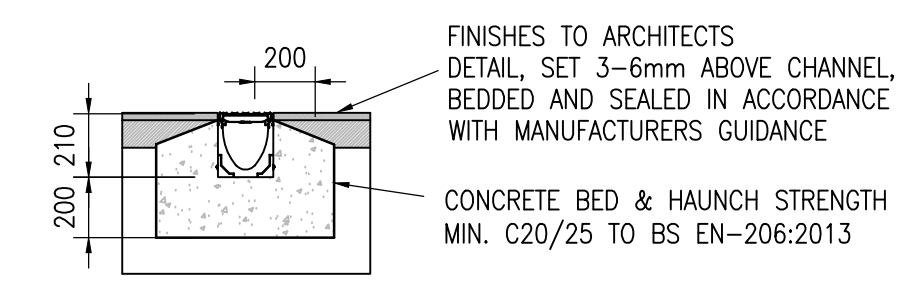
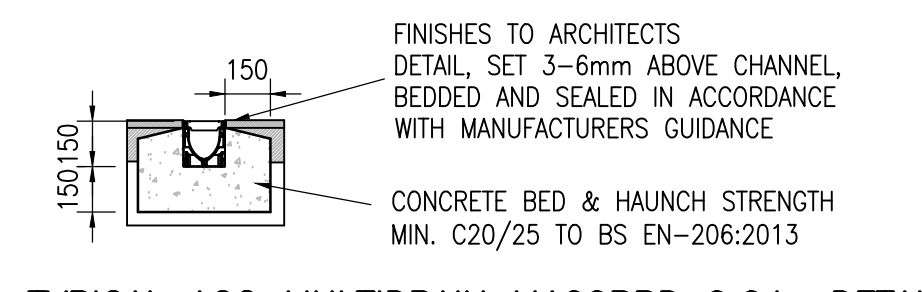


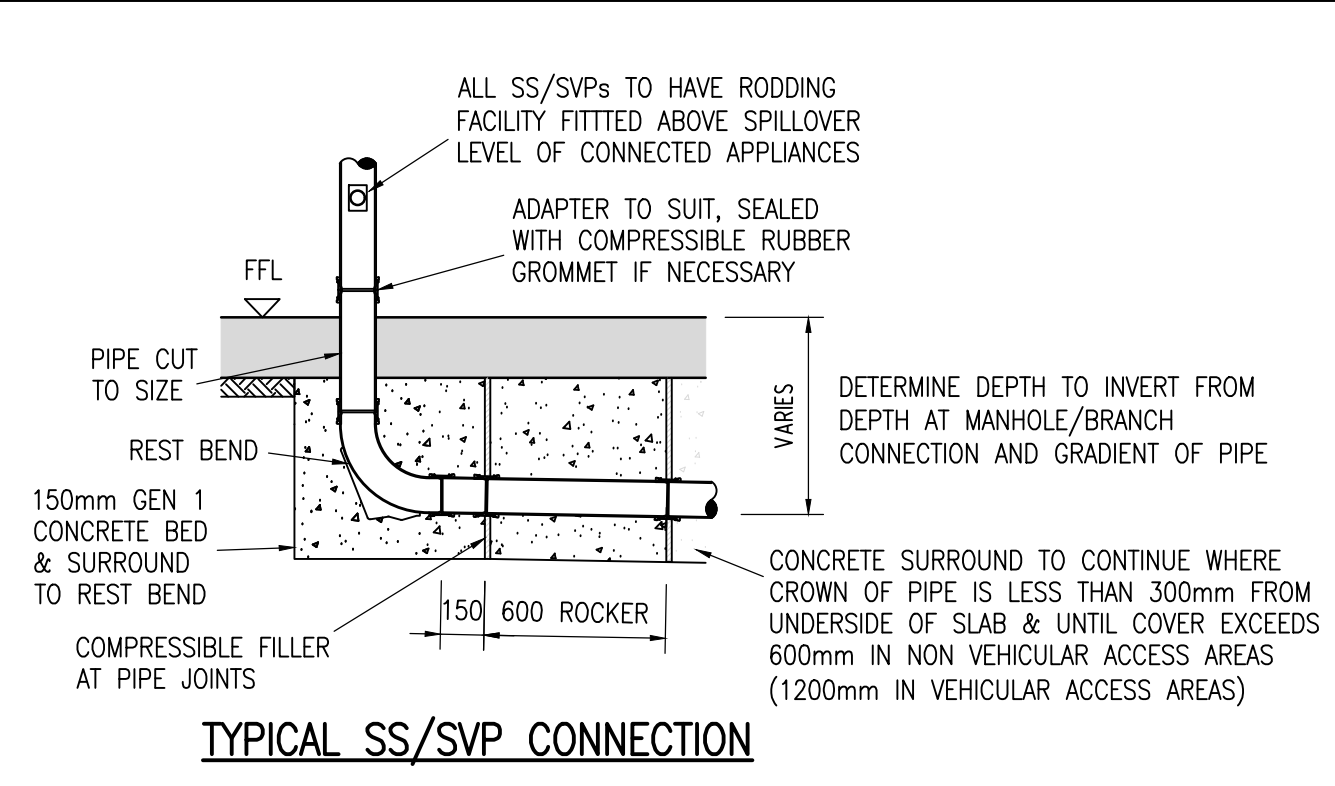
**TYPICAL ACO MULTIDRAIN M150D 0.0J DETAIL WITH GRATING TO LOAD CLASS B125/C250.**



