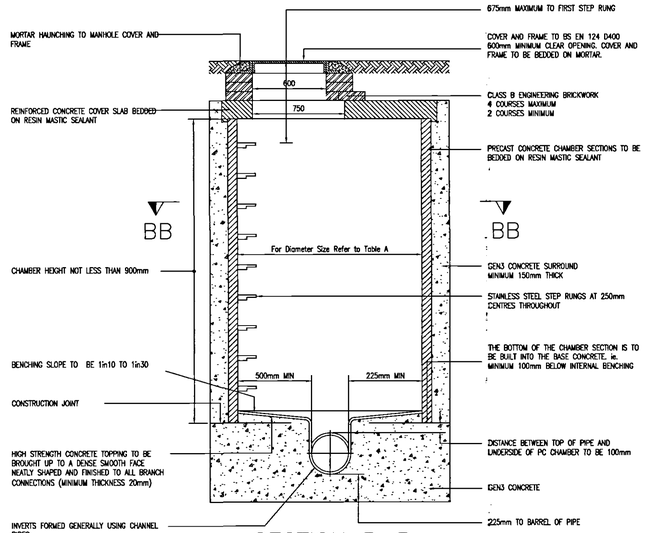
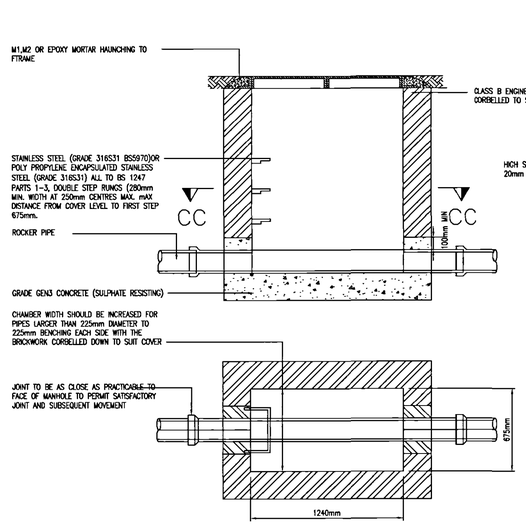
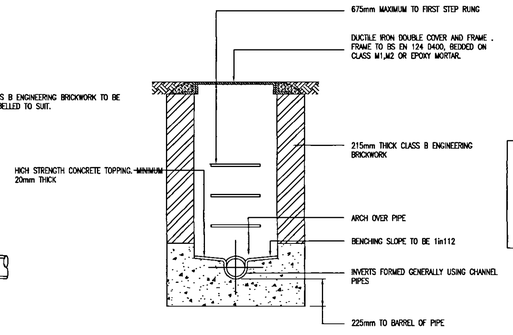
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SECTION B–B



SECTION CC–CC



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' SIXTH 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 LOCO

ADOPTABLE MANHOLE TYPE C FOR HIGHWAYS DRAINS ONLY

DEPTH TO SOFFIT OF PIPE – 1.0m TO 1.45m

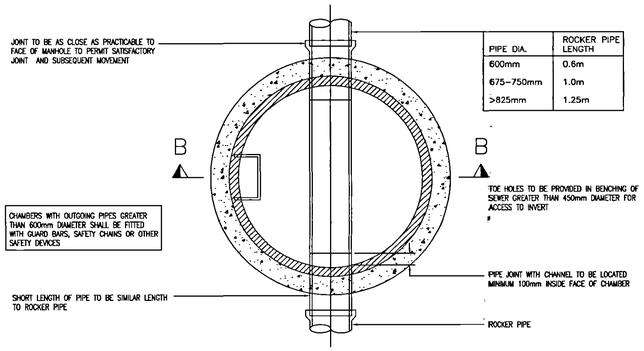
SCALE 1:25

NOTES

1. ALL WORKS TO BE CARRIED OUT TO THE FULL SATISFACTION AND REQUIREMENTS OF ANGLIAN WATER.
2. WORKS WITHIN THE HIGHWAY TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF, AND TO THE SATISFACTION OF THE HIGHWAY AUTHORITY (LINCOLNSHIRE COUNTY COUNCIL).
3. SEWERS TO BE ADOPTED SHALL BE IN ACCORDANCE WITH THE 6TH EDITION OF 'SEWERS FOR ADOPTION' BY THE WATER AUTHORITIES ASSOCIATIONS AND ANY ANGLIAN WATER AMENDMENTS TO THAT DOCUMENT.
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 IS RESPONSIBLE AND LIABLE FOR ENSURING THE STABILITY OF THE WORKS AND SERVICES AT ALL STAGES OF CONSTRUCTION.
6. 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.
7. THE EXCAVATIONS AND SURROUNDING SITE SHALL BE KEPT FREE OF WATER.
8. EXISTING SERVICES ARE TO BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES.
9. CONCRETE MIX DESIGNATIONS SHOWN ON THIS DRAWING ARE TO BS: 5328.

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 120 TO BS:5911–1 2002	VITRIFIED CLAY TO BS:65, WITH FLEXIBLE JOINTS SUPER STRENGTH CLASS FOR 225 AND 300mmø. EXTRA STRENGTH CLASS FOR ALL OTHER SIZES.
	0.9m–1.2m TYPE S + 150 CONC. SLAB CONCRETE CLASS 120 TO BS:5911–1 2002 AND VITRIFIED CLAY TO BS:65	<0.9m TYPE Z CONCRETE CLASS 120 TO BS:5911–1 2002 AND VITRIFIED CLAY TO BS:65



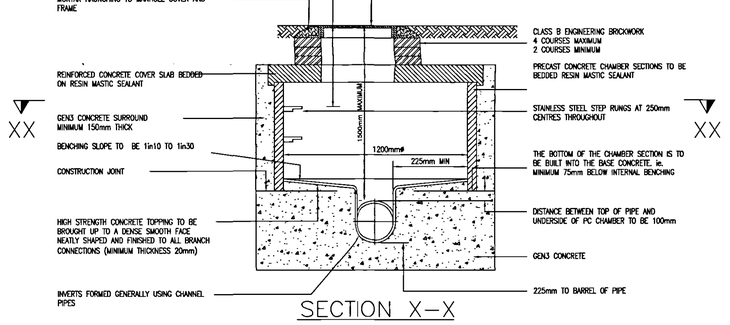
SECTION BB–BB

ADOPTABLE MANHOLE TYPE B FOR ANGLIAN WATER

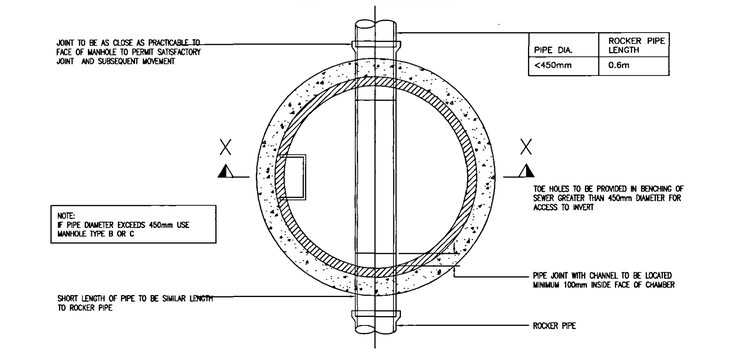
DEPTH TO SOFFIT OF PIPE – 1.35m TO 3.0m

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
375–750	1500
750–900	1800



SECTION X–X

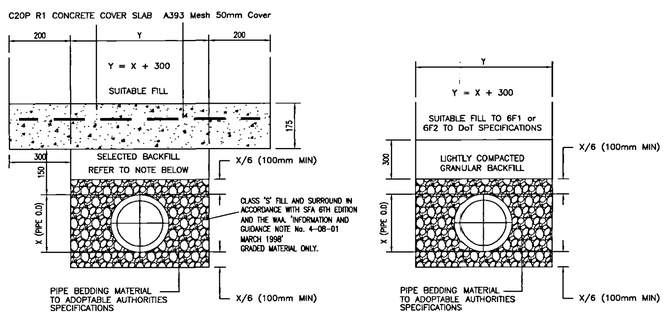


SECTION XX–XX

ADOPTABLE MANHOLE TYPE E FOR ANGLIAN WATER

DEPTH TO SOFFIT OF PIPE – LESS THAN 1.50m

SCALE 1:25



TYPE S PIPE BEDDING WITH CONCRETE SLAB PROTECTION

(Granular bed & surround)

NOT TO SCALE

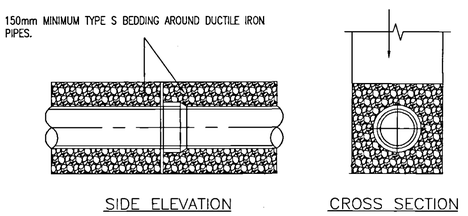
TYPE S PIPE BEDDING

(Granular bed & surround)

NOT TO SCALE

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

UNDER CARRIAGWAY BACKFILL TO BE TYPE 1 GRANULAR MATERIAL.



SIDE ELEVATION CROSS SECTION

TYPE S BEDDING FOR DUCTILE IRON

NOT TO SCALE

Received
Planning & Development
20 JUL 2007
Ref: 0982/07

REV	DATE	REMARKS
B	24.04.07	Ductile iron bedding detail added.
A	14.04.07	Manhole Type E added.

STATUS
ISSUED FOR TECHNICAL APPROVAL

SIDEBOTTOM RICHARDSON CHENG LTD
CONSULTING STRUCTURAL AND CIVIL ENGINEERS
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E-MAIL: src@s-r-c.co.uk

PROJECT
Proposed Residential
Flaxmill Lane
Spalding

TITLE
Adoptable Drainage Details

NOT DETERMINED
PLAN

DATE	Aug'06	SCALE	1:25
DRAWN	HP	CHECKED	
DESIGN		FILENAME	22506–05

DRG No. 22506/05 REV B

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