

SOAKAWAY SCHEDULE

Soakaway/Plot Number	Soakaway Size	Catchment Area	Soakaway Base Level
SA 01 (PLOT 01-02)	8.00 x 1.00 x 1.2 dp	190sq.m.	83.48
SA 02 (PLOT 03-04)	7.00 x 1.00 x 1.2 dp	160sq.m.	83.25
SA 03 (PLOT 05-06)	3.00 x 2.00 x 1.2 dp	150sq.m.	83.20
SA 04 (PLOT 07-08)	3.00 x 2.00 x 1.2 dp	150sq.m.	82.92
SA 05 (PLOT 09-11)	9.00 x 1.00 x 1.2 dp	230sq.m.	82.82
SA 06 (PLOT 12-13)	3.00 x 2.00 x 1.2 dp	150sq.m.	83.05
SA 07 (PLOT 14-15)	3.00 x 2.00 x 1.2 dp	150sq.m.	83.22
SA 08 (PLOT 16-18)	9.00 x 1.00 x 1.2 dp	230sq.m.	83.33
SA 09 (PLOT 19-20)	7.00 x 1.00 x 1.2 dp	170sq.m.	83.25
SA 10 (PLOT 21-22)	6.00 x 1.00 x 1.2 dp	150sq.m.	82.49
SA 11 (PLOT 23-24)	7.00 x 1.00 x 1.2 dp	160sq.m.	82.42
SA 12 (PLOT 25-26)	7.00 x 1.00 x 1.2 dp	160sq.m.	82.41
SA 13 (PLOT 27-28)	6.00 x 1.00 x 1.2 dp	150sq.m.	82.31
SA 14 (PLOT 29-30)	3.50 x 2.00 x 1.2 dp	160sq.m.	82.15
SA 15 (PLOT 31-32)	3.50 x 2.00 x 1.2 dp	160sq.m.	82.29
SA 16 (PLOT 33-34)	7.00 x 1.00 x 1.2 dp	160sq.m.	82.48
SA 17 (HIGHWAY)	2x 2.1 Dia 5.25 x 5.25	1400sq.m.	80.35

Design Infiltration Rate = 0.108m/hr

Legend

	Site Boundary
	Existing
	Existing Combined Sewer
	Existing Rising Main
	Existing Gullies
	Existing Highway Soakaway
	Proposed
	Adoptable Foul Sewer
	SABS Adoptable Surface Water Sewer
	Plot Slab Level
	Plot Soakaway
	Silt trap - SABS Adoptable
	Highway Gully
	Surface water drain - Private
	RWP
	Rodding Eye
	Foul Water Drain - Private
	Foul Water Drain - Adoptable
	SVP
	BIG
	ACO Drain

Design based on Layout:
HBCM-TACP-PS-00-DR-A-701, Heol Berwyn
Cefn Mawr, Site Plan, dated 16.09.20
Rev: F
Grid/Level datum based on Topo:
B0005/3250/1, Heol Berwyn, Wrexham,
dated 17.02.21
Rev: A

APPROVAL

G	30.07.21	Boundary & Soakaway Updated	PW	AJ
F	01.07.21	Boundary Updated	PW	AJ
E	05.05.21	Updated to suit Client Comments	PW	AJ
D	17.03.21	ACO's added and Foul Inverts updated	PW	AJ
C	12.02.21	Existing combined sewer and rising main added	PW	AJ
B	15.01.21	Updated Soakaway sizes	PW	AJ
A	06.01.21	Updated SAB details	PW	AJ
Rev.	Date	Revision	By	Appd.

coopers
chartered consulting engineers

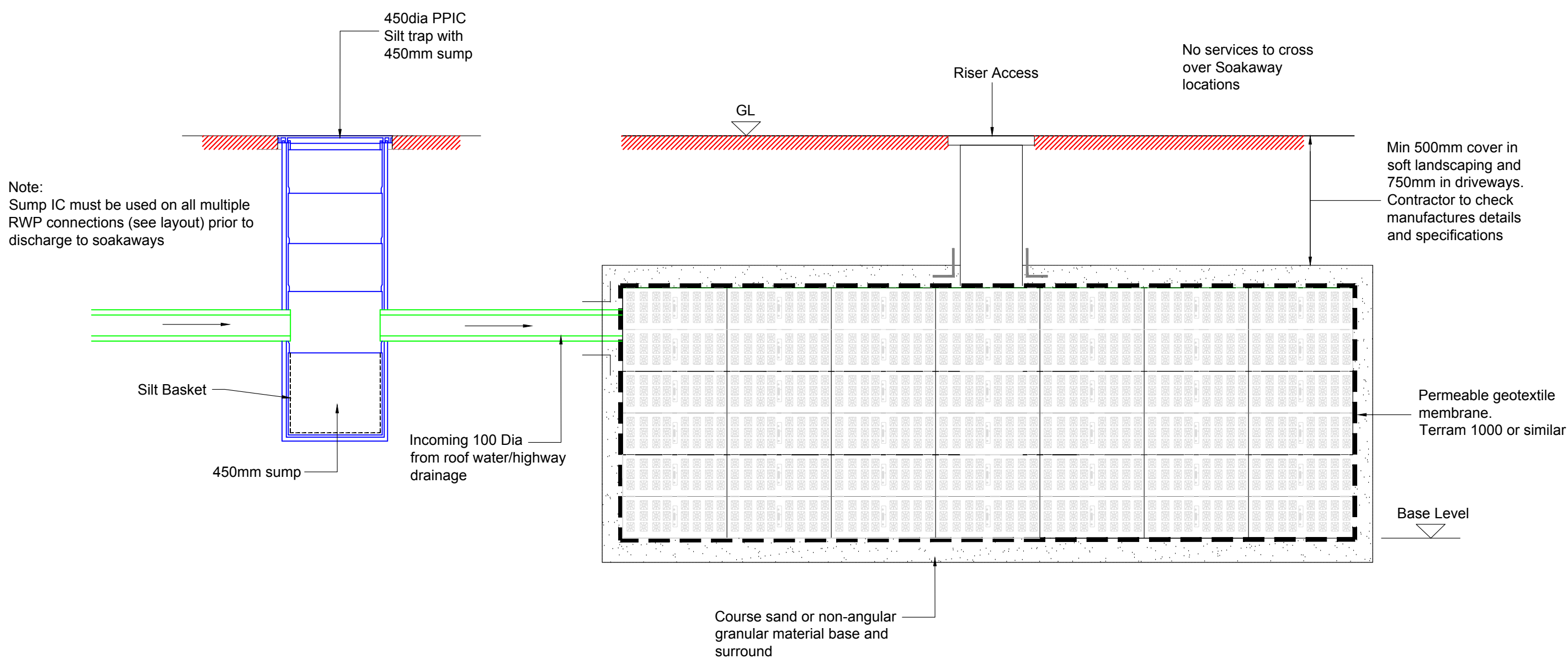
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Client
ANWYL
thoughtful homes

