

Superseded

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

Project	nHouse4+ Foundations and Drainage, Port Talbot
Title	Drainage Strategy Plan

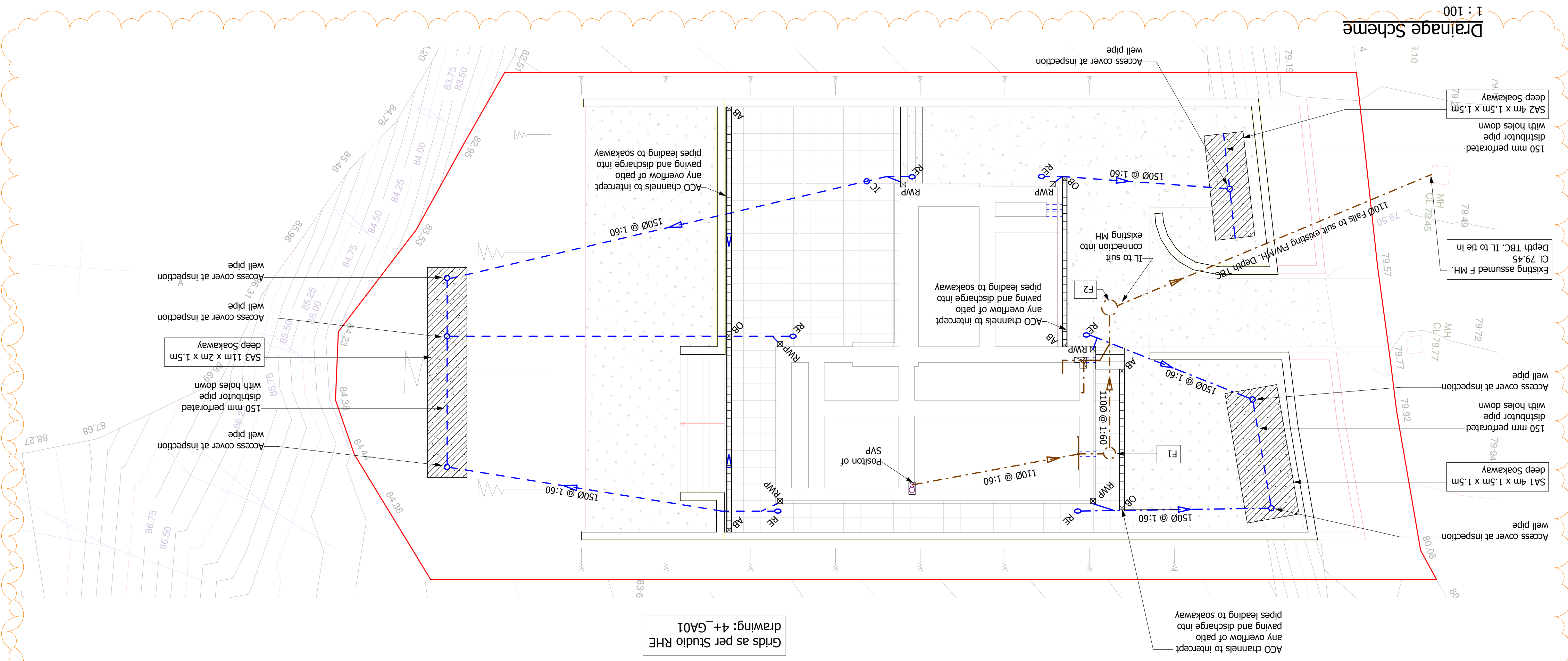
Client	 LESKO MODULAR GROUP LIMITED
Rev	Amendments
P01	First Issue
P02	Drainage scheme amended
	E.W Rev'd By Date 15.08.19

[illegible]

Drainage strategy

- The roof rainwater discharges to gravel filled soakaway trenches designed in accordance with BRE 365.
- The rear soakaway 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 RWPs 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 a back-up discharge into the soakaways.

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



The diagram illustrates various types of sleeves and boxes used in trenchless construction, categorized into two main groups: 'SIZES OF SERVICES SLEEVES AND BOX OUT TBC' and 'KEY'.

SIZES OF SERVICES SLEEVES AND BOX OUT TBC

- Inspection chamber**: A blue circle with a horizontal line through its center.
- Rodding eye**: A blue oval with a horizontal line through its center.
- Foul water pipe**: A blue dashed line.
- Perforated surface water pipe with holes at TOP laid along the bottom**: A blue dashed line with small circles representing holes.
- Surface water pipe (non-perf.)**: A solid blue line.
- Proposed Aco MD100HD channel drain with access box and outfall box**: A cross-section diagram of a channel drain with a central access box and two outfall boxes on either side.
- Services sleeve cast into foundation**: A blue dashed line with a cross-section diagram of a sleeve cast into a foundation.
- Box out for gully/SVP**: A blue square with a diagonal cross.

KEY

The key indicates that the blue dashed line represents the 'SIZES OF SERVICES SLEEVES AND BOX OUT TBC'.

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|----------------|----|--|
| Notes | 1. | If in doubt, ask the Project Lead. |
| | 2. | Do not scale this drawing. |
| | 3. | All dimensions are in millimeters unless stated otherwise. |
| | 4. | This drawing is to be read in conjunction with all other relevant drawings and specifications. |
| Drainage Notes | 1. | All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations |
| | 2. | Main contractor to locate existing services within areas of excavation prior to commencing excavation works |
| | 3. | Main contractor to provide appropriate protection to existing services |
| | 4. | Main contractor to provide appropriate protection to existing drainage during the construction phase to avoid damage by site traffic |
| | 5. | All drainage trenches in parkway areas shall be backfilled using type 1 sub-base material to Class 803 specification for Thinway Work (CIVIL) Clause 603 |
| | 6. | All newwork shall be like marked by BS1 or certified by an equal inspection authority |
| | 7. | Manhole components shall be BS EN 1917:2002 |
| | 8. | Refer to drawing 130036-WDK-00-00-DR-D-3011 for drainage details |