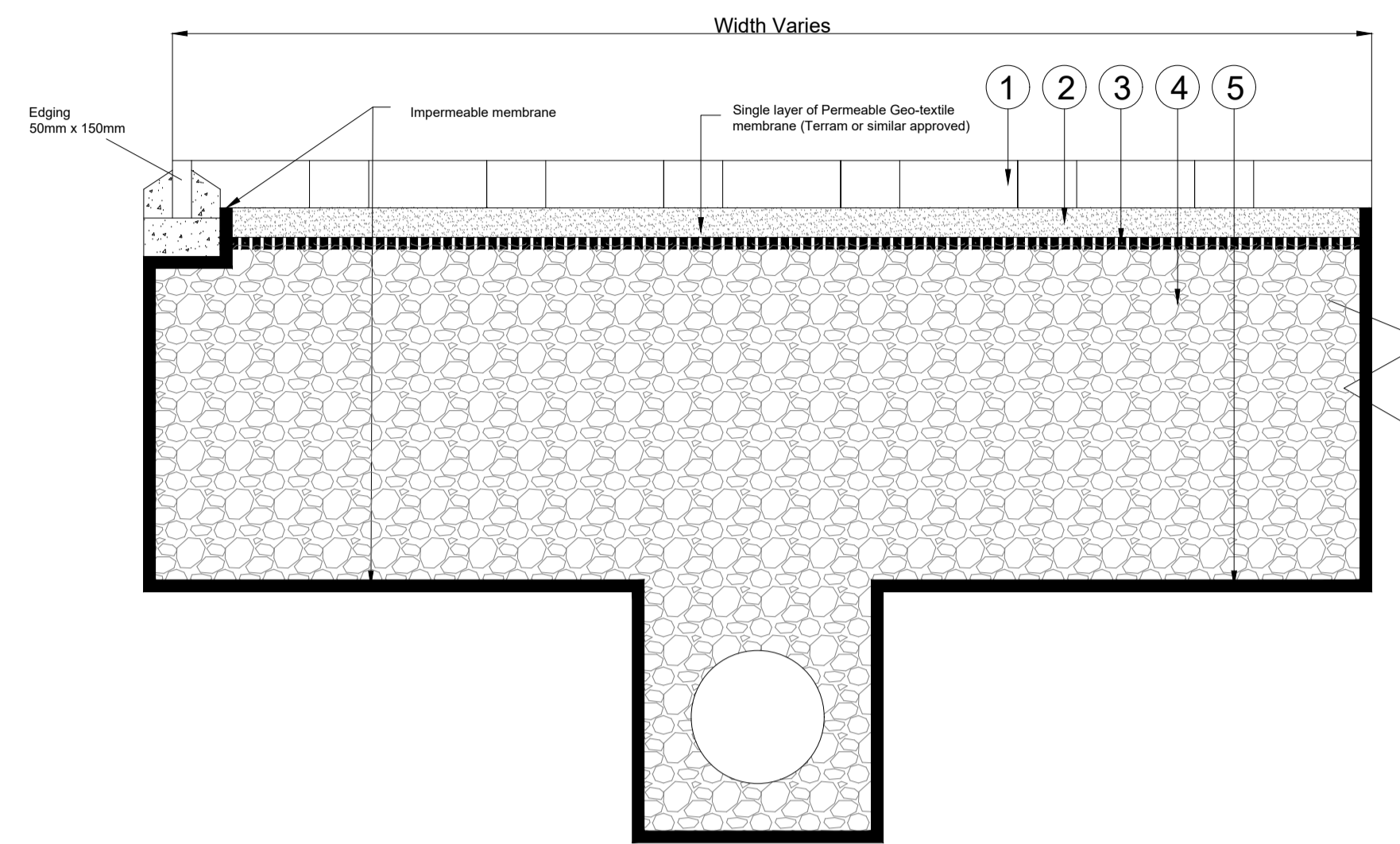
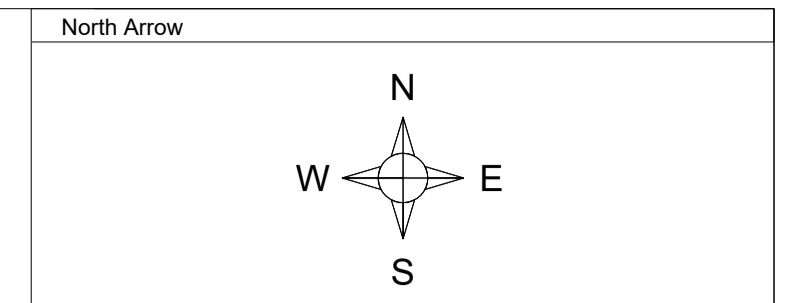


