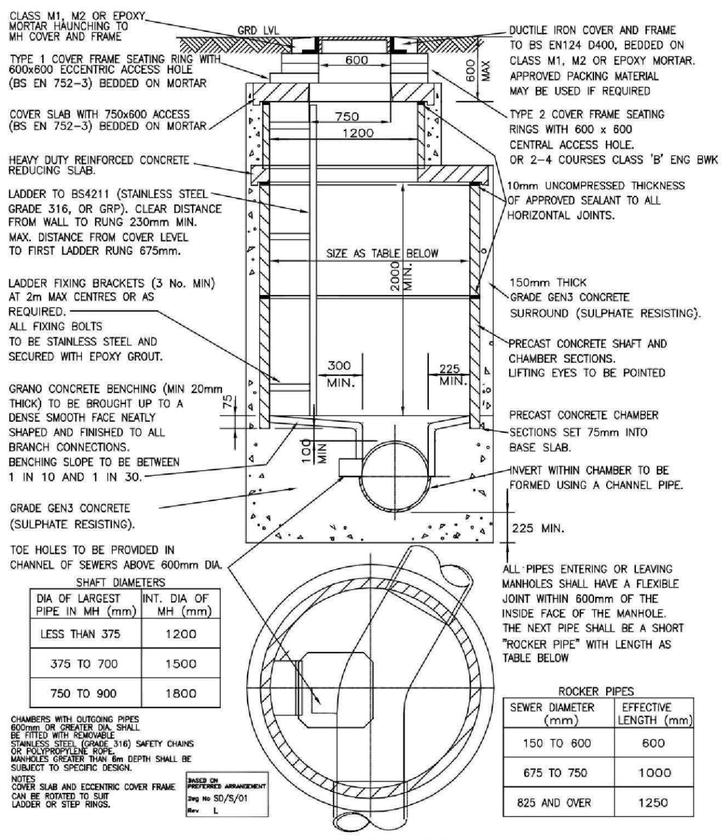
DO NOT SCALE



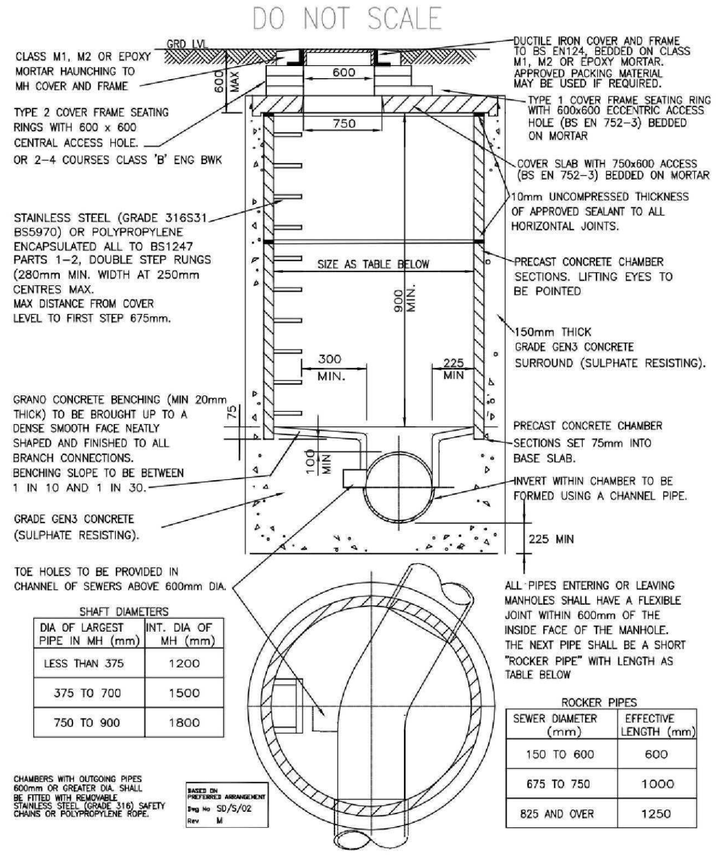
SHAFT DIAMETERS

DIA OF LARGEST PIPE IN MH (mm)	INT. DIA OF MH (mm)
LESS THAN 375	1200
375 TO 700	1500
750 TO 900	1800

ROCKER PIPES

SEWER DIAMETER (mm)	EFFECTIVE LENGTH (mm)
150 TO 600	600
675 TO 750	1000
825 AND OVER	1250

MANHOLE TYPE A
(DEPTH TO SOFFIT 3m - 6m)



