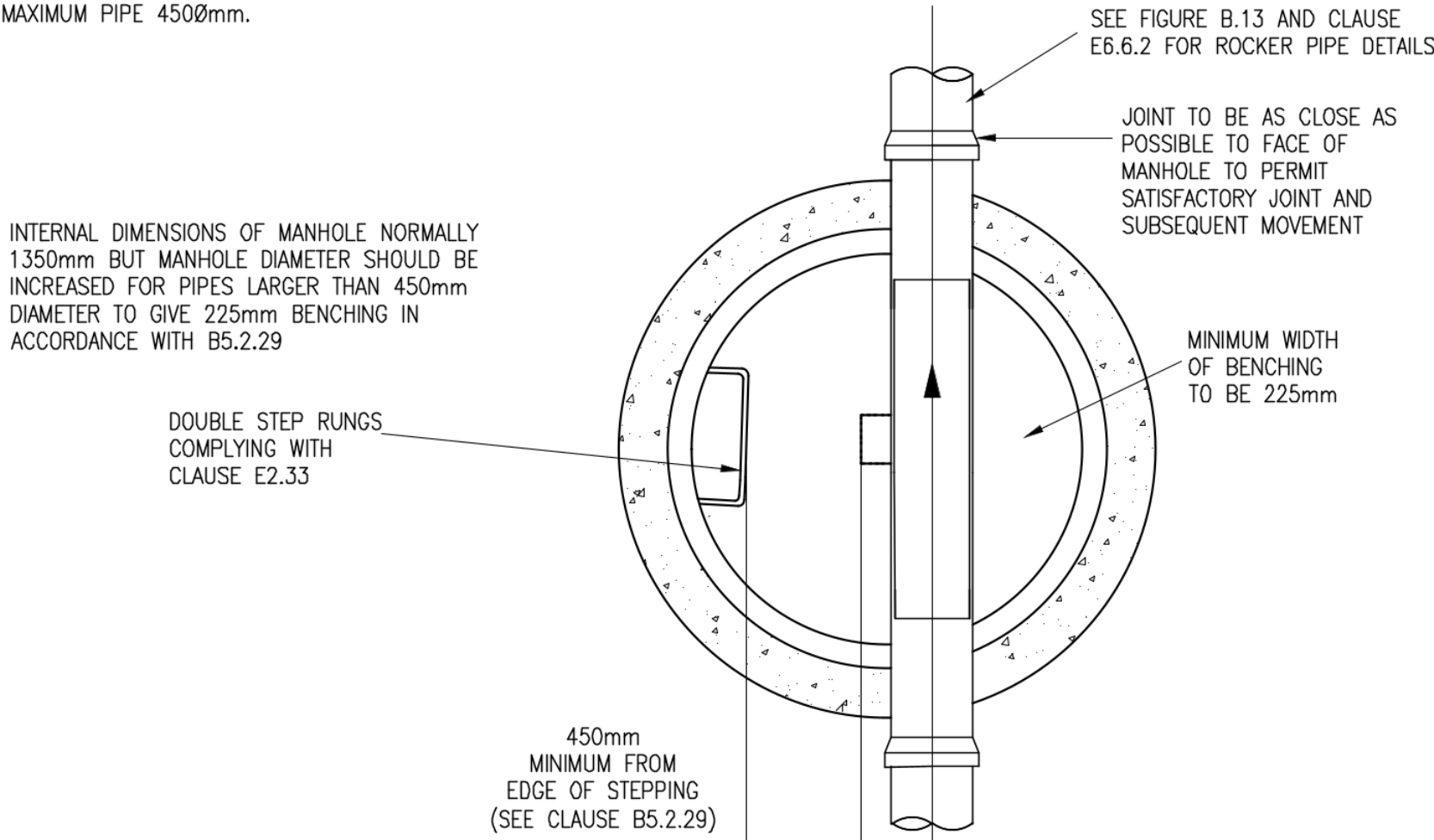
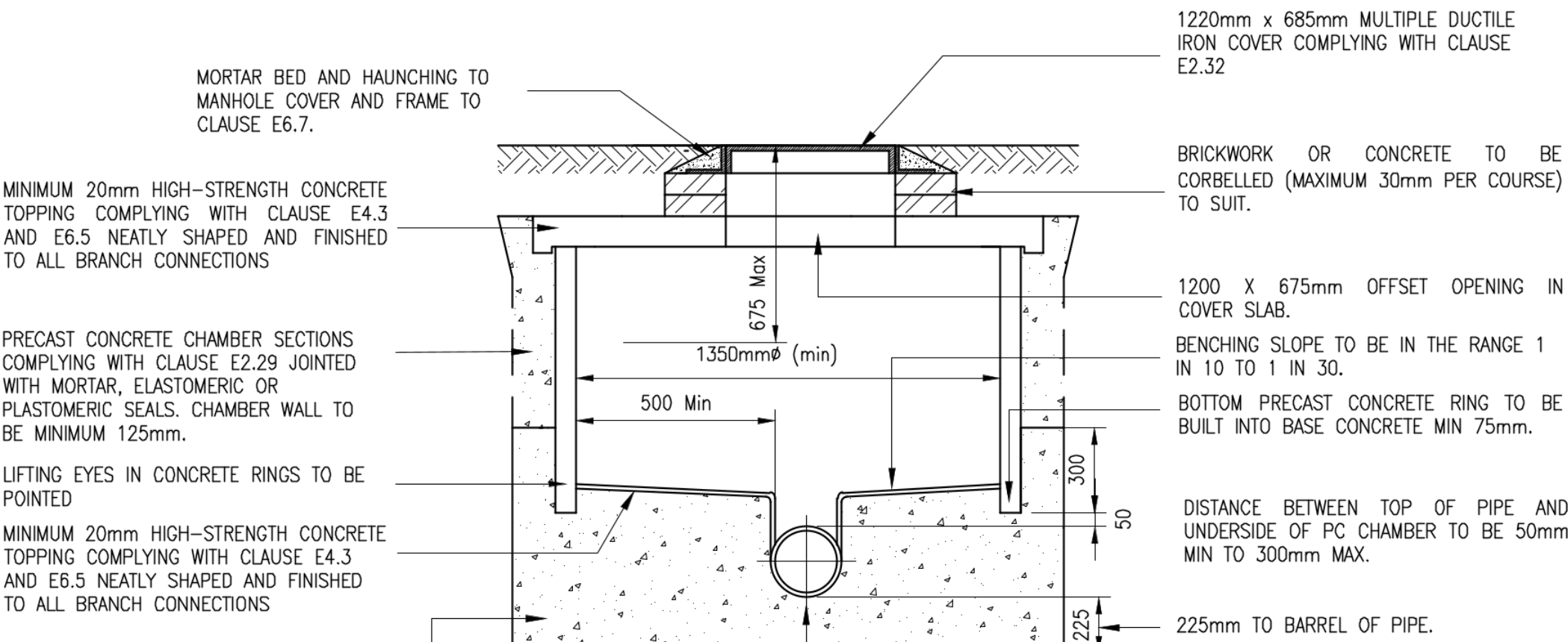
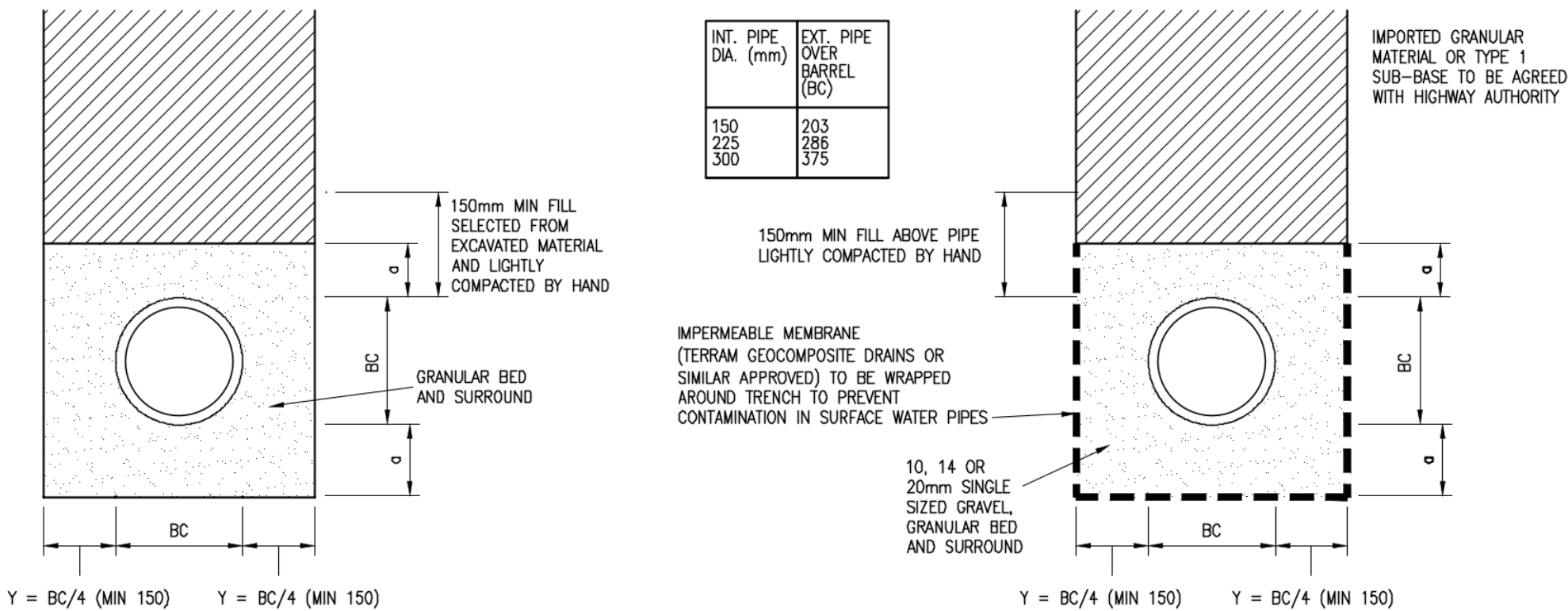
