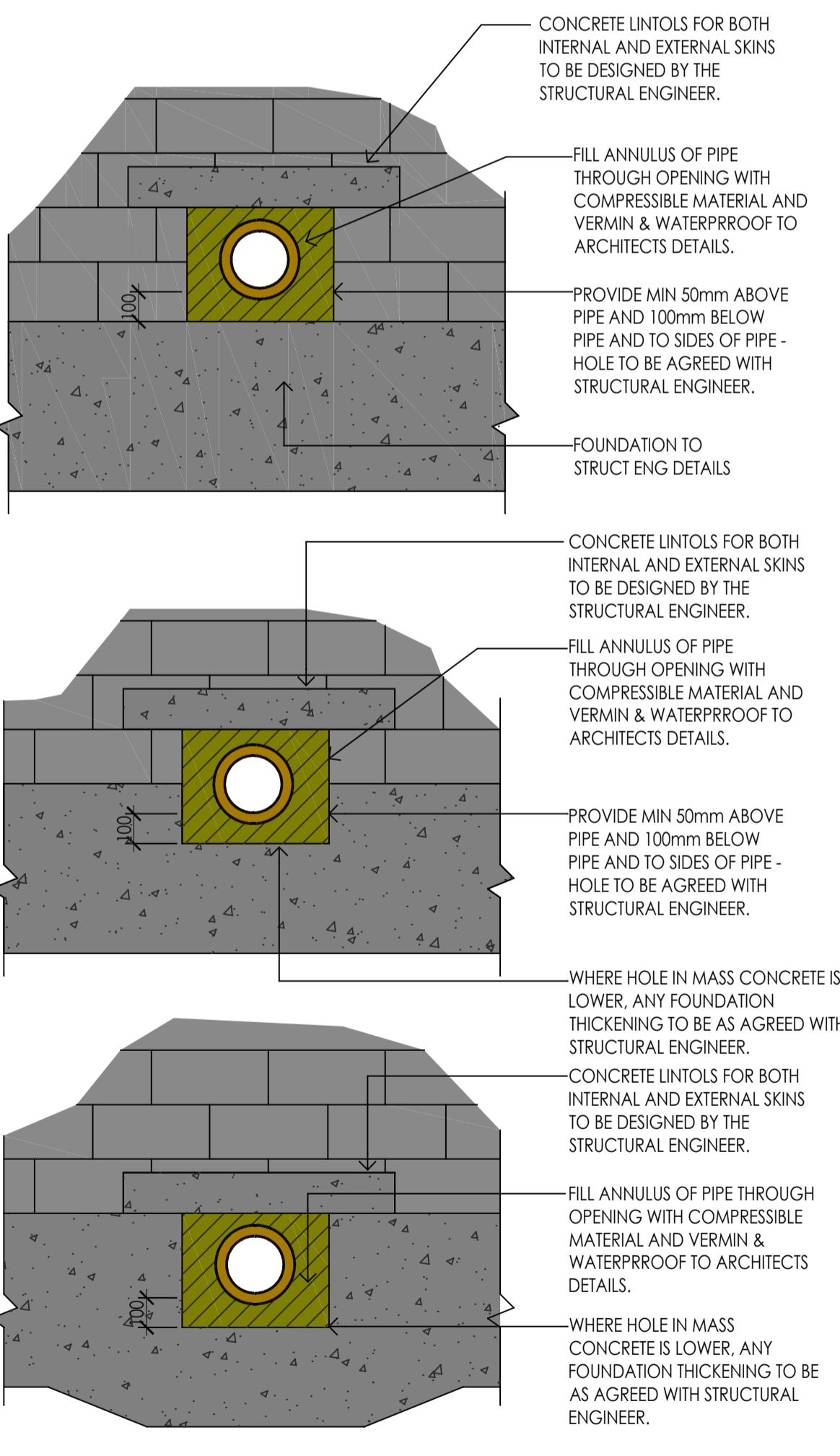
