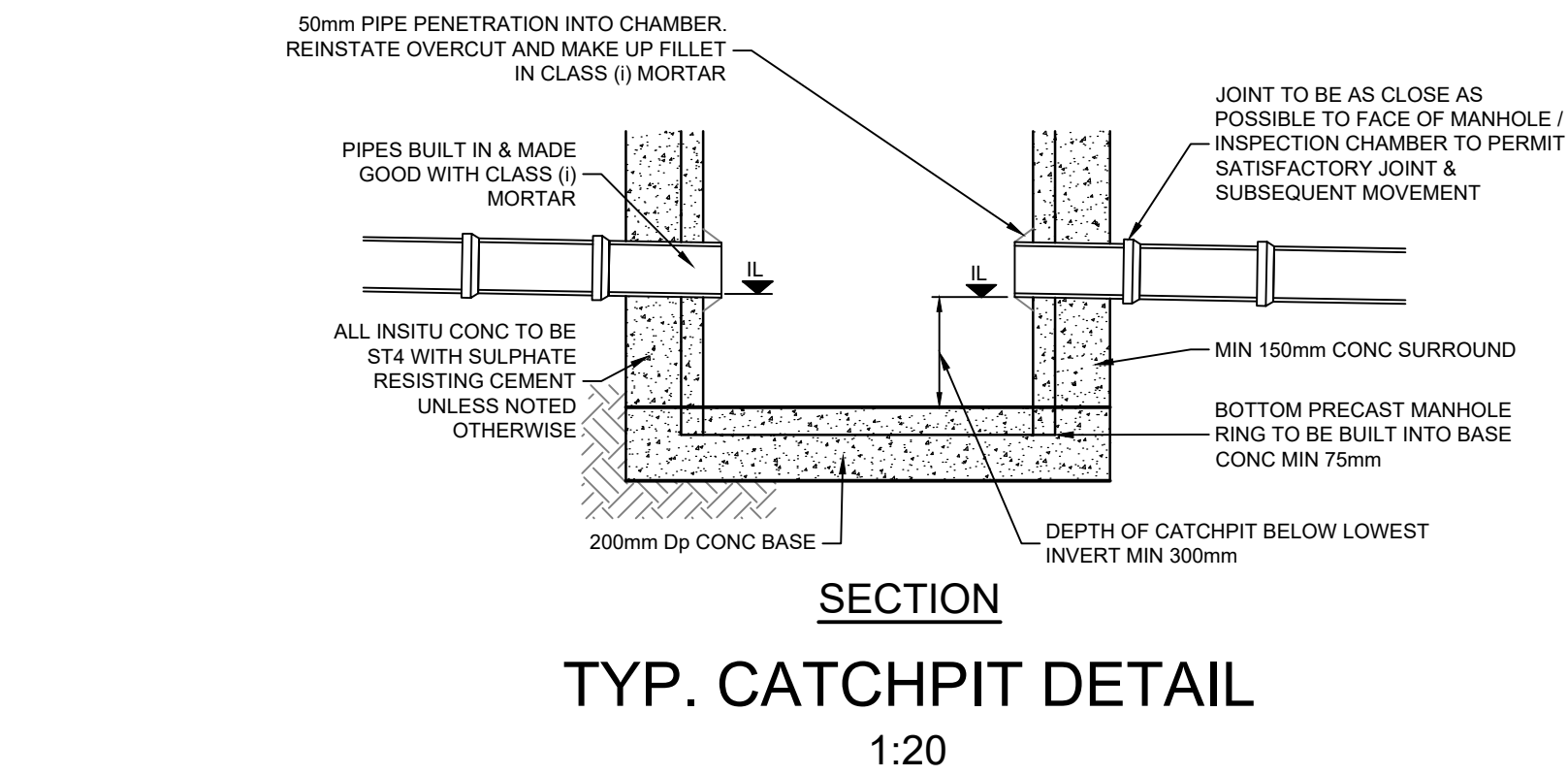
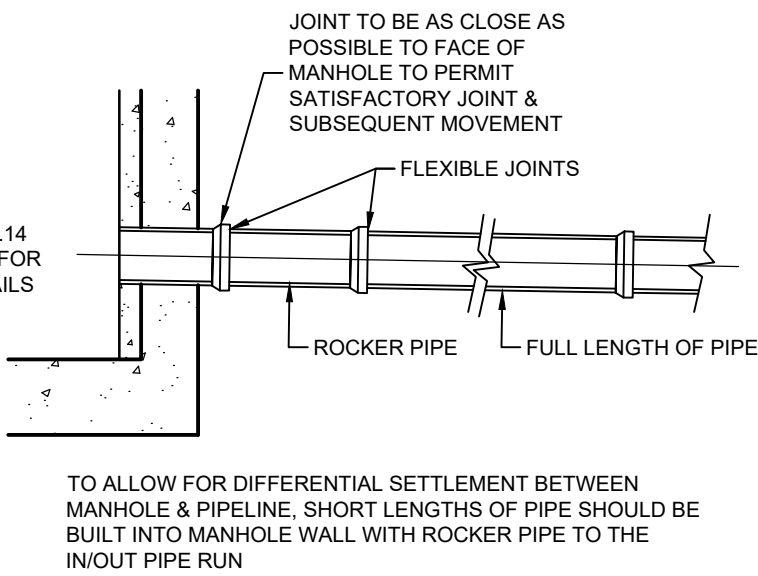
