

* NON PREFERRED

<u>NOTE</u> 1. NO MECHANICAL COMPACTION WITHIN 300mm OF CROWN OF PIPE. 2. DRAINAGE TRENCHES IN ROADS TO HAVE HIGHWAYS AGENCY SPECIFICATION FOR ROADS AND BRIDGE WORKS TYPE 1 GRANULAR MATERIAL.
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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 PIPE BEDDING AND TRENCH DETAILS

NOTE: NO MECHANICAL COMPACTION WITHIN 300mm OF CROWN PIPE.

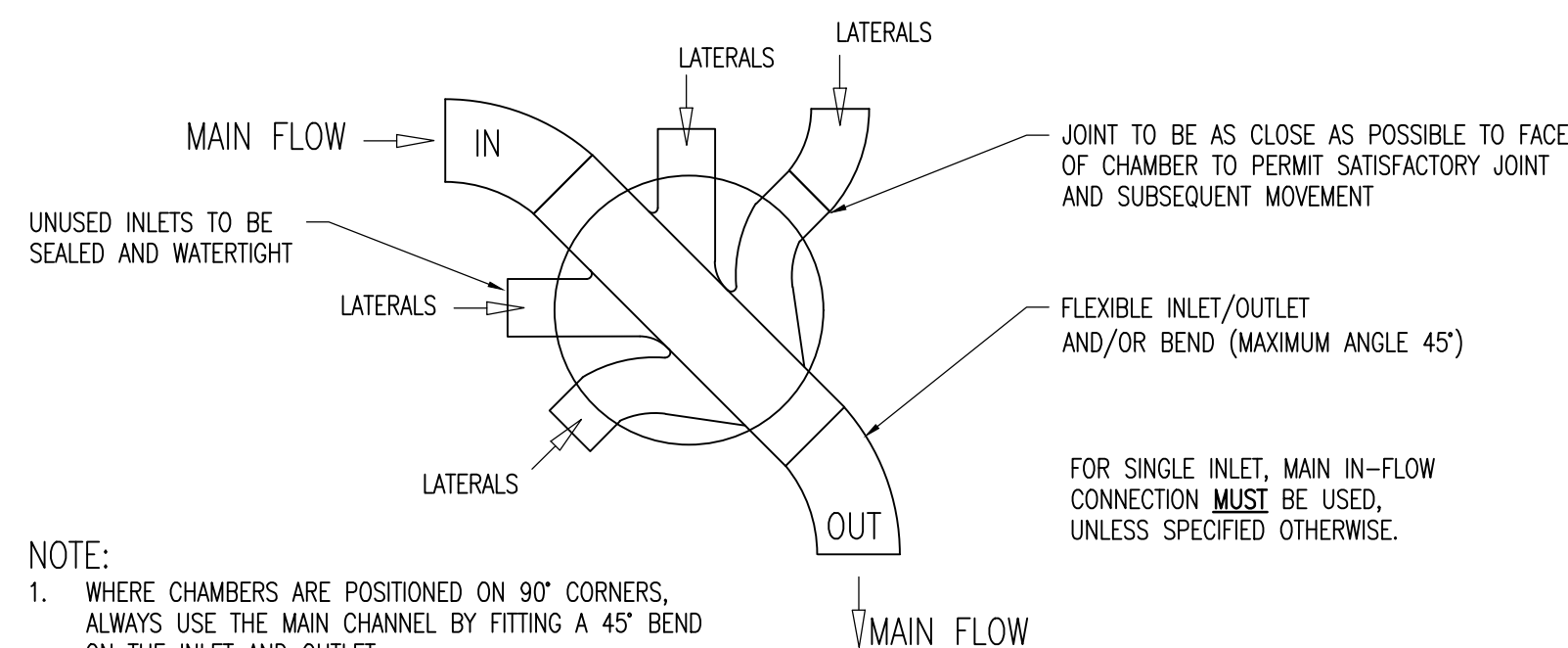
PLASTIC GRAVITY SEWER PIPE SPECIFICATION

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.