Project
**WRENBURY WAY, CEFN MAWR
WREXHAM**

Title
Surface Water SUDS Details

DRAWING NUMBER	SCALE at A0	1:250
7187 / 10	DATE	29.10.20
	DRAWN	PW
	CHECKED	AJ
		G



Typical Geocellular Tank Soakaway System
Section (1:20)

AquaCell or similar approved with riser access for inspections and future maintenance

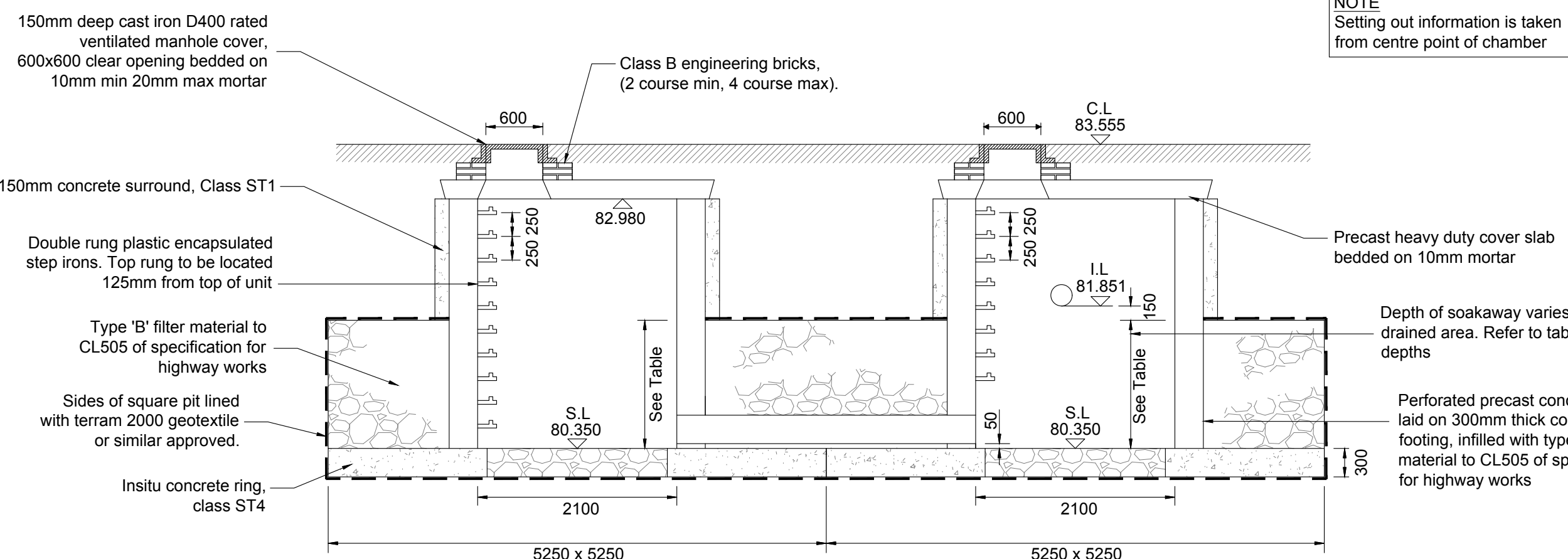
General Notes

- Contractor to propose a suitable construction sequence for the soakaway construction and develop a detailed method statement.
- Excavation sides to adequately supported.
- Contractor to work in accordance with best practice ensuring all personnel have adequate PPE and confined space training.
- Excavation/plant to be secure from general public at all times
- Safe access and egress to be provided.

Soakway Notes

- Soakways to be located entirely within suitable permeable strata
- All soakways to be located a minimum of 5m from foundations

Soakaway designed for a 100 yr + 40% CC return period
Infiltration rate 0.108m/hr
used for design
Refer to schedule for sizes and locations.



SECTION THROUGH HIGHWAY SOAKAWAY CHAMBER

SCALE: 1:50

Soakaway Ref.	Area Drained Sq.m	Type	Number	Diameter m	Pit Size m	Depth m	Cover Level m	Invert Level m	Sump Level m	Easting	Northing
SA17	1410	Ring SA	2	2.10	5.25	1.479	83.555	81.851	80.350	957.939	2962.143

HIGHWAY SOAKAWAY DESIGN

0 5 10 15 20 25 30 35 40 45 50
SCALE BAR (m)