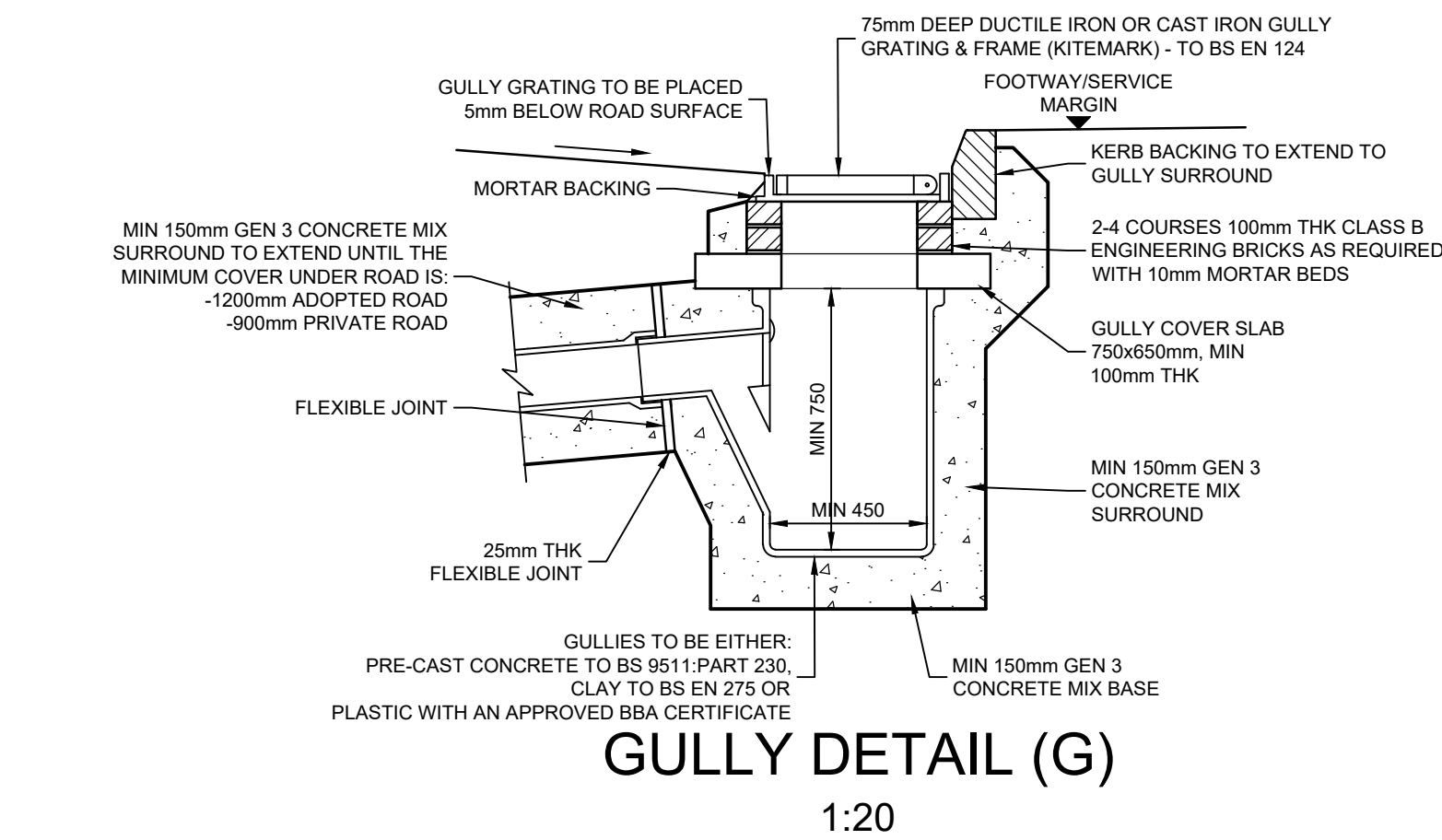