RAINWATER DOWNPIPE DRAINAGE INTO A SUB-BASE RESERVOIR
Scale (1:20)



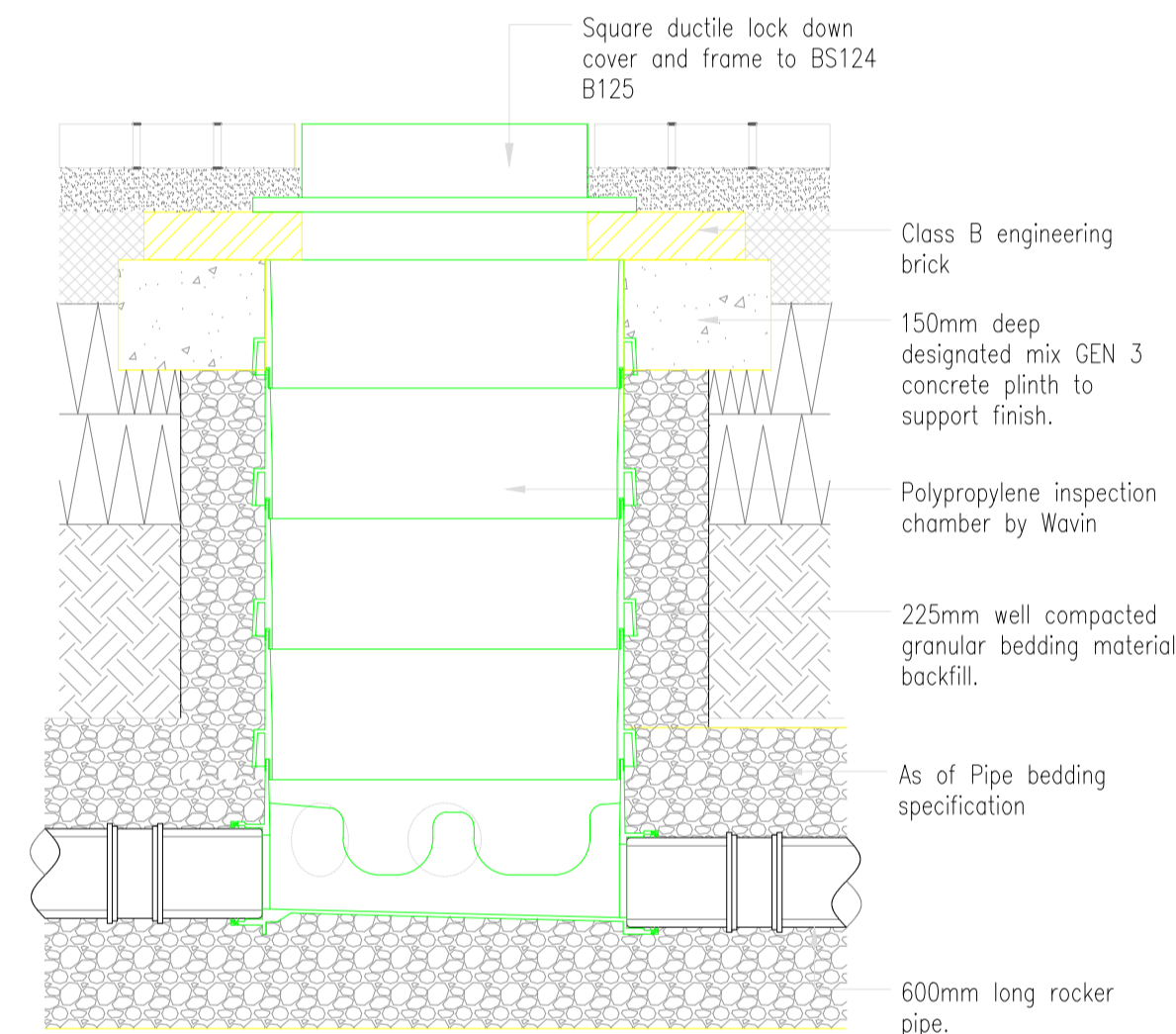
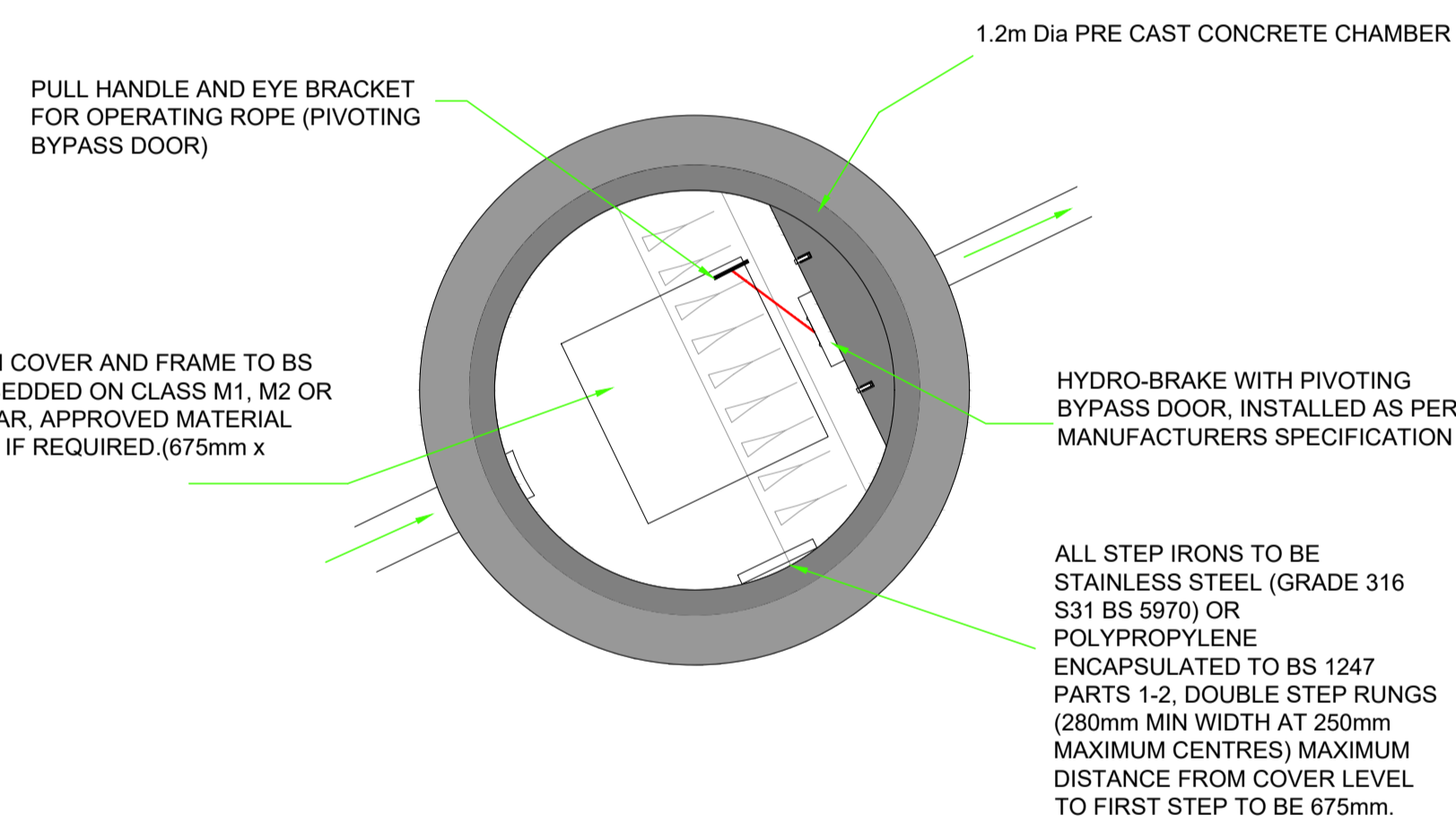
LAYER	SPECIFICATION	THICKNESS
(1) SURFACE COURSE	Permeable block paving or similar approved.	80mm
(2) LAYING COURSE	Open graded 2/6.3mm stone to BS EN12620	50mm
(3) GEOTEXTILE	Permeable fabric such as Terram 1000 or similar approved overlapping 300mm & taped at joints. Geotextile to be Cut/punch 50mm dia holes at 1.0m centres.	-
(4) SUB-BASE	Open graded crushed 4/20mm stone to BS EN 12620	600mm
(5) GEOTEXTILE	Impermeable fabric such as Terram or similar approved overlapping 300mm & taped at joints. The geotextile to be brought up the sides of the laying course & surface blocks & trimmed off flush after laying.	-

