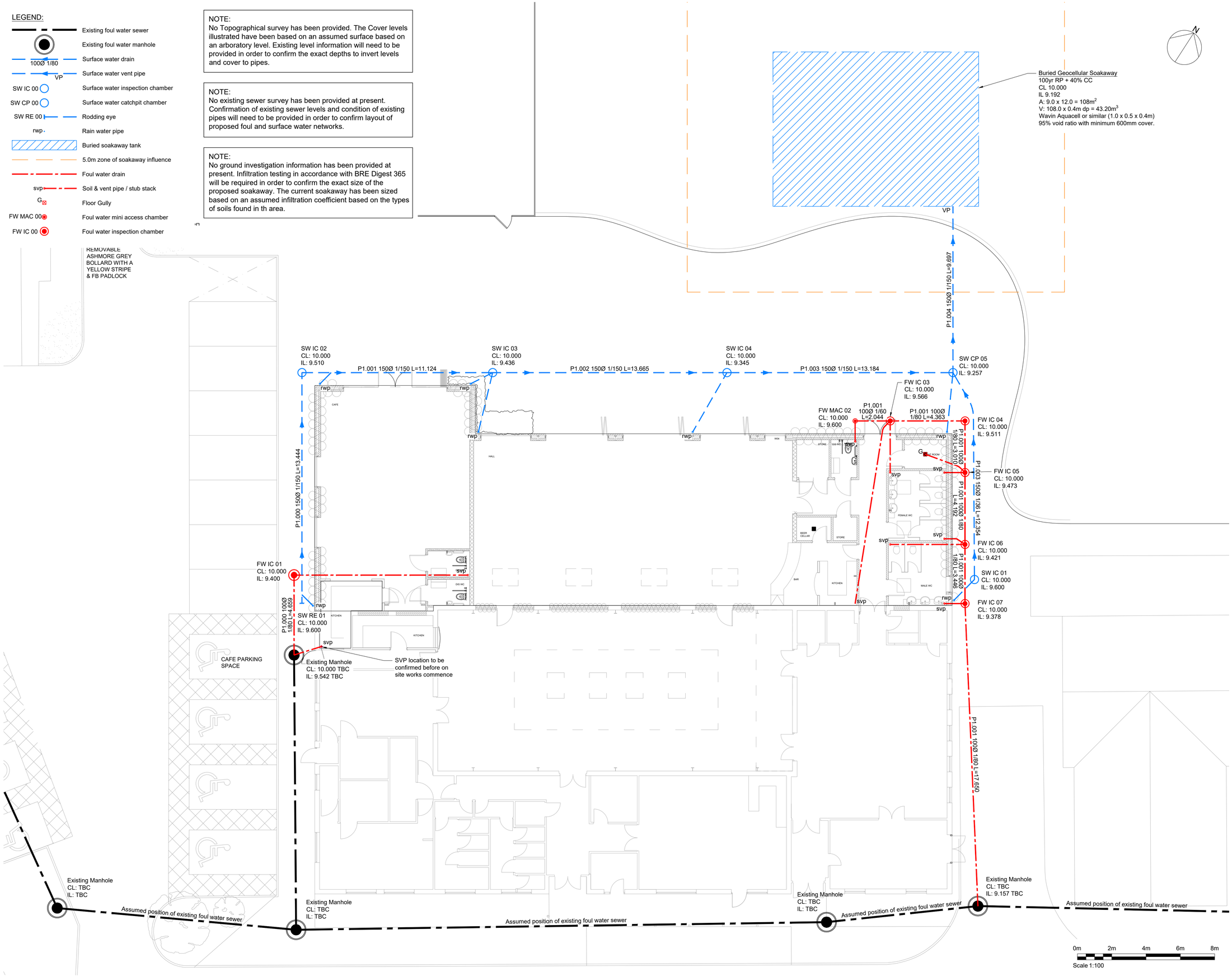
LEGEND:

- Existing foul water sewer
- Existing foul water manhole
- 100Ø 1/80 — Surface water drain
- VP — Surface water vent pipe
- SW IC 00 — Surface water inspection chamber
- SW CP 00 — Surface water catchpit chamber
- SW RE 00 — Rodding eye
- rwp — Rain water pipe
- Buried soakaway tank
- 5.0m zone of soakaway influence
- Foul water drain
- svp — Soil & vent pipe / stub stack
- G — Floor Gully
- FW MAC 00 — Foul water mini access chamber
- FW IC 00 — Foul water inspection chamber

NOTE:
No Topographical survey has been provided. The Cover levels illustrated have been based on an assumed surface based on an arboratory level. Existing level information will need to be provided in order to confirm the exact depths to invert levels and cover to pipes.

