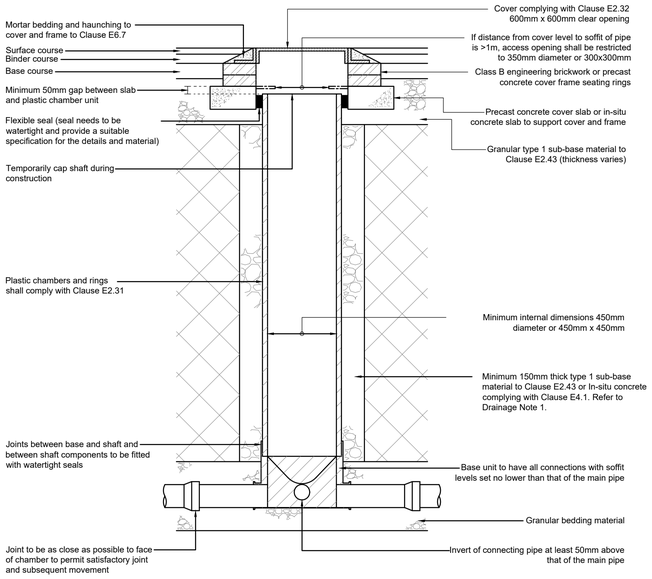
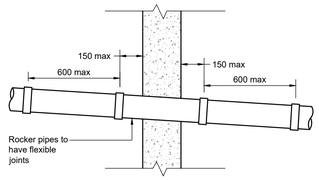
A1



TYPICAL INSPECTION CHAMBER DETAIL - TYPE D

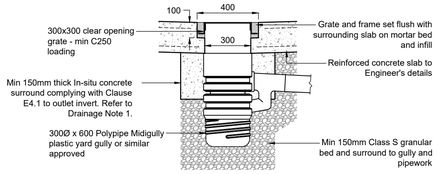
SCALE 1:20

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



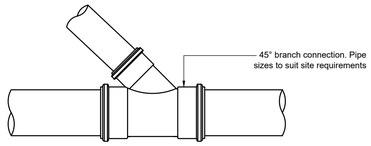
ROCKER PIPE DETAIL THROUGH WALL

SCALE 1:20

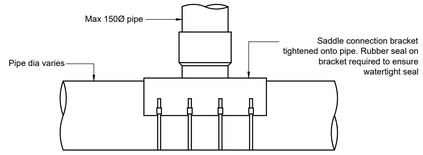


TYPICAL YARD GULLY DETAIL

SCALE 1:20



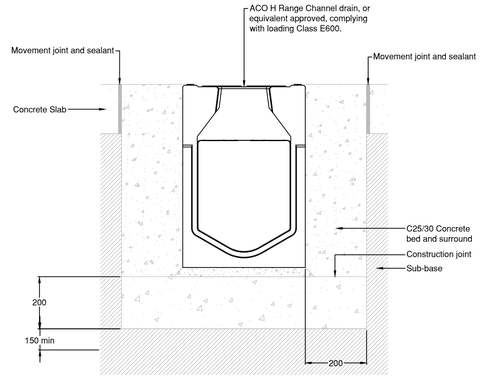
100Ø / 150Ø JUNCTION CONNECTION DETAIL



>150Ø SADDLE CONNECTION DETAIL

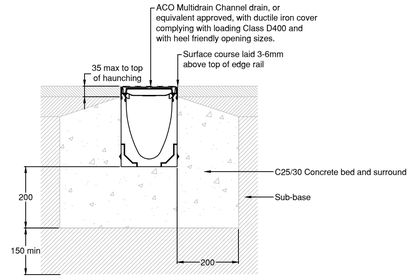
TYPICAL SADDLE & JUNCTION CONNECTION DETAILS