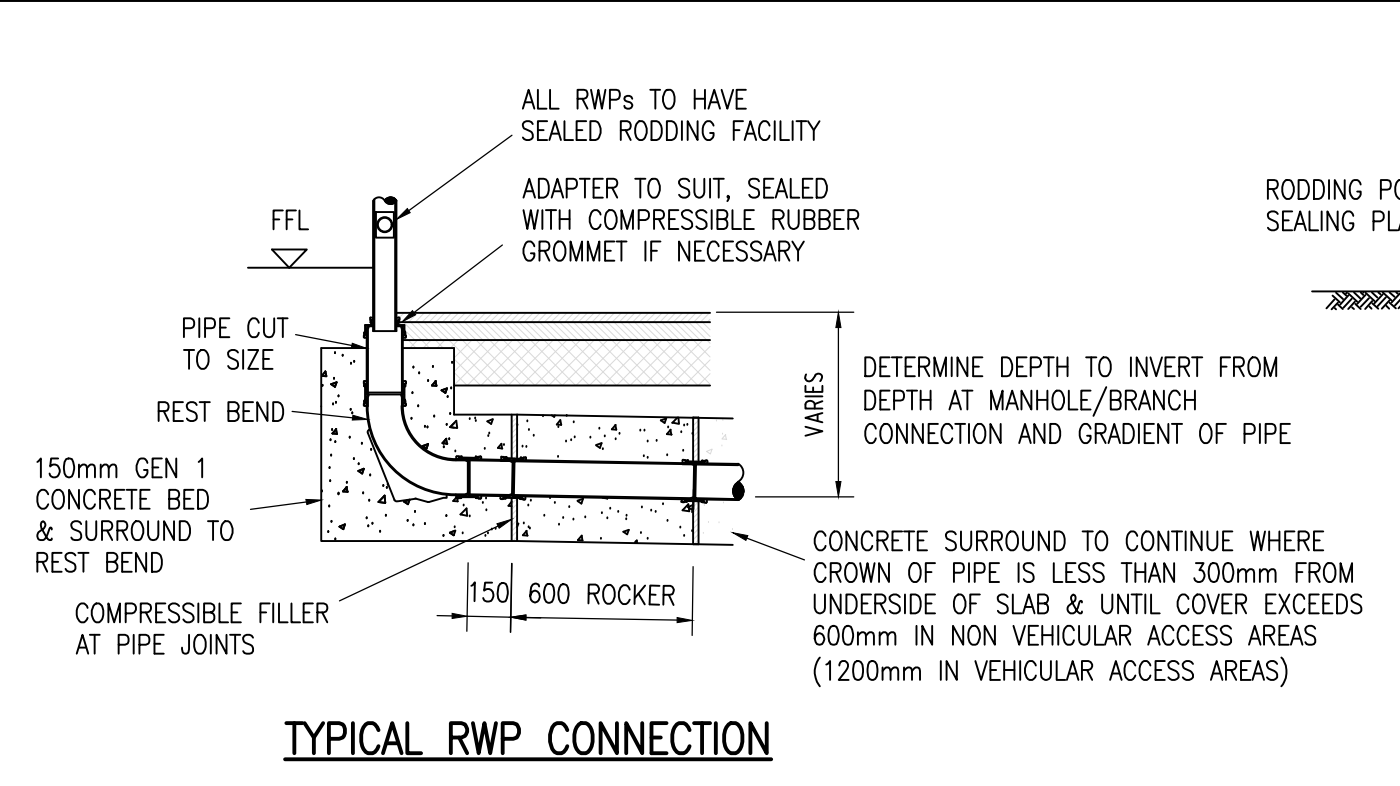
**TYPICAL ACO MULTIDRAIN M150D 0.0J DETAIL WITH GRATING TO LOAD CLASS D400.