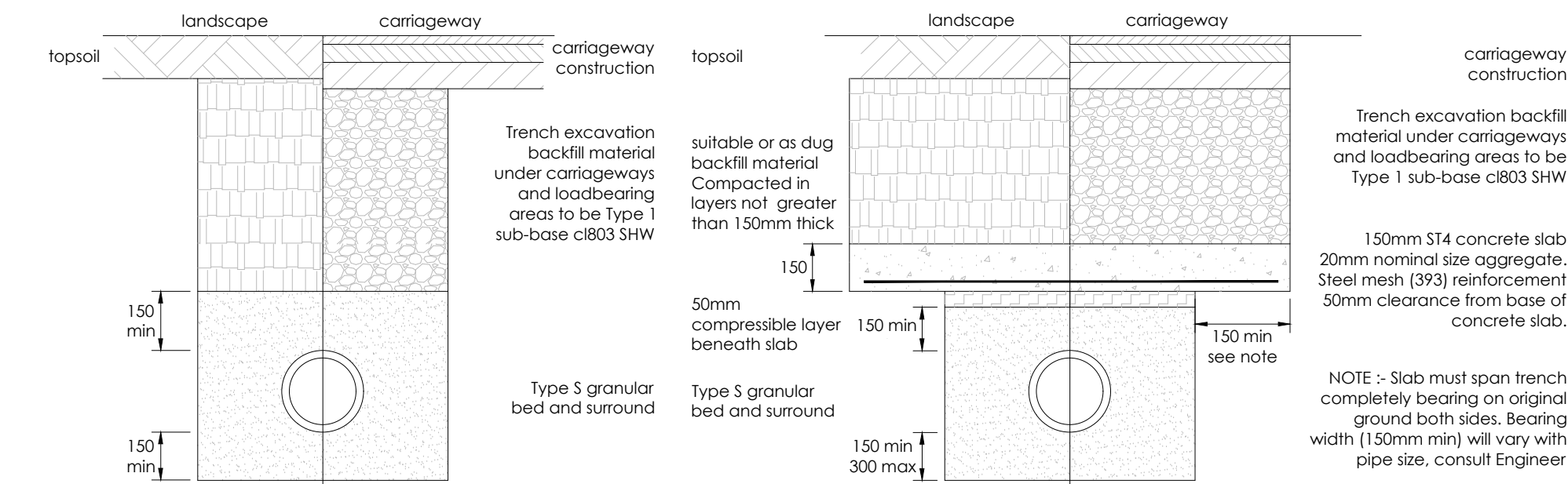
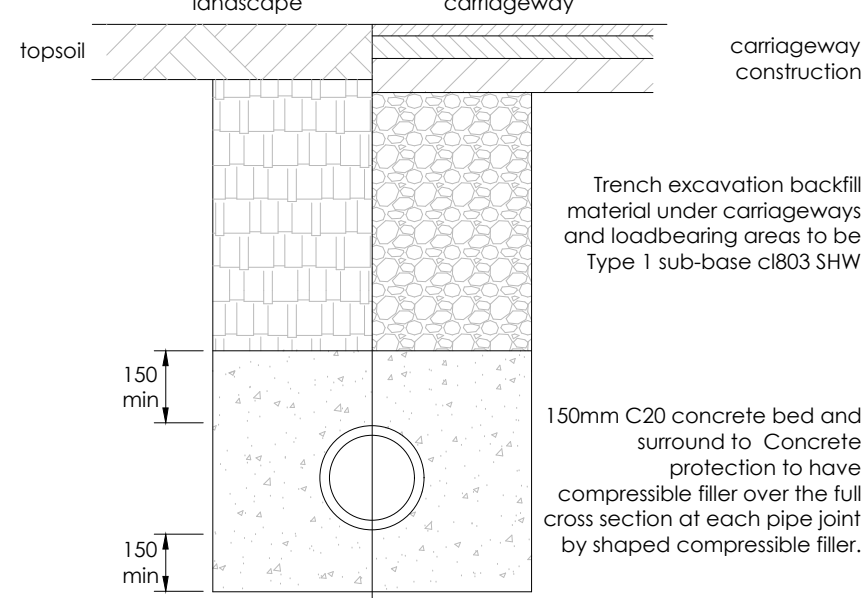




TYPE S GRANULAR SURROUND BED

To be used where cover to pipe soffit is greater than 1200mm in vehicular areas and greater than 900mm in non-trafficked areas (ie footpaths, verges, etc)