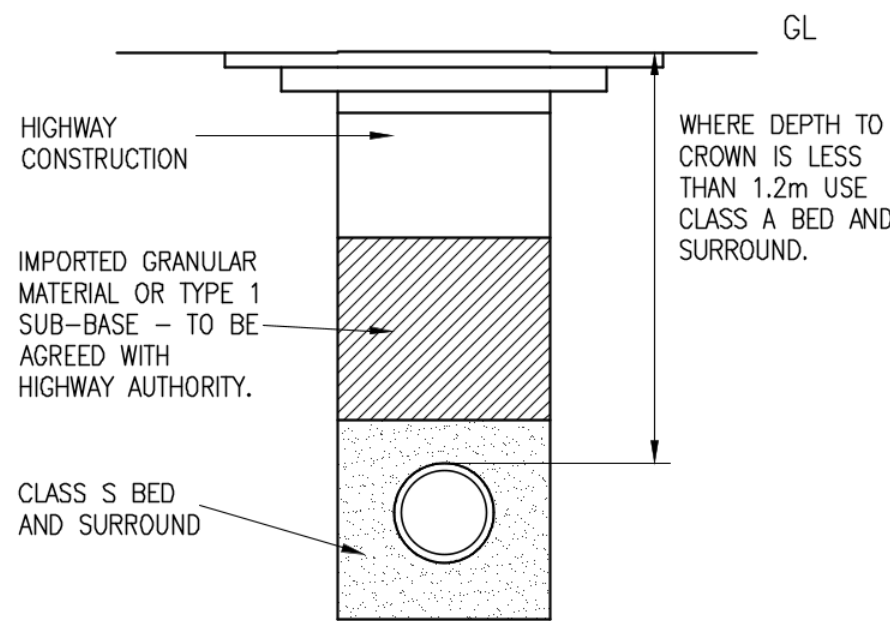
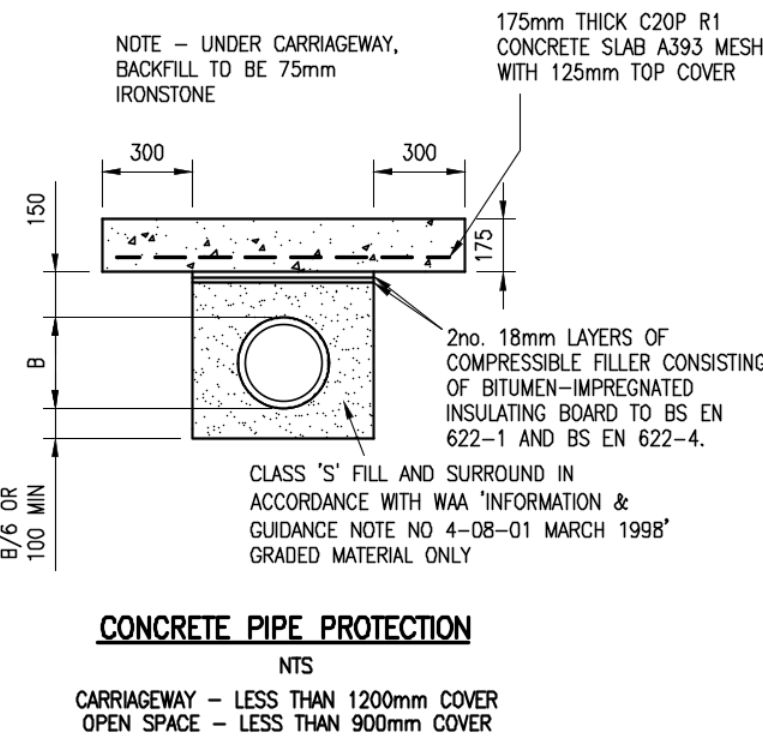