**



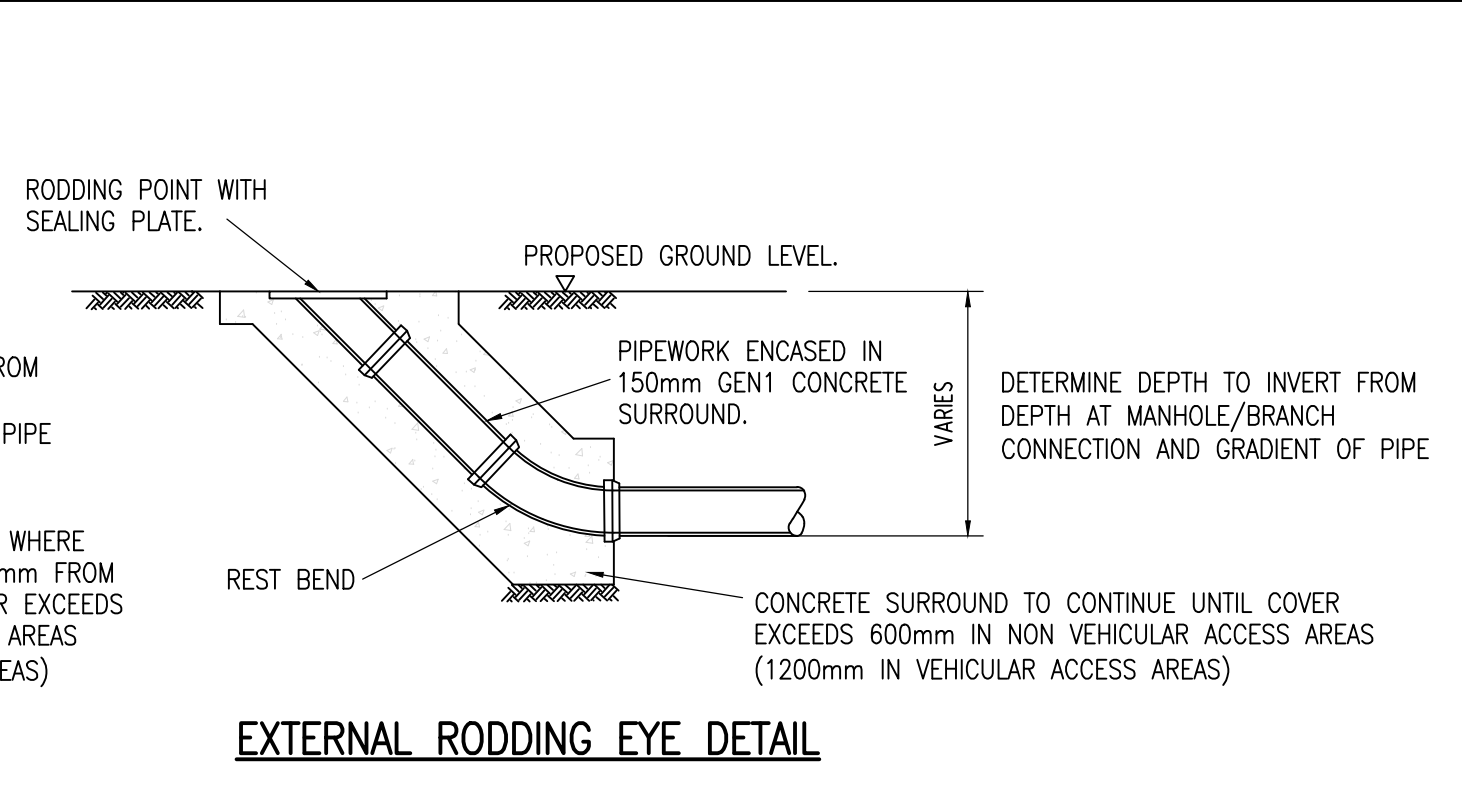
**TYPICAL ACO MULTIDRAIN M100PPD 0.0J DETAIL WITH GRATING TO LOAD CLASS B125/C250.**