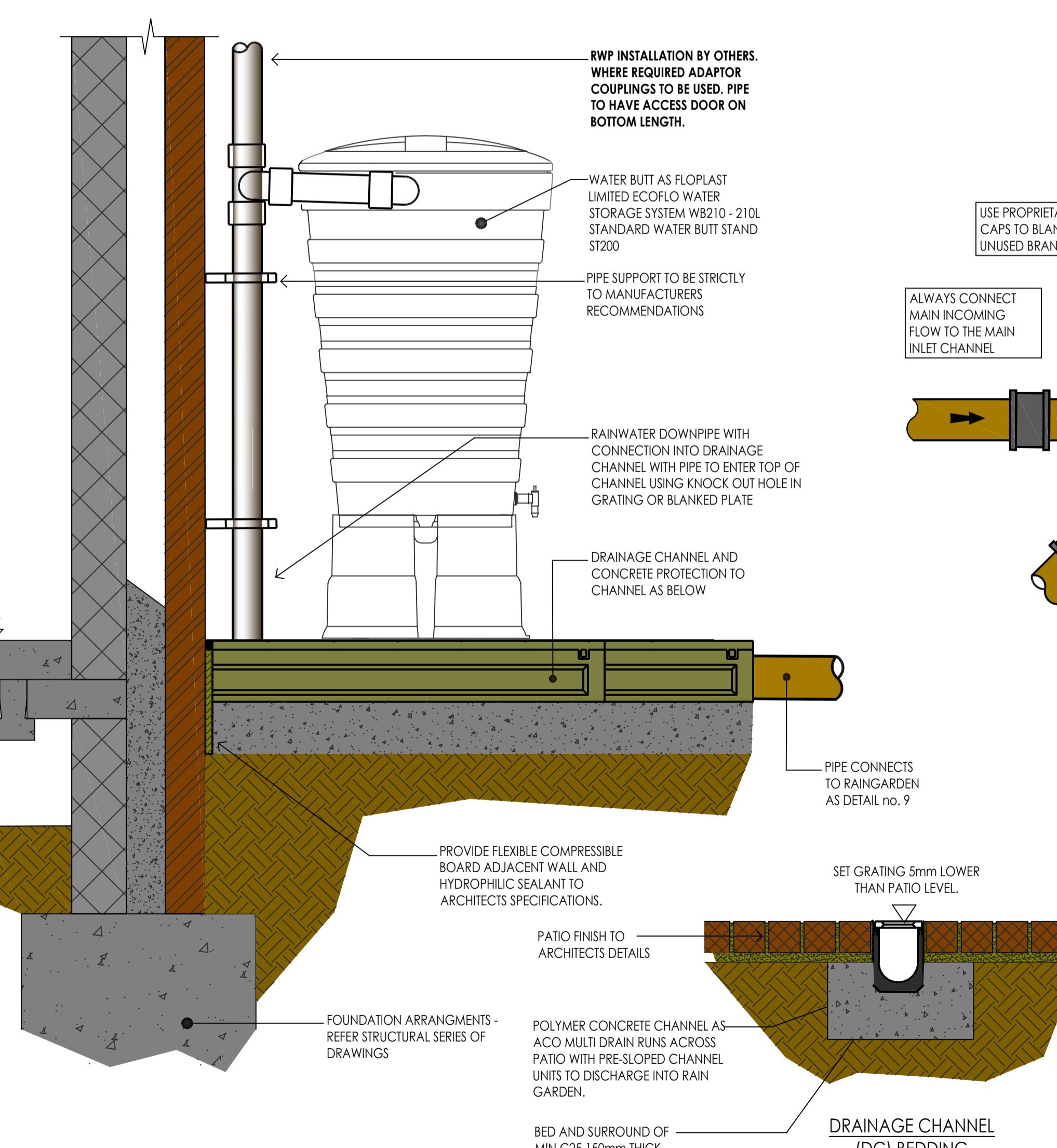


