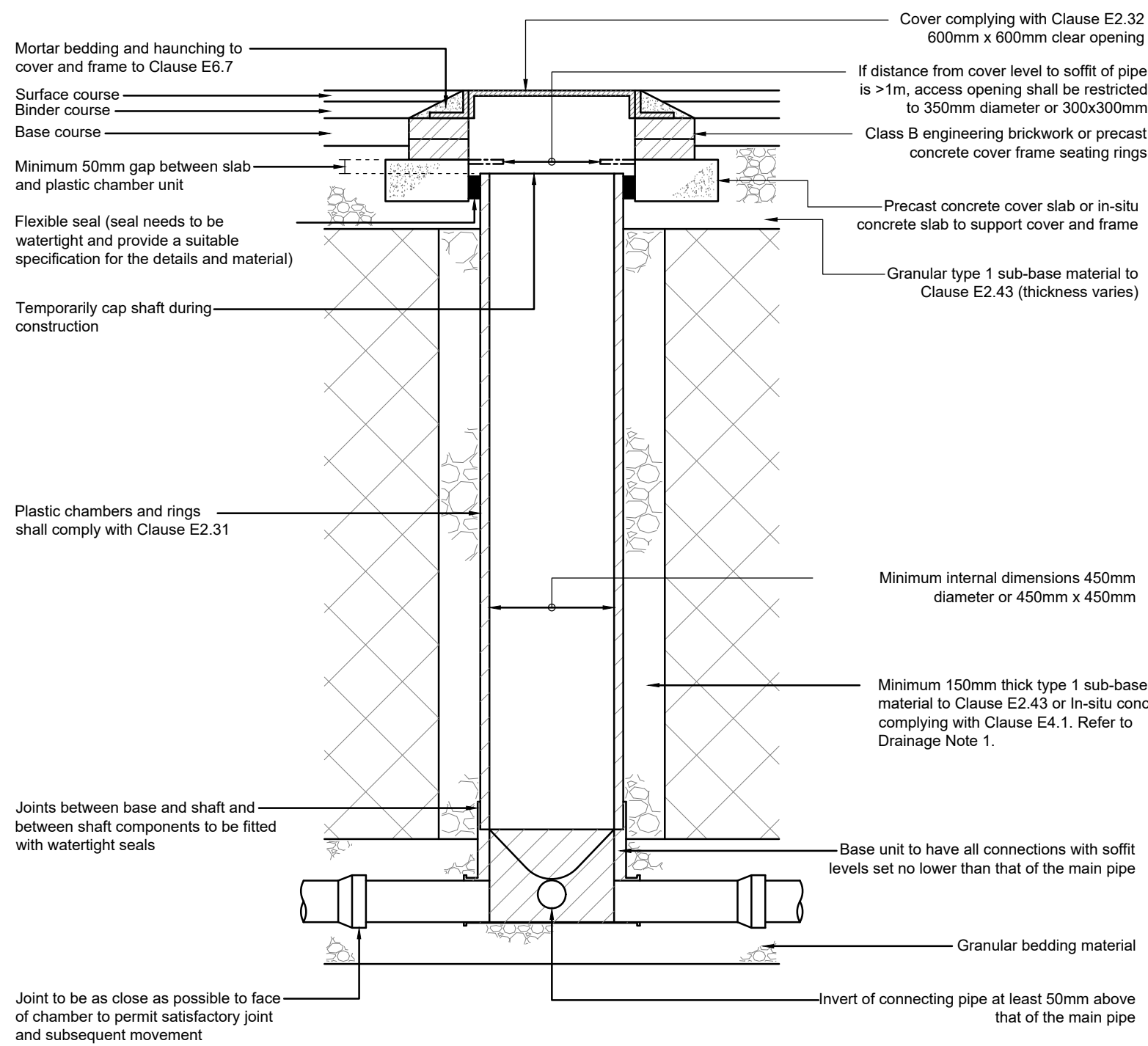
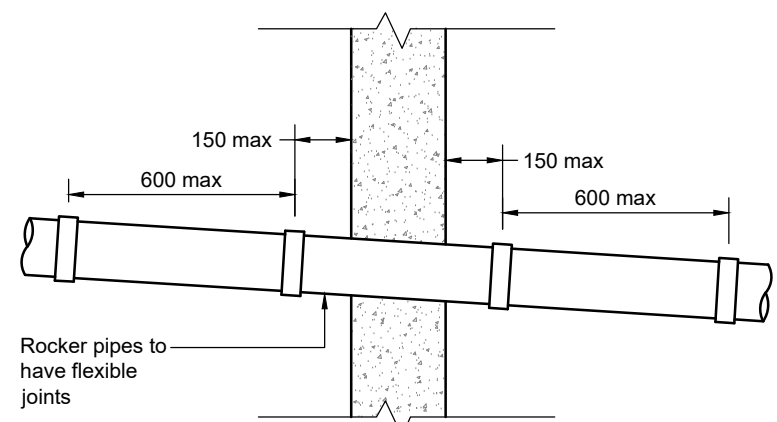




