NOTES

1. All adoptable highways and footpaths to be constructed in accordance with West Sussex specification.
2. All adoptable drainage works to be constructed as detailed in the Water Authorities Association Publication 'Sewers For Adoption 6th Edition'.
3. All laterals from adopted sewers to first private chamber to be 150mmø minimum. All house drainage to be 100mm dia. unless shown otherwise, laid in accordance with BS EN752 & BS 5955.
4. Where finished ground levels fall towards a building, an open gully is to be provided at the foot of all rainwater pipes.
5. All drain connections beneath the highway are to be surrounded with concrete where cover is less than 1.2m.
6. All drain and sewer pipes are to be laid soffit to soffit, unless shown otherwise
7. Refer to house type working drawings for exact position of soil waste pipes.
8. Preformed private inspection chambers, size and type:–

Type	Dia	Depth to invert	Symbol FW	Symbol SW
A	225mm	450mm	●—	○—
B	225mm	600max	●—	○—
C	450mm	450 min–1200 max.	●—	○—
D	PCC to BS8301	> 1200	■	□
F	Adoptable demarcation chamber		■	□
H	500mm	> 1200	●—	○—
J	600mm	> 1200	●—	○—

Refer to standard detail drawings for types A–D, H & J. Refer to Typical Sewer Detail drawing for Type F

9. House drainage to be bedded on granular material and backfilled with suitable 'as dug' material, as described on the Typical House Drainage Details drawing or as advised by the Engineer.
10. Pipe protection of house drainage runs is required in accordance with the Typical House Drainage Details dwg. The Contractor shall satisfy themselves & agree with the Site Management the actual extent of the pipe protection required.
11. Slotted concrete posts are to be used with concrete gravel boards.
12. Adoptable lay–bys shall be of similar construction to the main carriageway unless stated otherwise.
13. Sewer trench backfill to be in accordance with the Typical Sewer Detail dwg.
14 All private drives and hardstandings taking access across a footway require 1.5 X 1.5m visibility splays both sides & no planting or obstructions over 600mm in height.
15. Setting out of street lights (adoptable) shall be agreed with the Highway Inspector prior to erection.
16. Vision splays / forward visibility in soft landscaped areas to be demarked by continuous concrete edgings.
17. Position & invert levels of all existing laterals to be confirmed prior to construction & any discrepancies reported to the Engineer.
18. Refer to Pre–Construction Information Pack & Construction Phase Health & Safety Plan prior to the commencement of works.
19. All levels relate to Ordnance Datum
20. Postal numbers to be painted onto car parking bays (not individual private drives) using white road paint in 150mm numbers.

KEY

Symbol	Meaning	Symbol	Meaning
—●—	Proposed adoptable foul sewer.	A431	House type reference.
—○—	Proposed adoptable storm sewer.	20	Plot number.
—•—	Foul drainage	(12)	Postal number.
—o—	Storm drainage.	g □	Highway gully.
bd	Backdrop.	rg □	Road gully.
re	Rodding eye.	fg ⊞	Footpath gully.
CL50.00	Cover level.	yg ⊞	Yard gully.
FIL50.00	Foul invert level.	ST	Silt Trap
SIL50.00	Storm invert level.	FD	Filter Drain
cd	Channel drain.	cp ○	Catch pit.
bc	Block channel.	→	Direction of fall.
dc	Dished channel.	hp	High point.
• svp	Soil & vent pipe	lp	Low point.
• sw; ss	Standing waste; stub stack	pc	Pedestrian crossing.
• aav	Air admittance valve.	ms	mountable shoulder
• whb	wash hand basin	R1	Road Sign ref.
• wc	water closet	b	Bollard.
o	Rainwater pipe.	rb	Removable Bollard.
SL50.00	Finished Slab level (integral garage to be 150mm lower unless shown).	snp	Street name plate.
+ 50.00	Proposed finished level.	R	Radius.
+ (50.00)	Existing level.		Street lighting.
gb (450)	Gravel board (max retaining height shown)		Existing Street lighting.
rw (0.9)	Retaining wall. (max retaining height shown)		Private lighting.
lw (450)	Log wall (max retaining height shown)		Vehicular crossover.
SE	Slab on Edge		Highway grass verge.
	Screen wall		Concrete Block Paving
	Banking.	dm	Demarcation.
	Underbuild.	hb	Half batter kerbs.
	Tanking	ce	Concrete edgings.
	Steps in paths.	dk	Drop kerb.
[2]	Number of steps	—PL—	38mm pvc black ducting for private st. light connections or power to remote garages
rs	Railway sleeper steps	—IP—	Infiltration pipe
HR	Handrail/Guarding		
FG	Foul Gully		
#	Dwelling has double dpc		

