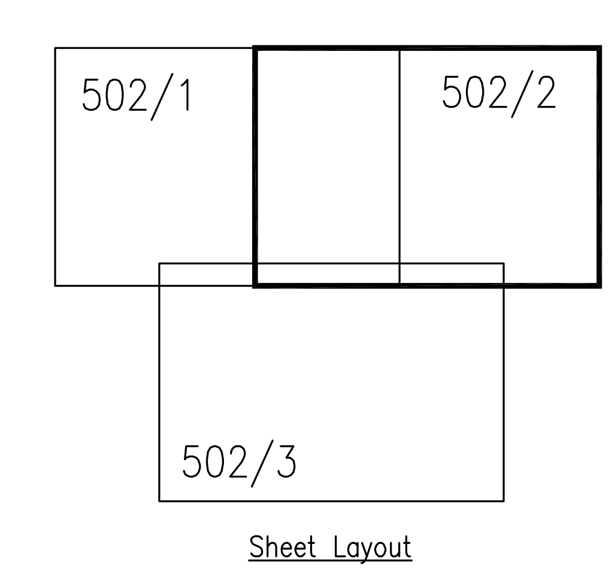
DRAWING LIST
04 – Hard landscaping Layout
502/1 – Engineering layout sheet 1
502/2 – Engineering layout sheet 2
503/1 – Road & Sewer section sheet 1
503/2 – Road & Sewer section sheet 2
504/1 – Typical road details sheet 1
504/2 – Typical Road Details sheet 2
505 – Typical sewer details
506 – Private 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

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

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.