TYPICAL INSPECTION CHAMBER DETAIL - TYPE D

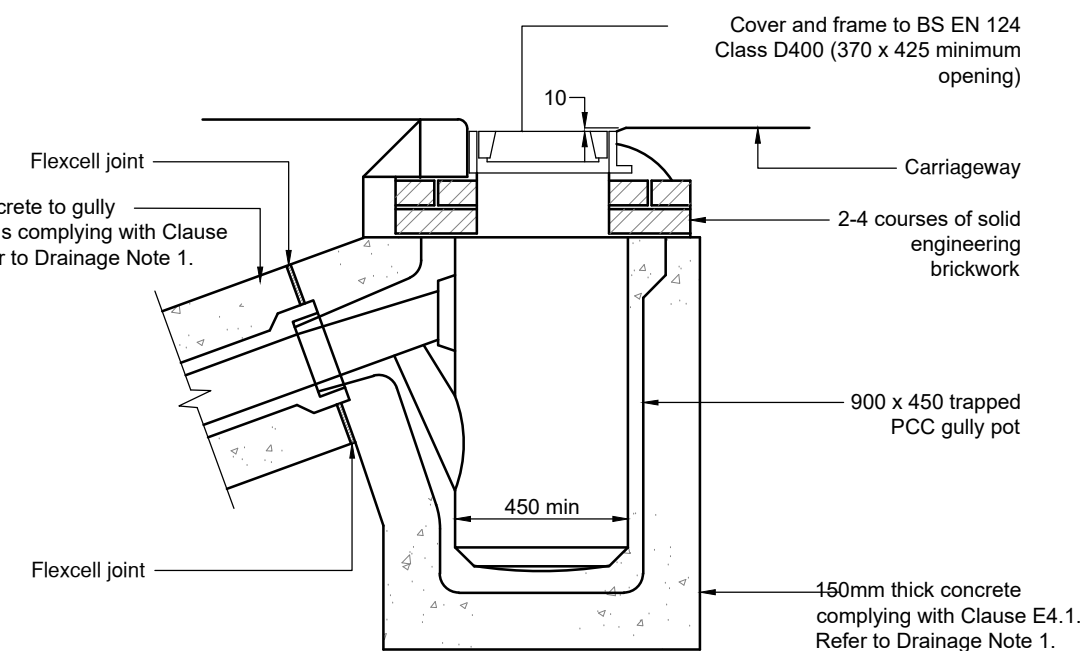
SCALE 1:20

Depth from cover level to soffit of pipe up to 3m.
Flexible material construction for use in areas subject to vehicle loading.