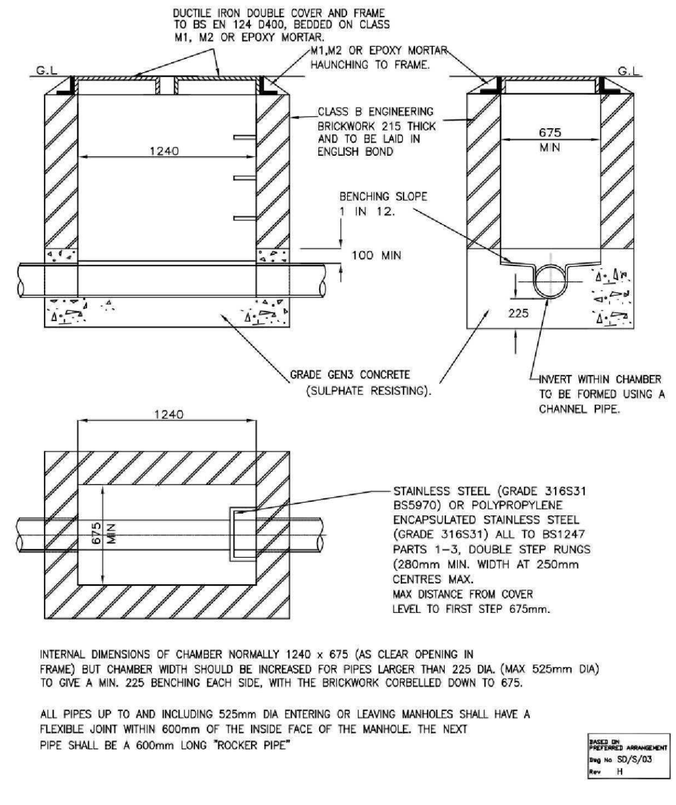
SHAFT DIAMETERS

DIA OF LARGEST PIPE IN MH (mm)	INT. DIA OF MH (mm)
LESS THAN 375	1200
375 TO 700	1500
750 TO 900	1800

ROCKER PIPES

SEWER DIAMETER (mm)	EFFECTIVE LENGTH (mm)
150 TO 600	600
675 TO 750	1000
825 AND OVER	1250

MANHOLE TYPE B
(DEPTH TO SOFFIT LESS THAN 3m)



INTERNAL DIMENSIONS OF CHAMBER NORMALLY 1240 x 675 (AS CLEAR OPENING IN FRAME) BUT CHAMBER WIDTH SHOULD BE INCREASED FOR PIPES LARGER THAN 225 DIA. (MAX 525mm DIA) TO GIVE A MIN. 225 BENCHING EACH SIDE, WITH THE BRICKWORK CORBELLED DOWN TO 675.

ALL PIPES UP TO AND INCLUDING 525mm DIA ENTERING OR LEAVING MANHOLES SHALL HAVE A FLEXIBLE JOINT WITHIN 600mm OF THE INSIDE FACE OF THE MANHOLE. THE NEXT PIPE SHALL BE A 600mm LONG "ROCKER PIPE"

BASED ON PREFERRED ARRANGEMENT
Dwg No SD/S/03
Rev H

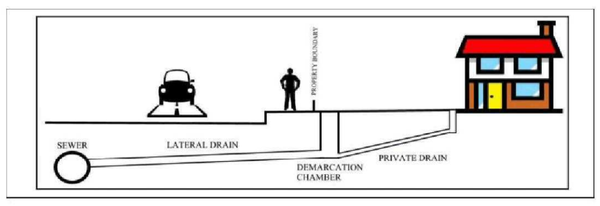
MANHOLE TYPE C
(DEPTH TO SOFFIT UPTO 1.45m)

PUBLIC LATERAL DRAIN (PLD) GUIDANCE DOCUMENT

Under the provisions of the Water Act 2003, Anglian Water has the power to take ownership of a lateral drain, constructed after 28th May 2004, which satisfies sewer standards.

The minimum 'sewer standard' required by Anglian Water is that contained in the current version of 'Sewers for Adoption' published by Water Research Centre.

