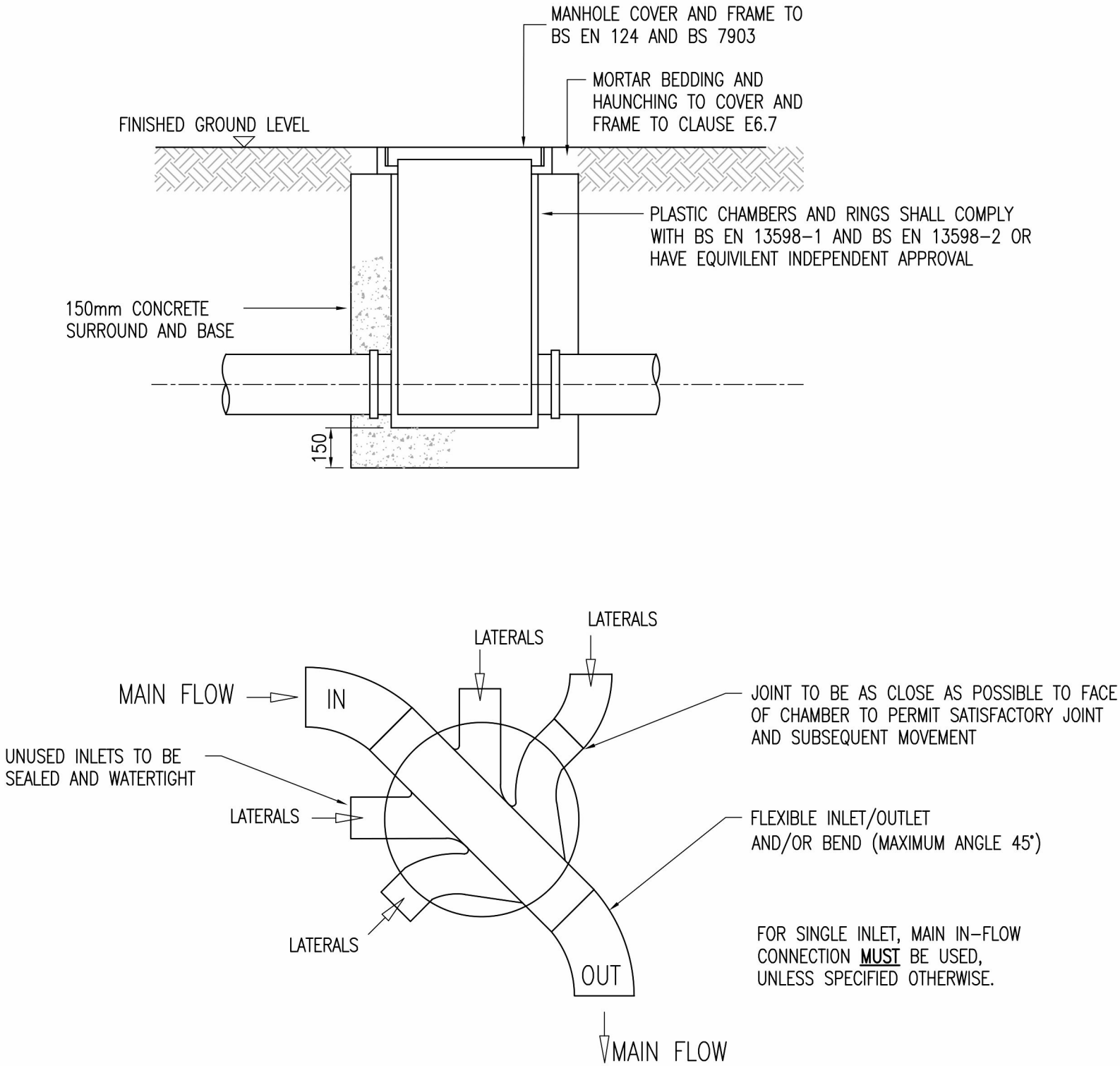


NOTE:

