

SUITABLE FILL:- THE SUITABLE FILL SHALL BE SUITABLE FOR THE LOCATION AND SHALL BE CAREFULLY COMPACTED TO PROVIDE STABILITY WITHOUT DAMAGING THE PIPE. FILL UNDER CAR PARKING AREAS AND PRIVATE ROADS TO BE WELL COMPACTED GRADED MATERIAL. FILL UNDER ADOPTED ROADS TO BE TYPE 1 GRANULAR SUB-BASE.

WHERE THE PIPES ARE TO BE ADOPTED CLASS S BEDDING TO BE USED FOR EITHER RIGID OR FLEXIBLE PIPES SIZE OF BEDDING MATERIAL - ALL GRANULAR MATERIAL TO BE SINGLE SIZED OR GRADED

PIPE DIAMETER	NOMINAL SINGLE SIZED	GRADED
UP TO 100mm	10mm	5mm to 10mm
OVER 100mm TO 150mm	10mm or 14mm	5mm to 14mm
OVER 150mm TO 300mm	10mm,14mm or 20mm	5mm to 14mm or 5mm to 20mm
OVER 300mm TO 550mm	14mm or 20mm	5mm to 14mm or 5mm to 20mm
OVER 550mm	14mm, 20mm or 40mm	5mm to 14mm or 5mm to 20mm or 5mm to 40mm

PRODUCT NAME	DIAMETER (mm)	MANUFACTURER	MATERIAL
SUPERSLEVE	100&150 (I.D)	HEPWORTH	VITRIFIED CLAY
SUPERSEAL	100&225 (I.D)	HEPWORTH	VITRIFIED CLAY
DENSLEEVE	100,150&225 (I.D)	NAYLOR	VITRIFIED CLAY
DENSEAL	100,150&225 (I.D)	NAYLOR	VITRIFIED CLAY
ULTRA-DRAIN	110&160 (O.D)	UPONOR	uPVC
PLASTIDRAIN	110&160 (O.D)	HEPWORTH	uPVC
OSMADRAIN	110&160 (O.D)	WAVIN	uPVC
OSMA ULTRARIB	150&225 (I.D)	WAVIN	uPVC
SOLID WALL	110&160 (O.D)	MARLEY	uPVC
QUANTUM	150&225 (I.D)	MARLEY	uPVC
UNDERGROUND DRAIN	110&160 (O.D)	POLYPIPE	uPVC
RIDGISEWER	150&225 (I.D)	POLYPIPE	uPVC

LIMITS OF COVER IN ANY WIDTH OF TRENCH

NOMINAL SIZE	LAID IN FIELDS	LAID IN LIGHT ROADS	LAID IN MAIN ROA
CLASS 120 CLAYWARE PIPES (CLASS B BEDDING)			
100-150mm	0.6m - 8.0m	1.2m - 8.0m	1.2m - 8.0m
225mm	0.6m - 5.0m	1.2m - 5.0m	1.2m - 4.5m
400mm	0.6m - 4.5m	1.2m - 4.5m	1.2m - 4.0m
600mm	0.6m - 4.5m	1.2m - 4.5m	1.2m - 4.0m
CLASS M CONCRETE PIPES (CLASS B BEDDING)			
300mm	0.6m - 3.0m	1.2m - 3.0m	1.2m - 2.5m
450mm	0.6m - 3.5m	1.2m - 3.5m	1.2m - 2.5m
600mm	0.6m - 3.5m	1.2m - 3.5m	1.2m - 3.0m
THERMOPLASTIC PIPES (CLASS S BEDDING)			
100 - 300mm	0.6m - 7.0m	0.9m - 7.0m	0.9m - 7.0m
		•	•

MANUFACTURER	PRODUCT NAME	MATERIAL	MAX DEPTH
NAYLOR	PLASTIC INSPECTION CHAMBER	POLYPROPYLENE	Up to 1200mm
HEPWORTH	PPIC	POLYPROPYLENE	Up to 1200mm
UPONOR	INSPECTION CHAMBER (450MMØ)	POLYPROPYLENE	Up to 1200mm
MARSHALLS	INSPECTION CHAMBER TO BS5911 PT2	PRECAST CONCRETE	Up to 1000mm
WAVIN	OSMA ULTRARIB INSPECTION CHAMBER	POLYPROPYLENE	Up to 1200mm
WAVIN	OSMADRAIN UNIVERSAL INSPECTION CHAMBER	POLYPROPYLENE	Up to 1200mm
WAVIN	NON ENTRY INSPECTION CHAMBER	POLYPROPYLENE	Up to 2000mm
MARLEY	INSPECTION CHAMBER (450MMØ)	POLYPROPYLENE	Up to 1200mm
POLYPIPE	110MM INSPECTION CHAMBER (460MMØ)	POLYPROPYLENE	Up to 1200mm

CONCRETE PROTECTION	
CLASS 1 SULPHATE CONDITIONS	
	Π

ADOPTABLE STANDARDS AND AREAS SUBJECT TO HEAVY LOADING	GEN3 OR GEN 3
AREAS SUBJECT TO LIGHT LOADING eg. PRIVATE DRIVES, SMALL CAR PARKS	GEN1 OR ST2
FOR BURIED CONCRETE EXPOSED TO SU	JLPHATE CONDITIONS
CLASS 2	FND 2
CLASS 3	FND 3
CLASS 4A	FND 4A
CLASS 4B	FND 4B



М

N

Р

I J K I

н

| 500 150 200 \sim

CONCRETE SLAB PROTECTION DETAIL

150



YORKSHIRE WATER NOTES: