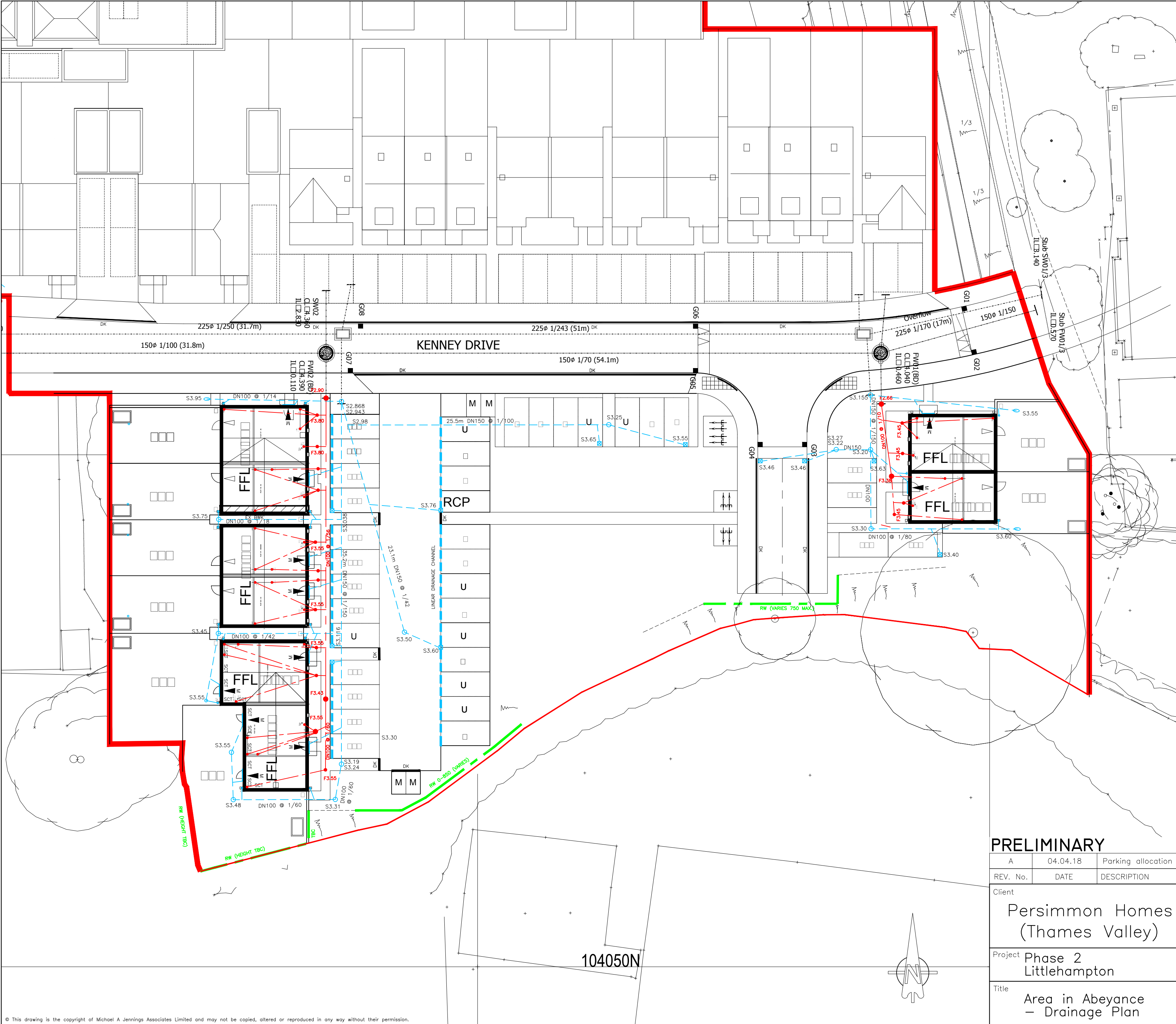






KEY:

Proposed Infrastructure Drainage:

Detail provided by Mayer Brown (current at time of issue but must be checked against their latest revisions). All Infrastructure road drainage is to be constructed from Mayer Brown design detail, with any discrepancies brought to MJA's attention.

Proposed Private Drainage:

Foul drain

Storm drain

Rodding eye

Yard gully

Linear drainage channel

ACO or similar approved. Connection Invert Level dependent on manufacturers specifications.