- WHERE CHAMBERS ARE POSITIONED ON 90° CORNERS, ALWAYS USE THE MAIN CHANNEL BY FITTING A 45° BEND ON THE INLET AND OUTLET.
- WHERE A BEND IS USED IMMEDIATELY OUTSIDE THE MANHOLE, THIS MAY BE USED AS THE ROCKER PIPE.
- HALF CHANNEL UPSTAND PROVIDED FOR LATERAL INLETS AT DESIGN STAGE FOR PREFORMED BASES, **CONTRACTOR MUST INFORM ENGINEER IF THIS DIFFERS.**



NOTE:

- IN UNTRAFFICKED AREAS BASE AND SURROUND MAY BE SINGLE SIZED GRANULAR MATERIAL TO MATCH PIPE BEDDING.
- MINIMUM RADIUS TO BE 500mm FOR A 100mm DIAMETER PIPE AND 600mm FOR A 150mm DIAMETER PIPE TO ALLOW ENTRY OF MAINTENANCE EQUIPMENT.
- JOINTS BETWEEN BASE AND SHAFT AND SHAFT COMPONENTS TO BE FITTED WITH WATERTIGHT SEALS.
- CHAMBER DIAMETER DIFFERS DEPENDING ON CONNECTING PIPEWORK:
ø450mm CHAMBER FOR ø100mm PIPEWORK
ø500mm CHAMBER FOR ø150mm PIPEWORK
ø600mm CHAMBER FOR ø225mm PIPEWORK

INSPECTION CHAMBER TYPE 4 (FLEX) - FMH1/2/4
MAX. DEPTH TO SOFFIT OF PIPE 2M NON ENTRY - NTS

GRANULAR MATERIAL

DIA OF DRAIN	AGGREGATE
100	6mm SINGLE SIZE
150	10 OR 14mm SINGLE SIZE OR 14-5mm GRADED *
150-500	10, 14 OR 20mm SINGLE SIZE OR 20-5mm GRADED *
OVER 500	10, 14, 20 OR 40mm SINGLE SIZE OR 40-5mm GRADED *

* NON PREFERRED

NOTE

- NO MECHANICAL COMPACTION WITHIN 300mm OF CROWN OF PIPE.
- DRAINAGE TRENCHES IN ROADS TO HAVE HIGHWAYS AGENCY SPECIFICATION FOR ROADS AND BRIDGE WORKS TYPE 1 GRANULAR MATERIAL.

LOCATION	COVER TO SOFFIT	BEDDING
ROADS.	>1.2m	CLASS 's' GRANULAR BED AND SURROUND.
	<1.2m	CLASS 'z' CONCRETE SURROUND.
NON- ADOPTABLE SEWERS BELOW CAR PARKING.	>0.9m	CLASS 's' GRANULAR BED AND SURROUND.
	<0.9m	CLASS 'z' CONCRETE SURROUND.
HARD AND SOFT LANDSCAPING.	>0.6m	CLASS 's' GRANULAR BED AND SURROUND.
	<0.6m	CLASS 'z' CONCRETE SURROUND.