DETAIL No. 1 - INTERNAL DRAIN POINT AND MAX RUN UNDER BUILDING



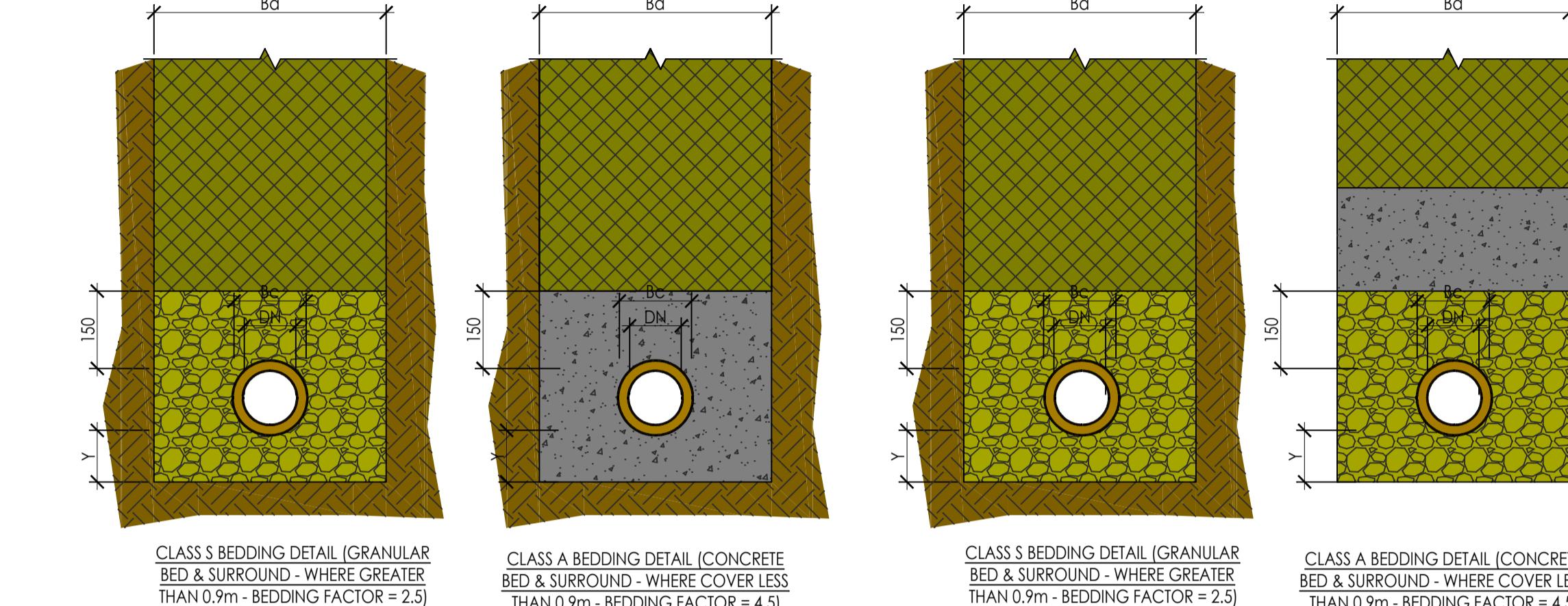
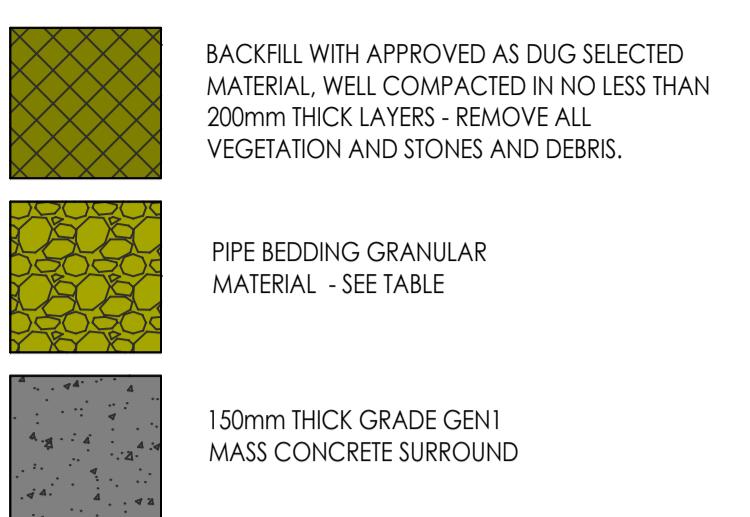
DETAIL No. 3 - DRAINAGE PASSING THROUGH MASS CONCRETE FOUNDATION