STRUCTURED WALL PIPES AS FOLLOWS:

- OSMA ULTRARIB SYSTEM BY WAVIN PLASTICS LIMITED IN STIFFNESS CLASS SN8 BETWEEN 150mm AND 300mm DIAMETER.
- MARLEY TWINWALL SYSTEM BY MARLEY PLUMBING AND DRAINAGE IN STIFFNESS CLASS SN8 BETWEEN 150mm AND 300mm DIAMETER.
- UPONOR ULTRARIB SYSTEM BY UPONOR LIMITED IN STIFFNESS CLASS SN8 BETWEEN 150mm AND 300mm DIAMETER.
- POLYSEWER TWINWALL SYSTEM BY POLYPIPE BUILDING PRODUCTS LIMITED IN STIFFNESS CLASS SN8 BETWEEN 150mm AND 300mm DIAMETER.
- RIDGISEWER TWINWALL SYSTEM BY POLYPIPE CIVILS LIMITED IN STIFFNESS CLASS SN4 AND 8 BETWEEN 400mm AND 600mm DIAMETER AND IN STIFFNESS CLASS SN4 BETWEEN 750mm AND 900mm DIAMETER.

MAXIMUM ALLOWABLE PIPE LENGTH IS 3.0m

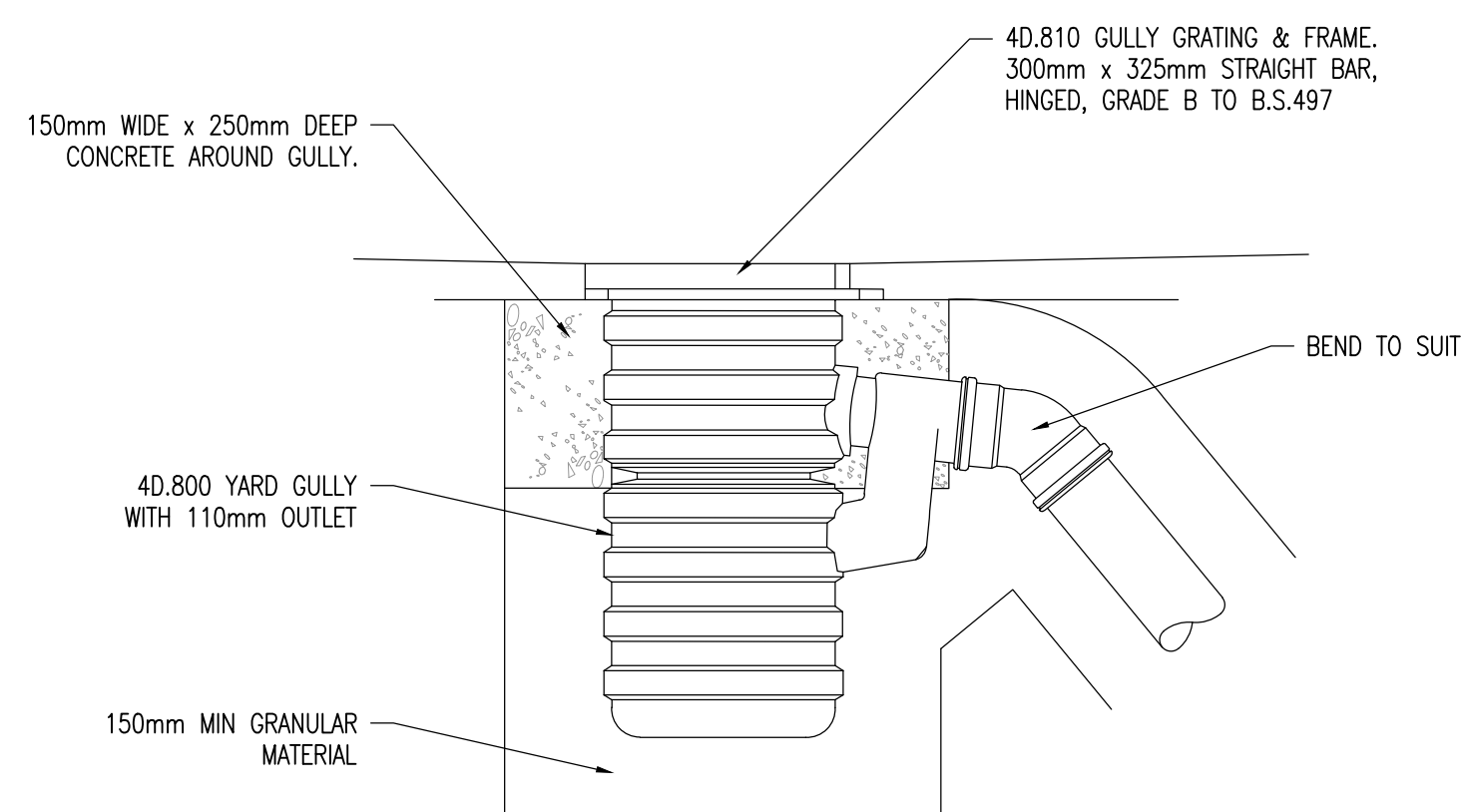


NOTE:

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

INSPECTION CHAMBER TYPE 4 (FLEX)
MAX. DEPTH TO SOFFIT OF PIPE 2m NON ENTRY

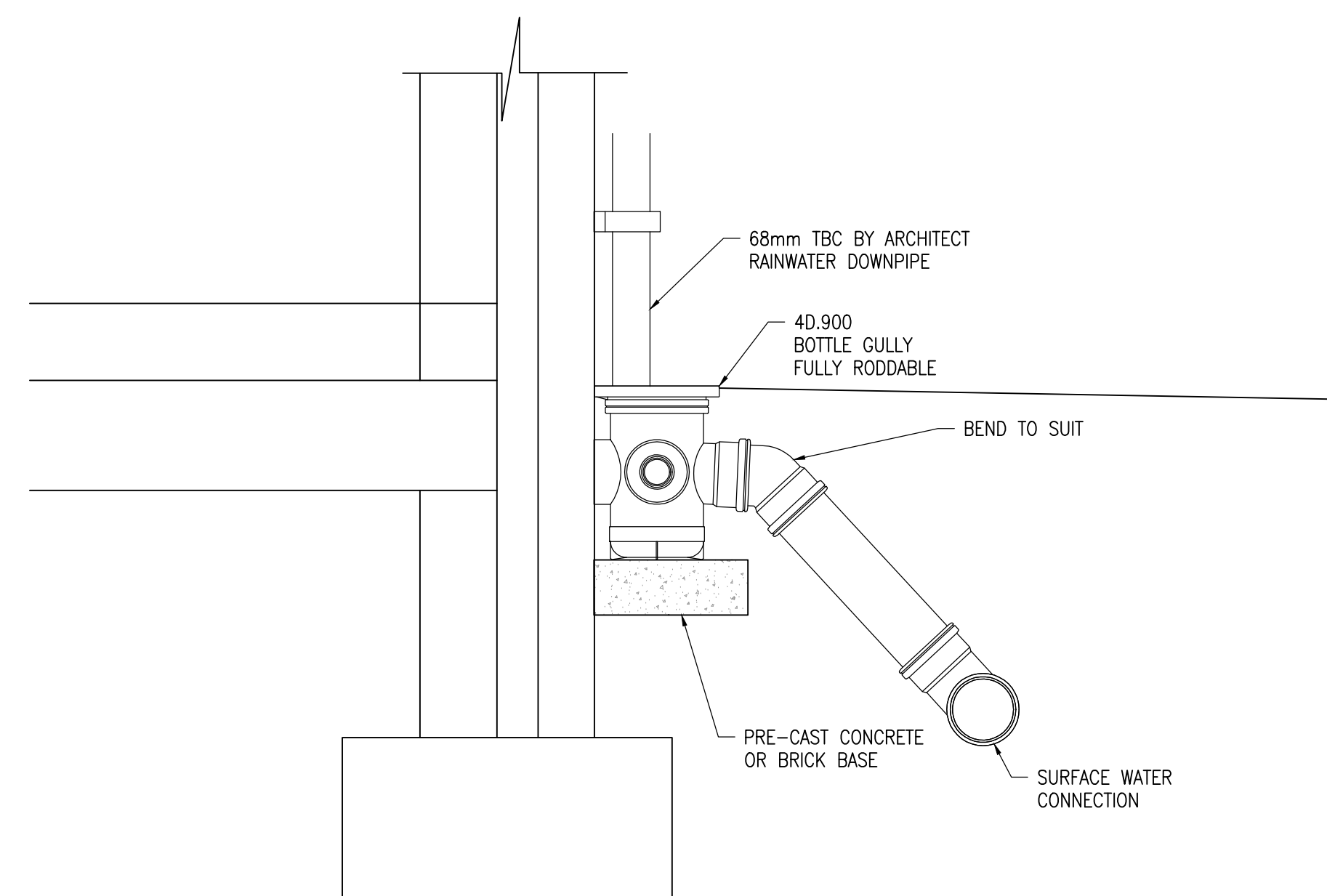
(N.T.S.)



