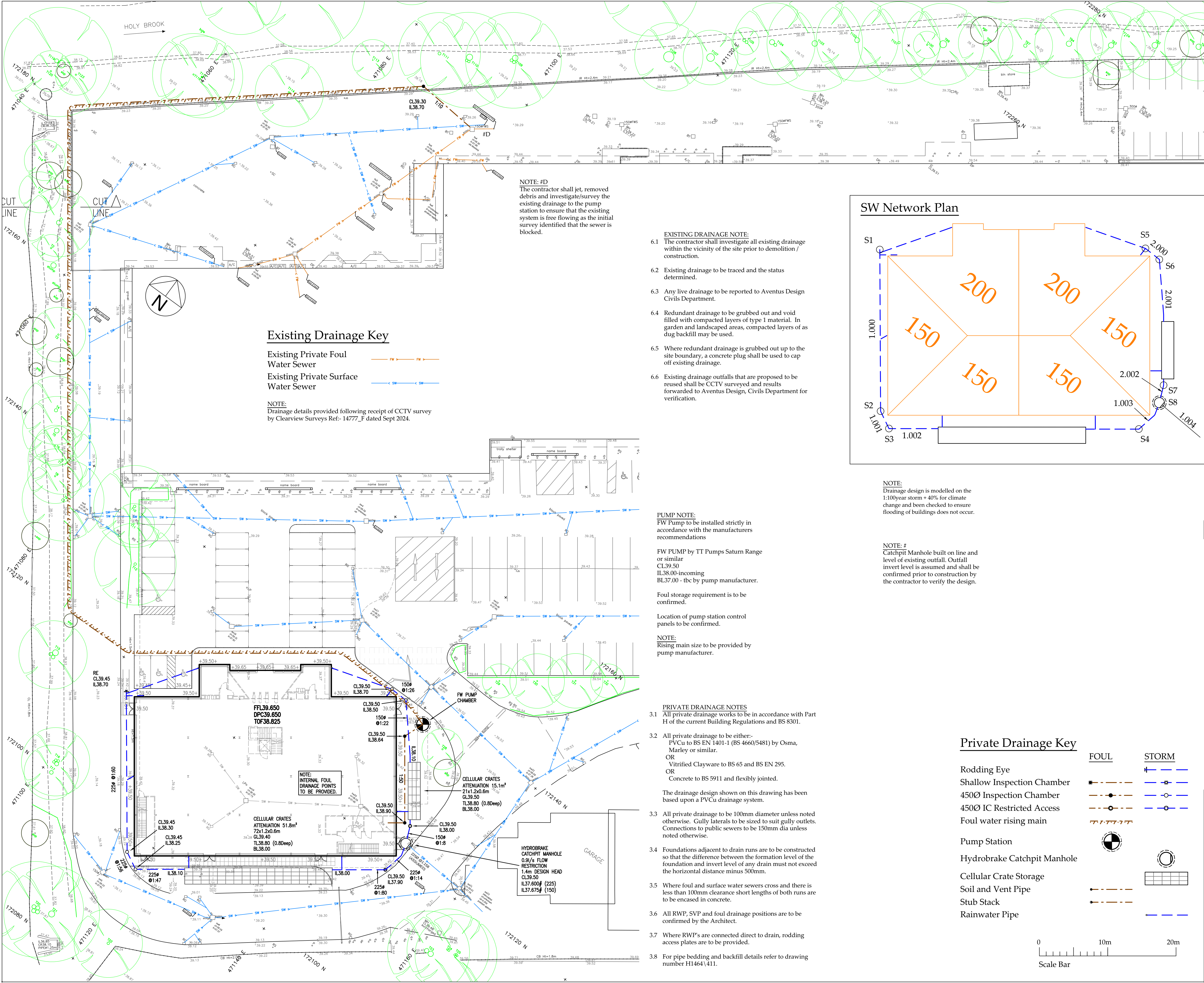




Existing Drainage Key

Existing Private Foul Water Sewer
Existing Private Surface Water Sewer

NOTE:
Drainage details provided following receipt of CCTV survey by Clearview Surveys Ref:- 14777_F dated Sept 2024.

NOTE: #D
The contractor shall jet, removed debris and investigate/survey the existing drainage to the pump station to ensure that the existing system is free flowing as the initial survey identified that the sewer is blocked.

- 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.

PUMP NOTE:
FW Pump to be installed strictly in accordance with the manufacturers recommendations

FW PUMP by TT Pumps Saturn Range or similar
CL39.50
IL38.00-incoming
BL37.00 - the by pump manufacturer.

Foul storage requirement is to be confirmed.

Location of pump station control panels to be confirmed.

NOTE:
Rising main size to be provided by pump manufacturer.