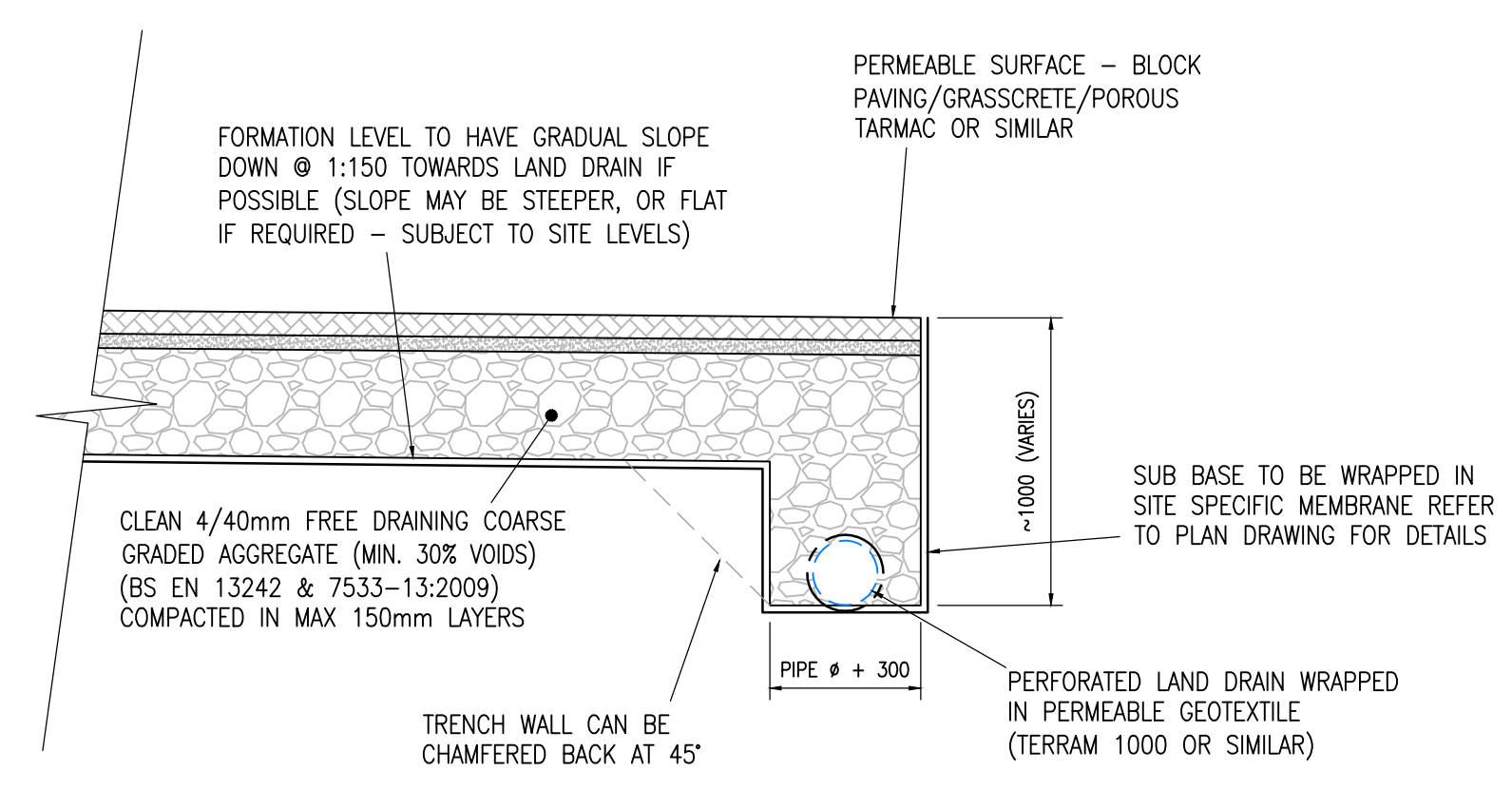
**TYPICAL SS/SVP CONNECTION**



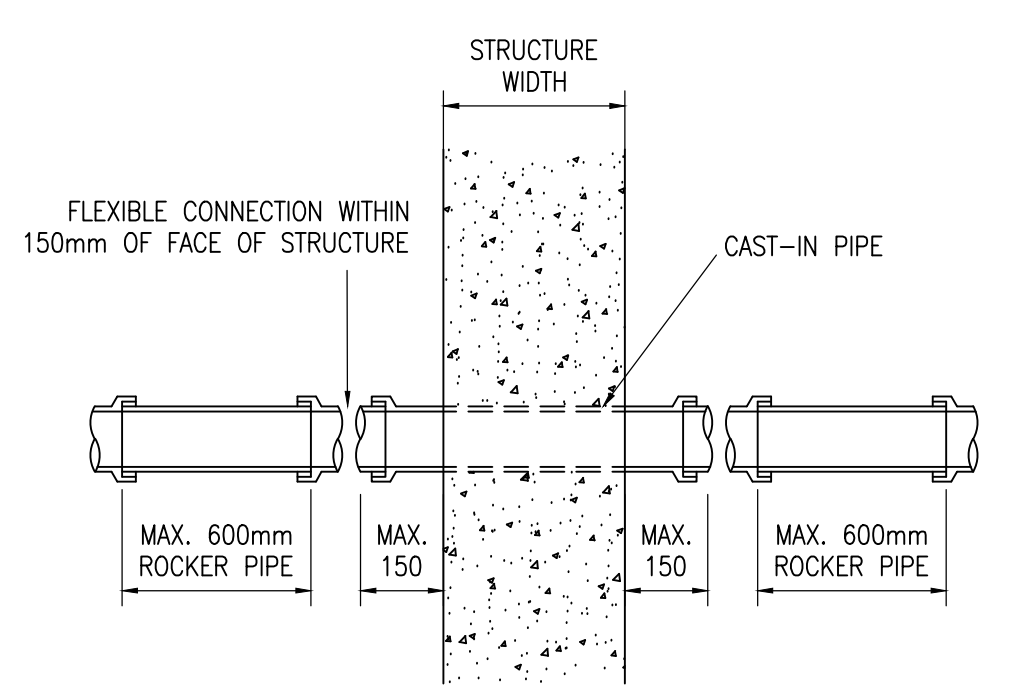
**TYPICAL RWP CONNECTION**



**EXTERNAL RODDING EYE DETAIL**