All private inspection chambers shall be polypropylene non-access chambers in accordance with The Building Regulations, Part H.

Chamber sizes:

Depth to invert <0.6m DN300

Depth to invert >0.6m DN475

Invert levels shown thus:

F10.00

S10.00

Finished floor levels shown thus:

FFL

Primary Access

Secondary Access

PRELIMINARY

A	04.04.18	Parking allocation revised for parking adjacent to Plots 117-122.	AJW
REV. No.	DATE	DESCRIPTION	INITIALS
Client		Persimmon Homes (Thames Valley)	
Project		Phase 2 Littlehampton	
Title		Area in Abeyance - Drainage Plan	
Scale		Date	Drawing No.
1:250 @A2		Mar' 2018	5691:05
Checked		Drawn	Rev
		AJW	A

MJA CONSULTING

CIVIL AND STRUCTURAL ENGINEERS

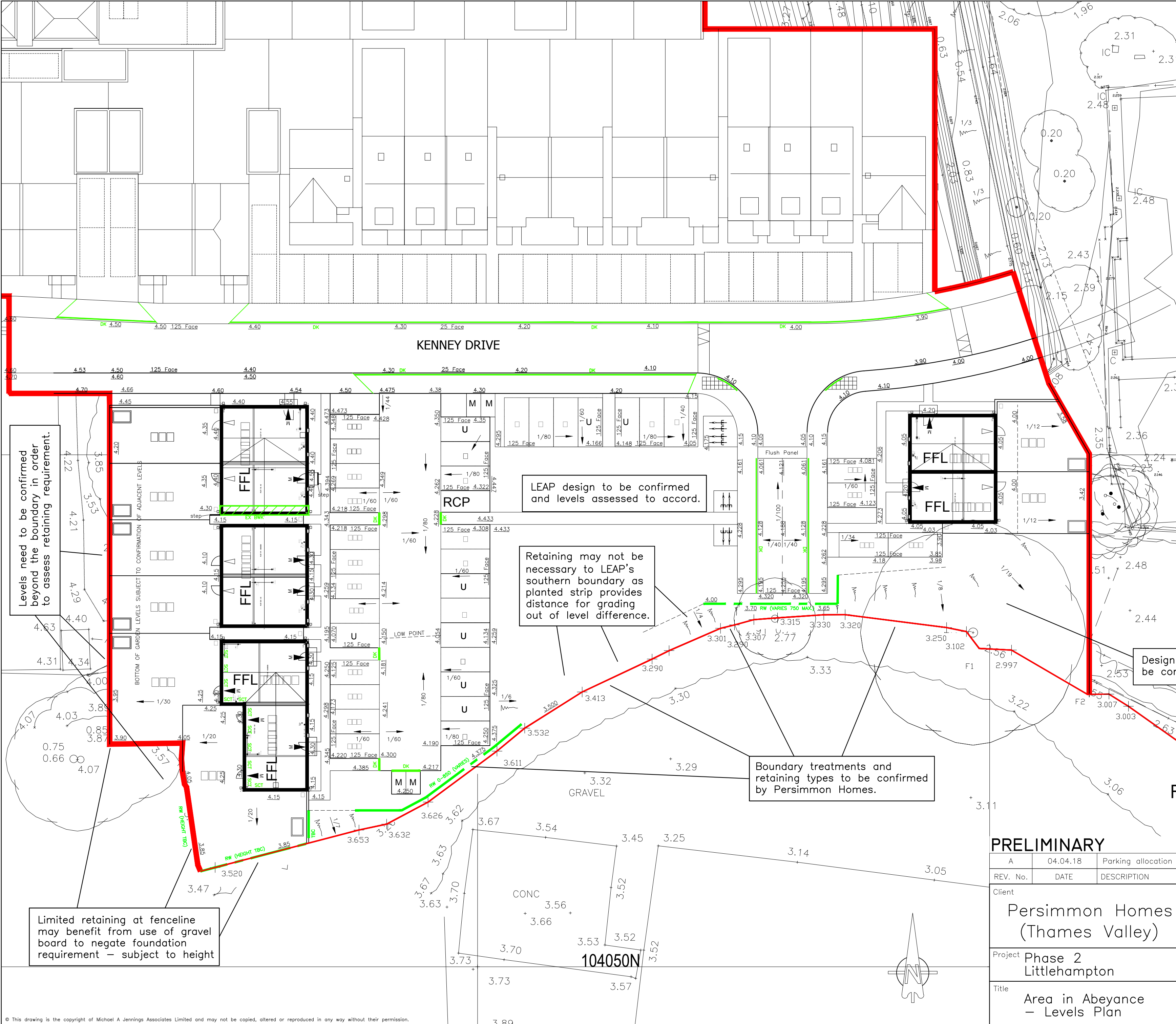
Mayer Brown

Arun District Council

Tel: 01494 450000

Fax: 01494 450001

MJA



- KEY:**
- Stepped Cavity Tray (raised DPC or appropriate tanking for construction method) SCT
 - External Brickwork EXT BWK