TYPE Z CONCRETE BED AND SURROUND

To be used where cover to pipe soffit is less than 1200mm in vehicular areas and 900mm in non-trafficked areas (ie footpaths, verges, etc)

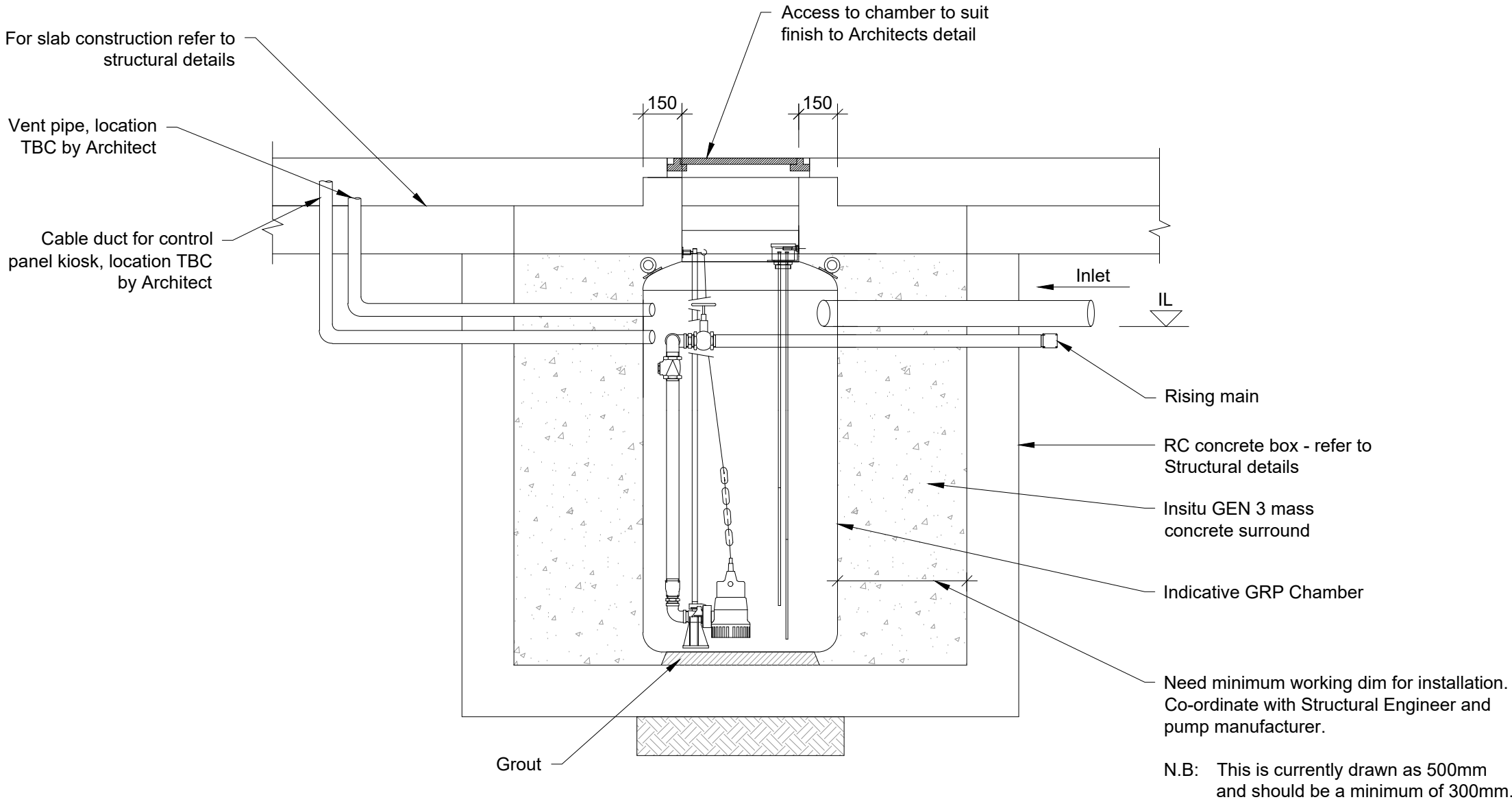
CONCRETE SLAB PROTECTION

For adoptable drainage where cover to pipe soffit is less than 1200mm in vehicular areas and 900mm in non-trafficked areas (ie footpaths, verges, etc)