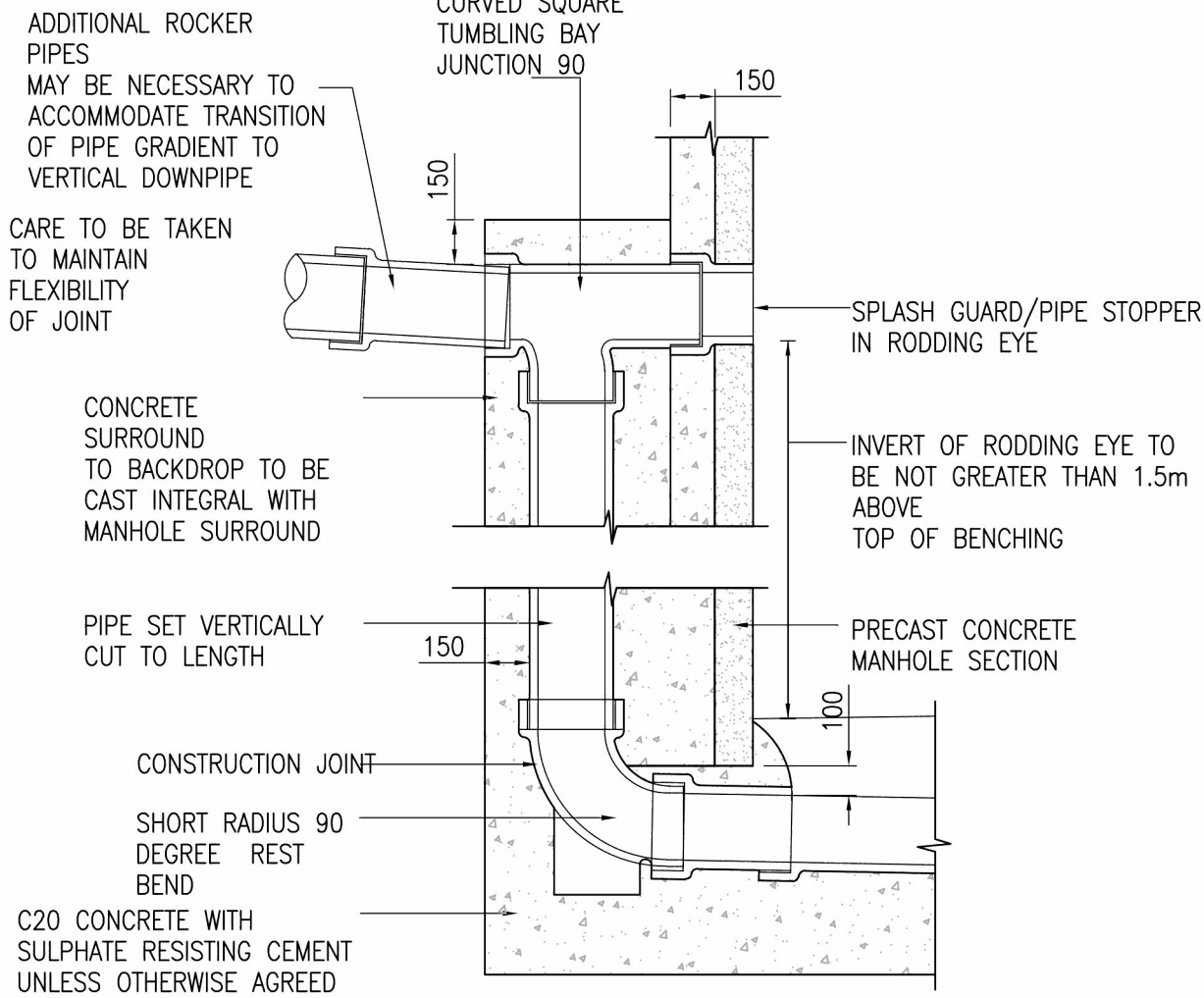
TRENCH WIDTHS

DIA OF DRAIN	WIDTH
100	550
150	600
225	700
300	750
375	1050
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
975	2000
1050	2300
1200	2300
OVER 1200	DIA + 1000

NOTE

PROTECTION FROM SETTLEMENT
TAKEN FROM BUILDING REGULATIONS PART H

- WHERE THE TRENCH IS WITHIN 1m OF THE FOUNDATION THE TRENCH IS FILLED WITH CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATION; OR
- WHERE THE TRENCH IS FURTHER THAN 1m FROM THE BUILDING, THE TRENCH IS FILLED WITH CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE BUILDING EQUAL TO THE DISTANCE FROM THE BUILDING, LESS 150mm.



TYPICAL VERTICAL BACKDROP DETAIL - FMH3 - NTS

DRAINAGE NOTES

- DRAINAGE DESIGN AND CONSTRUCTION IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND THE REQUIREMENTS OF THE STATUTORY UNDERTAKER.
- 100mm PIPE MATERIAL TO BE DHM PLASTICS LIMITED KITE MARK 56356, BS EN 1329-1 OR SIMILAR APPROVED. REFER TO CERTIFICATE.
- THERMOPLASTIC PIPE, JOINTS AND FITTINGS FOR GRAVITY SEWERS MUST COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1401-1, BS EN 1852 AND BS EN 12666-1. BS EN 1295-1 GIVES GUIDANCE ON THE STRUCTURAL DESIGN OF UNDERGROUND NON-PRESSURE PVC-U PIPES.

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project: Land at 37 Derwen Rd status: Reserved Matters

title: Foul Drainage Standard Details date: Aug 2026

dwg no: 797 - P51 scale: NTS

Revision: