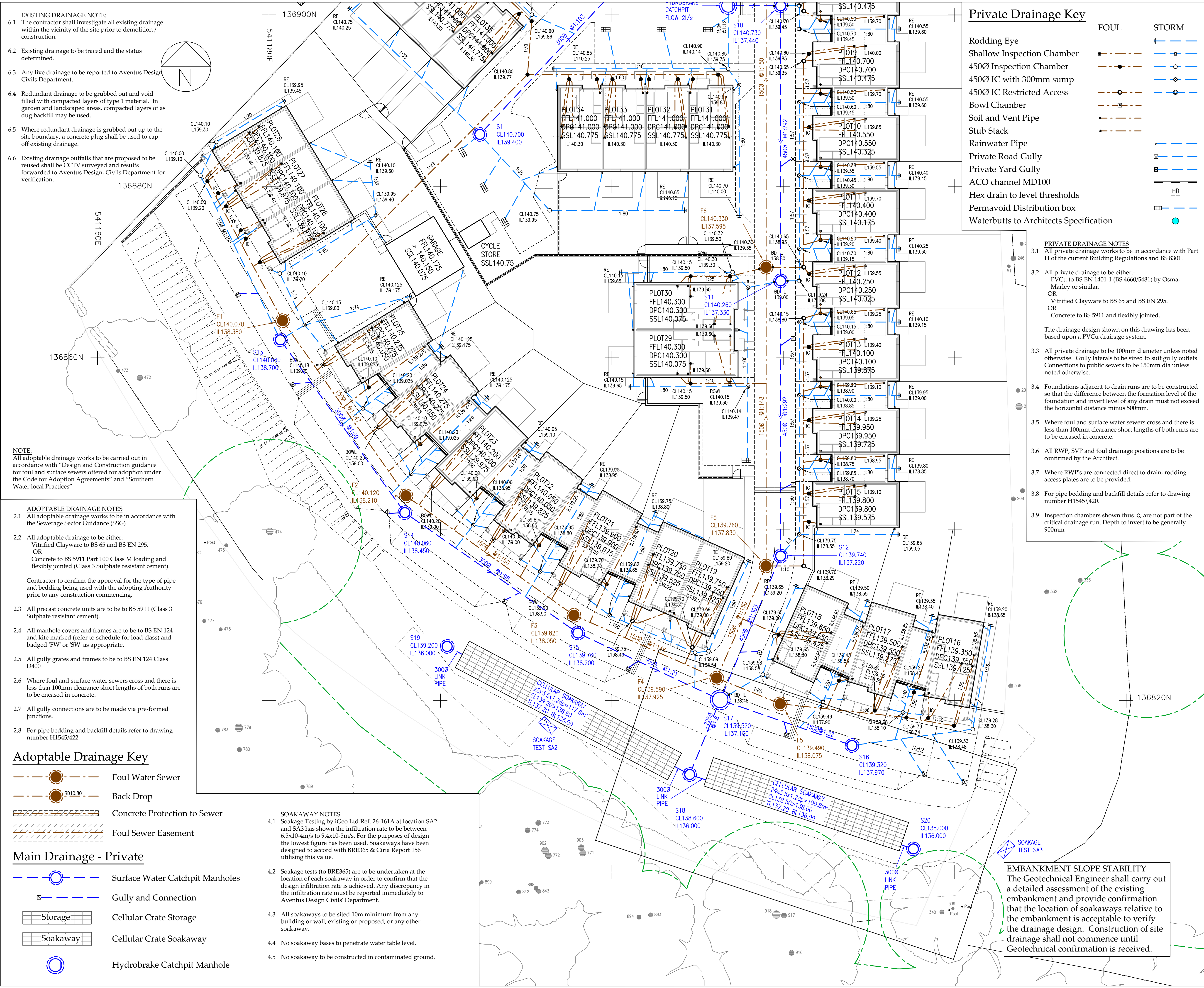




- EXISTING DRAINAGE NOTE:**
- 6.1 The contractor shall investigate all existing drainage within the vicinity of the site prior to demolition / construction.
 - 6.2 Existing drainage to be traced and the status determined.
 - 6.3 Any live drainage to be reported to Aventus Design Civils Department.
 - 6.4 Redundant drainage to be grubbed out and void filled with compacted layers of type 1 material. In garden and landscaped areas, compacted layers of as dug backfill may be used.
 - 6.5 Where redundant drainage is grubbed out up to the site boundary, a concrete plug shall be used to cap off existing drainage.
 - 6.6 Existing drainage outfalls that are proposed to be reused shall be CCTV surveyed and results forwarded to Aventus Design, Civils Department for verification.

