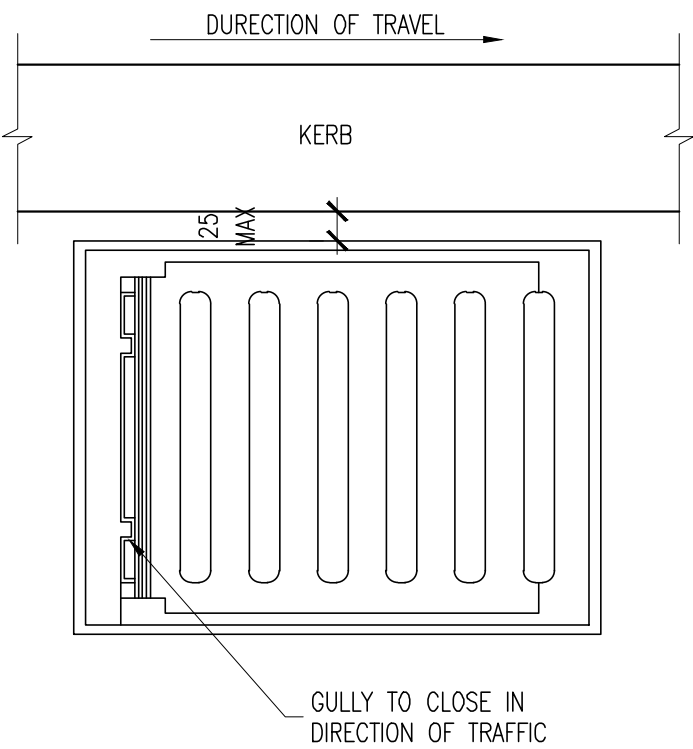
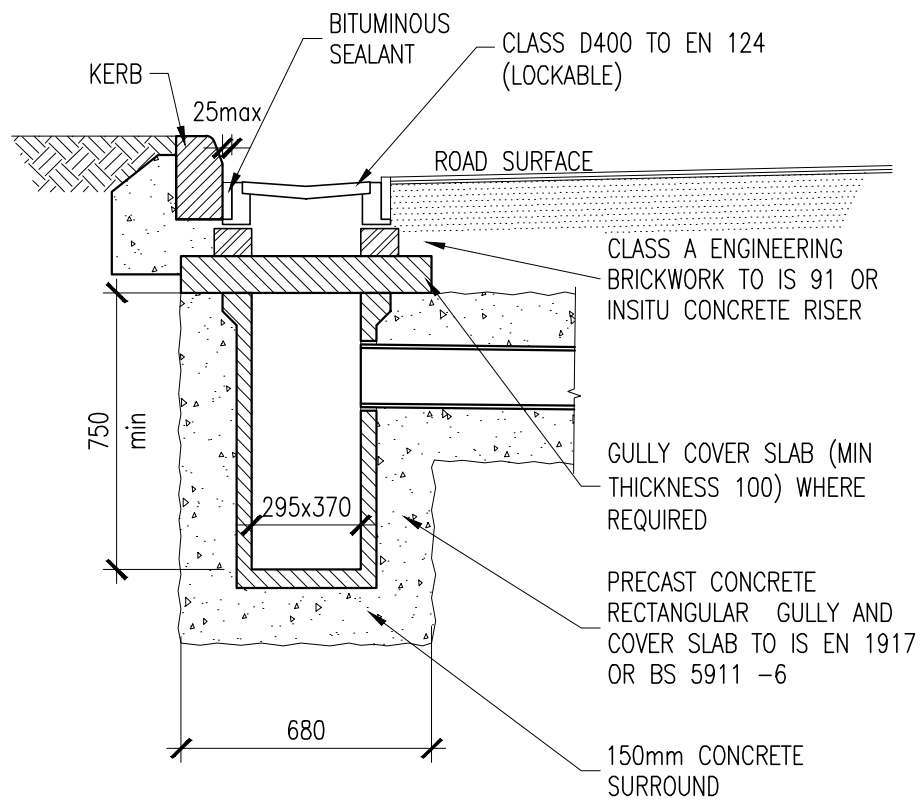
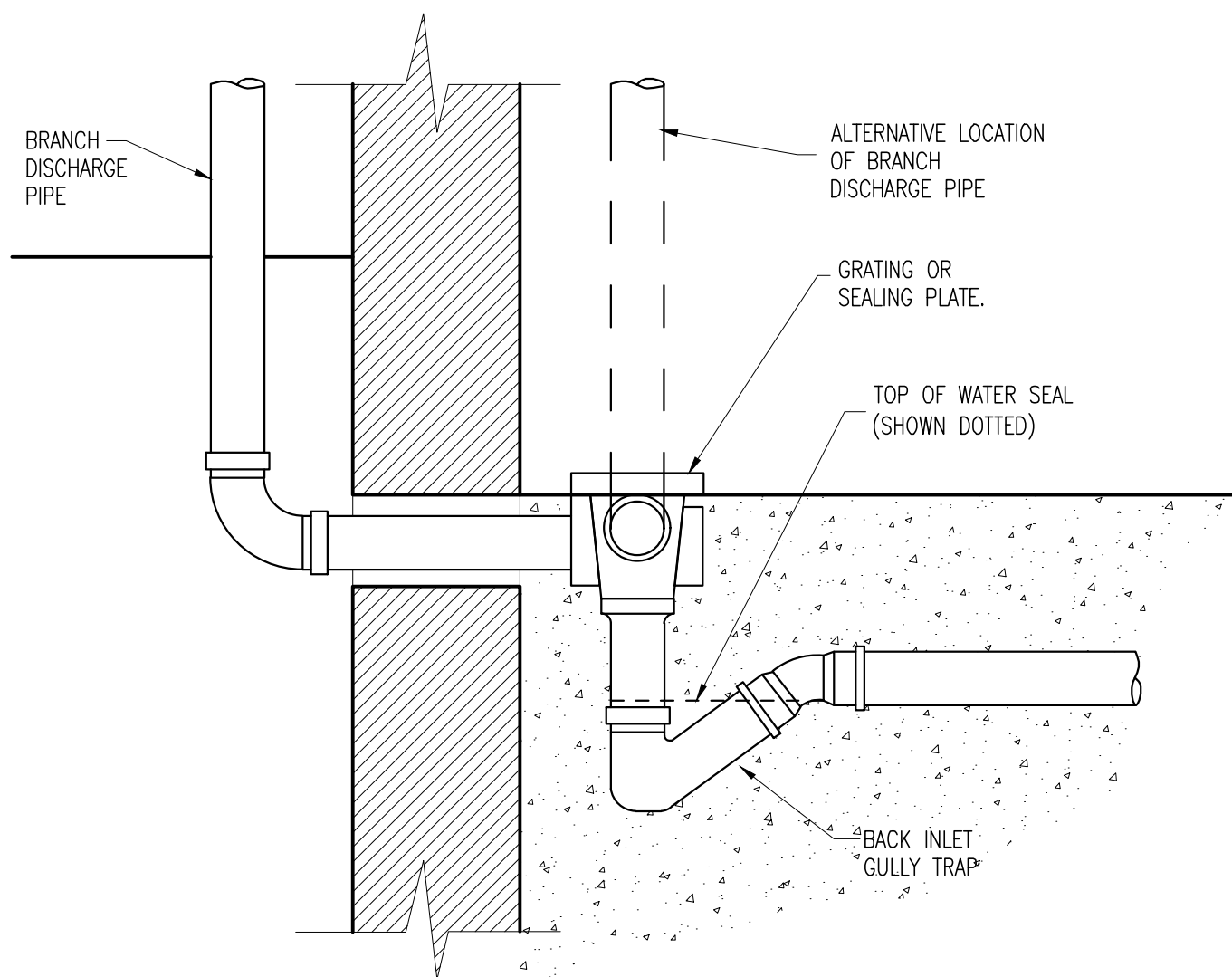