CONSTRUCTION SPECIFICATION FOR PRIVATE PERMEABLE BLOCK PAVING (CIRIA C753 TABLE 20.5 CATEGORY 2 LOADING) ASSUMED CBR 5%

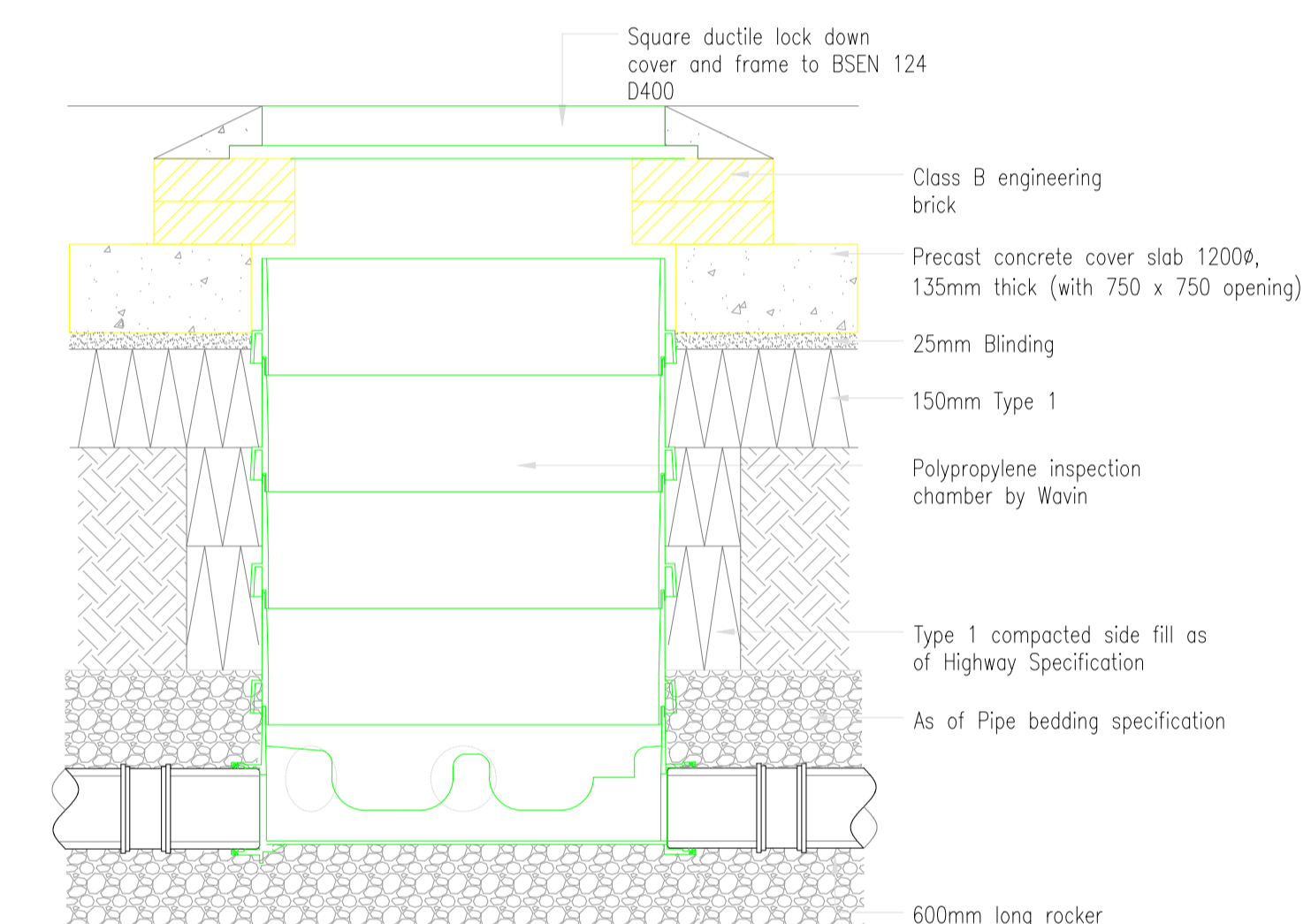


- NOTES**
- The contractor shall check all tie-ins for line and level with existing before commencing any works. The Engineer shall be notified immediately, in writing, should any errors be found.
 - Any discrepancies of whatever nature, must be reported to the Engineer prior to the commencement or continuance of any further works.
 - All private drainage works to be in accordance with the requirements of Building Regulations 2010, Part H, "Drainage and waste disposal" (01st October 2015).
 - All pipes to be bedded and backfilled in accordance with Part H, Diagram 10. Shallow pipes shall be protected in accordance with Part H, Diagram 11.
 - Unless otherwise stated, all private drainage to be 100mm diameter. Gradients have been shown where there are pipe capacity issues and these should be regarded as minimums. Unless there are constraints dictating otherwise, gradients shall generally be 1 in 80. 100mm diameter pipes shall not be laid flatter than 1 in 80. 150mm diameter pipes shall not be laid flatter than 1 in 150.
 - All pipes, chambers and fittings to be installed strictly in accordance with the manufacturers instructions.
 - Pipes which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.23 to 2.25 and Diagram 8.
 - All private manholes, inspection chambers and drainage channels to comply with BS EN124. Cover strengths to be:
Class D400 in heavy trafficked areas (access roads, service yards etc.)
Class C250 in lightly trafficked areas (low parks, driveways etc.)
Class B125 in Non trafficked areas
Class A15 in landscaping areas
 - All drains in the vicinity of existing or proposed trees to be constructed in accordance with the requirements of NHBC Practice Note 3.