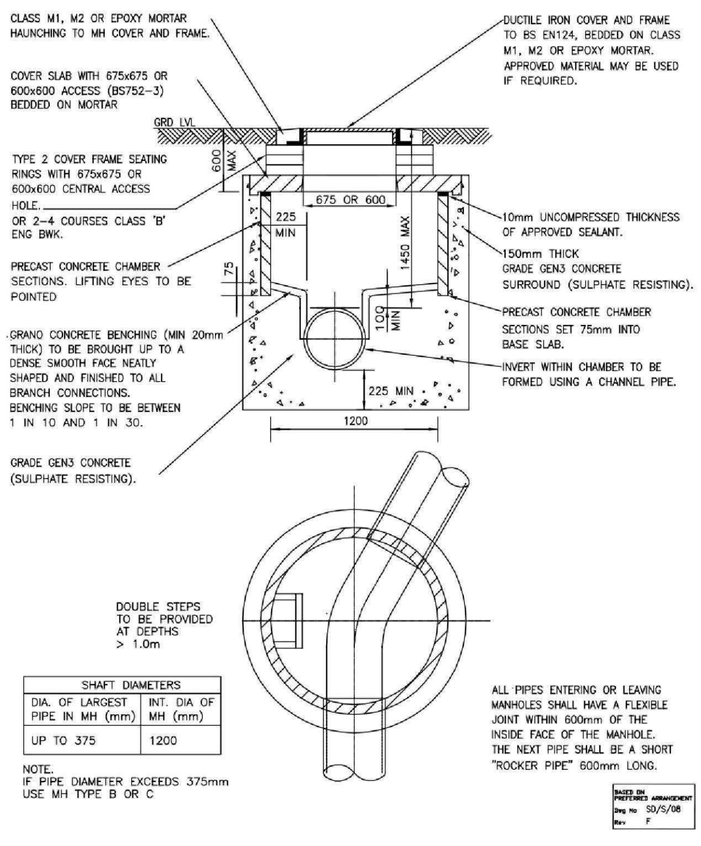
NOTE: A 'drain' is a pipe which serves a single property.



Basic requirements:
- A demarcation chamber must be constructed within 1m of the boundary, preferably inside the property boundary and in the driveway.
- The minimum diameter for a foul lateral drain is 100mm and for a surface water lateral drain is 150mm.
- The minimum gradient for a 100mm foul lateral drain is 1:80 and for a 150mm surface water lateral drain is 1:150
- The minimum cover between top of pipe and ground level is 0.9m where laid in gardens/verges or 1.2m where laid in Highways, footpaths or driveways.
- Pipes shall be installed with a granular bed and surround (Class S) – See drawing SD-S-11 Rev.E*
- The use of plastic pipes will not be permitted unless the plastic pipe can withstand 4000 psi jetting pressure.

Demarcation chamber requirements:
- Minimum chamber diameter of 450mm for 100/150mm pipes.
- Chamber access to be restricted to 350mm opening if more than 1.2m deep.
- Cover and frames shall comply with BS EN 124. Covers to be Class B125 when positioned in gardens, verges, driveways or footpaths.

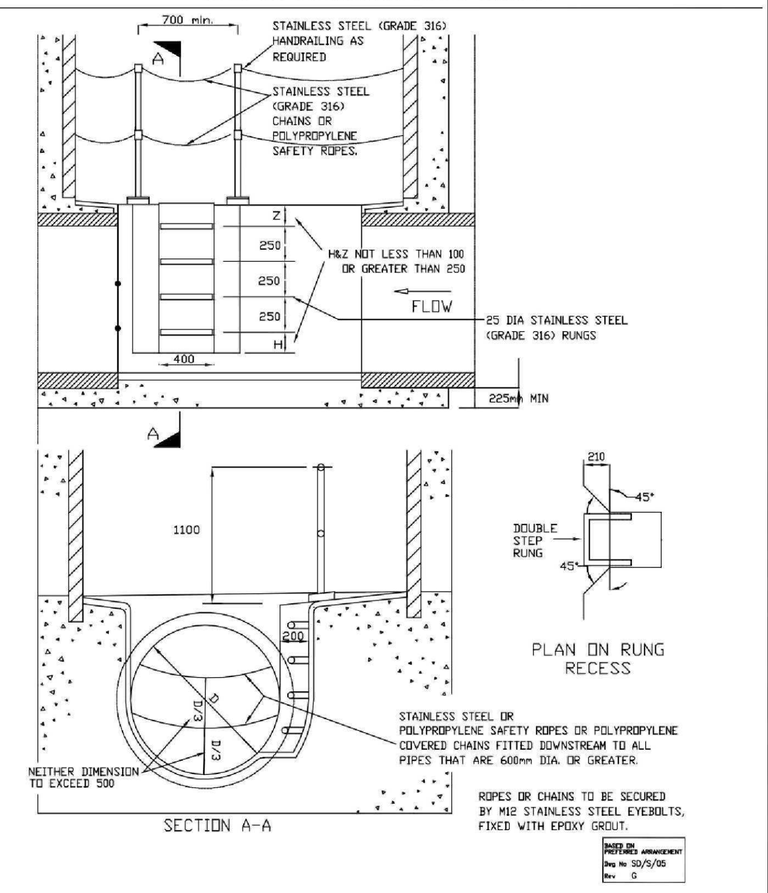
*see www.anglianwater.co.uk/developers/sewer-connection/designing/