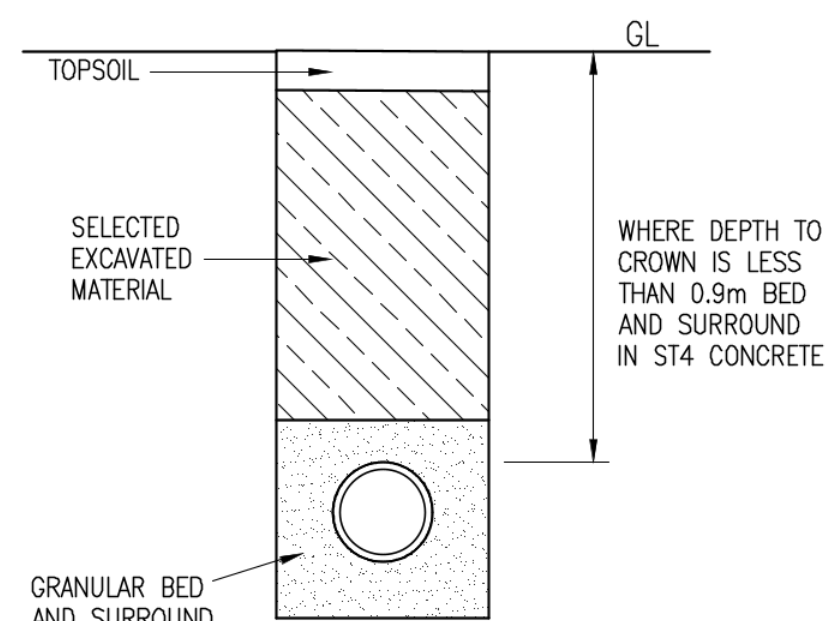
TYPICAL MANHOLE DETAIL FIG.B15 TYPE C
DEPTH FROM CL TO SOFFIT 1.00
TO 1.50m
SCALE 1:20