 - Private drainage frames must be tied to manhole risers by use of manufacturer ties (e.g. Polypipe ref. FR500 being fill and FR601 block ties). The ground works contractor will be held fully responsible for any accidents due to incorrect fitting or failure to use the correct manufacturers fixing equipment.
 - All existing land drains encountered on site during construction to be re-connected.
 - Should any departure from the slab level be considered, agreement shall be sought from the Engineer immediately and prior to commencement or continuance of any works, and should take full account of all restrictions to the slab level.
 - Garage slabs relate to the finished level of the concrete at the front entrance of the garage.
 - Where a drive slopes towards a garage there is to be a 75mm ramp up to the garage slab.
 - Maximum gradients of gardens to be 1 in 6 (unless stated otherwise), except for designed banking works.
 - All dimensions in metres unless otherwise stated.
 - As underlying ground conditions may be variable across the site the Contractor shall undertake onsite probing tests at the location and depth of each soakaway. Tests should be undertaken in accordance with BRE365 and results forwarded to the Engineer to allow verification of design.
 - All existing services, sewers and drains indicated on this drawing and any other related drawings are shown only indicatively, and shall have their positions and level confirmed on site by the Contractor.
 - The invert levels of all existing sewers, drains, ditches, tanks or other features and apparatus where a new connection is to be made shall have their precise position and level confirmed on site by the Contractor prior to commencement of any construction work. The results of the investigations shall be confirmed to MTC Engineering (Cambridge) Ltd so that the design can be verified.

