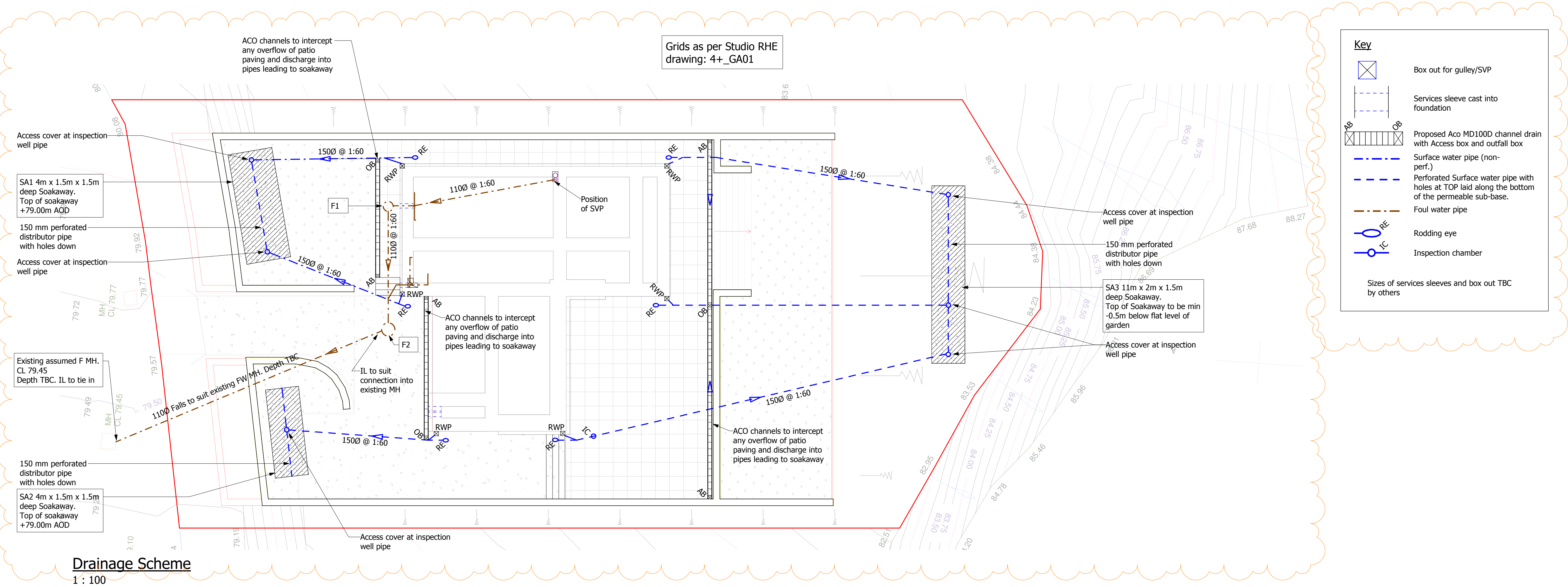




Drainage Scheme

1 : 100

Manhole Schedule														
Foul Water				Incoming pipes			Outgoing pipes			Foul Inspection Chamber			Coordinates	
Ref	Cover Level	MH Depth	Sump Level	No.	Il	Dia	no.	Il	Dia	Dia.	Material	Cover	Easting	Northing
F1	81.290	600	TBC	1	80.69	110	1	79.94	110	450	uPVC	B125	278544.316	191679.616
				2	80.69	110								
F2	80.540	690	TBC	1	79.94	110	1	79.85	110	450	uPVC	B125	278538.778	191679.227
				2	79.94	110								

All pipe lengths shown are horizontal & for information only - final setting out based on coordinates/IL Levels and site setting out info.

Drainage strategy

- The roof rainwater discharges to gravel filled soakaway trenches designed in accordance with BRE 365.
- The rear soakways also services the strip of patio to the east of the building. Permeable paving is not being installed here as the discharge area would be confined by the house foundations and the retaining wall.
- The pipes from the RWP's to the soakaways are perforated with the holes to the top where they pass through the permeable sub-base of the permeable paving areas. The intention is that if the permeable sub-base is filled up then there is an emergency back-up discharge into the soakaways.

Suds Maintenance

The following maintenance regime should be implemented, based on Ciria Report 753 The SuDs Manual 2015.

Permeable Block Paving

Key Maintenance Requirements: Regular brushing and vacuuming

Regular inspection and maintenance is important for the effective operation of permeable pavements, they should be inspected regularly, preferably during and after heavy rainfall to check effective operation and to identify any areas of ponding.

Permeable block paving needs to be regularly cleaned of silt and other sediments to preserve its infiltration capability, it should therefore have a minimum of three surface sweepings per year:

- End of winter (April) – to collect winter debris.
- Mid-summer (July/August) – to collect dust, flower and grass-type deposits.
- After autumn leaf fall (November).

Care should be taken in adjusting vacuuming equipment to avoid removal of jointing material. In instances where jointing material is lost, this material this should be replaced immediately.

Gravel filled soakaways

Key Maintenance Requirements:

- Debris/silt removal
- Inspection of inlets.

This should be carried out a bi- monthly basis and following any stormy weather when large amounts of leaves are likely to accumulate.

Notes

- If in doubt, ask the Project Lead.
- Do not scale this drawing.
- All dimensions are in millimetres unless stated otherwise.
- This drawing is to be read in conjunction with all other relevant drawings and specifications.

Drainage Notes

- All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations
- Main contractor to locate existing services within areas of excavation prior to commencing excavation works and must comply with HSG 47 'Avoiding Danger from underground Services) when excavating around existing services
- Main contractor to provide appropriate protection to existing drainage during the construction phase to avoid damage by site traffic.
- All drainage trenches in trafficked areas shall be backfilled using type 1 sub-base material to Specification for Highway Work (SHW) Clause 803
- All frames shall be Class B125 unless noted otherwise
- All ironwork shall be kite marked by BSI or certified by an equal inspection authority
- Manhole components shall be to BS EN 1917:2002
- Refer to drawing 190036-WDK-00-00-DR-D-33011 for drainage details

P02	Drainage scheme amended	E.W	NYI
P01	First Issue	E.W	15.08.19
Rev	Amendments	Rev'd By	Date

Client



Project
nHouse4+ Foundations and Drainage,
Port Talbot

Title
Drainage Strategy Plan

Project	Originator	Volume	Level	Type	Role	Number
190036 - WDK - 00 - SI - DR - D - 33010						
Internal Project Reference 190036						
Suitability Suitable For S0 - Initial Stage or WIP						
Scale	Created	Revision				
As indicated @ A1	14.08.19	P02				
Project Lead	Drawn	E.W	Checked	M.S		
W.C	Reviewed	W.C	Approved for Issue	S.D		