DETAIL No. 4 - WATER BUTT AND EXTERNAL RAINWATER PIPE (RWP) DISCHARGES INTO DRAINAGE CHANNEL (DC)

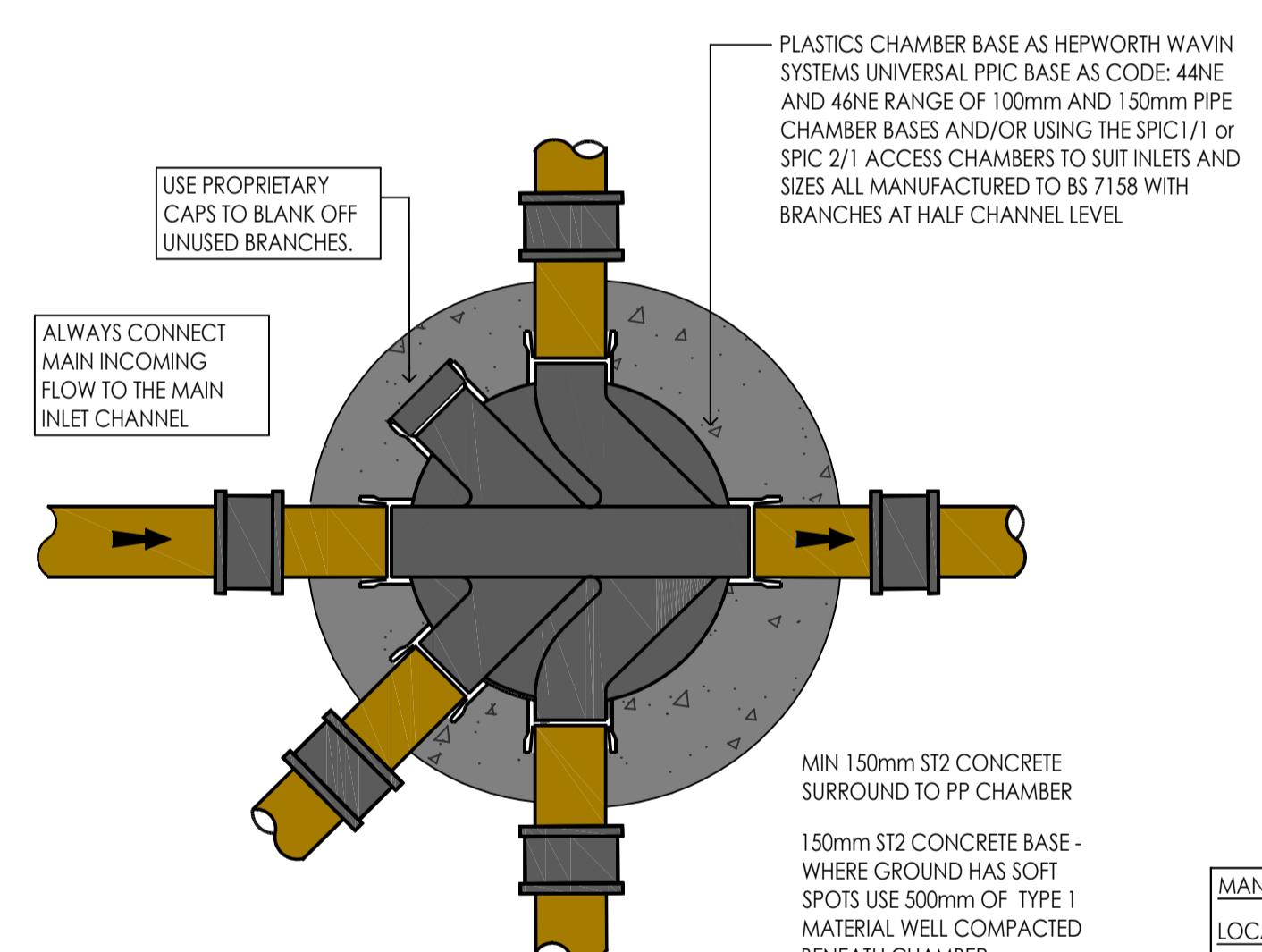
NOMINAL INTERNAL DIA DN (mm)	ASSUMED EXTERNAL DIA Bc (mm)	ASSUMED MAX PERMISSIBLE TRENCH WIDTH Bd (mm)	DIMENSION 'Y' (mm)
100	130	550	150
150	190	600	150