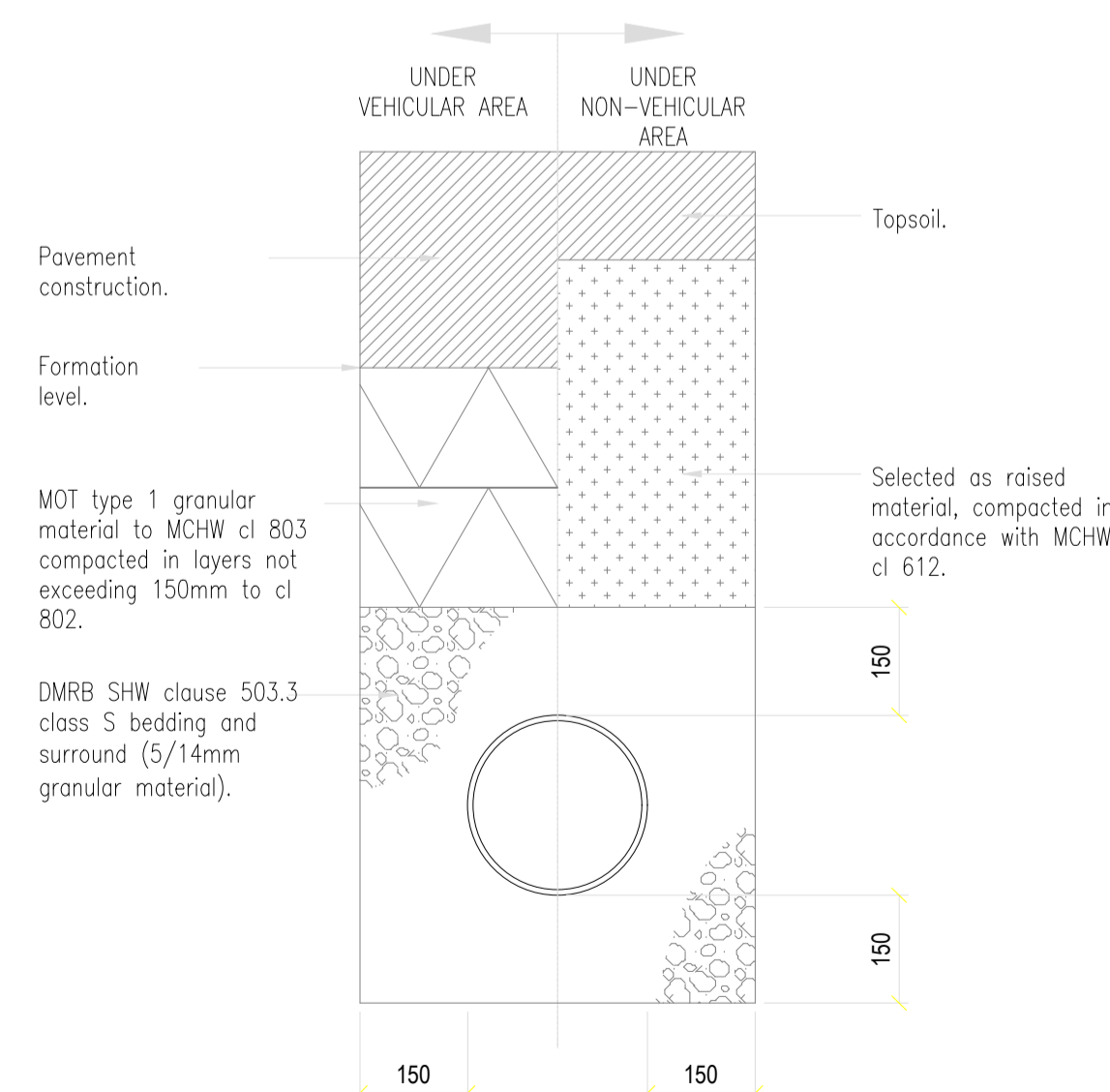
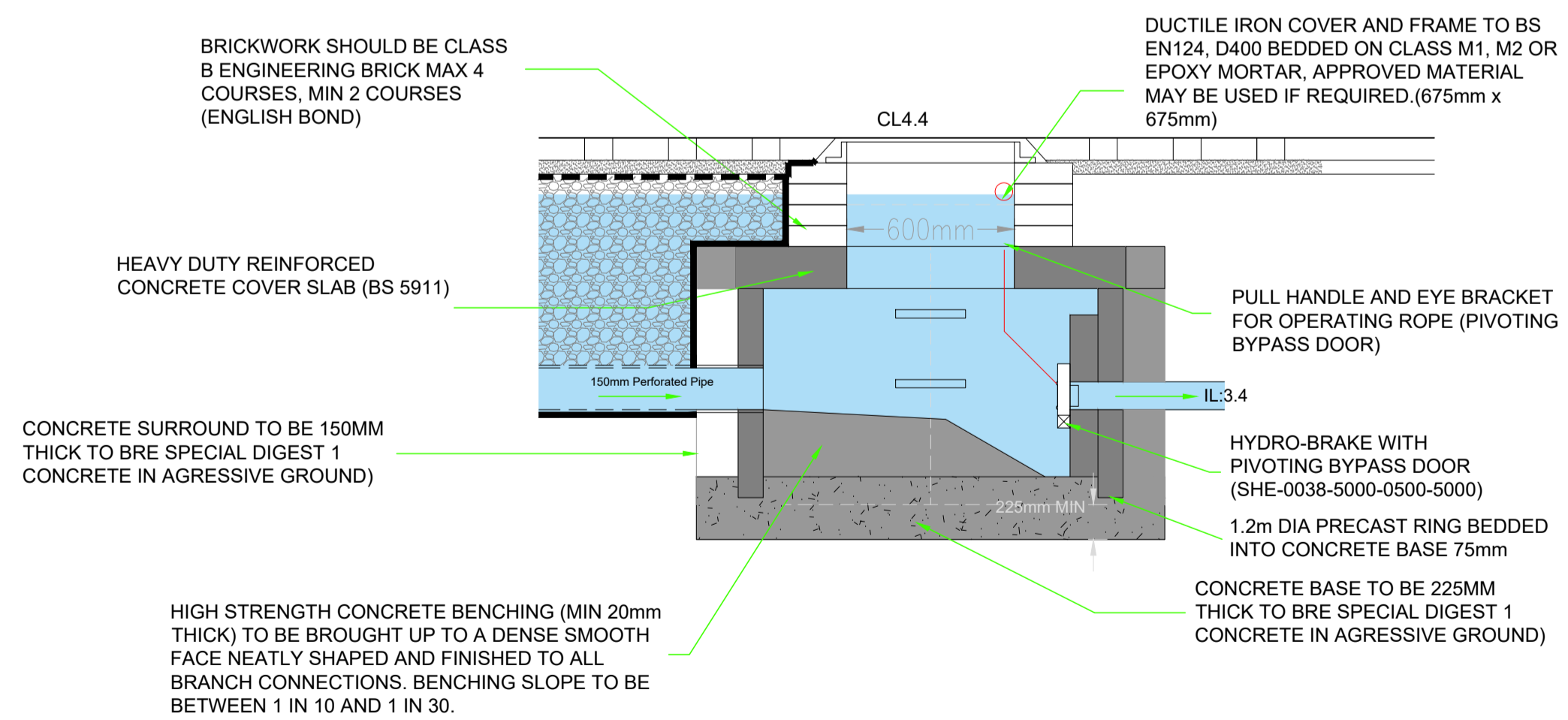
HYDRO BRAKE CHAMBER DETAIL
SHE-0038-5000-0500-5000
38mm Dia HYDRO BRAKE
0.5L/s FLOW WITH 0.5m HEAD