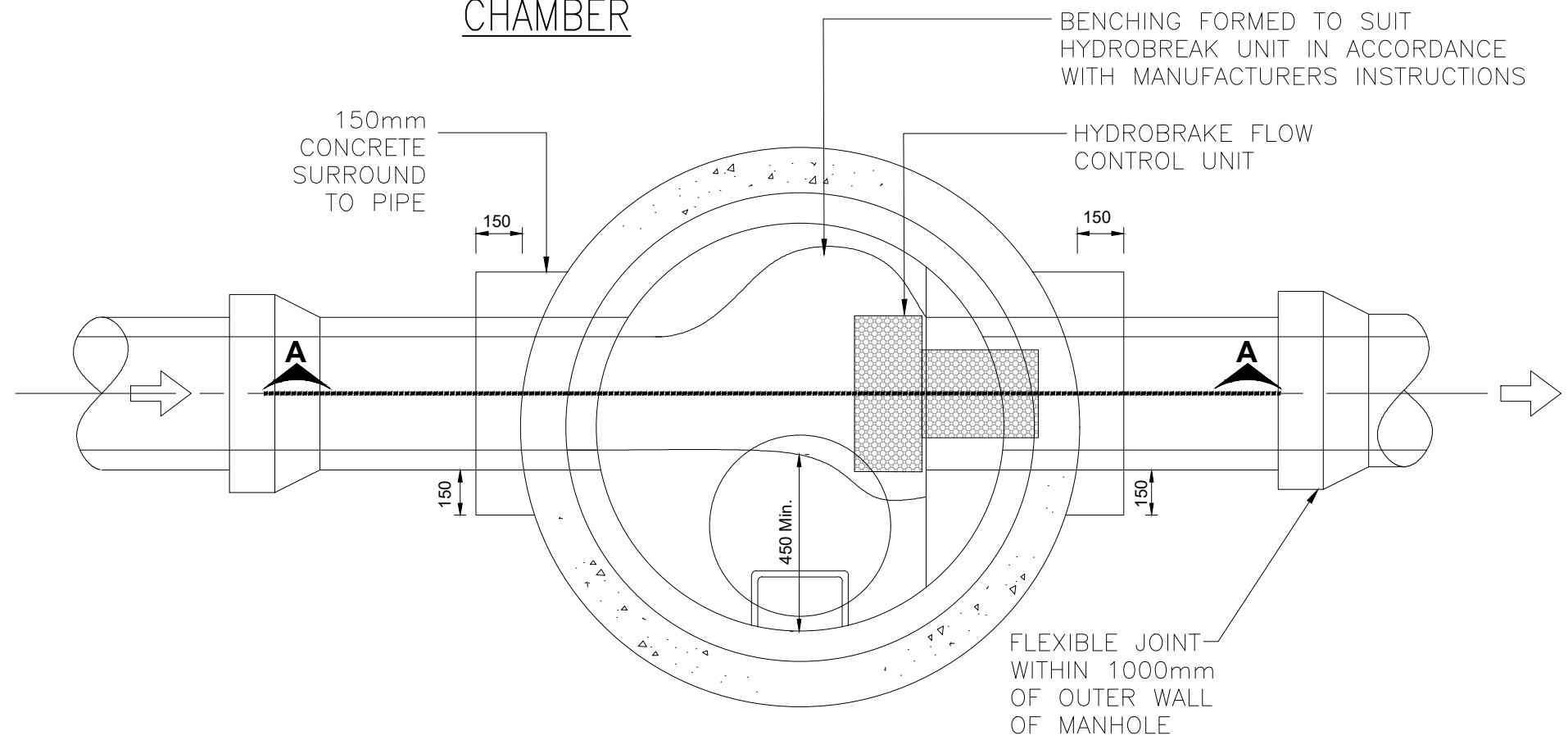
ROAD GULLY DETAILS



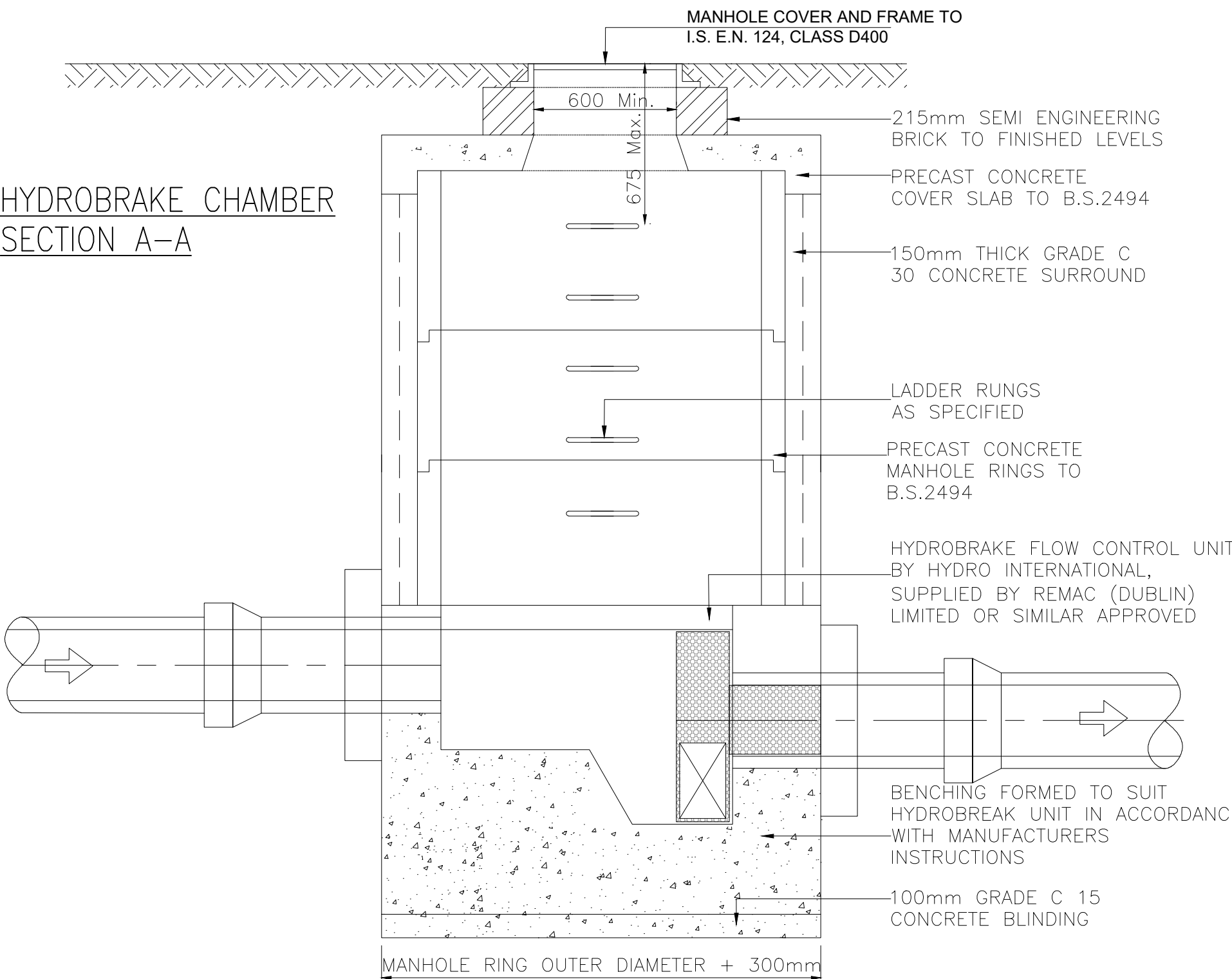
BACK INLET GULLY TRAP



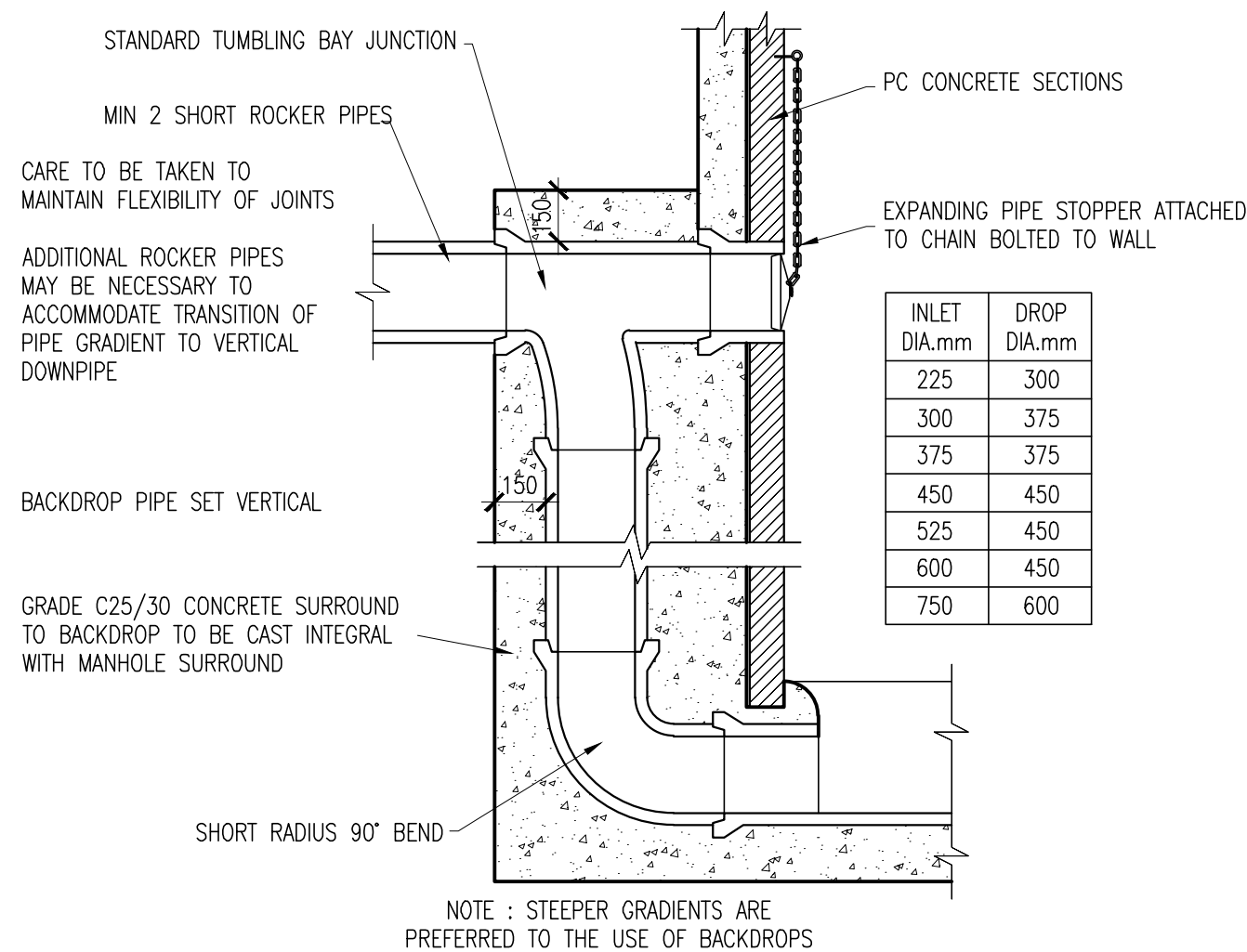
HYDROBRAKE CHAMBER



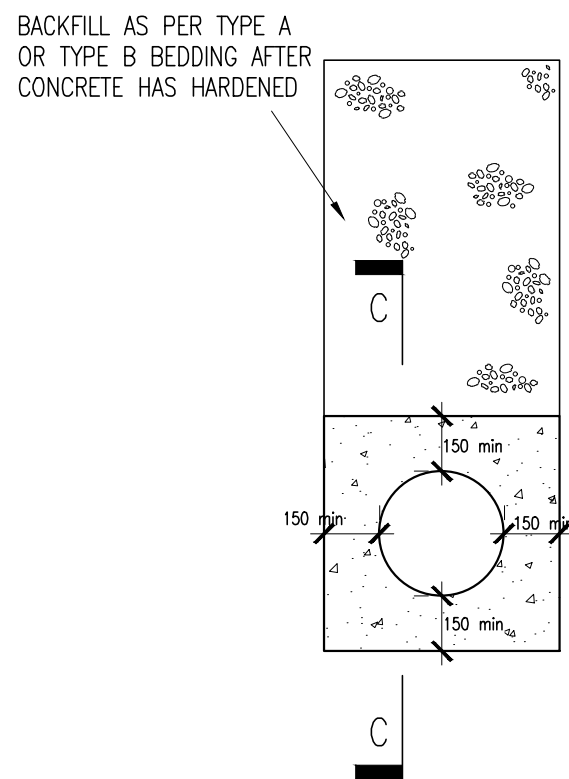
HYDROBRAKE CHAMBER SECTION A-A