NOTES:
1. 125mm EXPANSION JOINT MATERIAL TO FULL AREA OF CONCRETE BED & SURROUND AT ALL PIPE JOINTS
2. FINAL FORMATION TO BE DISHED TO GIVE FULL DEPTH OF CONCRETE BED AROUND PIPE COLLAR.
3. WHEN USING CONCRETE REFER TO THE SOIL REPORT FOR SULPHATE CONTENT.
4. ALL TRENCH FILL MATERIAL MUST BE INERT.
5. CONTRACTOR TO SUPPLY GRADING CERTIFICATES FOR ALL GRANULAR MATERIAL TO PROJECT MANAGER FOR APPROVAL.



DETAIL No. 2A - EXTERNAL DRAINAGE RIGID PIPE BEDDING DETAILS - VITRIFIED CLAYWARE & CONCRETE PIPES

DETAIL No. 2B - EXTERNAL DRAINAGE FLEXIBLE PIPE BEDDING DETAILS - PLASTIC & DUCTILE IRON PIPES



CHAMBER PLAN

LOCATION	FINISH	DUTY	COVER TYPE
EXTERNAL	PAVED	FACTA B	450mm SQUARE RECESSED COVER AS SAINT GOBAIN STEELWAV BIPAVE RANGE
EXTERNAL	BLACKTOP	D400	450mm SQUARE SLIDE OUT COVER AS SAINT GOBAIN INTER-AX
INTERNAL	TILED/VINYL	FACTA B	COVER TO BE 'HOWE GREEN' AIR AND WATER TIGHT AS 7500 SERIES.

1. ALL SIZES OF CLEAR OPENINGS SHOULD BE AT LEAST SIZE OF INSPECTION CHAMBER FOR 3000 PPACs AND 4500 PPICs.
2. FOR LARGER CONCRETE AND BRICK MANHOLE CHAMBERS MIN SIZE SHOULD BE 600 x 600 - REFER TO MH DATA BOX ON PROJECT DRAWINGS

DETAIL No. 5 - POLYPROPYLENE INSPECTION CHAMBER (PPIC)

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This drawing should be read in conjunction with the design team's relevant documents, drawings & details.
Existing public & private utility services and drainage locations shown have been derived from non-intrusive survey techniques. Their location is not accurate and the contractor must satisfy himself using open excavation where the location of such plant and apparatus is critical in construction.
If the contractor has constructed from this drawing without necessary approvals from Local Planning Authorities, Building Control, Sewerage Undertakers, Environment Agency etc then any abortive work shall be at his own financial risk and not the responsibility of SDA.
If the contractor has constructed from this drawing whilst the drawing remains 'PRELIMINARY' status, then any abortive work shall be at his own financial risk and not the responsibility of SDA.
The contractor should NOT construct any works should there be any doubt with information shown from any of the source. ALWAYS USE GIVEN DIMENSIONS ONLY. ALWAYS ASK IF IN DOUBT.
ALWAYS PRINT THIS DRAWING IN COLOUR

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