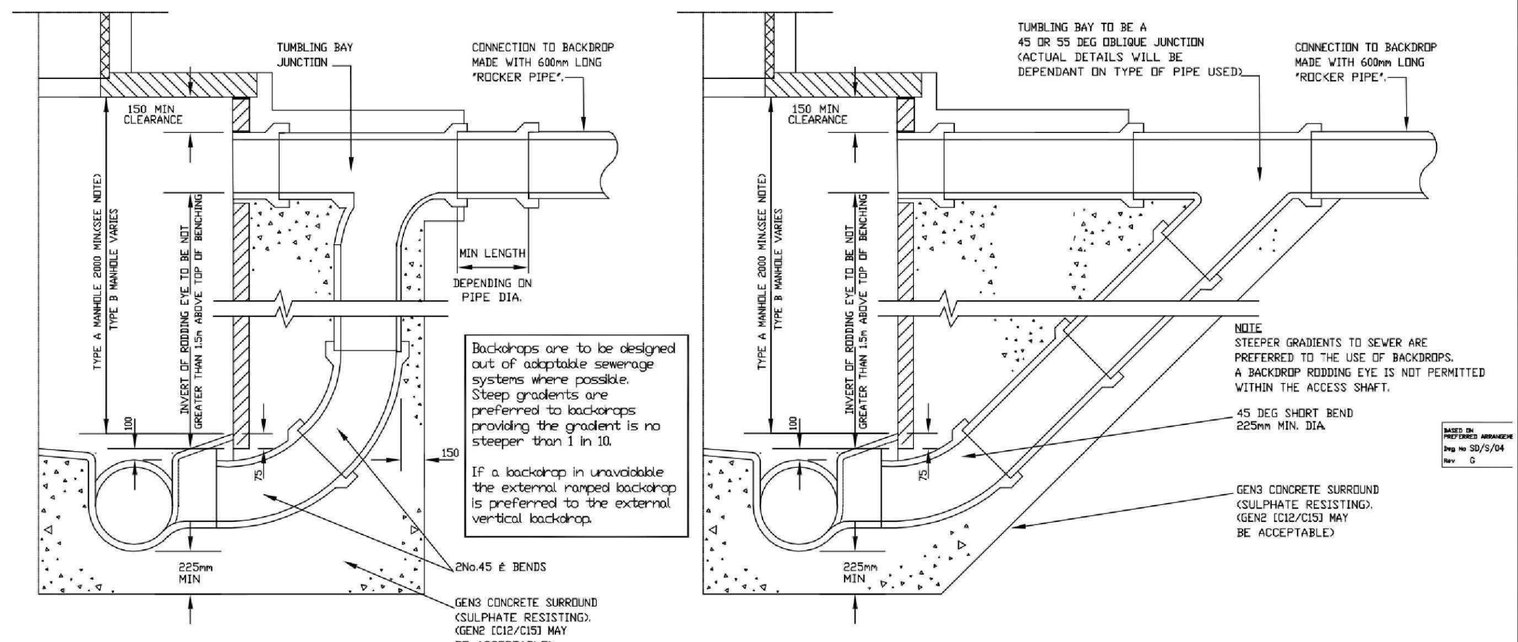
SHAFT DIAMETERS	
DIA. OF LARGEST PIPE IN MH (mm)	INT. DIA OF MH (mm)
UP TO 375	1200

NOTE.
IF PIPE DIAMETER EXCEEDS 375mm USE MH TYPE B OR C

MANHOLE TYPE E
(DEPTH TO SOFFIT 1.00m TO 1.45m)