NOTE:
No existing sewer survey has been provided at present. Confirmation of existing sewer levels and condition of existing pipes will need to be provided in order to confirm layout of proposed foul and surface water networks.

NOTE:
No ground investigation information has been provided at present. Infiltration testing in accordance with BRE Digest 365 will be required in order to confirm the exact size of the proposed soakaway. The current soakaway has been sized based on an assumed infiltration coefficient based on the types of soils found in th area.



Ingleton Wood LLP shall have no liability to the Employer arising out of any unauthorized modification or amendment to, or any transmission, copy or use of the material, or any proprietary work contained therein, by the Employer, Other Project Team Member, or any other third party.

All dimensions are to be checked and verified on-site by the Main Contractor prior to commencement; any discrepancies are to be reported to the Contract Administrator.

This drawing is to be read in conjunction with all other relevant drawings and specifications

Do Not Scale © Ingleton Wood LLP

NOTES:

1. This drawing is to be read in conjunction with all other Architect's, Engineer's and Specialist's drawings, specifications and documentation as part of the design package of information.
2. All private drainage works are to be constructed in accordance with the Building Regulations Approved Document H : 2015.

DRAINAGE NOTES - GENERAL

1. Connections to the existing public sewers shall be subject to the approval of the Sewerage Undertaker and shall be carried out by a contractor approved by them. The contractor shall comply with the requirements of the Sewerage Undertaker with regards to submitting method statements, risk assessments etc for obtaining a 'permit to work' on the existing sewer.
2. Where possible orientation of manhole access covers to be orthogonal with adjacent kerb line.
3. Manhole covers to be set flush with binder course on new road construction and raised to final levels when surface course is laid at later date.
4. All cement and concrete products used in foul and surface water sewers to be sulphate resisting.
5. All pipes entering or leaving manholes shall be laid with their soffits level, unless shown or agreed otherwise.
6. Gully connections to be 150mm Dia at a gradient no flatter than 1 in 150 unless stated otherwise.
7. All private connections to adopted foul and surface water sewers to be made with either VC or concrete pipes.

PRIVATE DRAINAGE NOTES

1. All private foul and storm water sewers shall be 100/110mm dia clayware or PVC unless stated otherwise. Storm sewers shall be laid at a gradient no flatter than 1 in 100, and foul sewers to a gradient no flatter than 1 in 80 unless stated otherwise on the drawings. Private foul drains without a WC connected shall be laid to a gradient no flatter than 1 in 40.
2. All private connections to adopted foul and surface water sewers to be made with either VC or concrete pipes.
3. The private foul and storm water drainage shall be subject to inspections by the local building control officer. The contractor shall liaise with the building inspector with regard to making inspections at the appropriate stages of the work.

Protection To Private Sewers:-

4. Type S bedding to be used in non-trafficked areas.
5. Type S bedding to be used in trafficked areas where the cover to the crown of the sewer is greater than or equal to 900mm.
6. Concrete Pipe Surround (Type Z) to be used in trafficked areas where the cover to the crown of the sewer is less than 900mm.

SOAKAWAY TANK NOTES;

1. All buried tank soakaways are sized for the 100 year Return Period with an allowance of 40% Climate Change.
2. Confirmed percolation rates have been used for individual soakaway sizes from in-situ soakage tests.
3. Tanks are based generally on the use of Wavin 'Aquacell' modular units (1.0 x 0.5 x 0.4m) with a 95% void ratio & minimum 600mm cover unless noted otherwise.
4. Soakaway vent pipe to be laid above inlet pipe within shared trench. Vent pipe soffit level to match soakaway soffit level and to connect into upstream catchpit.

Rev	Description	Date	Chk	Apr
T1	Tender Issue	18/11/19	MC	
P1	First Issue	05/11/19	MC	

Project No:	Scale @ A1:	Drawn By:
111712	1:100	MC

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Vision, form and function

Project:
Princes Risborough Phase 1
Stratton Road
Princess Risborough
HP27 9AX

Client:
Princes Risborough District Council

Title:
Proposed Drainage Layout

Drawing Number:
111712- IW -XX-XX-DR-C-6000

Status:	Purpose of Issue:	Revision:
S2	FOR TENDER	T1