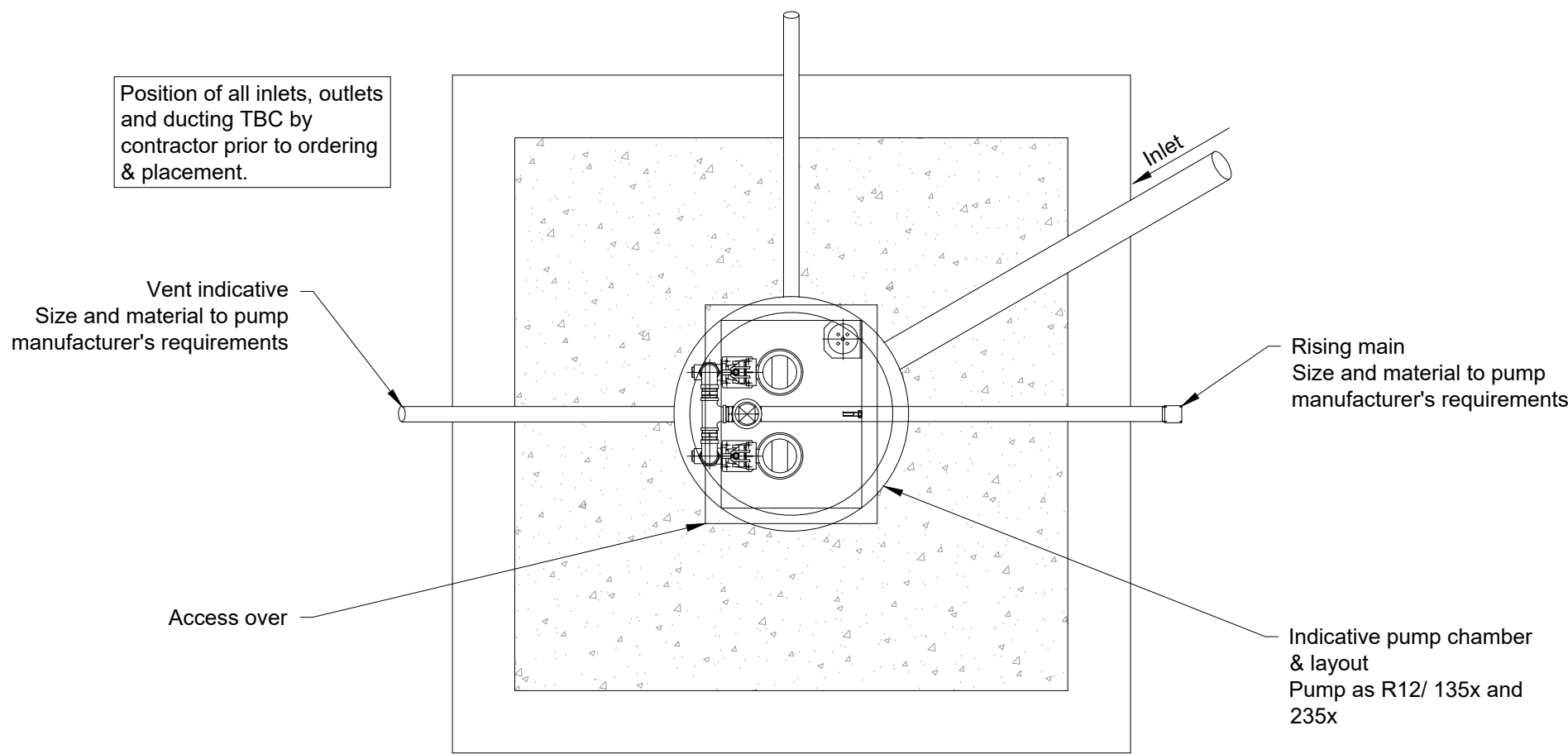
For private (non-adoptable drainage) to be used where cover to pipe soffit is less than 900mm in vehicular areas and 600mm in non-trafficked areas (ie footpaths, verges, etc)

Pipe nominal size (DN)	Pipe Bedding Requirement (mm)
100	10mm nominal shingle size
over 100-150	10mm or 14mm nominal shingle size or 14mm to 5mm graded
over 150-300	10, 14 or 20mm nominal shingle size or 14mm to 5mm graded or 20mm to 5mm graded
over 300-550	14, 20 or 40mm nominal shingle size crushed rock or 14mm to 5mm graded or 20mm to 5mm graded
over 550	14, 20 or 40mm nominal shingle size crushed rock or 14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded