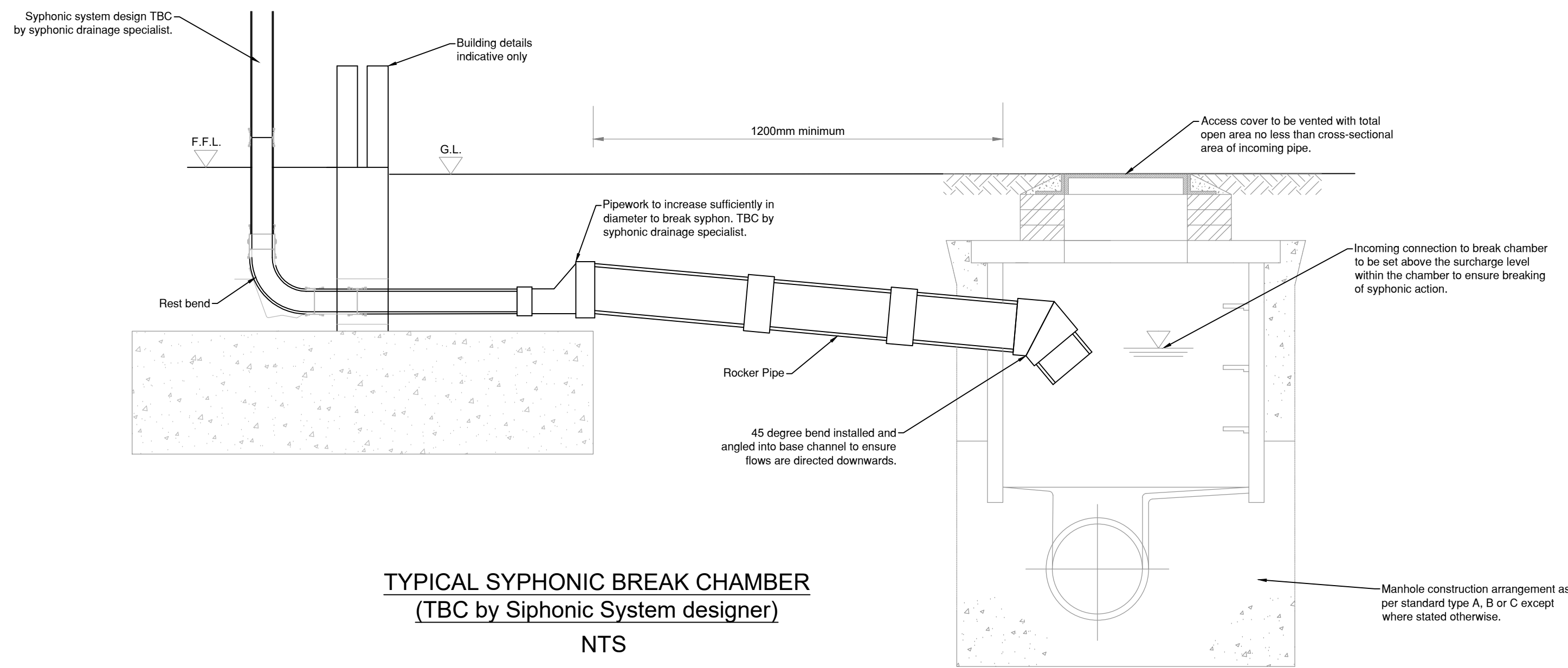
ROCKER PIPE DETAIL THROUGH WALL