GRANULAR BED AND SURROUND (CLASS S)
NTS
GRANULAR BED AND SURROUND (CLASS 3)
FOR FOUL PIPES LAID ABOVE SURFACE WATER PIPES
NTS



TRENCH IN ADOPTABLE HIGHWAY/CARRIAGEWAY
NTS



TRENCH IN OPEN SPACE/PRIVATE LAND
NTS

MANHOLE CHAMBER SIZES	
DIAMETER LARGEST PIPE IN MANHOLE	CHAMBER SECTION DIAMETER REQUIRED
< 375	1200
375-700	1500
750-900	1800

THE SIZES STATED ARE THE MINIMUM ACCEPTABLE. WHERE TWO OR MORE PIPES ENTER THE MANOLE THE CHAMBER SIZE MUST BE SUFFIEICIENT TO ACCOMMODATE THE REQUIRED BENCHING SHOWN.

NOTES:
ALL PIPES BUILT INTO MANHOLE INVERT SHALL BE INSTALLED TO SOFFITS LEVEL.

NOMINAL BORE OF PIPE (min)	AGGREGATE SIZE (mm) SINGLE SIZED GRADED	
100	10	-
150	10 OR 14	14 TO 5
225-300	10,14 OR 20	14 TO 5 OR 20 TO 5
375-525	14 OR 20	14 TO 5 OR 20 TO 5
EXCEEDING 525	14,20 OR 40	14 TO 5 OR 20 TO 5 40 TO 5