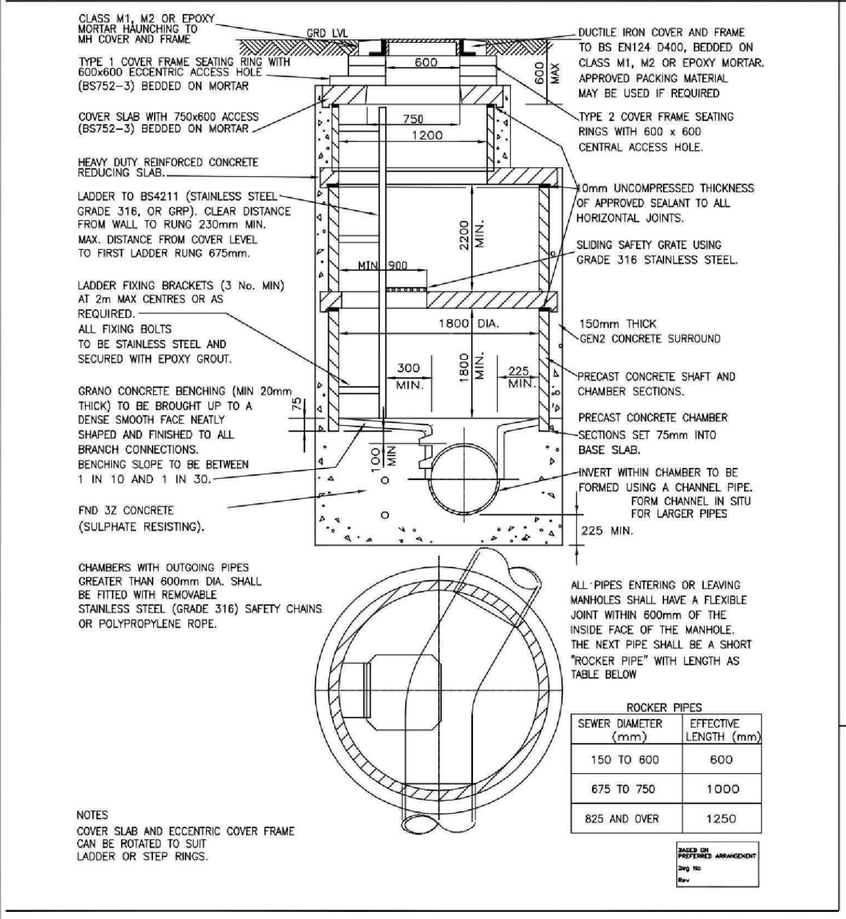
ACCESS TO INVERT
FOR PIPE DIA. 600mm OR GREATER



EXTERNAL VERTICAL BACKDROP

BACKDROP TO MANHOLE

EXTERNAL RAMPED BACKDROP

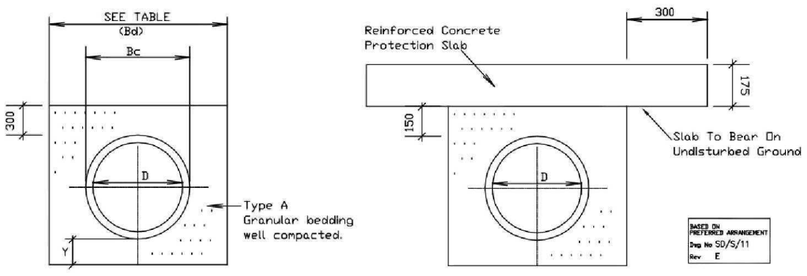


ROCKER PIPES

SEWER DIAMETER (mm)	EFFECTIVE LENGTH (mm)
150 TO 600	600
675 TO 750	1000
825 AND OVER	1250

PIPE DIA(mm)	TRENCH WIDTH Bd(mm) MAX. MEASURED 300mm ABOVE PIPE SOFFIT
100	550
150	600
225	700
300	750
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
1000	2000

TRENCH WIDTHS TABLE



GRANULAR BED AND SURROUND
CLASS S
BEDDING FACTOR 2.2

NOTES.
1. Granular bedding Type A:- As specified.
2. Class 'S' granular bed & surround preferred with the addition of a reinforced concrete protection slab where the depth of cover beneath the highway is less than 1.2m or less than 0.9m in non trafficked areas.
3. Dimension 'Y'
   BEDDING TYPE :- CLASS S - 1/4Bc or 150mm min. up to 600 dia.
   1/6Bc or 100mm min. for 675 dia. and above.

BEDDING DETAILS FOR CONCRETE & CLAYWARE PIPES

REV	DETAILS	BY	DATE
E			
D			
C			
B			
A			

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The information shown on this drawing is based on the best available information but the actual position of all apparatus must be regarded as approximate and MUST be established by trial holes. No liability whatsoever is accepted for any error or omission.

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PROJECT TITLE
PROPOSED DEVELOPMENT AT WYGATE PARK, SPALDING, LINCOLNSHIRE

DRAWING TITLE
STANDARD ADOPTABLE SEWERAGE DETAILS

DESIGNED:	DRAWN: S.J.H.	DATE: 120410	CHECKED:	APPROVED:	SCALE: N.T.S.	A1	WBP DRAWING NO. E2238/5	DRAWING No. TWY014/104	REV.

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