SCALE 1:20



TYPICAL ROAD GULLY DETAIL

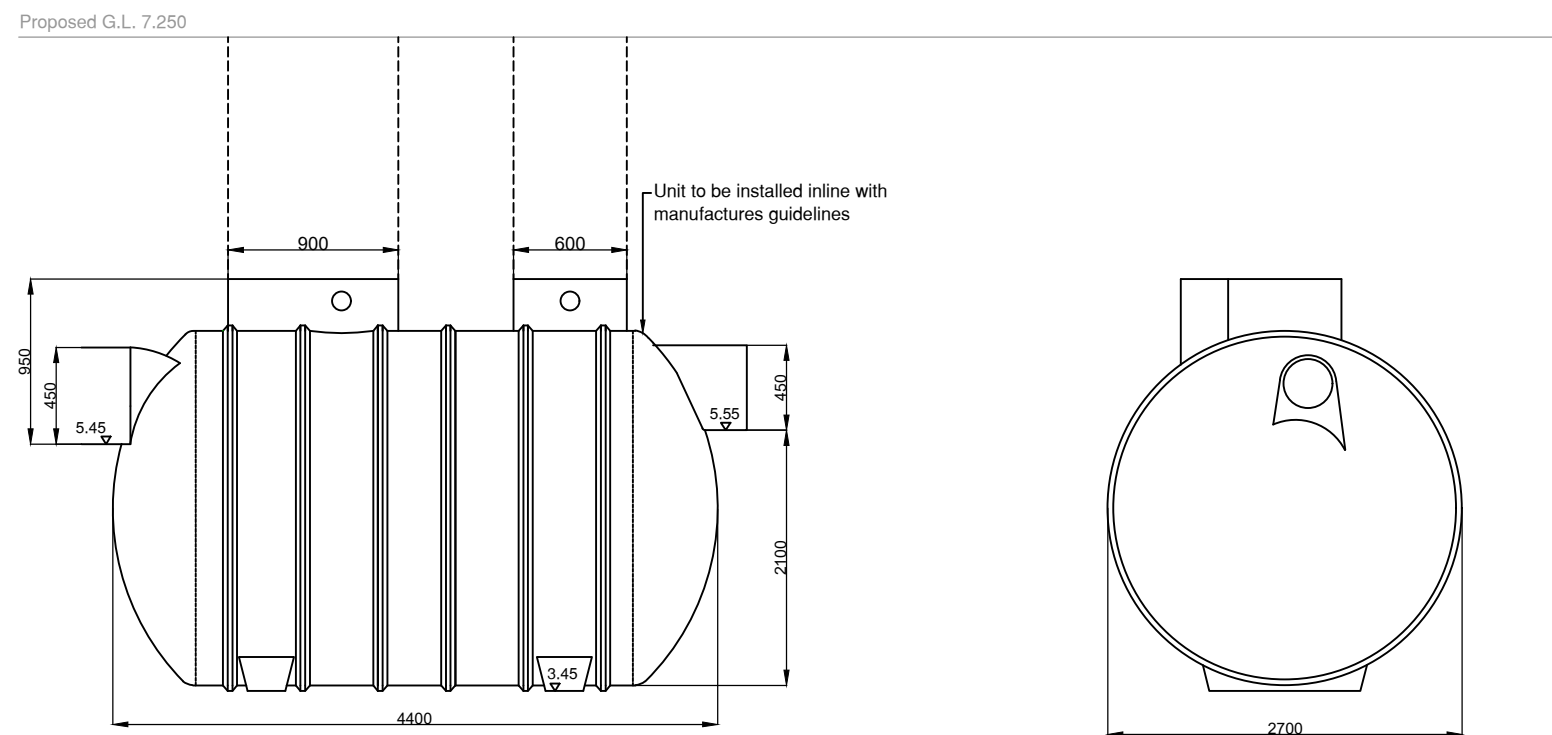
