

**NOTES**

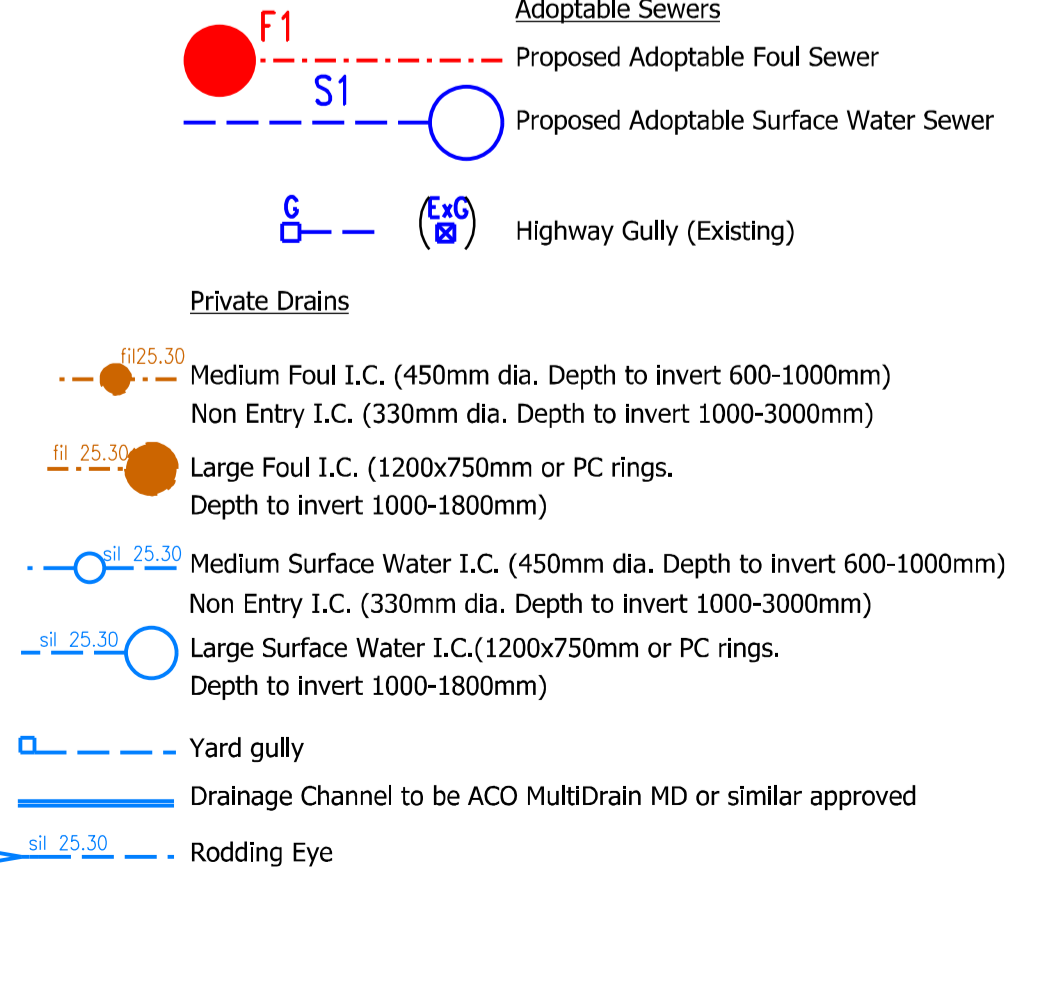
- Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the architect or engineer before proceeding. © This drawing is copyright.
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- Until technical approval has been obtained from the relevant authorities, all drawings are issued as preliminary and not for construction. Should the contractor commence site work prior to approval being given it is entirely at his own risk.

- Building Drainage**
- All connections to adoptable manholes from private building drainage to be 150mm diameter pipes unless otherwise specified.
  - All house drainage to be 100mm dia unless otherwise stated, and laid in accordance with current Building Regulations and BS8301 : 1985.
  - All private drainage products are to be Polypipe or similar approved.
  - Pipe bedding material is to be Class S with 150mm minimum thickness surround.
  - Backfill is to be with selected fill free of stones larger than 40mm, lumps of clay over 100mm, timber, frozen material and vegetable matter.

