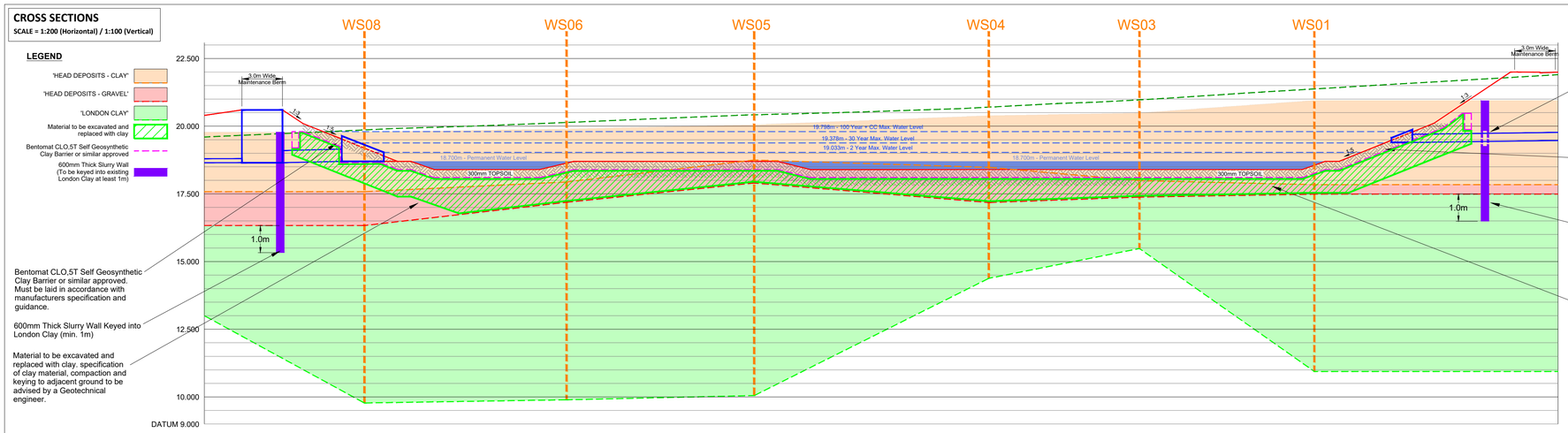
CROSS SECTIONS
SCALE = 1:200 (Horizontal) / 1:100 (Vertical)

LEGEND

- 'HEAD DEPOSITS - CLAY'
- 'HEAD DEPOSITS - GRAVEL'
- 'LONDON CLAY'
- Material to be excavated and replaced with clay
- Bentomat CLO,5T Self Geosynthetic Clay Barrier or similar approved
- 600mm Thick Slurry Wall (To be keyed into existing London Clay at least 1m)



Bentomat CLO,5T Self Geosynthetic Clay Barrier or similar approved. Must be laid in accordance with manufacturers specification and guidance.

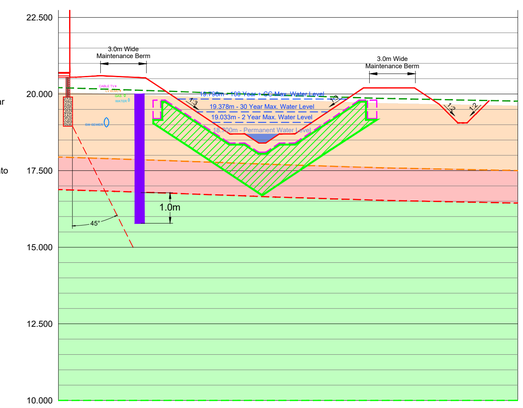
600mm Thick Slurry Wall Keyed into London Clay (min. 1m)

Material to be excavated and replaced with clay. specification of clay material, compaction and keying to adjacent ground to be advised by a Geotechnical engineer.

Slurry Wall Opening to Facilitate SW Sewer See detail on drawing 20079/330

CHAINAGE	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	65.000	70.000	75.000	80.000	85.000	90.000	95.000	100.000
PROPOSED GROUND LEVEL		20.100		18.700	18.400		18.400	18.700		18.700	18.400			18.400		18.400		18.700	20.100	22.000	
EXISTING GROUND LEVEL	19.600	19.710	19.818	19.929	20.006	20.101	20.206	20.312	20.411	20.476	20.550	20.634	20.757	20.870	20.997	21.159	21.316	21.464	21.610	21.756	21.901