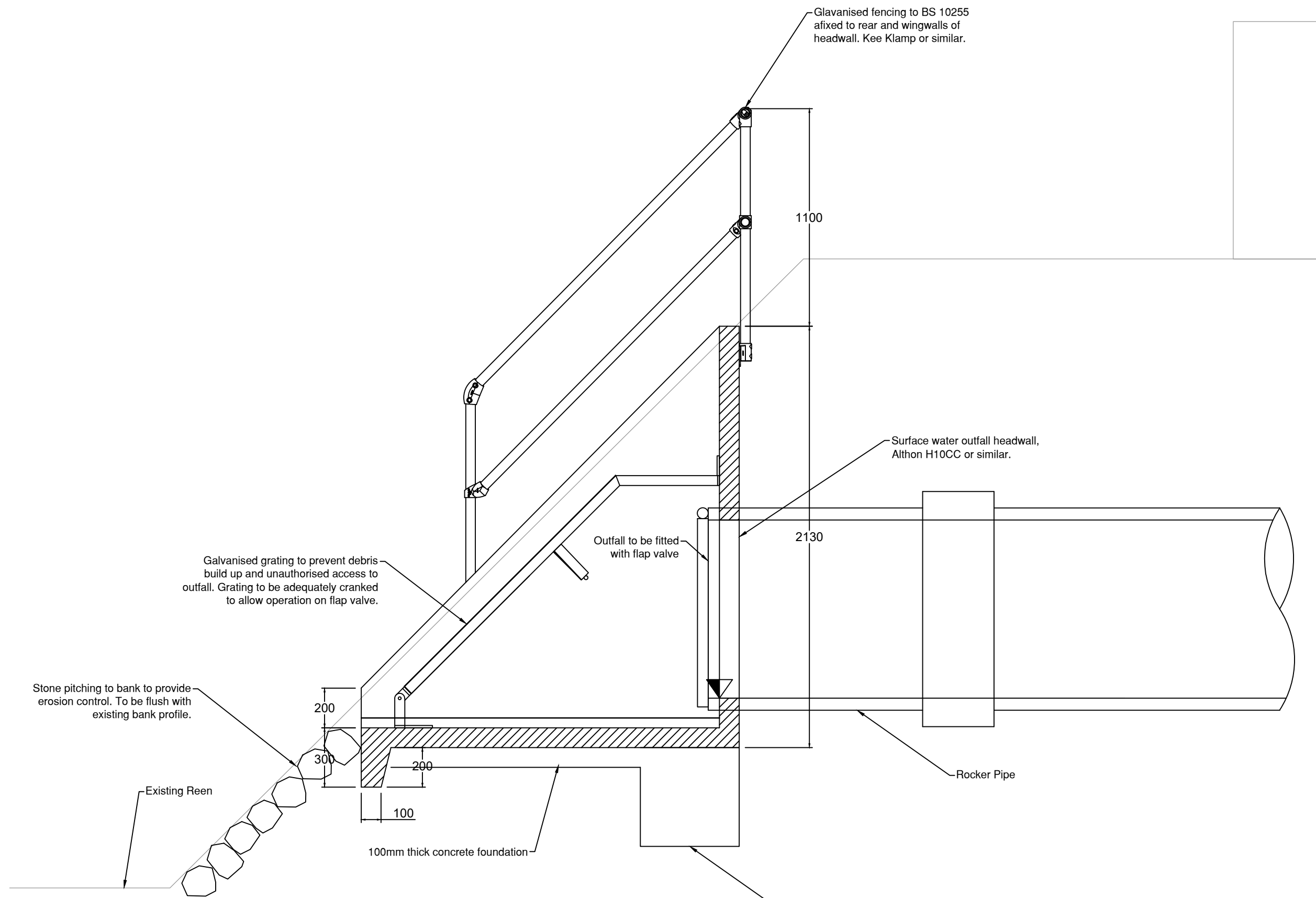
SCALE 1:20