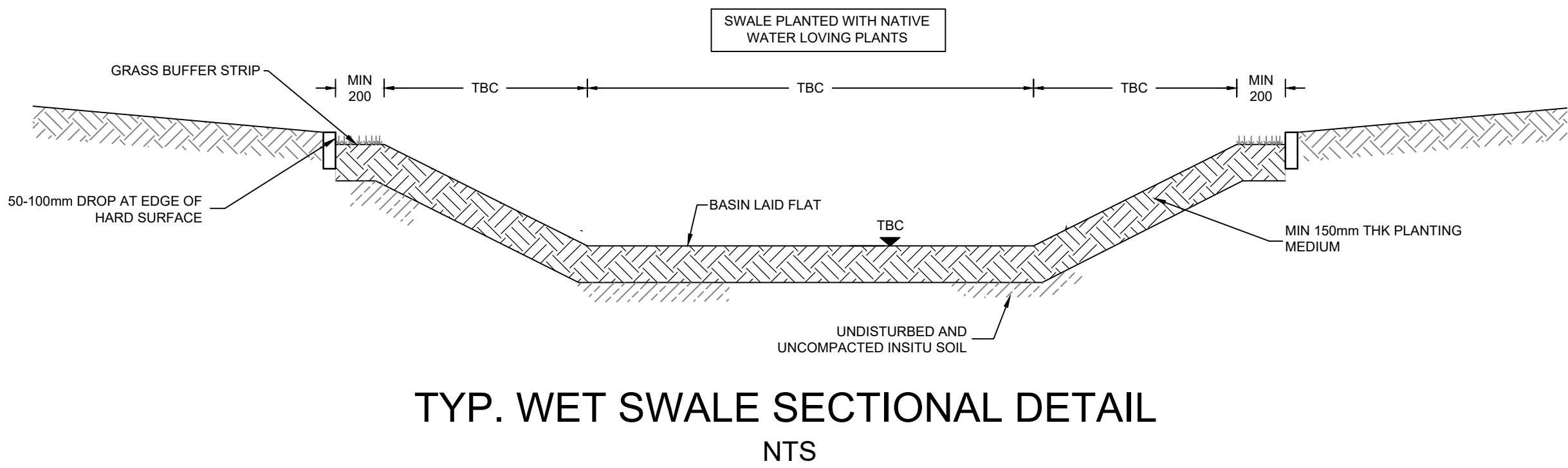
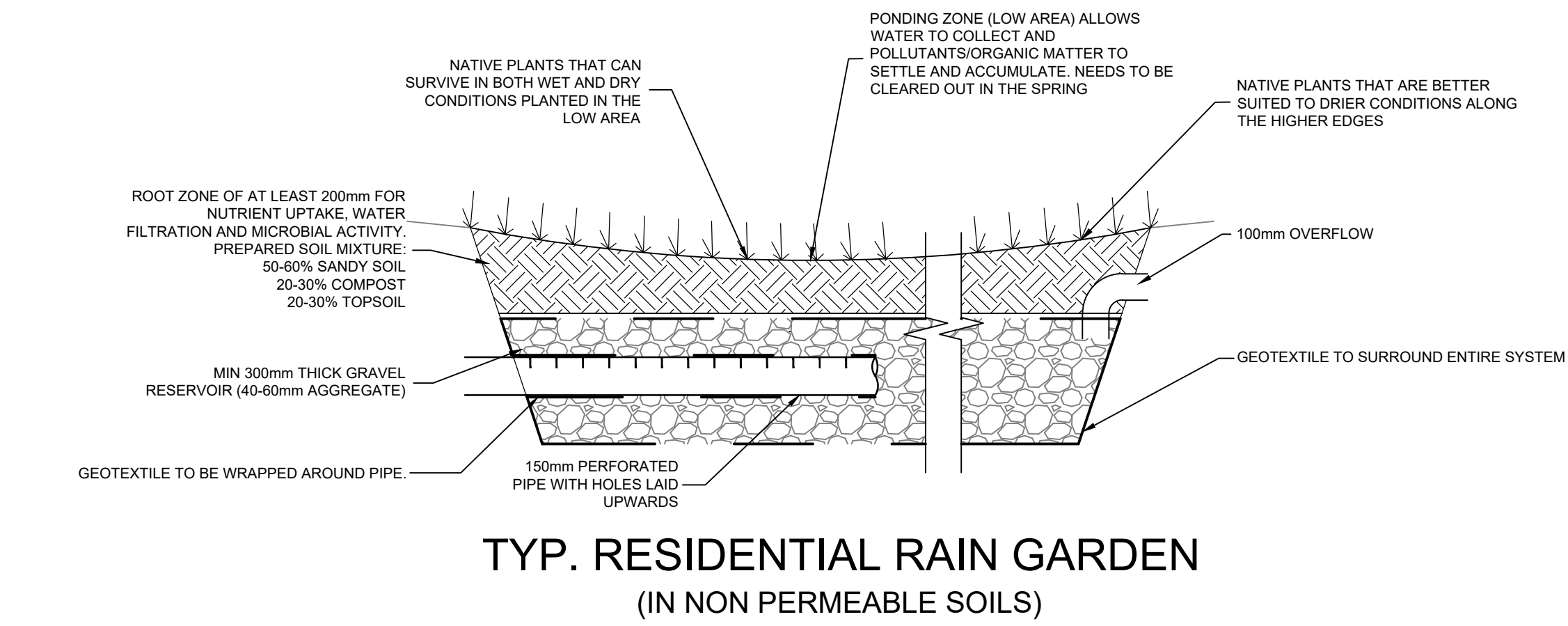