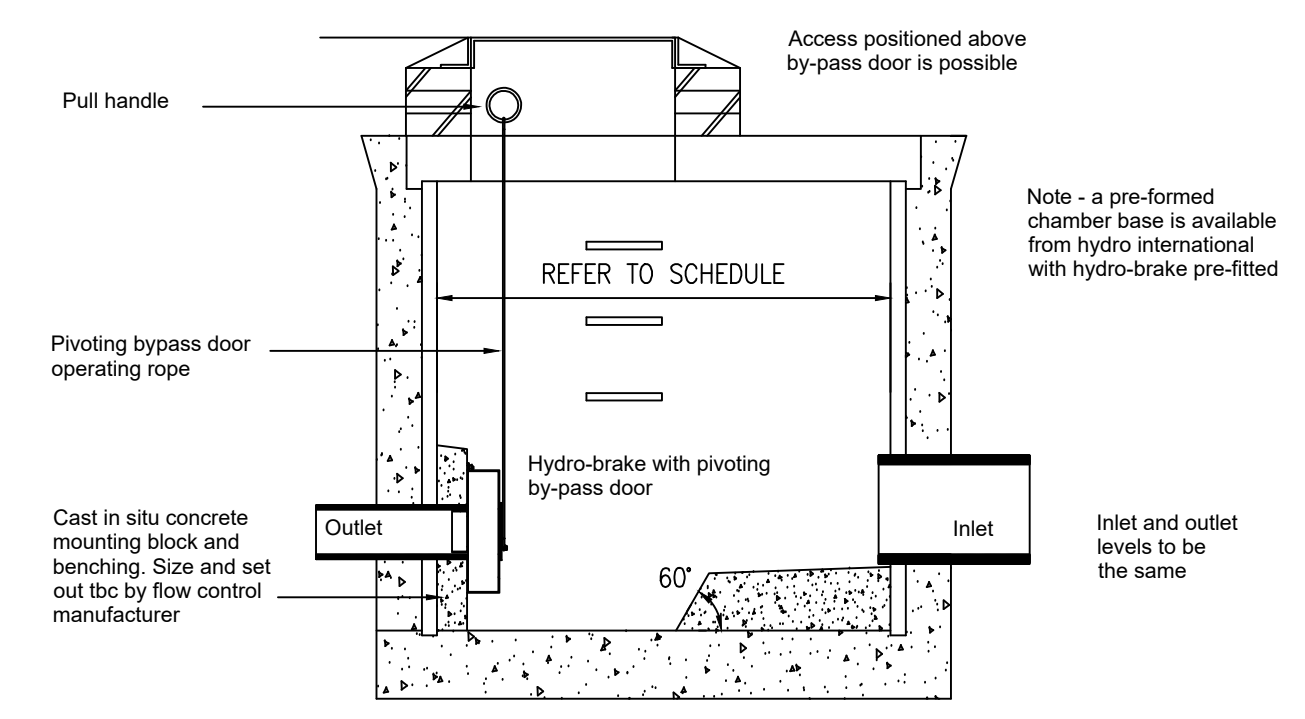


**TYPICAL CAR PARK LAND DRAIN DETAIL**

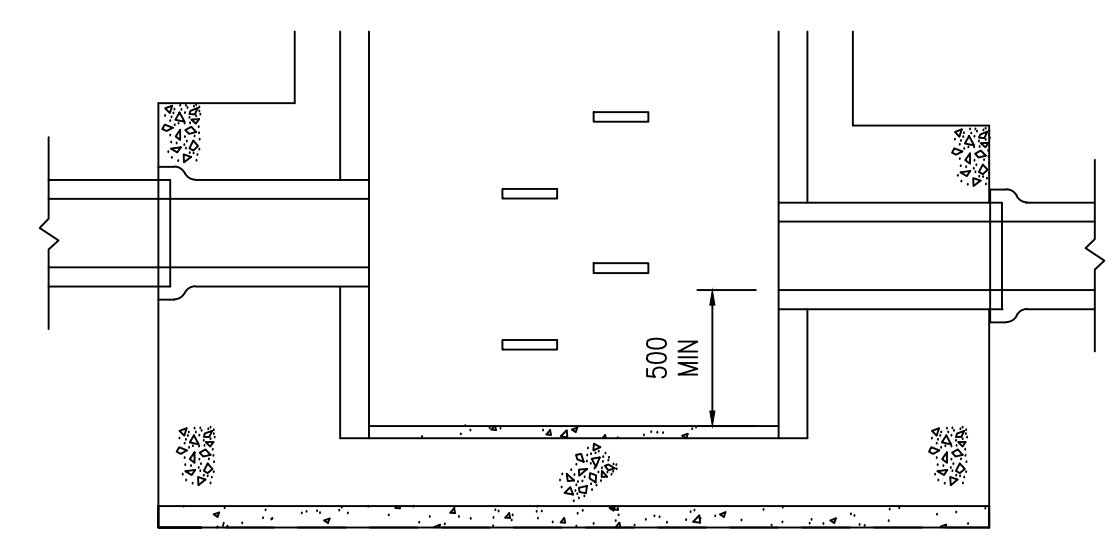


**PLAN SHOWING PIPE PENETRATION THROUGH