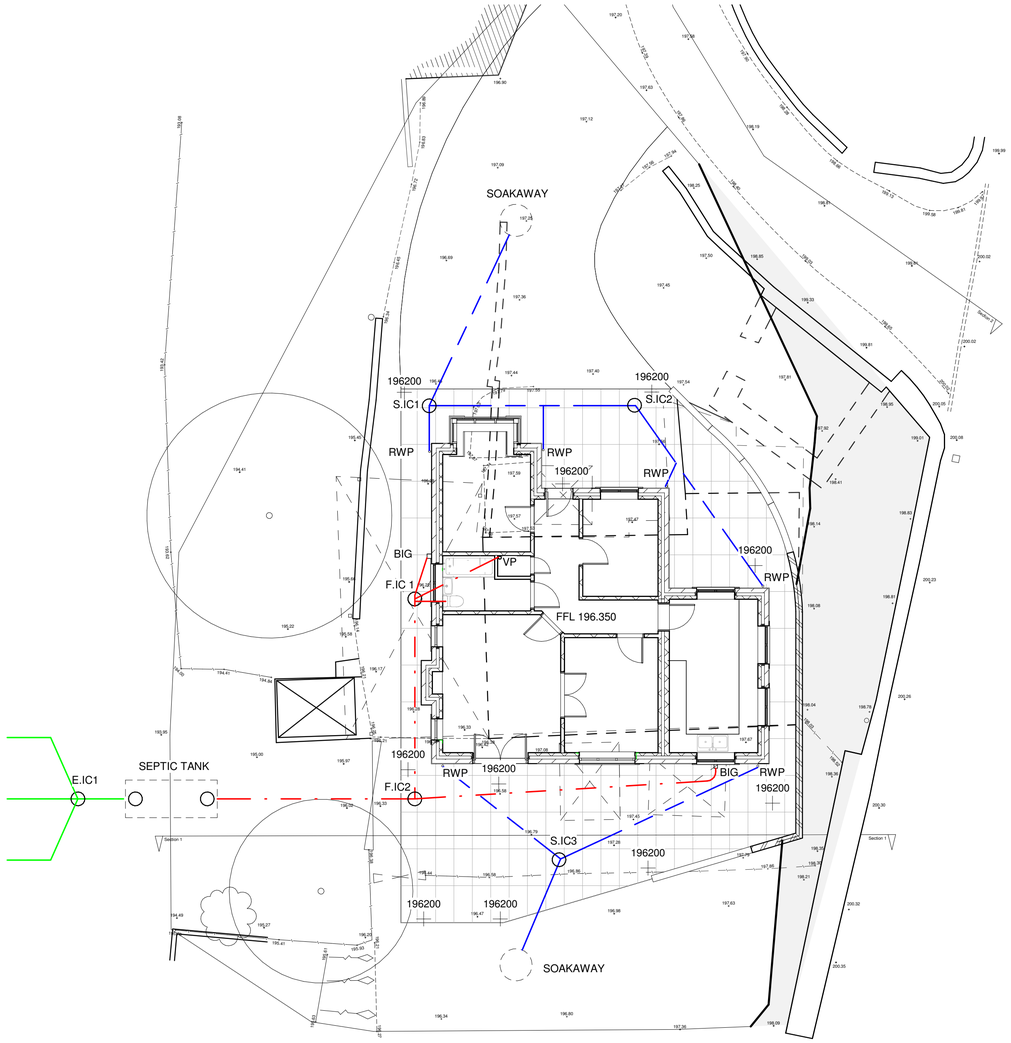


Drainage Layout
1 : 100

Inspection Chamber Schedule				
REF	Cover Level	Invert Level	Chamber Depth	Chamber Size
F.IC1	196.200	195.500	700mm	450mm Ø
F.IC2	196.200	195.400	800mm	450mm Ø
S.IC1	196.200	195.200	1000mm	450mm Ø
S.IC2	196.200	195.260	940mm	450mm Ø
S.IC3	196.200	195.500	700mm	450mm Ø
E.IC1	194.000	193.400	500mm	450mm Ø
SEPTIC TANK	194.660	194.160	500mm	N/A

Drainage Legend

Proposed Foul Drains

Proposed Surface Water Drains

Proposed Irrigation Field Pipework

DRAINAGE
All new drains and accessories to be 110mm nominal size POLYPIPE or similar approved PVCu underground drainage pipework to BS 4660, laid to falls as indicated on the drainage layout. All works in strict accordance with the manufacturers recommendations. Generally pipework under the building to be laid in class 'S' granular material bed and surround and encased in 150mm concrete where within 300mm of underside of floor slab, backfill to trenches to be selected as dug material and or MOT type 1 stone material to vehicular areas, all subject to building inspector approval. Pipework beyond the building to be laid in class 'S' granular material bed and surround subject to analysis and confirmation of ground conditions/soil types. Generally 100mm diameter drains having less than 450mm cover are all to be encased in 150mm concrete as the manufacturers recommendations.
Pre-cast concrete lintels to be provided over all drains passing through masonry walls and or protected in accordance with structural engineers details where passing through foundations. To allow for possible differential movement provide flexible joint min 150mm away from wall/foundation to form rocker pipe as manufacturers recommendations.
All existing drains local to the construction works to be rodded, flushed through and dye tested to ensure the integrity of the whole system upon completion.

POLYPROPYLENE INSPECTION CHAMBERS
450mm dia inspection chamber and base to be installed on 100mm bed of suitable as dug or granular material in accordance with BS 5955: part 6 1980 and care should be taken to ensure the bedding material is evenly compacted under the base so the chamber is fully supported. Installed in accordance with manufacturers instructions and recommendations.

SOAKAWAYS
Soakaways to be constructed from 1050mm ø pre-cast, perforated chamber rings built off 150mm thick concrete bases and surrounded with 100mm thick 10mm pea gravel, surrounded with geotextile fabric.
Soakaways to be sited minimum 5000mm from house. Final location, size and construction of soakaways to be agreed with LABC officer following ground percolation test.

SEPTIC TANK
Klargester Sigma shallow dig septic tank model ref: STH028, 2800 litres capacity, 1225mm ø x 2995mm long GRP septic tank installed strictly in accordance with manufacturer's instructions including bedding and backfilling materials to suit site conditions.
Irrigation field to be determined to suit site conditions, assume 50m long closed circuit comprised 100mm Øperforated plastics pipe bedded on 300mm thick and surrounded with 100mm thick graded 30-50mm material wrapped with geotextile membrane

All heights, sizes and dimensions should be checked on site by the contractor before any work is put in hand.

Figured dimensions should be taken in preference to scaling and any errors or omissions reported to the architect at once.

This drawing has been prepared in accordance with the CDM (Construction Design and Management) and all foreseeable design risks to those involved or affected by construction have been avoided wherever possible.

Rev	Date	By	Detail

Drawing status

Client

Mr & Mrs B. Mycock

Project/Location

Proposed New Build Bungalow

Hurst Bank Farm
Hurst Road
Biddulph

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Drawing title

Drainage Layout

Date	Drawn	Checked	Job No.
Nov. '19	TM	Checker	3141

Scale(s)

As indicated @A1

Drawing number **Revision**

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