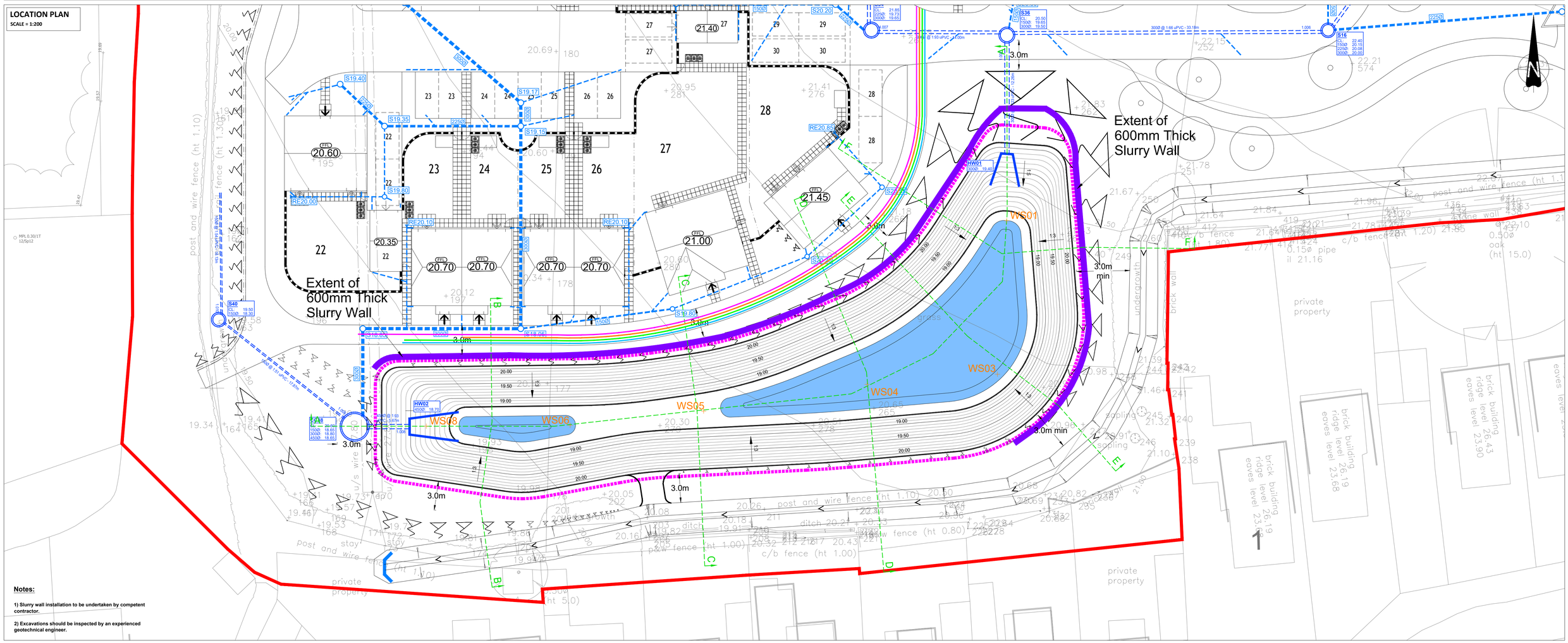
A-A



CHAINAGE	0.000	5.000	10.000	15.000	20.000	24.476	24.878	27.878	30.000
PROPOSED GROUND LEVEL	21.200	21.050	20.100	18.700	18.400	18.700	20.100	19.660	19.659	19.823	
EXISTING GROUND LEVEL	20.210	20.128	20.040	19.952	19.875	19.823					

B-B

LOCATION PLAN
SCALE = 1:200



Notes:

1) Slurry wall installation to be undertaken by competent contractor.

2) Excavations should be inspected by an experienced geotechnical engineer.

The Contractor is to check and verify in conjunction with the Architects details all setting out points, building and site dimensions, levels and sewer invert levels at connection points and ensure that they are fully conversant with the contents and requirements of the site investigation report before work starts. The Contractor is to comply in all respects with current building legislation, British Standard Specifications, Building Regulations etc.,whether or not specifically stated on this drawing.

This drawing is not intended to show details of ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor any areas of formation for said structures which do not accord with the anticipated conditions as described in the site investigation report are to be immediately notified to the Engineer, where applicable. Any suspect fluid ground or ground contaminants on or within the ground should be further investigated by a suitable expert. Any earthworks shown indicate typical slopes for guidance only and should be investigated further by a suitable geotechnical expert. Where existing trees are shown to be retained they should be subject to a full Arboricultural inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services, where applicable. A foundation is to be provided to accommodate the proposed tree planting, where applicable.

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Rev.	Description	Date	By
G	Sections updated to reflect clients list of actions dated 17.03.2022.	23.03.2022	OB
F	Floatation calculations revised to suit revised design groundwater level as per client instruction, topsoil depth increased to 600mm where required. Section A-A updated to illustrate latest trial pit depths/watertrikes and re-use of London Clay above liner removed and liner level raised to underside of topsoil as per revised floatation calculations. Volumetric assessment (groundwater levels against proposed basin formation levels) updated to reflect latest information and revised groundwater level.	10.11.2021	OB
E	Section A-A updated to reflect existing soil types following reciept of trial pit logs.	09.11.2021	OB
D	Floatation calculations updated to include 0.9 factor for dispersive forces and 1.1 factor for resisting forces as per suit planners comments. Design levels for pond liner and soil depths updated to suit latest floatation calculations.	04.10.2021	OB
C	Design levels for pond liner and soil depths updated. Floatation calculations added. Comparison between existing groundwater depths and proposed basin levels added.	31.08.2021	OB
B	Cross sections updated to reflect revised basin design and drainage strategy. Design levels for pond liner and soil depths added.	05.08.2021	OB
A	Basin Plan, Cross Sections and Embankments updated to suit latest strategy batters to basin @ 1 in 2.5.	08.01.2021	LH
-	First Issue.	24.10.2020	LH

Client: PERSIMMON Together, we make a home

Project: Dappers Lane, Angmering, West Sussex

Title: Attenuation Basin Cross Sections

Sheet 1 of 3

Drawing Status: CONSTRUCTION

Subject to Arun District Council Conditions 17, 18, 19, 21 & 22 and ICOSA approval as part of ongoing consultations and design checks. Amendments may be requested.

Scale	A1 @ 1:200 Horiz & 1:100 Vert	Drawn	LH
Date	October 2020	Checked	
File	20079/dwgs/civils/current	Drawing	20079 - 211 G

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