TYPICAL VERTICAL BACKDROP DETAIL

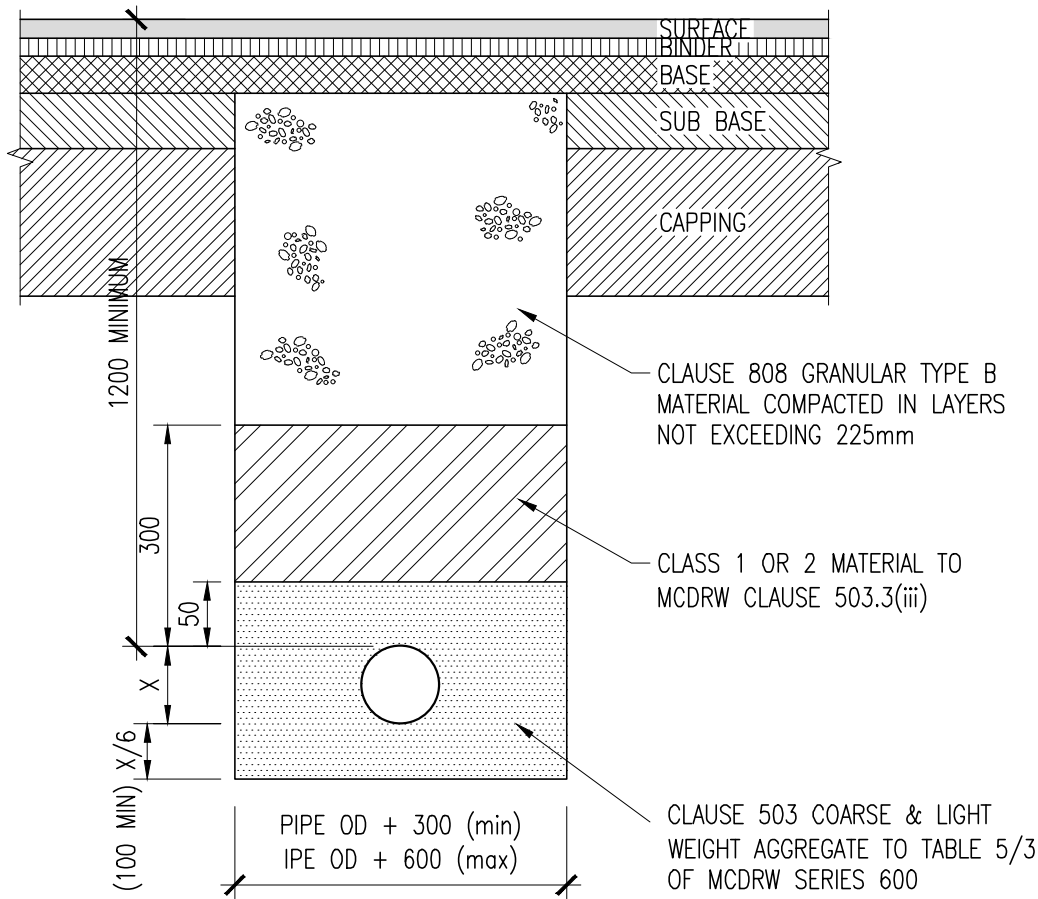
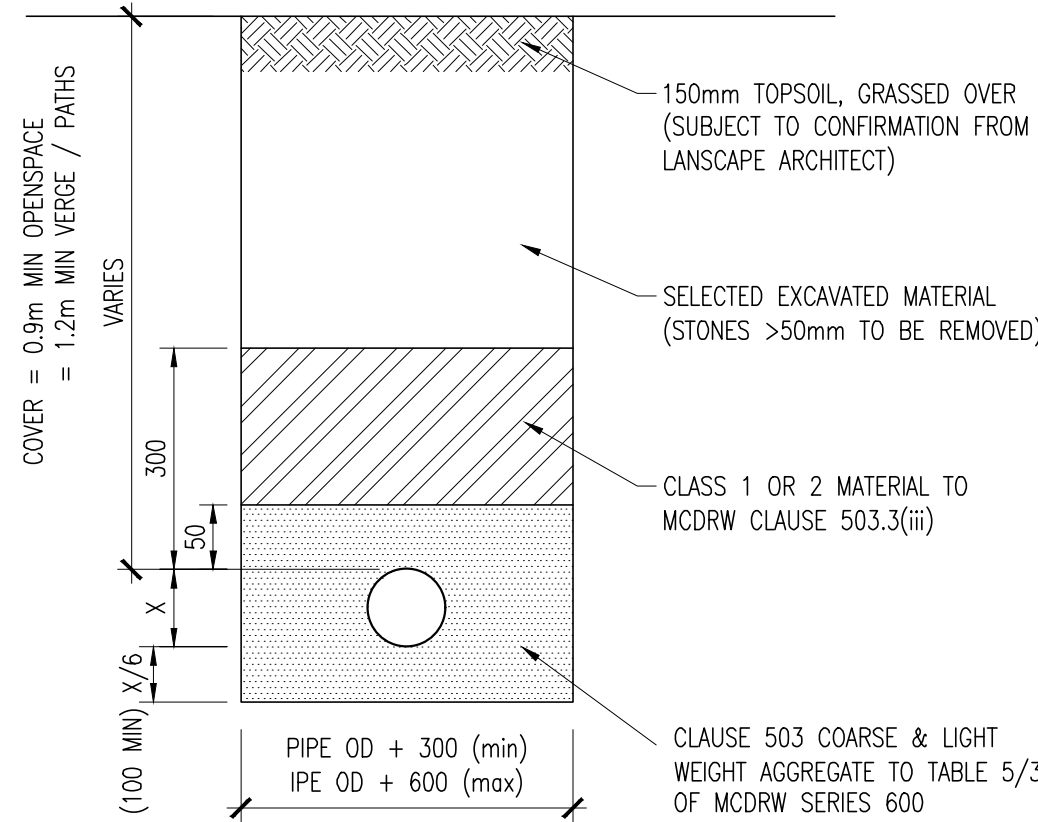


PIPE BEDDING DETAILS



CONCRETE BEDDING TO BE USED WHERE COVER LESS THAN 1.2m

TYPE Z CONCRETE BEDDING/SURROUND (COVER 750mm - 1200mm)



TYPE S (COVER > 1.2 METRES TO CROWN)

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES.
 - DIMENSION X IS THE EXTERNAL DIAMETER OF THE PIPE (ø225 = 301mm, ø450 = 588mm & WIDER AT SOCKETS).
 - THE MINIMUM AND MAXIMUM WIDTH OF THE TRENCH APPLIES ON AND BELOW A LINE 300mm ABOVE THE OUTSIDE TOP OF THE PIPE. ABOVE THE 300mm LINE THE TRENCH BACKFILL MATERIAL SHALL BE AS PER TYPICAL TRENCH DETAILS.
 - BEDDING TO BE COMPACTED IN ACCORDANCE WITH SPECIFICATION & MANUFACTURERS RECOMMENDATIONS

NOTES:
DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES.
VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO BDB CONSULTING LTD.
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ARCHITECTS DRAWINGS.
THIS DRAWING IS COPYRIGHTED AND MAY ONLY BE REPRODUCED WITH BDB CONSULTING LTD. PERMISSION.