NOTE:
All adoptable drainage works to be carried out in accordance with "Design and Construction guidance for foul and surface sewers offered for adoption under the Code for Adoption Agreements" and "Southern Water local Practices"

- ADOPTABLE DRAINAGE NOTES**
- 2.1 All adoptable drainage works to be in accordance with the Sewerage Sector Guidance (SSG)
 - 2.2 All adoptable drainage to be either:-
Vitrified Clayware to BS 65 and BS EN 295.
OR
Concrete to BS 5911 Part 100 Class M loading and flexibly jointed (Class 3 Sulphate resistant cement).
 - Contractor to confirm the approval for the type of pipe and bedding being used with the adopting Authority prior to any construction commencing.
 - 2.3 All precast concrete units are to be to BS 5911 (Class 3 Sulphate resistant cement).
 - 2.4 All manhole covers and frames are to be to BS EN 124 and kite marked (refer to schedule for load class) and badged 'FW' or 'SW' as appropriate.
 - 2.5 All gully grates and frames to be to BS EN 124 Class D400
 - 2.6 Where foul and surface water sewers cross and there is less than 100mm clearance short lengths of both runs are to be encased in concrete.
 - 2.7 All gully connections are to be made via pre-formed junctions.
 - 2.8 For pipe bedding and backfill details refer to drawing number H1545/422

- Adoptable Drainage Key**
- Foul Water Sewer
 - Back Drop
 - Concrete Protection to Sewer
 - Foul Sewer Easement

- Main Drainage - Private**
- Surface Water Catchpit Manholes
 - Gully and Connection
 - Cellular Crate Storage
 - Cellular Crate Soakaway
 - Hydrobrake Catchpit Manhole

- SOAKAWAY NOTES**
- 4.1 Soakage Testing by iGeo Ltd Ref: 26-161A at location SA2 and SA3 has shown the infiltration rate to be between 6.5x10-4m/s to 9.4x10-5m/s. For the purposes of design the lowest figure has been used. Soakaways have been designed to accord with BRE365 & Ciria Report 156 utilising this value.
 - 4.2 Soakage tests (to BRE365) are to be undertaken at the location of each soakaway in order to confirm that the design infiltration rate is achieved. Any discrepancy in the infiltration rate must be reported immediately to Aventus Design Civils' Department.
 - 4.3 All soakaways to be sited 10m minimum from any building or wall, existing or proposed, or any other soakaway.
 - 4.4 No soakaway bases to penetrate water table level.
 - 4.5 No soakaway to be constructed in contaminated ground.

- Private Drainage Key**
- Rodding Eye
 - Shallow Inspection Chamber
 - 450Ø Inspection Chamber
 - 450Ø IC with 300mm sump
 - 450Ø IC Restricted Access
 - Bowl Chamber
 - Soil and Vent Pipe
 - Stub Stack
 - Rainwater Pipe
 - Private Road Gully
 - Private Yard Gully
 - ACO channel MD100
 - Hex drain to level thresholds
 - Permavoid Distribution box
 - Waterbutts to Architects Specification