STRUCTURE (ROCKER OPTION)**

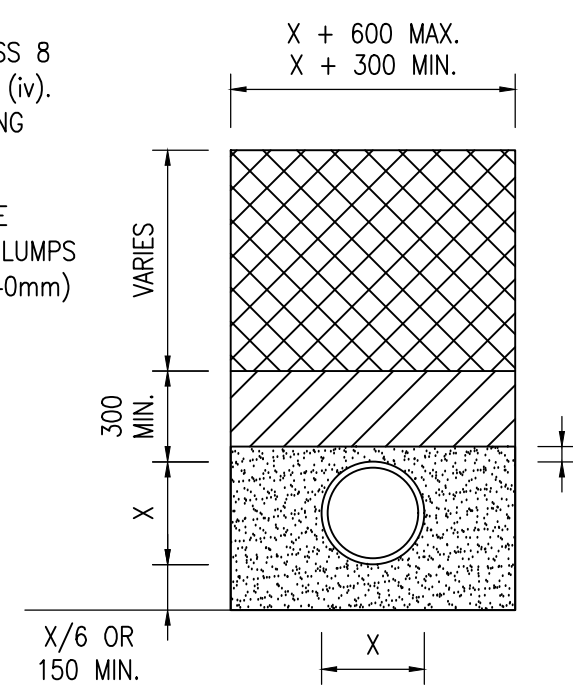
**TYPICAL HYDROBRAKE MANHOLE DETAIL**  
REFER TO HYDRO INTERNATIONAL DRAWINGS FOR SITE SPECIFIC DETAILS