 - Tanking T T T
 - Slab on Edge SOE
 - Retaining Wall RWALL
 - Fall Arrows
 - Proposed Levels XXX.XXX
 - Primary Access
 - Secondary Access
 - Finished floor levels shown thus: FFL 10.00
 - Phase Boundary

- NOTES:**
- Road contours based on Mayer Brown infrastructure design. NB: All road and footway levels to be verified on site.
 - Existing survey levels and contours beyond phase boundary are based on the Mayer Brown and WYG original topographical survey and may differ from current site strip and levelling, based on Mayer Brown earthworks management.

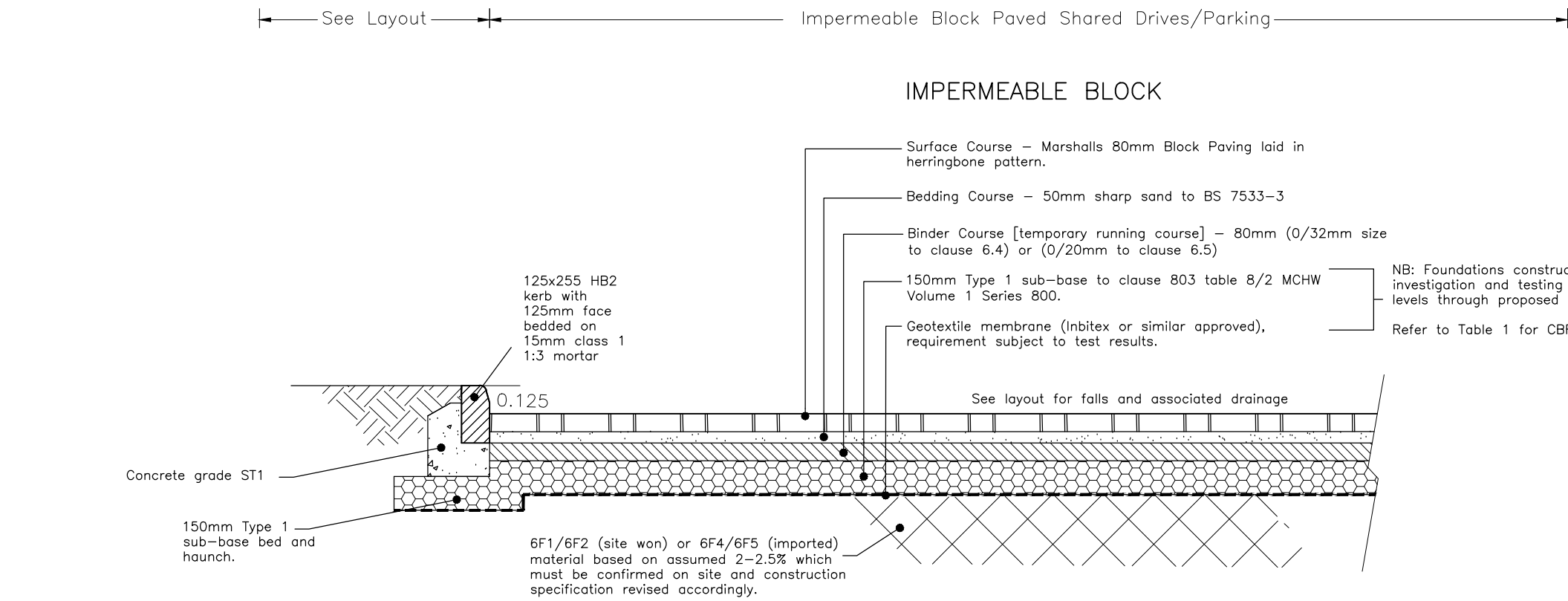
PRELIMINARY

A	04.04.18	Parking allocation revised for parking adjacent to Plots 117-122.	AJW
REV. No.	DATE	DESCRIPTION	INITIALS
Client		Persimmon Homes (Thames Valley)	
Project		Phase 2 Littlehampton	
Title		Area in Abeyance - Levels Plan	
Scale	1:250 @A2	Date	Mar' 2018
Checked		Drawn	AJW
Drawing No.		5691:06	
Rev		A	

MJA CONSULTING
CIVIL AND STRUCTURAL ENGINEERS

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Tel: 01895 810000
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TYPICAL SECTION THROUGH BLOCK PAVED SHARED DRIVE HAVING INFREQUENT USE BY COMMERCIAL VEHICLES.
(e.g. to front of Plots 81–86 & LYTTON COPSE)
Scale 1:25

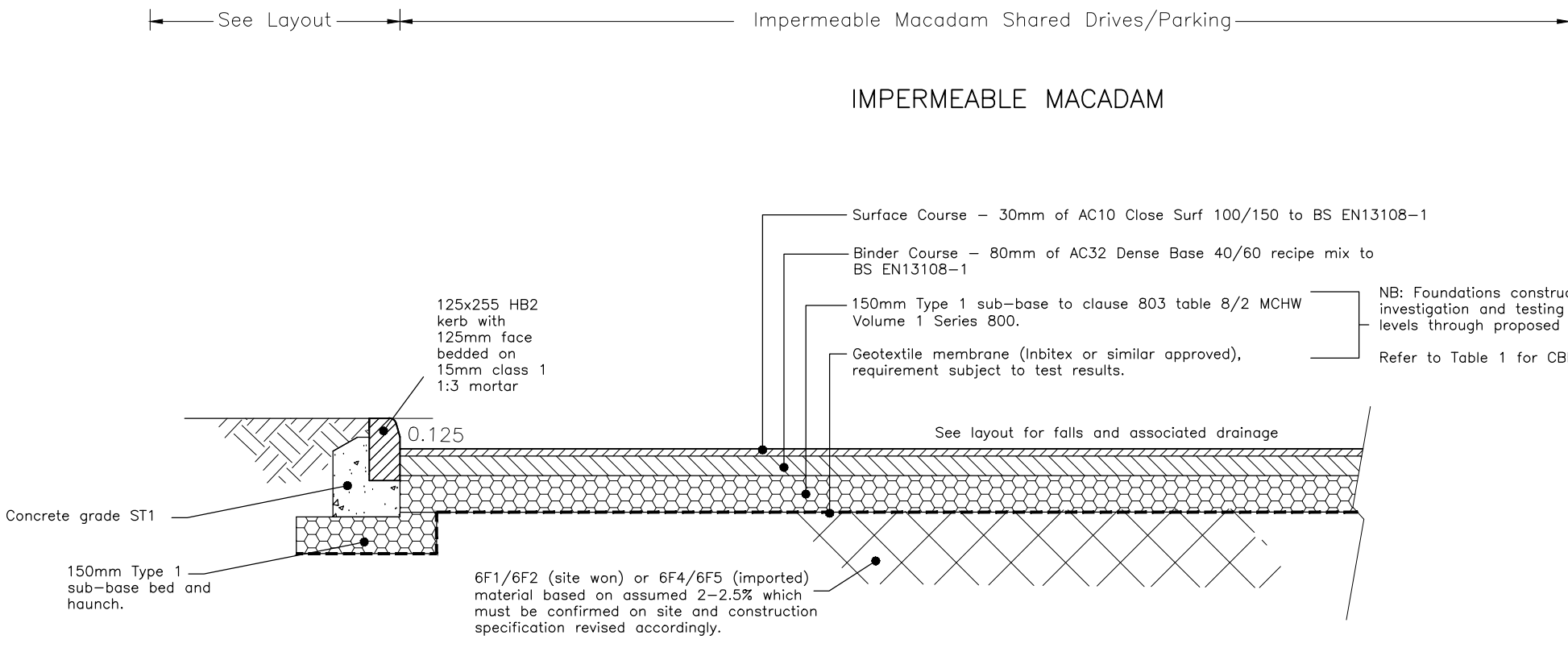
NB: Foundations construction based on ground investigation and testing of strata following raising of levels through proposed site-wide earthworks.