TYPICAL SYPHONIC BREAK CHAMBER

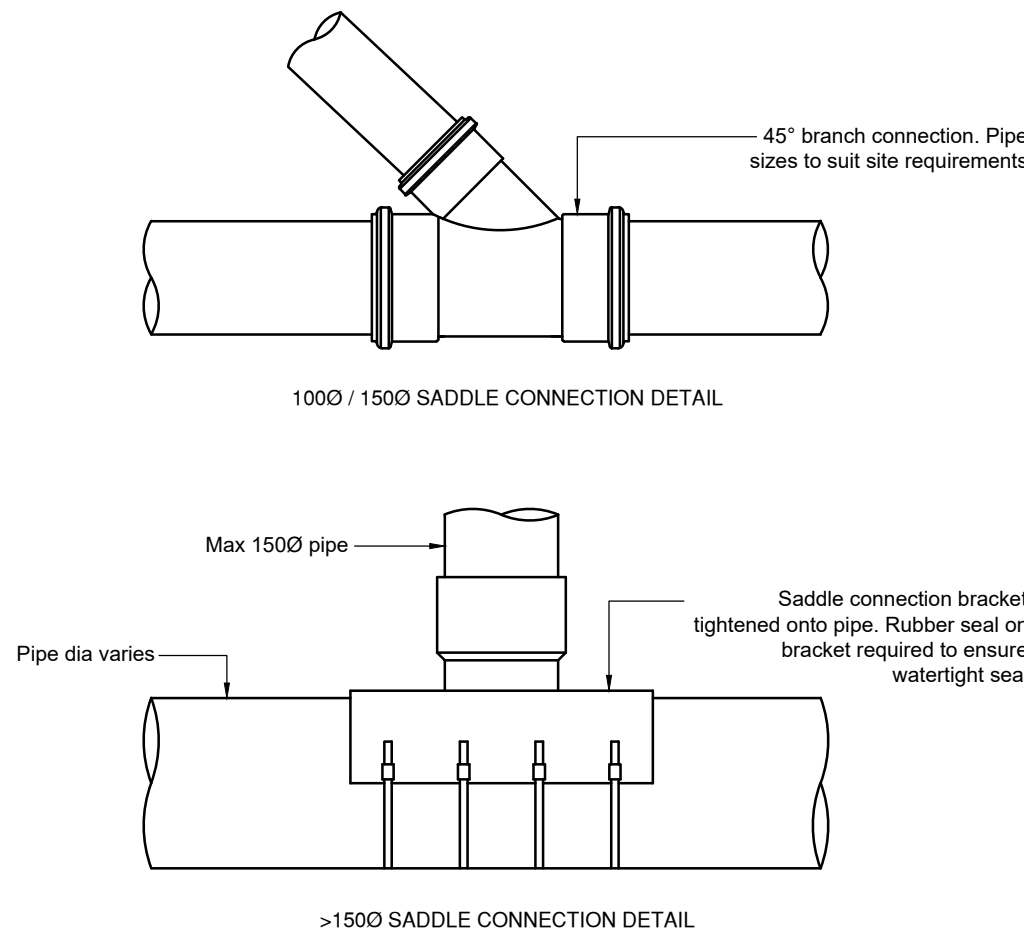
(TBC by Syphonic System designer)

