

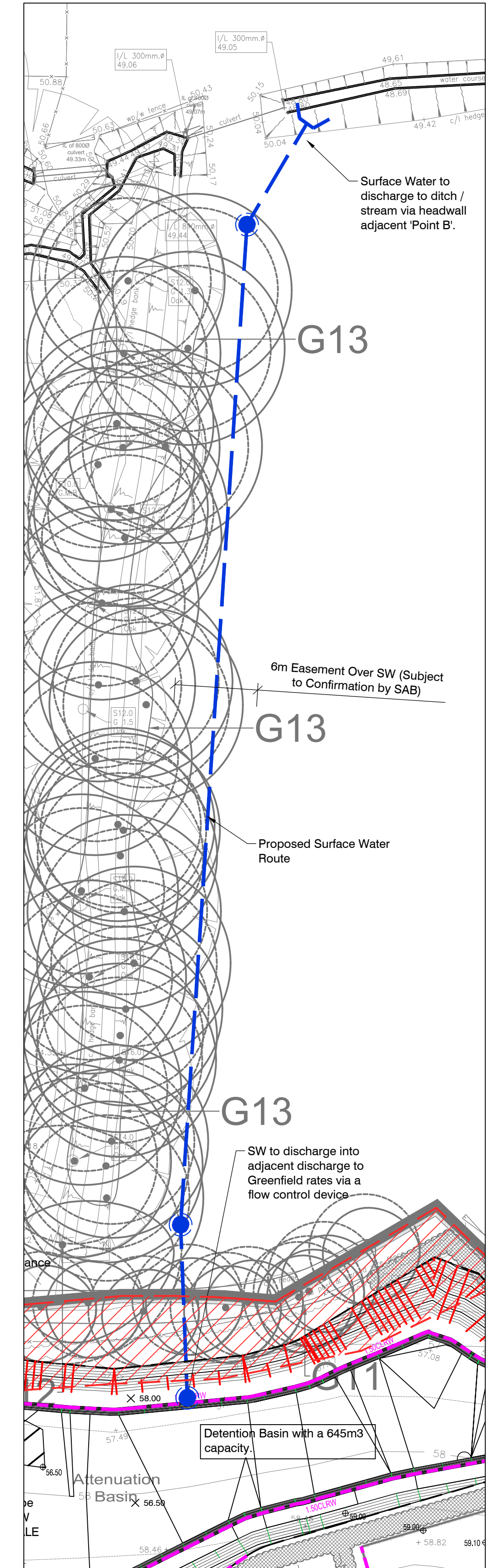
**Storage Notes:**

Total Site area = 1.568ha  
 Approximate Discharge Rate = 5.4 l/s  
 Impermeable area Incl. UC = 0.75ha  
 Estimated Storage = 538-640m³ (Circa 645m³ required based on hydrobrake)  
 Available Volume in Pond Basin with Retaining Wall = 645m³  
 Confirmation required from the VOG for the wall arrangement and adoption

**LEGEND:-**

- Proposed Retaining Wall - Slab on edge to be considered for walls adjacent gardens / patios for heights up to 0.45m
- Proposed cribblock Retaining Wall
- Proposed Underbuild
- Proposed Tanking
- Proposed Ground Level
- Proposed Finished Floor Level
- Proposed Embankment
- Proposed Pumping Station Position
- Proposed Rising Main
- Proposed Permeable Paving (Tanked - subject to location specific infiltration tests)
- Proposed SWALE position
- Proposed Rain Garden
- Permeable Paving
- Permeoid Distribution Crate
- Aquacell 250mm dia Silt Trap and Flow Control Chamber

- NOTES**
- Bio-retention Trenches to be provided to all plot surface water drainage
  - Steps not indicated, to be considered with adjacent retaining wall also
  - SUD's features indicative only and subject to discussions with VOG CC
  - Permeable paving to be considered within plot driveways - privately maintained by house owner



Rev	Date	Description	By
1	24.09.20	Revised Engineering to amended layout	ML
2	02.10.20	Final design submitted for planning	RWP
3	04.10.20	Site Layout amended, engineering amended to suit.	RWP
4	07.10.20	Site Layout amended, engineering amended to suit.	RWP
5	21.10.20	Site Layout amended, engineering amended to suit.	RWP
6	06.11.20	Site Layout amended, engineering amended to suit.	RWP
7	27.11.20	Site Layout amended, engineering amended to suit.	RWP
8	18.12.20	Final Engineering Report	RWP
9	01.01.21	DCW/CC confirmed and adopted, using rain attenuated to suit.	RWP
10	11.01.21	Site Layout amended, bearing walls, then spaces to suit.	RWP

Dimensions to be verified on site.  
 This drawing should not be scaled. Use figured dimensions only.  
 Any discrepancies should be referred to the Engineer prior to work being put in hand.  
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The key is quality

**Lewis Homes**

Ystradowen  
 Preliminary Engineering Appraisal

**FOR INFORMATION ONLY**

Drawn by	Checked by	Date	Scale
RWP	SM	Oct '19	1:250

Project No	Drawing No	Revision
19351	SK101	10