DIM X > 150mm FOR PIPES < 200mmØ
DIM X > 200mm FOR PIPES TRENCHES IN ROCK

PROTECTION	MIN. COVER	LOCATION
CLASS S BEDDING - 150 GRANULAR BED AND SURROUND.	0.35m	DOMESTIC GARDENS AND PATHWAYS WITHOUT ANY POSSIBILITY OF VEHICULAR ACCESS.
	0.50m	DOMESTIC DRIVEWAYS, PARKING AREAS, AND YARDS WITH HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES >7.5 TONNES.
	0.90m	DOMESTIC DRIVEWAYS, PARKING AREAS, AND NARROW STREETS WITHOUT FOOTWAYS WITH LIMITED ACCESS FOR VEHICLES >7.5 TONNES, AND AGRICULTURAL LAND AND PUBLIC OPEN SPACE.
	1.20m	OTHER HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES >7.5 TONNES
CONCRETE SLAB PROTECTION	LESS THAN	MINIMUM COVER AS SPECIFIED ABOVE

NOTES:

- FOUL SEWERS SHALL BE CONSTRUCTED TO THE SATISFACTION OF SEVERN TRENT WATER AND IN ACCORDANCE WITH 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 ("THE CODE") APPROVED VERSION 2.2 JUNE 2022.
- ALL SPECIFICATION CLAUSES LISTED REFER TO AFOREMENTIONED DOCUMENT.
- THIS DRAWING IS INTENDED FOR GUIDANCE ONLY, IS NOT FULLY COMPREHENSIVE AND MUST BE READ IN CONJUNCTION WITH THE ABOVE DOCUMENT, WHICH WILL SUPERSEDE THIS DRAWING IN THE EVENT OF CONFLICT.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ALL MATERIALS FOR USE IN THE CONTRACT MUST BE BS KITEMARKED.
- THE CONTRACTOR MUST ALLOW WITHIN THEIR RATES FOR COMPLIANCE AT ALL TIMES WITH THE 1974 HEALTH AND SAFETY AT WORK ACT AND THE 2015 CDM REGULATIONS.
- FLOWS IN EXISTING SEWERS SHALL BE MAINTAINED AT ALL TIMES.
- ALL LIFTING EYES IN P.C.C. PRODUCTS SHALL BE POINTED SMOOTH AFTER FIXING.
- CORRELLING OF BRICKWORK SHALL NOT EXCEED 30MM PER COURSE.
- ALL CEMENT AND CONCRETE PRODUCTS TO USE SULPHATE RESISTING CEMENT.
- ALL PIPEWORK TO HAVE SPIGOT AND SOCKET FLEXIBLE JOINTS UNLESS OTHERWISE SPECIFIED. ALL CLAY PIPES AND FITTINGS SHALL BE TO BS EN295-1. ALL CONCRETE PIPES AND FITTINGS SHALL BE TO BS5911-1 & BS EN 1916.
- WHEREVER APPROPRIATE, GEOTEXTILES SHALL BE USED TO CONTAIN BEDDING & SURROUND MATERIAL E.G. IN AREAS OF RUNNING SAND.
- ALL MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE BS 5911-3 & BS EN1917.
- PIPES OF DIFFERENT DIAMETERS ENTERING MANHOLES SHALL BE INSTALLED WITH SOFFITS AT THE SAME LEVEL UNLESS STATED OTHERWISE.
- TYPE B MANHOLE COVERS TO BE 675 x 675mm COVER AND FRAME TO MAINTAIN CLEAR 600 x 600mm CLEAR OPENING, UNLESS OTHERWISE STATED IN ACCORDANCE WITH BS EN 124 CLASS D400 AND EMBOSSED.
- PRECAST CONCRETE RINGS SHALL NOT BE CUT UNDER ANY CIRCUMSTANCES. MANHOLES TO BE BUILT UP WITH CONCRETE OR BRICK WORK TO THE REQUIRED LEVEL.

THIS DRAWING IS FOR INFORMATION/ APPROVAL AND SUBJECT TO AMENDMENT. NO RELIANCE SHOULD BE TAKEN UNTIL THE DRAWING STATUS IS CHANGED TO 'FOR CONSTRUCTION'.

A	CLIENT DETAILS AMENDED AND DRAWING STATUS CHANGED	DMH	PT	NB	09.02.24
-	FIRST ISSUE	EM	EM	DMH	11.05.23
REV:	AMENDMENTS:	DRN:	CHK:	APP:	DATE:

PROJECT: SITE NORTH OF HEATH LANE SURGERY, WESTFIELD AVENUE EARL SHILTON

DRAWING TITLE: ADOPTBALE DRAINAGE CONSTRUCTION DETAILS

CLIENT: AVANT HOMES LTD

DRAWING NUMBER: 27695_02_080_02

REVISION: A SHEET SIZE: A1 SCALE: AS SHOWN

STATUS: FOR INFORMATION / APPROVAL

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