO BS:65	CONCRETE CLASS M TO BS:5911 AND VITRIFIED CLAY TO BS:65

SHDC
Planning & Development
- 6 SEP 2005
Ref: 1238/05

REV	DATE	REMARKS

STATUS PRELIMINARY

SIDEBOTTOM RICHARDSON CHENG LTD
15 HIGH STREET, SPALDING, LINCS. PE11 1TW
TEL: (01775) 712660
FAX: (01775) 712635
CONSULTING STRUCTURAL AND CIVIL ENGINEERS
EMAIL: src@s-r-c.co.uk

PROJECT
Proposed Residential Development at Cowley Road Donington

TITLE
ADOPTABLE DRAINAGE DETAILS

DATE	Jan 2005	SCALE	AS SHOWN
DRAWN	SRC	CHECKED	
DESIGN	SRC	FILENAME	SRC 40304
DRG No.	40304/08	REV	

DETERMINED PLAN

DETAILS ON THIS DRAWING ARE COPYRIGHT OF SIDEBOTTOM RICHARDSON CHENG LIMITED.THIS IS A CONFIDENTIAL DOCUMENT AND MUST NOT BE COPIED, USED OR DIVULGED IN ANY WAY WITHOUT PRIOR WRITTEN CONSENT