Rev	Date	Details	By
A	18.01.16	Information updated to correspond with long section drawings and revised base plan. Road 1 levels revised.	SY

Drainage Authority Approval Date

Highway Authority Approval Date

Do not scale from this drawing. Use written dimensions only. When shown relationships between slab levels and ground levels are to be checked on site. Any discrepancy or suggested modification to be reported to Design and Engineering Director.

Note : This drawing is the copyright of Bovis Homes Ltd.

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SITE

HAMPTON PARK
LITTLEHAMPTON, WEST SUSSEX

DRAWING TITLE

ENGINEERING LAYOUT
SHEET 3

DRAWN BY	DATE	DRAWING NO.	REV
SY	NOV 2015	LITL–502/3	A
SCALE: 1/250 at A1	CHECKED/DATE		

DRAWING LIST
- 04 – Hard landscaping Layout
- 502/1 – Engineering layout sheet 1
- 502/2 – Engineering layout sheet 2
- 502/3 – Engineering layout sheet 3
- 503/1 – Road & Sewer section sheet 1
- 503/2 – Road & Sewer section sheet 1
- 503/3 – Road & Sewer section sheet 1
- 504/1 – Typical road details sheet 1
- 504/2 – Typical Road Details sheet 2
- 505 – Typical sewer details
- 506 – Private drive details
- 507 – Private parking court details
- 508 – Private footpath details
- 509 – Typical UPVC house drainage details
- 510 – Private regrade details
- 511 – Typical services details
- 512/1 – Services Layout Sheet 1
- 512/2 – Services Layout Sheet 2
- 513 – Trench soakaway details
- 514 – Kerb details
- 515/1 – Contouring Layout Sheet 1
- 515/2 – Contouring Layout Sheet 2

Where gravel boards have been utilised post length to be increased accordingly to ensure minimum 600mm embedment in the natural ground on the low side.

ENGINEERING LAYOUTS SHOULD BE USED FOR:
All adoptable sewer & highway works – position & level
All private building drainage – position & level
All regrade & retaining works – position & height
Road names & postal numbers
Street lighting & other street furniture / signage

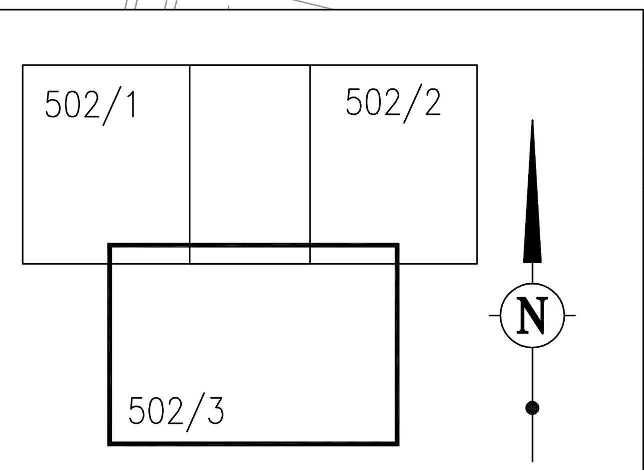
ENGINEERING LAYOUTS SHOULD NOT BE USED FOR:
Fencing & drive positions or materials
Private house paths or patios
House types & positions

LATERAL SPECIFICATION
Position & invert levels of all existing laterals to be confirmed prior to construction & any discrepancies reported to the Bovis Homes Engineer

Bollard Specification

b ■ 0.15m square Epping Timber bollard ESG 150/1500 set 1m above ground level supplied by Furnitubes or similar approved.

FP1 Feeder pillars to service private street lighting column PL1. Feeder pillars to be waterproof lockable kiosk of adequate space for a 500x300mm meter board (EDF) such that the bottom edge of the board will not be less than 450mm or more than 1200mm from the ground (Haldo E1/HDP/146 or similar). Supply & install by the Groundworks contractor.



Sheet Layout