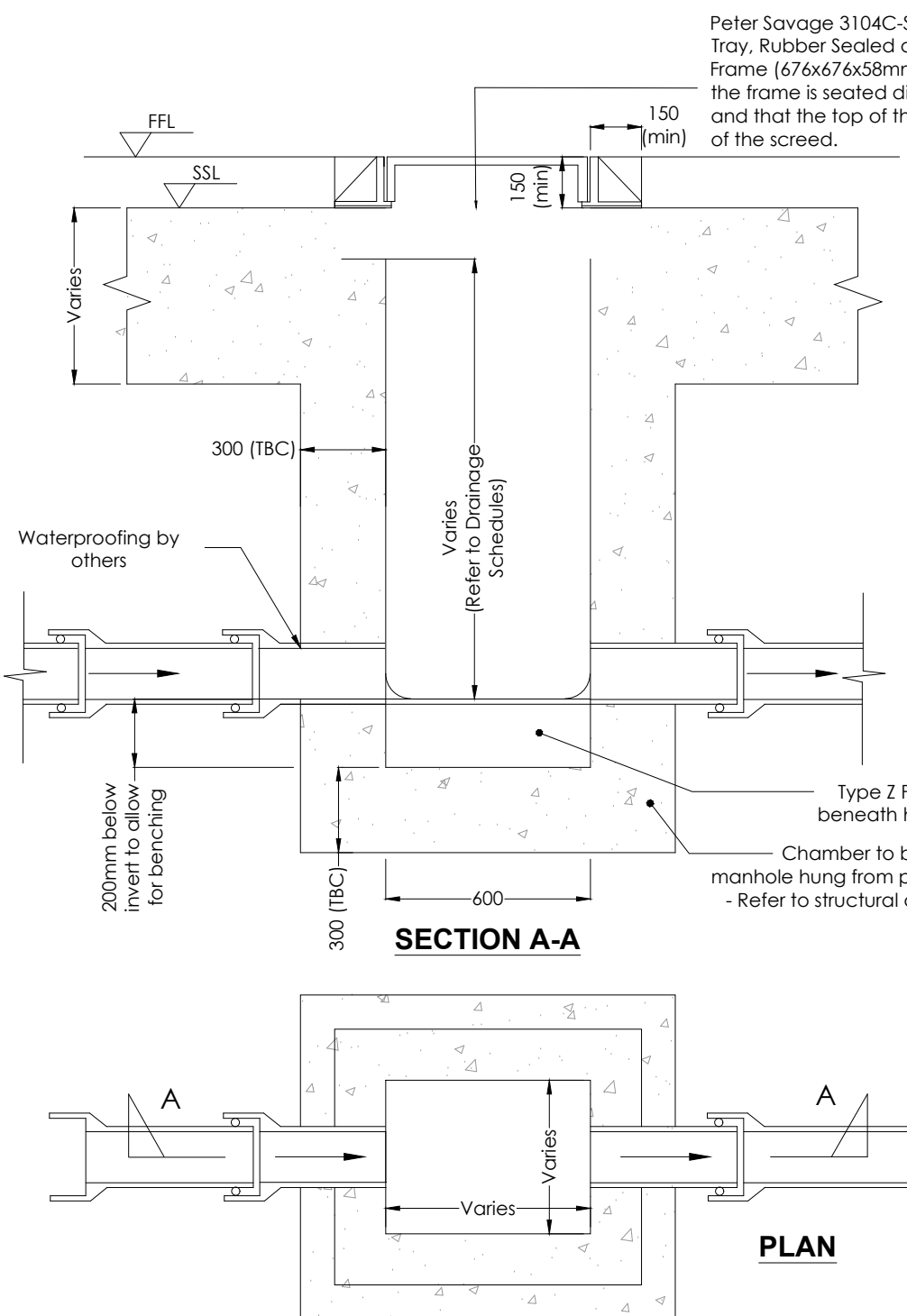
GRANULAR BEDDING AND SIDEFILL MATERIAL GRADINGS



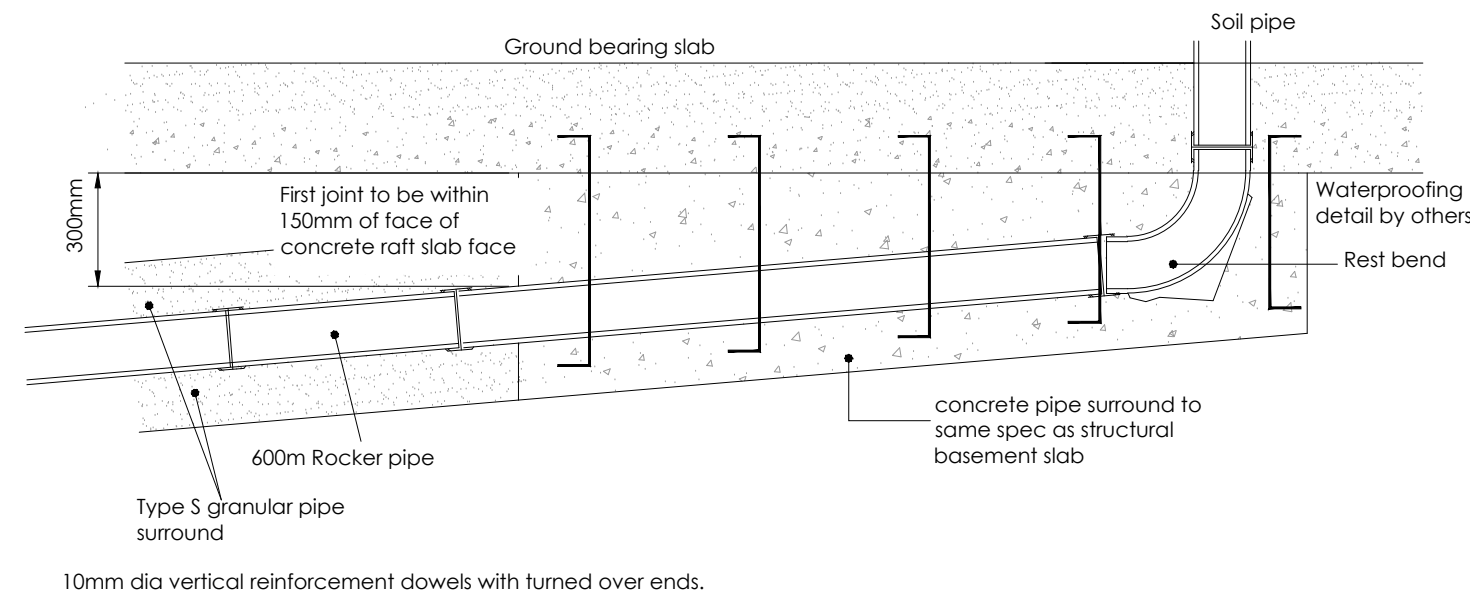
FOUL WATER GRP PUMP CHAMBER - SECTION VIEW



FOUL WATER GRP PUMP CHAMBER - PLAN VIEW



SMALL MANHOLE IN BASEMENT SLAB DETAIL



Where a pipe line has less than 300mm cover under the floor slab it should be surrounded with concrete integral with the slab. Ideally this should be poured at the same time as the floor slab. The concrete surround should be tied into the slab with normal steel reinforcement placed vertically with turned over ends. No provision for flexibility within the concrete surround should be made, unless there is an expansion joint in the slab.

In normal stable ground conditions and with 300mm cover to the pipeline then a total granular surround can be used.

In buildings up to 3 storeys the rest bend at the base of the soil stack should be 450mm below the invert of the lowest incoming drain. In buildings over 3 storeys this should be increased to 750mm. In buildings over 5 storeys the ground floor drainage

PIPE SURROUND BENEATH GROUND BEARING SLAB

- NOTES:
- All dimensions and levels are in metres unless otherwise noted
 - This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
 - This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
 - This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
 - Digital copies of this plan can only be considered accurate if supplied directly by Iesis Special Structures Limited.

NOTE
Final Construction based upon notations provided by HG Construction. HG Construction to confirm layout correctly reflects works carried out on site

AS BUILT DRAWING
(THIS DRAWING IS THE FINAL CONSTRUCTION ISSUE AND DOES NOT PURPORT TO BE A SURVEY OF THE WORKS AS CONSTRUCTED)

HG AS BUILT DRAWING
CONSTRUCTION HG CONSTRUCTION LIMITED

REV	DATE	DRAWN/CHK	REVISION INFO
FC1	10.10.25	NJ/RJW	FINAL CONSTRUCTION ISSUE

STATUS: FINAL CONSTRUCTION

CLIENT: HG CONSTRUCTION

PROJECT: Freewharf
Shoreham-by-Sea
BN43 6RE

DRAWING TITLE: Construction Details
Basement
(Sheet 1 of 1)

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
SE2002	n.t.s	A

DRAWING NUMBER:	REVISION:
ISS-XX-02-DR-C-3311	FC1

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BASEMENT ROAD GULLY CONSTRUCTION DETAIL