TYPICAL YARD GULLY DETAIL

(OSMA YARD GULLY '4D.800' OR SIMILAR APPROVED)

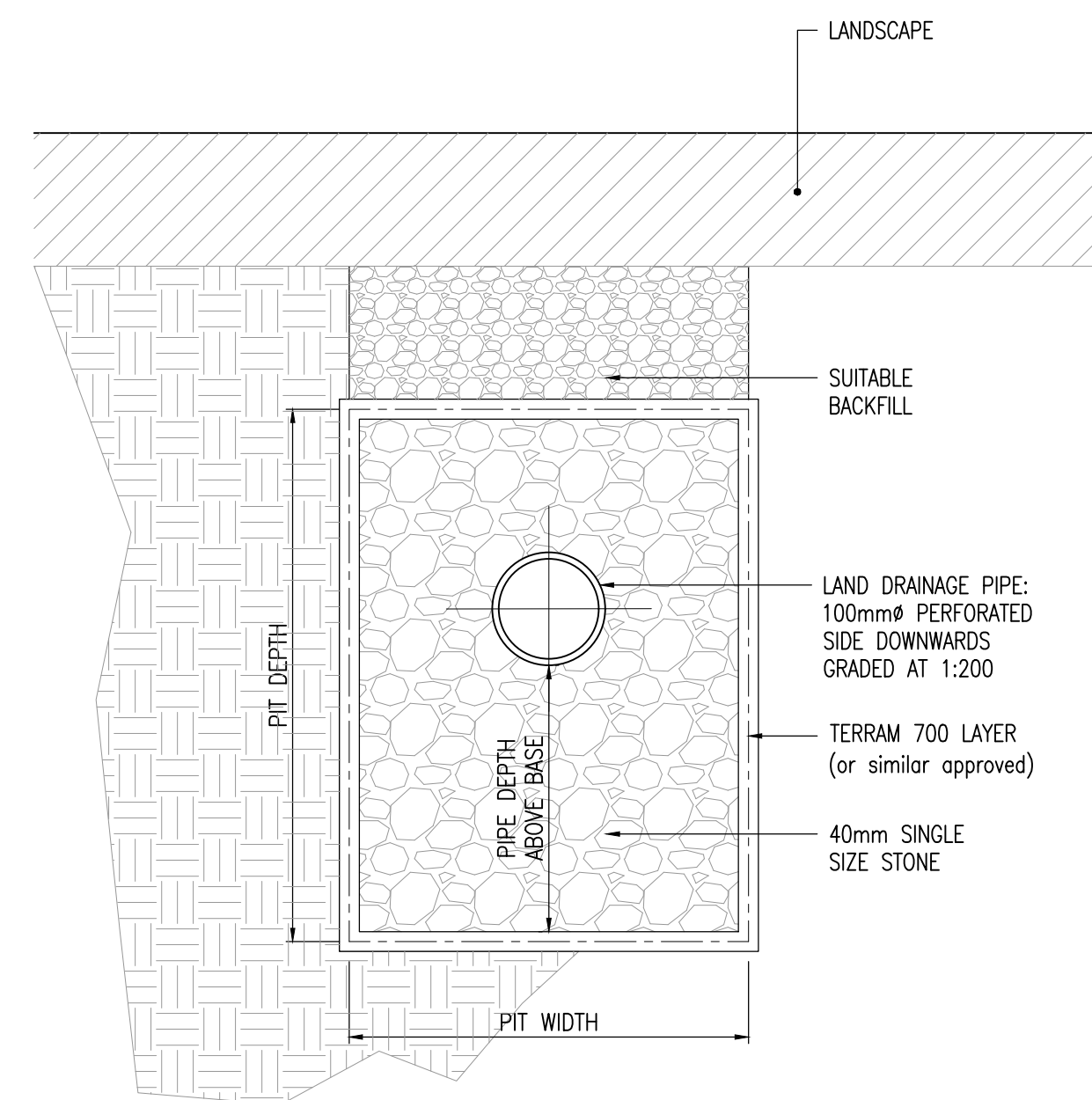
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TYPICAL RWP DETAIL

(OSMA BOTTLE GULLY 'BN 110 S/S' OR SIMILAR APPROVED)

(1:10)



INFILTRATION TRENCH

REFER TO SOAKAWAY TRENCH

SCHEDULE FOR DETAILS

(1:10)

GENERAL NOTES

- GENERAL NOTES
1. DO NOT SCALE THIS DRAWING.
 2. CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.
 3. ANY DISCREPANCY TO BE REPORTED IMMEDIATELY TO THE ENGINEER
 4. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.

4 NO. RESIDENTIAL DEVELOPMENT
AT BARAN ROAD, RHYDAFRO

DRAINAGE STANDARD DETAILS

Mr E. EVANS
PLANNING

DRUG NO.	REV.	DATE
C-002	-	13.06.18
		SCALE
		AS SHOWN