- PRIVATE DRAINAGE NOTES**
- 3.1 All private drainage works to be in accordance with Part H of the current Building Regulations and BS 8301.
 - 3.2 All private drainage to be either:-
PVCu to BS EN 1401-1 (BS 4660/5481) by Osma, Marley or similar.
OR
Vitrified Clayware to BS 65 and BS EN 295.
OR
Concrete to BS 5911 and flexibly jointed.
 - The drainage design shown on this drawing has been based upon a PVCu drainage system.
 - 3.3 All private drainage to be 100mm diameter unless noted otherwise. Gully laterals to be sized to suit gully outlets. Connections to public sewers to be 150mm dia unless noted otherwise.
 - 3.4 Foundations adjacent to drain runs are to be constructed so that the difference between the formation level of the foundation and invert level of any drain must not exceed the horizontal distance minus 500mm.
 - 3.5 Where foul and surface water sewers cross and there is less than 100mm clearance short lengths of both runs are to be encased in concrete.
 - 3.6 All RWP, SVP and foul drainage positions are to be confirmed by the Architect.
 - 3.7 Where RWP's are connected direct to drain, rodding access plates are to be provided.
 - 3.8 For pipe bedding and backfill details refer to drawing number H1545\420.
 - 3.9 Inspection chambers shown thus IC, are not part of the critical drainage run. Depth to invert to be generally 900mm

- Notes:**
- 1.1 Do not scale from this drawing.
 - 1.2 All dimensions are in m unless otherwise specified.
 - 1.3 In case of any discrepancies in drawings or details refer to engineer for clarification. Unilateral decisions by the contractor will not be accepted.
 - 1.4 This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
 - 1.5 The Contractor is to ensure that all design drawings and information are read concurrently and any discrepancies or omissions reported directly to Aventus Design.
 - 1.6 This drawing is based upon the survey by CD Surveys Ltd, reference AG/1710036/1, 2 & 3 REV B, dated March 2018 provided in digital format.
 - 1.7 Levels are based on an OS GNSS Datum OSGB36.
 - 1.8 The grid co-ordinates are based on an OS GNSS System.
 - 1.9 The Contractor must check the levels of all existing drainage outfalls prior to construction of any drainage, unless otherwise agreed, to ensure the proposed design may be achieved. Any discrepancies must be reported immediately to Aventus Design.
 - 1.10 Sulphates have been determined as class 1 (DS-1) for design purposes in accordance with BRE Special Digest 1 (2001). Buried Concrete to be in accordance with ACEC Site Class AC-1.
 - 1.11 All external building dimensions are to be checked against the Architects drawings prior to any construction commencing.
 - 1.12 All adoptable highway works to be in accordance with the Local Authorities Specifications.
 - 1.13 All adoptable drainage works to be in accordance with the Water Authorities standard guidelines for connections etc.
 - 1.14 Formation to road/hardstanding to be proof rolled and any soft spots in subgrade of road/Hardstanding areas are to be excavated and replaced with well compacted sub-base or free draining granular material to Department of Transport Specification for Highway Works Part 2' Table 6/1 Class 1 (General Granular Fill) and compacted in accordance with Table 6/4.

CDM REGULATIONS 2015
Aventus Design have considered and where reasonably practicable avoided foreseeable risks in the preparation of the design shown on this and related drawings. Significant risks which remain and associated control measures are identified in the Risk Register and should be given particular attention by the main contractor on site.

RISKS RELATING TO THIS DRAWING:
RISK NUMBERS 7 - 11 on Risk Register
NOTE: The Risk Register records only those elements considered unusual, difficult to manage or outside the anticipated expertise of a competent contractor.

Drawing Status	PRELIMINARY ISSUE	
Client:	Antler Homes	
Site:	Wealden House, Lewes Road, Ashurst Wood, West Sussex, RH19 3TB	
Title:	Site Layout & Drainage 2 of 2	
Drawing no.	H1545 - 404	
Issue:	Scale: 1:200 @ A1	Checked: JPP Date: Dec '25
C	Drw: C.U. Date: Oct '25	Approve: S.U. Date: Dec '25

EMBANKMENT SLOPE STABILITY
The Geotechnical Engineer shall carry out a detailed assessment of the existing embankment and provide confirmation that the location of soakaways relative to the embankment is acceptable to verify the drainage design. Construction of site drainage shall not commence until Geotechnical confirmation is received.

ORIGINAL SIZE - A1