CAPPING & SUB-BASE

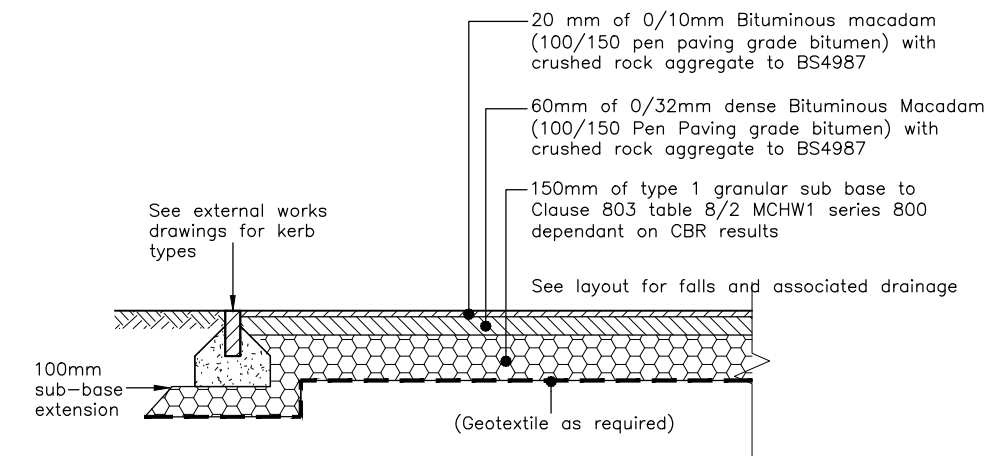
TABLE 1	
Capping layer(mm)	
CBR >5%	150mm thick DTP Type 1 Granular Sub base
CBR 2%–5%	350mm thick DTP Class 6F1 or 6F2
CBR <2%	600mm thick DTP Class 6F1 or 6F2
Capping layer in accordance with DTP Spec. Part 2 Table 6/2 class 6F1 or 6F2.	

NHBC TABLE – SUB-BASE ONLY / SUB-BASE + GEOTEXTILE

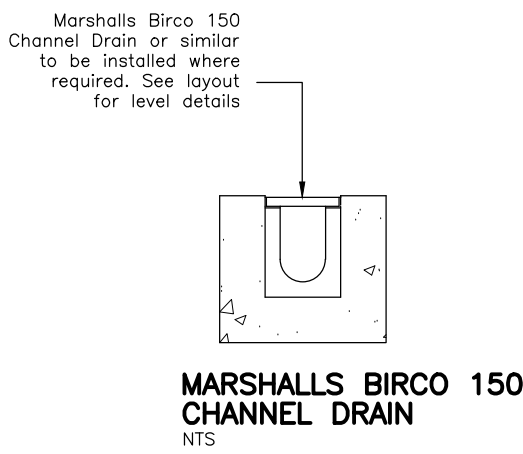
Minimum sub-base thickness for paved areas		
California Bearing Ratio (CBR) Values	Minimum thickness of Sub-Base (mm) (Consolidated in accordance with MCHW Volume 1 Clause 108, Table 8/1)	
	Without Geotextile Underneath	With Geotextile Underneath
Less Than 2%	N/A	300
2% to 3%	325	225
3% to 5%	250	150
5% to 7%	150	
7% to 20%	100	



TYPICAL SECTION THROUGH MACADAM SHARED DRIVE HAVING INFREQUENT USE BY COMMERCIAL VEHICLES.
(e.g. Units 95–100 Courtyard/Access)
Scale 1:25