Detail for hard landscaped areas

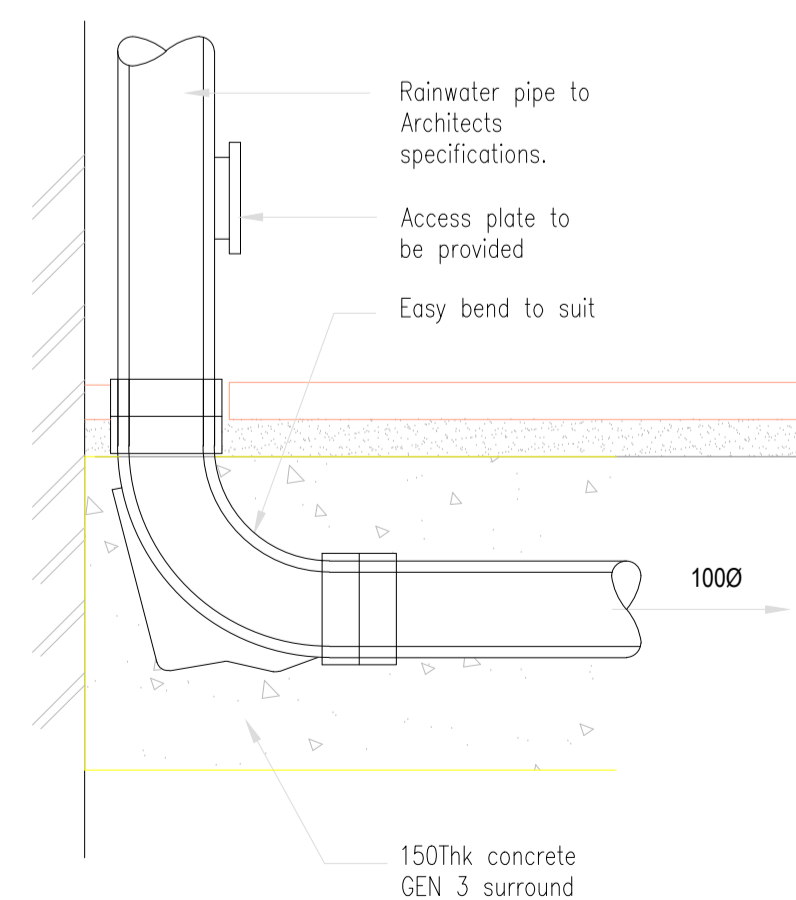


Detail for Trafficked Overrun Areas



Class S granular pipe bed and surround
To be used for plastic, vitrified and concrete pipework where cover to crown is greater than 900mm.

Pipe Bedding Details (1:10)



RWP Detail (1:10)

SOAKAWAY PROTECTION:
Please ensure that during the construction phase all soakaways, gullies and gully laterals are protected from the ingress of silt or grit from the site. Placing a fine heavy duty geotextile under the gully grating, between it and the frame should suffice.

NOTE:
At the location of the proposed lateral connection the contractor shall establish the position and depth of any existing services to prevent any clash in level and abortive costs.

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION/REASON FOR ISSUE	APPR



PROJECT
GORRINGES AUCTION ROOMS
GARDEN STREET, LEWES, BN7 1TJ

TITLE
DRAINAGE SPECIFICATION

ORIG	JTC	DATE	10.01.2024
CHKD	SCALE	SCALE AS SHOWN	
APPR	DRAWING NO	2426-08	

REV -
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