SCALE 1:10



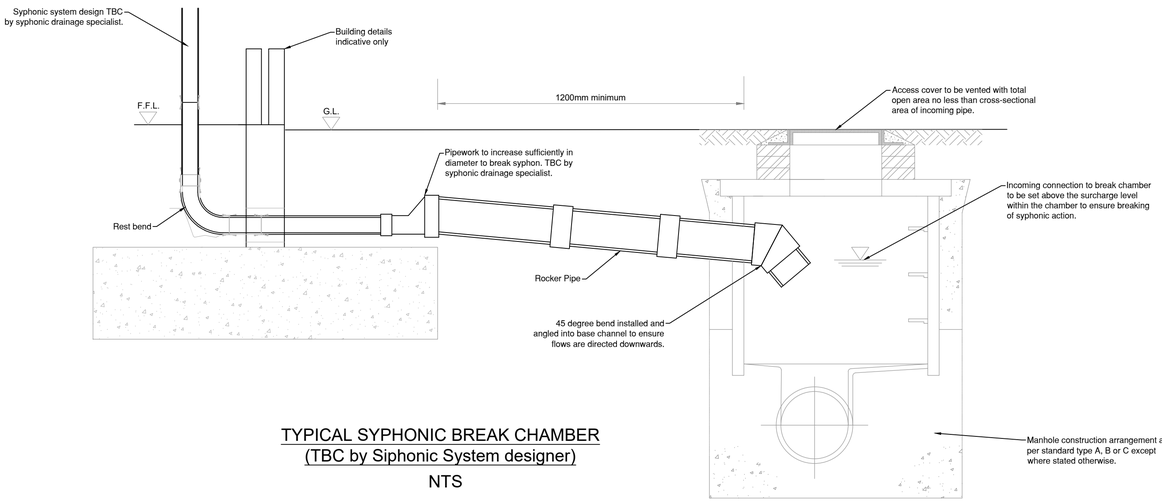
CHANNEL DRAIN - HEAVY VEHICLE LOADING (SERVICE YARD)

SCALE 1:10



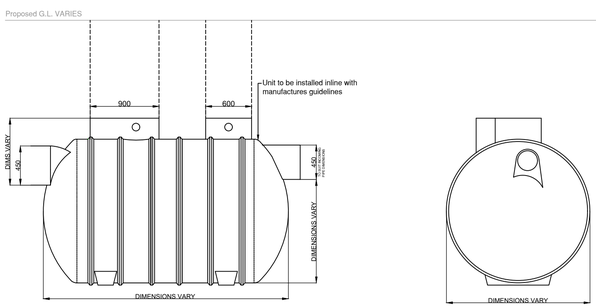
CHANNEL DRAIN - LIGHT VEHICLE LOADING ONLY (CAR PARKING)

SCALE 1:10



TYPICAL SYPHONIC BREAK CHAMBER (TBC by Siphonic System designer)

NTS



SPEL Stormceptor ESR

Indicative detail - NTS

GENERAL NOTES

1. DO NOT SCALE.
2. This drawing is to be read in conjunction with all other relevant drawings and details.
3. 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.
4. 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.
5. All dimensions are in metres unless otherwise stated.
6. The Rodgers Leask Designer's Risk Assessment(s) for this project must be reviewed PRIOR to the commencement of any works on site.

DRAINAGE NOTES

1. 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.
2. Refer to Sewerage Sector Guidance Appendix C 'Design and Construction Guidance' document for specification clause references.
3. 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.
4. 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

5. All pipes, chambers and fittings shall be installed, bedded and backfilled in accordance with the manufacturers instructions.
6. 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 traffficking 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.
5. 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.
6. Both Clay and Concrete pipes shall be strength class 120 (100/150mm min crushing strength 28kN/m).
7. Pipes which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.23 to 2.25.

Rev	Date	Amendments	By	Chk
P02	22.12.25	Updated for planning	TH	DB
P01	03.03.25	First Issue	DP	CJ

RLRE Consulting Engineers

Client
INDURENT

Project
INDURENT PARK, NEWPORT - UNITS 19 - 21

Drawing Title
DRAINAGE CONSTRUCTION DETAILS
SHEET 2 OF 2

Status
FOR PLANNING

Scale	Drawn	Checked	Date
As Shown @ A1	DP	CJ	03.03.25

Drawing Number: 25105-RLL-25-XX-DR-C-2008
Revision: P02

BIM Drawing Reference
-

Scale Bar
1:20 0.2 0.4 0.6 0.8 1.0 1.2 1.4
1:10 100 200 300 400 500 600 700

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