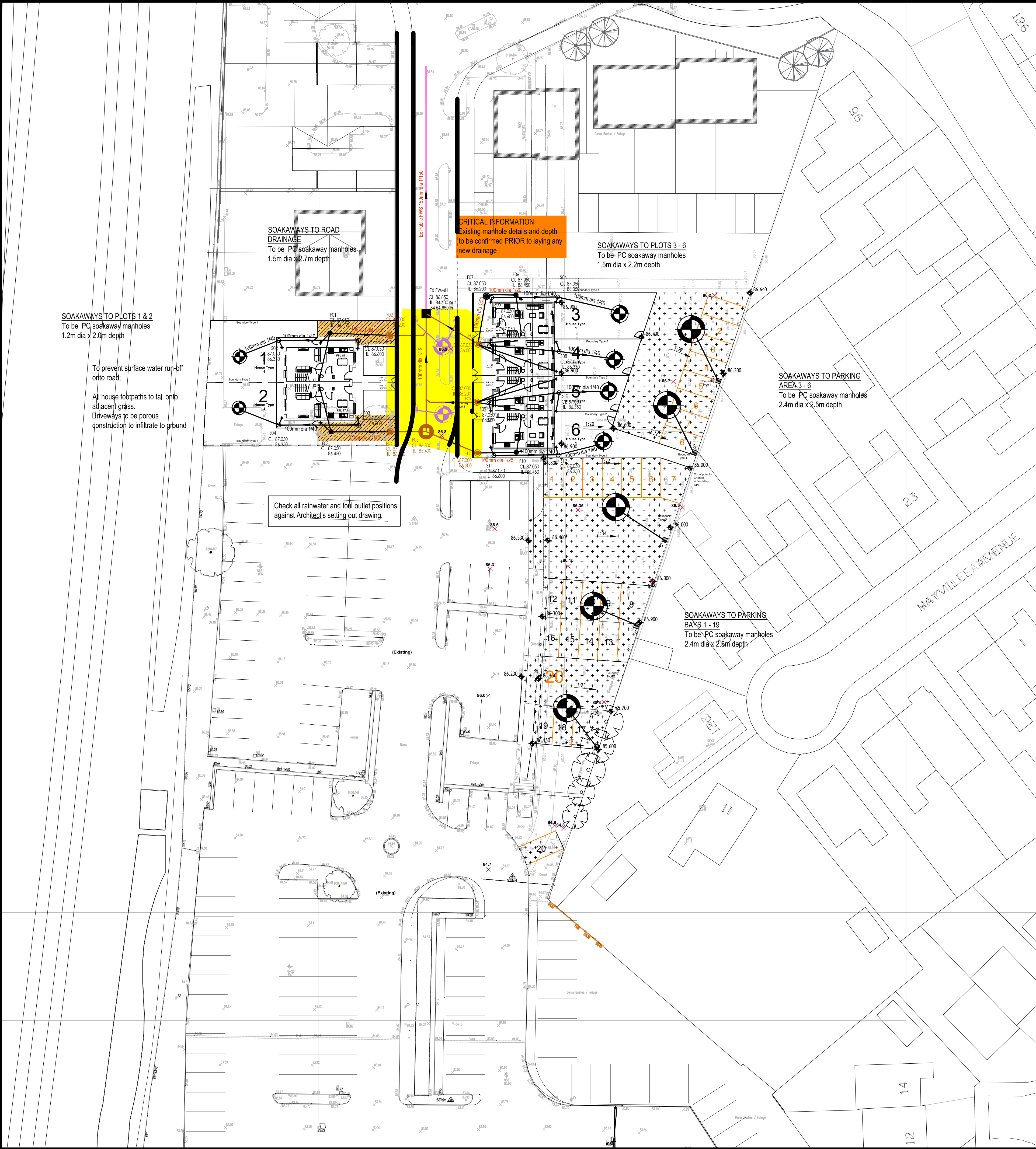




LEGEND

PROPOSED LEVELS

- + + SVP/SS /RWP
- ○ Small Access Chamber
- ⊙ Polypropylene Access chamber
- ⊙ □ PC Manhole
- ⊙ ⊕ PC Soakaway

900mm deep road gully

New Car Park Areas - Impervious Bituminous Surfacing
Spec to be confirmed

Driveway Porous Surfacing
30mm thk SURFACE Course, Tarmac ULTIDRIVE Porous Asphalt 6mm Aggregate

60mm thk BINDER Course, Tarmac ULTIDRIVE Porous Asphalt 20mm Aggregate

225mm thk Tarmac ULTIFLOW Sub-base
on 1 Layer TERRAM 1000 or similar approved permeable geotextile.

GENERAL NOTES

All rainwater and foul outlet positions to be checked against Architect's setting out drawings.

Contractor is confirm, on site, all information given relating to existing services and drainage connections etc. prior to commencing the works and any discrepancies reported immediately to the engineer. Allow for hand dig around existing services where necessary.

Existing flows in watercourses, sewers and land drainage shall be maintained at all times during the works or handled accordingly.

All connections to existing public sewers are to be made to the satisfaction of the Sewerage Undertaker and the Local Authority.

Contractor is to obtain all highway authority consents and notices for excavations etc, prior to carrying out any offsite works.

All private drainage within the site is to comply with the requirements of BS EN 752; 2008 and the Building Regulations Approved Document H.

Unless noted otherwise all rain water connections are to be 100mm dia laid to minimum gradients 1:60 at head of run then 1:100

Unless noted otherwise all foul water connections are to be 100mm dia to minimum gradients 1:40 at head of run, then 1:80

Concrete protection of pipework is to be provided as follows:-

- All pipework within pedestrian / soft areas with cover less than 600mm.
- All pipework beneath areas subject to vehicular overrun with cover less than 1.2m.
- Pipes within 300mm of underside of slab to have concrete surround cast integral with slab.

Gradients of drains are indicative only and The Contractor shall install drains to the invert levels shown for each manhole.

FOUL WATER DRAINAGE ADOPTION NOTES

1.The developer must self-vet and certify that the design criteria, material standards and workmanship specifications for the proposed adoptable sewers are in accordance with those set out in "Sewers for Adoption" 7th Edition and the requirements of DCWW as the Statutory Sewerage Undertaker, and the Welsh Ministers Build Standards.

2. For the FOUL connection to public sewer a Section 106 application to connect must be made to DCWW, the developer shall give 21 days notice prior to connection, the works may only be undertaken by a DCWW Health & Safety approved contractor.

3. Adoptable pipework to be either Marley Twinwall system or Polysewer Twinwall system as approved by DCWW

Pipework installer must be accredited with the British Plastics Federation (BPF), plastic pipes group for such an installation. Please supply a copy of the Accreditation Certificate before any order is placed or work on site is commenced.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS DRAWINGS AND SPECIFICATIONS.

Revisions.

Revision	Made by	Date	Checked	
A	SJ	07-10-19	GH	ISSUED FOR COMMENT & APPROVALS
B	SJ	24-10-19	GH	REVISED SITE LAYOUT
D	SJ	10-02-20	GH	HATCHED AREAS CLARIFIED
E	SJ	11-02-20	GH	PARKING AREA SOAKAWAYS ADDED

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Project DEVELOPMENT OFF STANSTY ROAD WREXHAM

Drawing title Drainage & External Works Layout

Architect HBA DESIGNS

Client MR N. CUNNINGHAM

Scale 1:200

Drawn SGJ

Date 09-09-2019

Checked

4097 EW01

Revision

XXXX	E
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