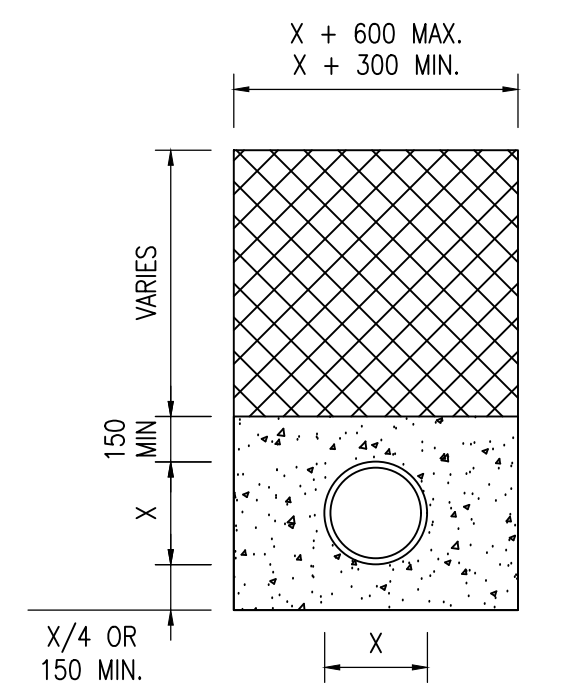
**TYPICAL CATCHPIT MANHOLE DETAIL**



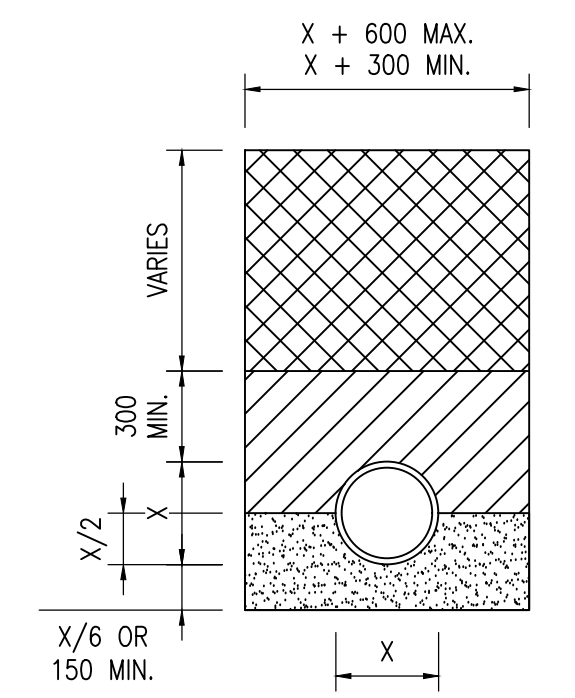
- UNDER SOFT LANDSCAPING - CLASS 8 MATERIAL TO S.H.W CLAUSE 503.3 (iv).
- UNDER HARD LANDSCAPING/BUILDING SLAB - DOT TYPE 1.
- CLASS 8 MATERIAL TO S.H.W CLAUSE 503.3 (iv). (I.E. BACKFILL WITH NO LUMPS OF CLAY OR STONE LARGER THAN 40mm)
- GRANULAR MATERIAL TO S.H.W. CLAUSE 503.3 (i). SEE TABLE 5/3.
- GEN 1 OR ST 2 CONCRETE TO S.H.W. CLAUSE 503.3 (iii).



**CLASS S BEDDING DETAIL (UPVC/FLEXIBLE PIPES)**  
FOR USE WHEN COVER TO SOFFIT OF PIPE IS GREATER THAN 600mm IN NON-TRAFFICKED AREAS AND GREATER THAN 1200mm IN AREAS WITH VEHICULAR ACCESS.