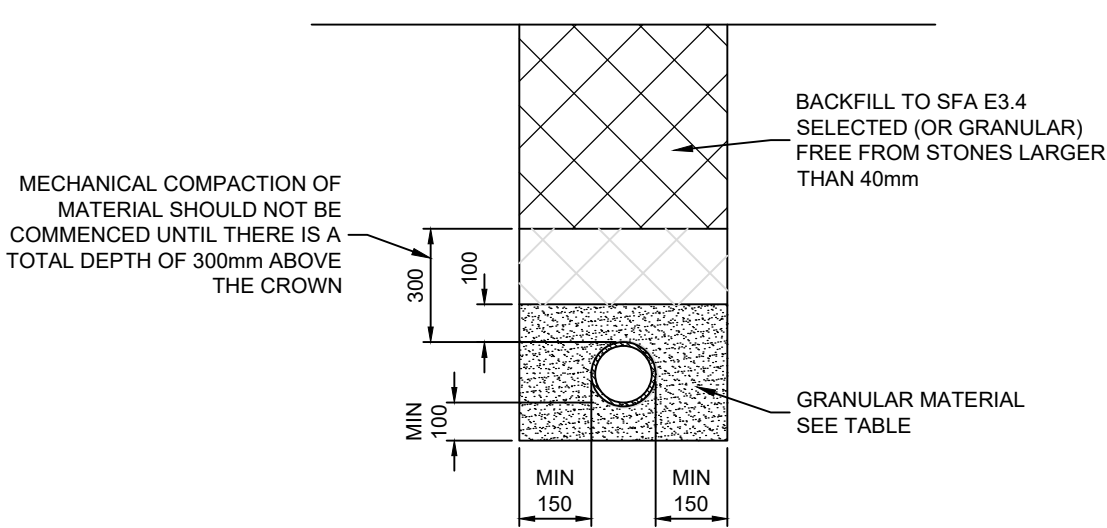