NTS

SPEL Stormceptor ESR
Indicative detail - NTS

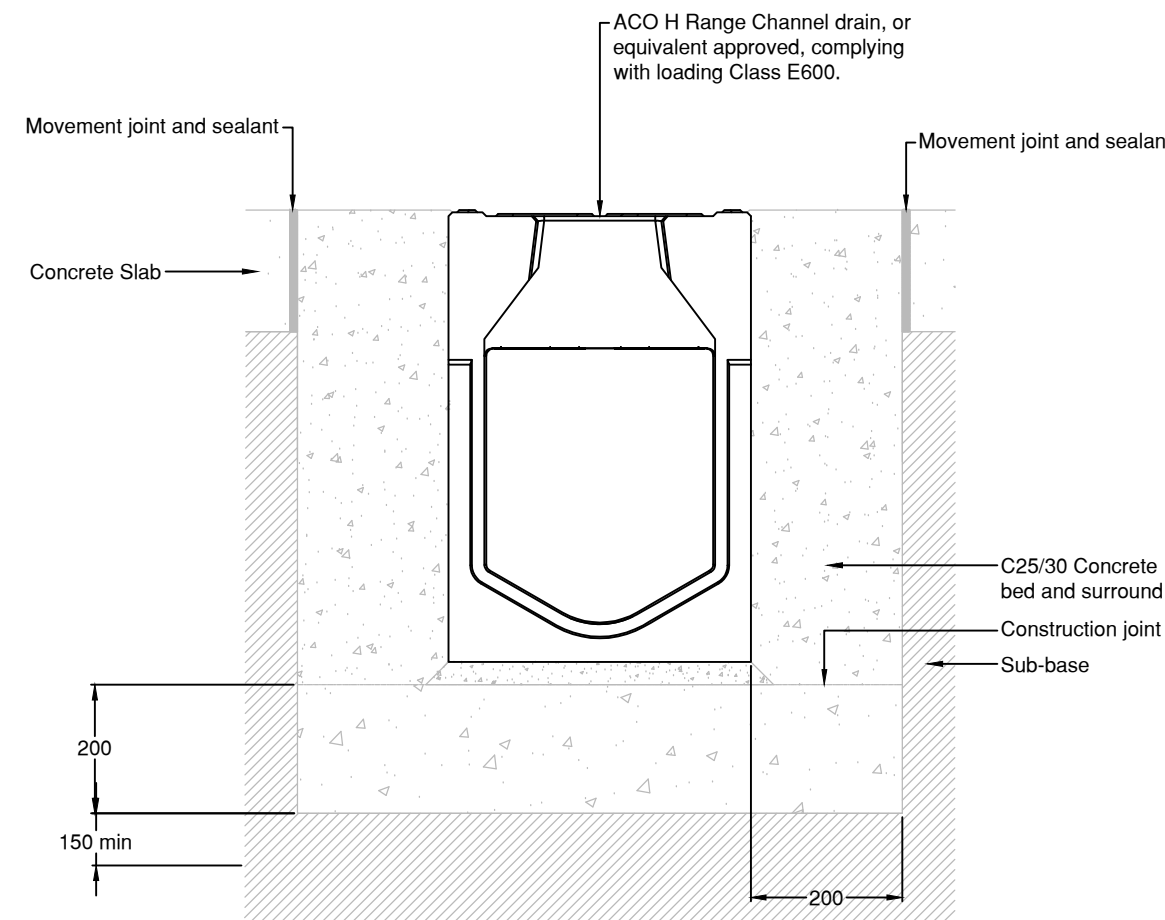
OUTFALL HEADWALL DETAIL

SCALE 1:25



TYPICAL SADDLE CONNECTION DETAILS

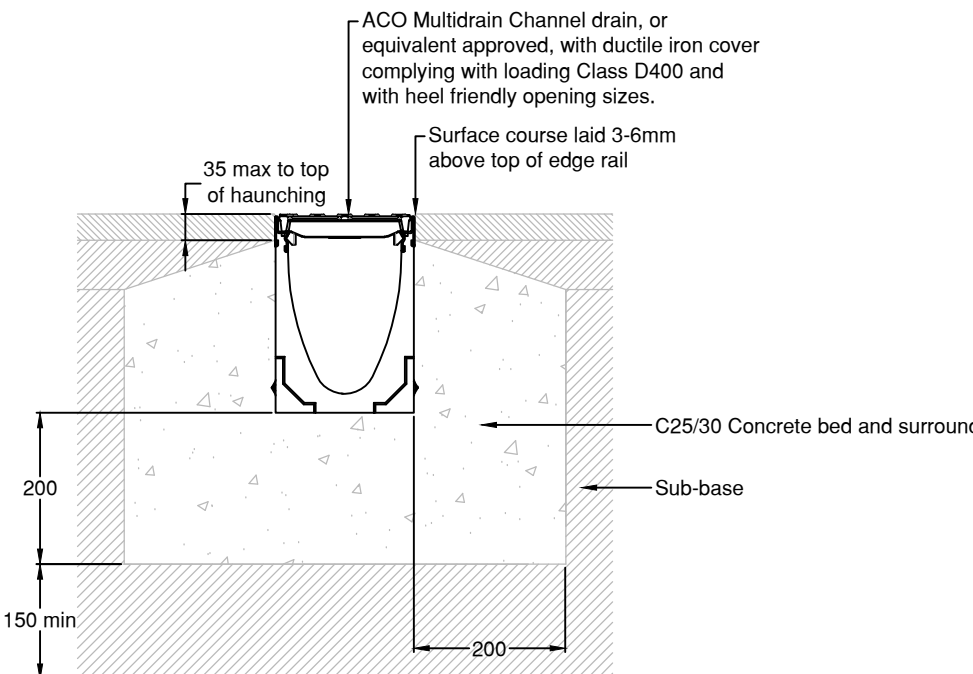
SCALE 1:10



CHANNEL DRAIN - HEAVY VEHICLE

LOADING (SERVICE YARD)

SCALE 1:10



CHANNEL DRAIN - LIGHT VEHICLE

LOADING ONLY (CAR PARKING)

SCALE 1:10

GENERAL NOTES

- DO NOT SCALE.
- This drawing is to be read in conjunction with all other relevant drawings and details.
- Should there be any conflict between the details indicated on this drawing and those on other drawings the Engineer should be informed PRIOR to construction on site.
- Until technical approval has been obtained from the relevant Authority, it should be understood that all drawings issued are Preliminary and NOT for construction. Should the Contractor commence site works prior to such approval being provided it is entirely at their own risk.
- All dimensions are in millimetres unless otherwise stated.
- The Rodgers Leask Designer's Risk Assessment(s) for this project must be reviewed PRIOR to the commencement of any works on site.
- Temporary protection to be provided to drainage work during construction as necessary.
- All drainage work is to be strictly in accordance with the requirements of the Building Regulations 2015, Approved Document Part H, "Drainage and waste disposal".
- This drawing is for planning issue only and is not for construction.

DRAINAGE NOTES

- Ground conditions indicate Design Sulphate Class 4 and Aggressive Chemical Environment Class 4. Concrete specification to be Class DC-4, in compliance with BRE Special Digest 1, unless further testing demonstrates otherwise.
- Refer to Sewerage Sector Guidance Appendix C 'Design and Construction Guidance' document for specification clause references.