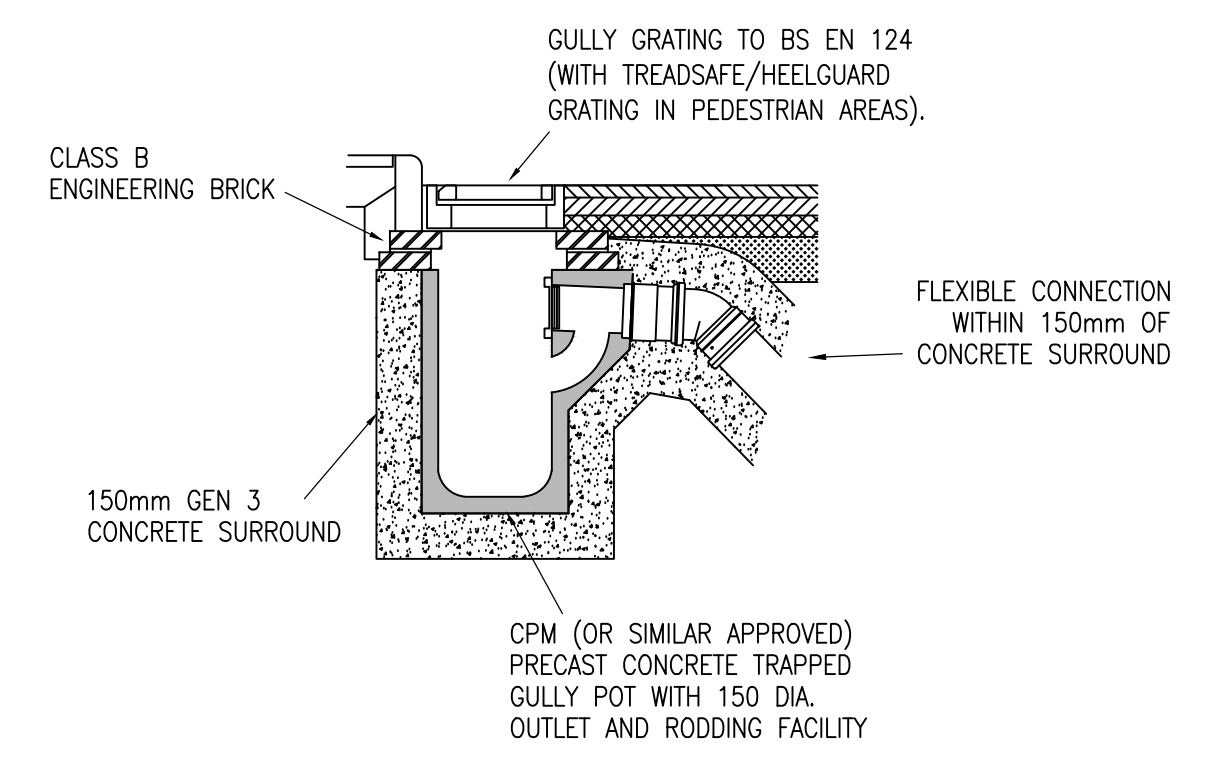
**CLASS Z BEDDING DETAIL (ALL PIPES)**  
FOR USE WHEN COVER TO SOFFIT OF PIPE IS LESS THAN 600mm IN NON-TRAFFICKED AREAS AND LESS THAN 1200mm IN AREAS WITH VEHICULAR ACCESS. MIN. 18mm COMPRESSIBLE BOARD AT ALL PIPE JOINTS



**CLASS B BEDDING DETAIL (CLAY/CONCRETE ONLY)**  
FOR USE WHEN COVER TO SOFFIT OF PIPE IS GREATER THAN 600mm IN NON-TRAFFICKED AREAS AND GREATER THAN 1200mm IN AREAS WITH VEHICULAR ACCESS.

CLASS S/B GRANULAR BEDDING MATERIAL - S.H.W 503 (i) TABLE 5/3 [BS EN 13242] -		
NOMINAL PIPE DIAMETER (mm)	SINGLE SIZED COARSE AGGREGATE (mm)	GRADED COARSE AGGREGATE (mm)
NOT EXCEEDING 140	4/10	-
EXCEEDING 140 BUT NOT EXCEEDING 400	4/10, 6/10 OR 10/20	2/14 OR 4/20
EXCEEDING 400	4/10, 6/14, 10/20 OR 20/40	2/14, 4/20 OR 4/40

CLASS Z COMPRESSIBLE FILLER BOARD DETAILS	
NOMINAL PIPE DIAMETER (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450	18
450 - 1200	36
GREATER THAN 1200	54



**TYPICAL PRECAST CONCRETE ROAD GULLY DETAIL**

P2	26.07.23	ISSUED FOR PLANNING APPROVAL	M.H	C.J.H
P1	23.06.23	ISSUED FOR APPROVAL	M.H	C.J.H
Rev	Date	Comment	By	Check

Status Code	Drawing Status
<b>S3</b>	<b>FOR APPROVAL</b>

This drawing may only be used for construction/manufacture if status is CONSTRUCTION

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Project

**CLEATOR MOOR**  
**ACTIVITY CENTRE**

Drawing Title

**PROPOSED SURFACE WATER**  
**DRAINAGE DETAILS**  
**SHEET 2 OF 2**

FP Job No.	Drawn	Date	Checked	Scale @ A1			
L2763	M.H	JUN '23	C.J.H	N/A			
PROJECT	OPERATOR	ZONE / VOLUME	LEVEL / LOCATION	FILE TYPE	ROLE	SHEET No.	Rev.
L2763	FUR	XX	XX	DR	D	0932	P2