PIPE NOM. SIZE (DN)	NOM. MAX STONE SIZE (mm)	SUITABLE MATERIAL
100	10	10mm NOMINAL SINGLE SIZE
150	16	10 OR 14mm NOMINAL SINGLE SIZE OR 14mm TO 5mm GRADED
300	20	10, 14 OR 20mm NOMINAL SINGLE SIZE OR 20mm TO 5mm GRADED
550	20	14 OR 20mm NOMINAL SINGLE SIZE OR 20mm TO 5mm GRADED
over 550	40	14, 20 OR 40mm NOMINAL SINGLE SIZE OR 40mm TO 5mm GRADED

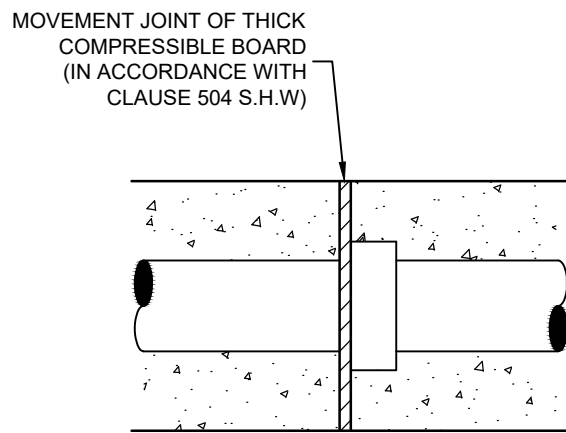
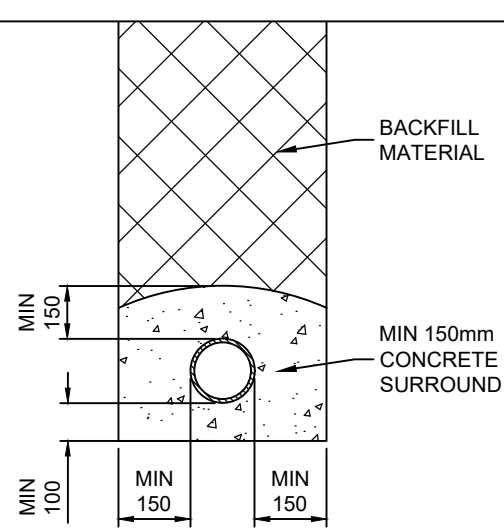