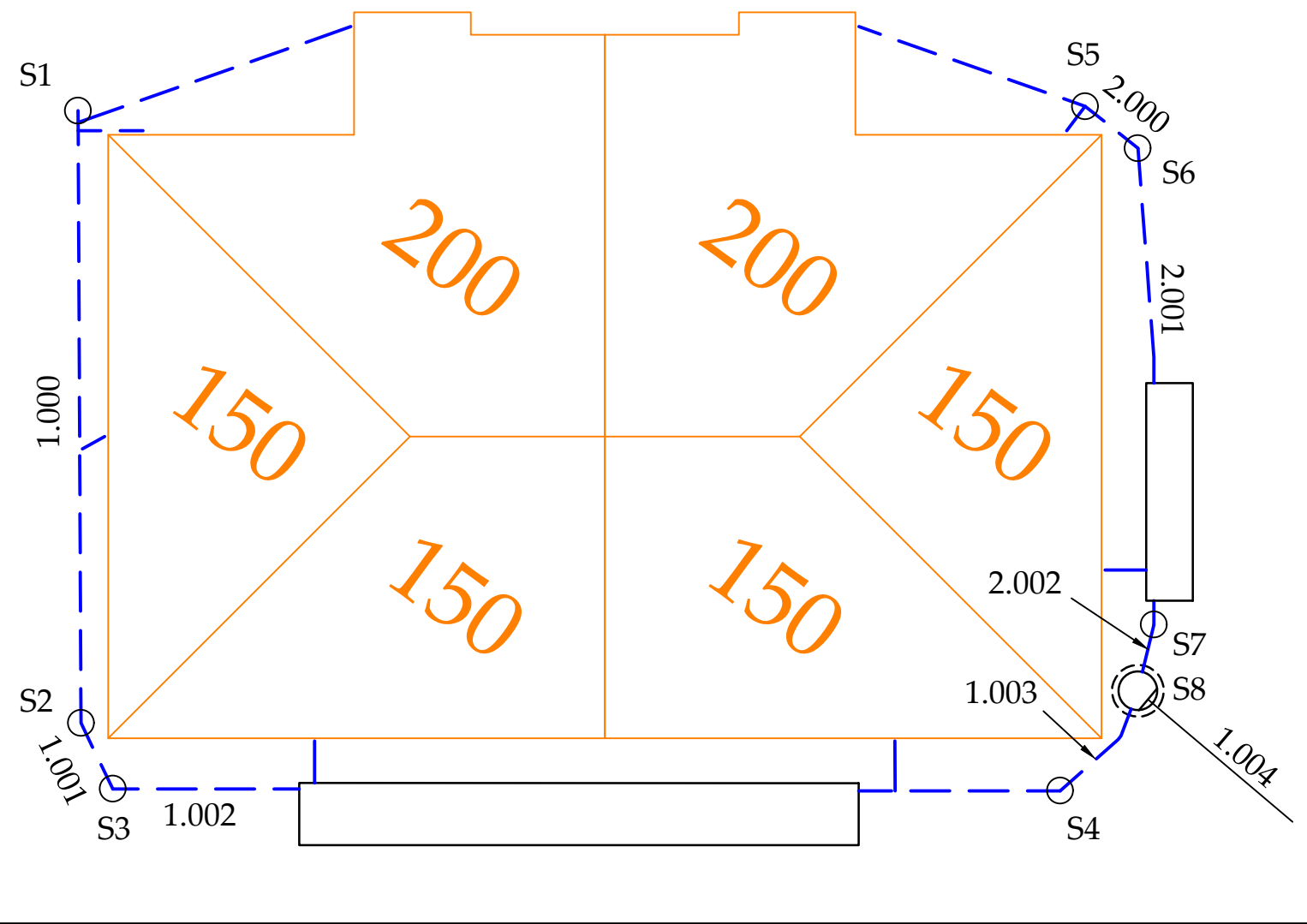
PRIVATE DRAINAGE NOTES

- 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 H1464\411.

SW Network Plan



NOTE:
Drainage design is modelled on the 1:100year storm + 40% for climate change and been checked to ensure flooding of buildings does not occur.

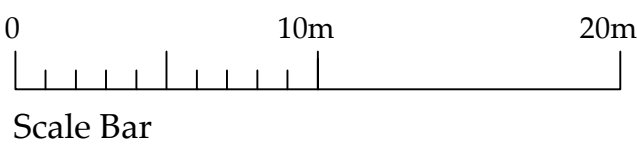
NOTE: #
Catchpit Manhole built on line and level of existing outfall. Outfall invert level is assumed and shall be confirmed prior to construction by the contractor to verify the design.

Private Drainage Key

Rodding Eye
Shallow Inspection Chamber
450Ø Inspection Chamber
450Ø IC Restricted Access
Foul water rising main

Pump Station
Hydrobrake Catchpit Manhole
Cellular Crate Storage
Soil and Vent Pipe
Stub Stack
Rainwater Pipe

FOUL	STORM



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 Ground Surveys Ltd, reference 6765 - Drawings 1-4 dated October 2017 provided in digital format.
- 1.7 Levels are based on Ordnance Survey National Grid (OSTN15).
- 1.8 The grid relates to Ordnance Survey (OSGM15).
- 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-2) for design purposes in accordance with BRE Special Digest 1 (2001). Buried Concrete to be in accordance with ACEC Site Class AC-2.
- 1.11 All external building dimensions are to be checked against the Architects drawings prior to any construction commencing.
- 1.12 All adoptable drainage works to be in accordance with the Water Authorities standard guidelines for connections etc.
- 1.13 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 N/A 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		PLANNING ISSUE			

50mm
100mm
150mm
200mm
250mm
ORIGINAL SIZE - A1