- All manholes and inspection chambers situated in areas subject to vehicular loading to have min. class D400 covers and frames to BS EN124 and those not subject to vehicular loading to have class B125 covers and frames.
- The first flexible joint in pipes adjoining a manhole shall be a maximum length of 600mm from the inside face of the manhole, connecting to a rocker pipe. The length of the rocker pipe shall be as follows:

Pipe diameter	Length of Rocker pipe
150-600mm	600mm
675-750mm	1000mm
over 750mm	1250mm

- All pipes, chambers and fittings shall be installed, bedded and backfilled in accordance with the manufacturers instructions.
- Type S bed and surround to be used for all pipework except where depth from finish surface to crown of pipe is:
 - less than 1.2m and subject to trafficking in excess of 7.5tn vehicle weight (eg HGVs), or
 - less than 0.9m generally.In which case Type Z concrete bed and surround should be used.
- The following types of pipe may be used unless noted or agreed otherwise:
 - Pipes up to 300mm to be super strength Vitrified Clay pipes to BS 295.
 - Pipes over 300mm diameter to be Concrete to BS 5911.
- Both Clay and Concrete pipes shall be strength class 120 (100/150mm min crushing strength 28kN/m).
- Pipes which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.23 to 2.25.

P01/21.02.25	First Issue	CB	DB
Rev	Date	Amendments	By
			Chk

RLRE
Consulting Engineers
LIMITED

Indurent

Project
**Indurent Park, Newport
Units 15-18**

Drawing Title
**Drainage Construction Details
Sheet 2 of 3**

Status

For Planning

Scale	Drawn	Checked	Date
As shown	CB	DB	21.02.25

RLL Project/Drawing Number	Revision
24054-RLL-25-XX-DR-C-0112	P01

BIM Drawing Reference

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