CLASS Z TO BE USED WHEN COVER IS LESS THAN:

GARDENS AND PATHS	0.35m
VEHICLES ≤7.5t	0.50m
VEHICLES > 7.5t (RESTRICTED ACCESS)	0.90m
AGRICULTURAL AND PUBLIC SPACES	0.90m
HIGHWAYS AND UNRESTRICTED ACCESS	1.20m

CONCRETE SURROUND IN ACCORDANCE WITH CLAUSE 503.3 (iii) OF THE SPECIFICATION FOR HIGHWAY WORKS (S.H.W.).

CONCRETE TO BE ST4 IN ACCORDANCE WITH CLAUSE 2602 OF THE SPECIFICATION FOR HIGHWAY WORKS (S.H.W)



1. CONCRETE SURROUND TO DRAIN TO BE FLEXIBLY JOINTED AT EVERY JOINT NOT WITHSTANDING THE ABOVE, MAXIMUM SPACING OF FLEXIBLE JOINT TO BE 3.0m

2. TO MAINTAIN THE FLEXIBILITY OF CONCRETE SURROUNDED DRAINS THE CONCRETE SHALL BE KEPT CLEAR OF THE JOINT BY PLACING 'FLEXCELL' OR EQUIVALENT APPROVED MATERIAL.

FOR PIPES >300mm Ø PLACE 2No. LAYERS OF 18mm THICK FLEXCELL BETWEEN THE SPIGOT OF EACH IN SUCH A MANNER AS TO ALLOW THE JOINT FULL AXIAL AND ANGULAR MOVEMENT.

FOR PIPES <300mm Ø PLACE 1No. LAYER, 18mm THICK.

THE FLEXCELL SHALL BE PLACED IN A VERTICAL POSITION AND COVER THE CROSS SECTIONAL AREA OF CONCRETE BED AND SURROUND TO EACH JOINT.

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND OTHER SPECIALISTS' DRAWINGS.
- PLEASE REFER TO DATRYS DRAWING 20269/501 FOR DRAINAGE LAYOUT
- ALL CONCRETE SHALL BE GEN3 WITH SULPHATE RESISTING IN ACCORDANCE WITH BS8500 U.N.O.
- ALL GRAVITY PVC-U PIPEWORK TO BE TO BS EN 13598-1:2010 OR BS EN 1401-1:2009 WHERE RELEVANT UNLESS NOTED OTHERWISE

NOTES FOR PIPE BEDDING & SURROUND

- BACKFILLING TO PIPE TRENCHES BENEATH ROADS, CAR PARKING AND STRUCTURES TO BE D.O.T. TYPE 1 GRANULAR MATERIAL UP TO FORMATION LEVEL FROM THE TOP OF THE SPECIFIED PIPE SURROUND (WELL COMPACTED IN 150mm MAX LAYERS).
- OPTIMUM TRENCH WIDTH = PIPE+300mm. CONTRACTOR TO ENSURE TRENCH WALLS ARE SUITABLY PROPPED
- BACKFILL MUST NOT BE PLACED ON CONCRETE BEDDING OR SURROUND UNTIL THE CONCRETE COMPRESSIVE STRENGTH HAS REACHED 15N/mm²
- BRICKS OR BLOCKS MUST NOT BE PLACED IN THE BEDDING MORTAR FOR SETTING THE PIPES TO LEVEL
- ALL ROCKER PIPE LENGTHS : 600mm
- MAX DISTANCE FROM FACE OF CONC SURROUND TO FIRST FLEXIBLE JOINT TO BE 150mm

REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

STATUS

FOR APPROVAL

CLIENT

PROJECT
Ty Nos Redevelopment
Holt Road, Wrexham

TITLE
Drainage Details
Sheet 2

Bronced House
Bronced Business Park
Wrexham Road
Holt
Flintshire
CH7 1HP
01352 796205
info@datrys.coop
www.datrys.net

Telephone
E-mail
Internet

DRAWN	TD	CHECKED	AC	PASSED	AC
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DATE 24.02.21 CLIENT'S REF.

SCALE AT A1 AS SHOWN AUTOCAD REF. 20269/503

20269/503		REVISION
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