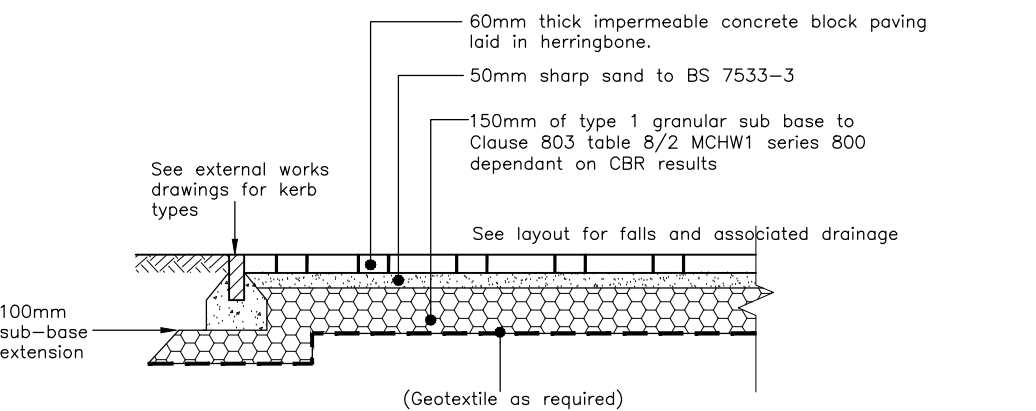
PRIVATE DRIVE – MACADAM CONSTRUCTION
Scale 1:25



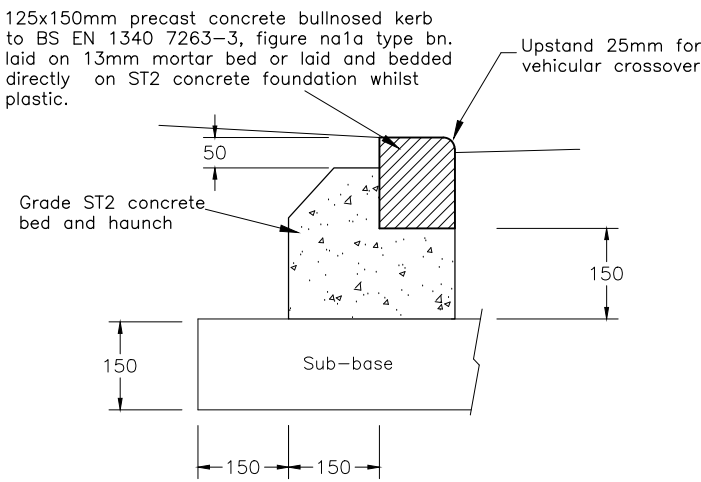
NB: Marshall's Birco 150 (or similar) specified as the shallow gradient of a number of parking areas (see drainage and levels plans) necessitates the introduction of linear channel drains with internal falls (min. 1 in 100) to point of discharge. Birco internal fall units available in 1000mm lengths to a maximum of 20m.

Additional construction details being sought from Marshall's (added when available), however, specification and further detail is available online: <https://www.marshall's.co.uk/commercial/assets/documents/product-specifications/wmgs05.pdf>

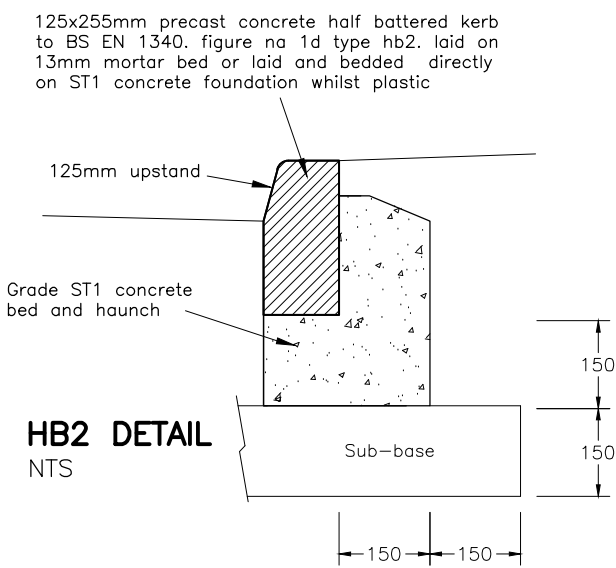
Covers must be C250 classification for private drives and D400 for all shared drive/parking access areas. Style of cover to be confirmed with Client or Landscape Architect.