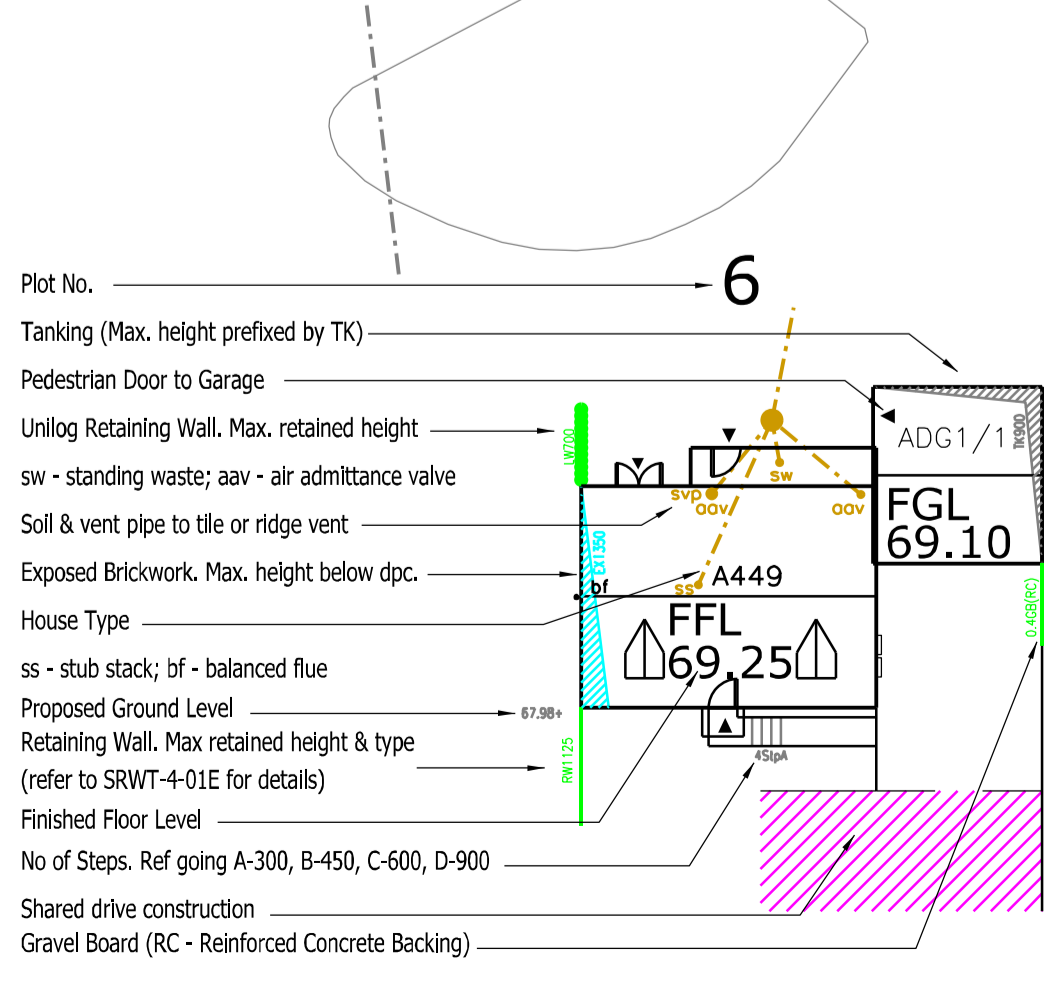
**NOTES**

- Pipe protection of house drainage runs is required in accordance with the Typical House Drainage Details drawing. The contractor shall satisfy themselves and agree with the Site Management the actual extent of pipe protection required.
- Pipes entering and leaving manholes/inspection chambers shall include a rocker pipe, 600mm in length.
- Brickwork to chambers shall be Class B Engineering to BS3921.
- Rainwater pipes are to be sited on side elevations whenever possible.
- All retaining walls with a height of 600mm or greater are to include 1.2m high post and rail fencing unless located in rear gardens. Similar retaining walls in rear gardens are to include 900mm height picket fence.
- All flights of steps to primary level access, with more than 2 steps are to be provided with handrailing, except where the steps are 900mm are more apart.
- Brick retaining walls are to be used in preference to gravel boards for front garden areas.
- Drainage and road design subject to Water and Highway Authority approval.
- Edge restraint to private/blockwork - 2 stretcher course (unless noted otherwise).

**KEY**



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RWP POSITIONS BY ARCHITECT AND PHASE 5b SUBJECT TO DETAILED DESIGN

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT AUTHORITIES, ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN IT IS ENTIRELY AT HIS OWN RISK.

REVISION	DESCRIPTION	AT	JF	DATE
C	Phase 4 updated to detailed design	AT	JF	16.12.15
B	TDS updated	AT	JF	05.08.15
A	Revised to suit latest site layout	AT	JF	27.07.15

PRELIMINARY  
  INFORMATION  
  TENDER  
  CONSTRUCTION  
  AS BUILT

**WOODS HARDWICK**  
ARCHITECTS, ENGINEERS AND DEVELOPMENT CONSULTANTS

TITLE: UPPER HEYFORD  
 PARCEL D3a AND D4a (PHASES 4 AND 5b)  
 DETAILS: PROPOSED ENGINEERING LAYOUT SHEET 4

SCALE: A1- 1:200  
 DATE: JULY 2015  
 DRAWN: AT  
 CHK: JF

Please consider the environment before printing this drawing  
 Filepath: F:\Engineer

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