- NOTES:
- ALL REINFORCED CONCRETE ON THIS DRAWING SHALL BE U.N.O.: 35N20 COVER = 50mm MIN.
 - SURFACE FINISHES FOR CONCRETE:
 - CLASS F1 FOR ALL CONCRETE 100mm OR MORE BELOW GROUND LEVEL.
 - CLASS F3 FOR ALL EXPOSED CONCRETE ABOVE 100mm BELOW GROUND LEVEL.
 - ALL EXPOSED CORNERS ON CONCRETE SHALL BE CHAMFERED WITH 25mm x 25mm CHAMFERS.
 - ALL STRUCTURAL CONCRETE (HEADWALLS, RC MANHOLES, PETROL INTERCEPTOR SLABS) TO RECEIVE MC DUR 1680 (OR SIMILAR APPROVED TAR MODIFIED EPOXY RESIN) TO ALL BURIED SURFACES, TO FINISH 100mm BELOW GROUND LEVEL.
 - ALL SEWERS SHALL BE PRESSURE TESTED PRIOR TO BACKFILLING.
 - TYPE 1 GRANULAR MATERIAL : BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE RETAINED ON 5mm SIEVE.
 - TYPE 2 GRANULAR MATERIAL :BROKEN STONE OR GRAVEL TO PASS 10mm - 25mm SIEVE, ACCORDING TO PIPE SIZE, (SEE TABLE) AND BE RETAINED ON 5mm SIEVE.
 - TYPE 3 SELECTED FILL : UNIFORM READILY COMPACTED MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDING DEBRIS, AND FROZEN SOIL AND EXCLUDING CLAY LUMPS RETAINED ON A 75mm SIEVE AND STONES RETAINED ON A 37.5mm SIEVE.
 - RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE, ASBESTOS CEMENT OR CLAY.

TYPE 2 GRANULAR MATERIAL :	
PIPE SIZE	100% PASSING
UP TO 225mm	10mm SIEVE
225 TO 450mm	20mm SIEVE
ABOVE 450mm	25mm SIEVE

- WHERE ROCKS OR OTHER HARD TRENCH BOTTOM IS ENCOUNTERED. THE FIGURE DENOTED BY * IS TO BE DOUBLED.
- CLAUSE 601 S.R.W. BACKFILL : UNIFORM READILY COMPACTED MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDING DEBRIS, AND FROZEN SOIL AND EXCLUDING CLAY LUMPS RETAINED ON A 75mm SIEVE AND STONES RETAINED ON A 37.5mm SIEVE.
- RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE OR CLAY.
- GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF I.S./E.N./124 1994. GULLIES SHALL BE CLASS D400.
- GULLY WALLS SHALL BE CONSTRUCTED IN CLASS 30N/mm2 PRECAST OR INSITU CONCRETE OR ALTERNATIVELY IN SOLID CONCRETE BLOCKS DESIGNATED S10, STRENGTH 10N/mm2
- ALL PIPES TO BE BEDDED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
- SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO IS EN1916 AND IS 6 2004.

REV.	DESCRIPTION	DATE



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Co. Limerick
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PROJECT
Limerick Student Residence

TITLE
Standard Drainage Detail 2 of 2

CLIENT
Ladys Lane PBSA

DRAWN BY MB	CHECKED BY CG	DATE 09/06/2026
SCALE (@A1) NTS	BDB PROJECT NUMBER 26-008	REV P.L.O
DRAWING NUMBER 26008-BDB-XX-XX-DR-CE-0008		