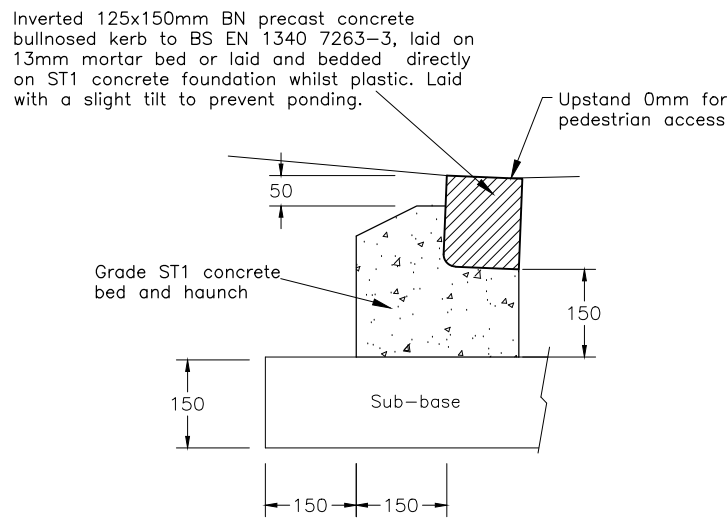
PRIVATE DRIVE – IMPERMEABLE BLOCK PAVED CONSTRUCTION
Scale 1:25



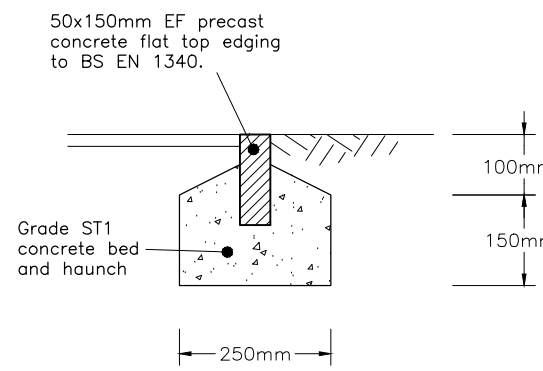
DROPPED KERB (VEHICULAR ACCESS)
NTS



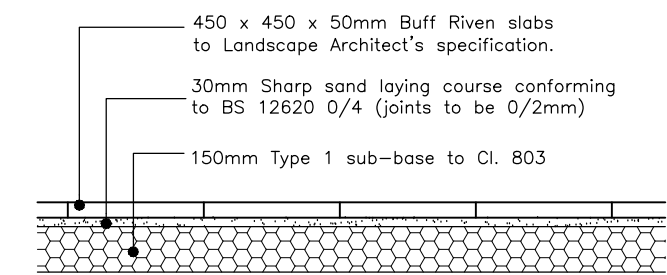
HB2 DETAIL
NTS



DROPPED KERB (PEDESTRIAN ACCESS)
NTS



EF DETAIL
NTS



PATIO / FOOTWAY SLAB CONSTRUCTION
Scale 1:25

Construction Notes:

- Please refer to Mayer Brown construction details for all infrastructure extents, including main carriageways and footways. These details relate to residential areas from back edge of infrastructure works.
- All private works designed to NHBC standards but to be approved by Premier Guarantee.
- Do not scale from this drawing.
- This drawing is based on the latest Architectural planning layout (surface materials and colours identified) and shall be read in conjunction with all other relevant planning and construction drawings.
- Block paved area edging course /pattern to be confirmed by Persimmon Homes / Landscape Architect.
- Any discrepancies with any of the drawings shall be reported to MJA Consulting Engineer.
- The level and location of all existing services shall be verified on site by the Contractor before commencing any construction work. Proposed services routing to be provided by Persimmon Homes.
- Contractor must comply with all current legislation relating to CDM, Health and Safety and COSHH.
- All material in excess of 20kg (i.e. kerbs, manhole units cover etc.) shall be mechanically lifted and laid where possible at all times.
- All foul and storm water drains which are not to be adopted as public sewers under a section 104 agreement shall be constructed using uPVC pipes or similar approved, bedded and backfilled in accordance with the manufacturers instructions and to the Building Regulations Part H, BS EN 752 & B.R.E. SD1.

PRELIMINARY

A	08.03.18	Private and shared drive construction changed to traditional impermeable construction in accordance with drainage strategy. Birco detail added.	AJW
REV. No.	DATE	DESCRIPTION	INITIALS
Client	Persimmon Homes (Thames Valley)		
Project	Phase 2 Littlehampton		
Title	Construction Details (Sheet 1) – Hard Standing Areas		
Scale	As shown @A1	Date	Nov ' 2017
Checked	KTG	Drawn	AJW
Drawing No.	5691:20		
Rev	A		