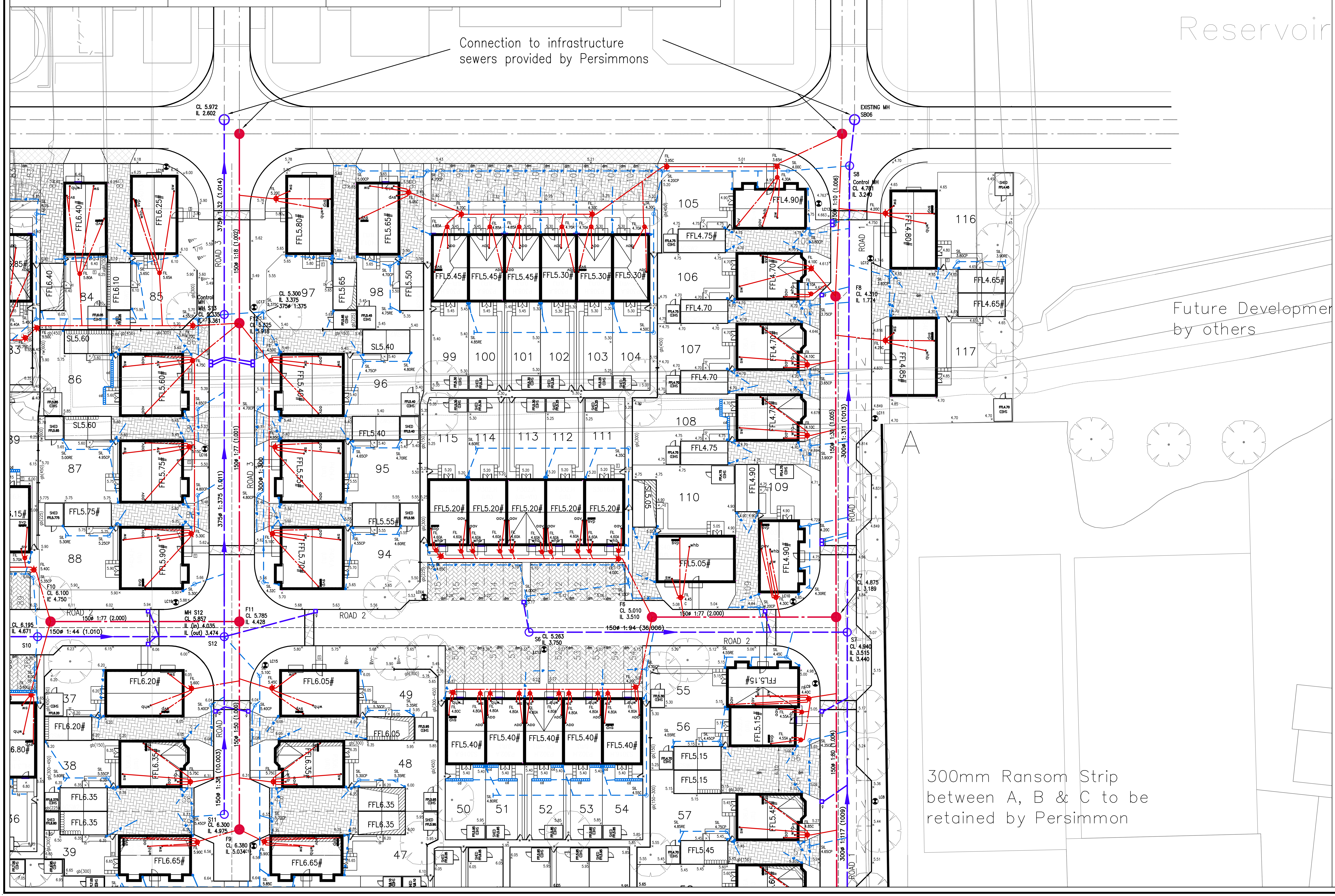
Sheet Layout

ADOPTABLE STREET LIGHTING SPECIFICATION – PROVISIONAL

Lighting Columns : 6m straight shaft (no outreach bracket), polymer coated (12B21)
Lanterns : WRTL Performer with 36W PLL lamp and dimming ballast HF–R–DALI, fitted with Mayflower six–pin NEMA socket, post top mounted set with no tilt (0 degrees)
Switch controls : Mayflower Intelligent Management Systems (MIMS) remote monitoring Node to plug into six–pin NEMA socket in each lantern.
Dimming : 25% dimming at dusk, 50% dimming at midnight.

Installation & erection shall be carried out in compliance with the current edition of the Hampshire County Council Specification & Electrical Safety Policy, the current edition of BS7671, all relevant British Standards & the Code of Practice for the Erection of Street Lighting equipment published by the Association of Street Lighting Contractors.

◉ Private street lighting specification as per adoptable specification.



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

—●—	Proposed adoptable foul sewer.
—○—	Proposed adoptable storm sewer.
—●—	Foul drainage
—○—	Storm drainage.
bd	Backdrop.
re	Rodding eye.
CL50.00	Cover level.
FIL50.00	Foul invert level.
SIL50.00	Storm invert level.
cd	Channel drain.
bc	Block channel.
dc	Dished channel.
• svp	Soil & vent pipe
• sw; ss	Standing waste; stub stack
• aav	Air admittance valve.
• whb	wash hand basin
• wc	water closet
○	Rainwater pipe.
SL50.00	Finished Slab level (integral garage to be 150mm lower unless shown).
+ 50.00	Proposed finished level.
+ (50.00)	Existing level.
gb (450)	Gravel board (max retaining height shown)
rw (0.9)	Retaining wall. (max retaining height shown)
lw (450)	Log wall (max retaining height shown)
SE	Slab on Edge
▬	Screen wall
	Banking.
▨	Underbuild.
	Tanking
	Steps in paths.
2	Number of steps
rs	Railway sleeper steps
HR	Handrail/Guarding
FG	Foul Gully
#	Dwelling has double dpc

A431	House type reference.
20	Plot number.
(12)	Postal number.
g □	Highway gully.
rg □	Road gully.
fg ⊞	Footpath gully.
yg ⊞	Yard gully.
ST	Silt Trap
FD	Filter Drain
cp ○	Catch pit.
→	Direction of fall.
hp	High point.
lp	Low point.
pc	Pedestrian crossing.
ms	mountable shoulder
R1	Road Sign ref.
b	Bollard.
rb	Removable Bollard.
snp	Street name plate.
R	Radius.
◉ ⊗	Street lighting.
◒	Existing Street lighting.
◒	Private lighting.
▩	Vehicular crossover.
⁚⁚⁚	Highway grass verge.
▧	Concrete Block Paving
dm	Demarcation.
hb	Half batter kerbs.
ce	Concrete edgings.
dk	Drop kerb.
— PL — PL —	38mm pvc black ducting for private st. light connections or power to remote garages
— IP —	Infiltration pipe

Rev	Date	Details	By
H	08.06.18	Channel drains added to patios and rear flanks of plots 86, 89–93 & 108.	HB
G	01.06.18	Channel drains added to patios and rear flanks of plots 50–54.	HB
F	19.10.17	SLs replaced with FFL for clarification. FFLs to plots 88, 98 & 99–104 amended. FFLs to garages serving plots 88 & 98 amended to suit. Drainage levels to plots 88, 98 & 99–104 amended. Gully added to Road 1 outside plot 106 to accommodate low point in road where surface water will gather. Underbuild removed from plots 86, 98 and removed from plot 94 & 95's garages. Tanking added to plot 85 and reduced on plot 86 & 87's garages. Fin drains on permeable drives changed to infiltration pipes. Shed levels added. Additional spot levels added to gardens. Hatch pattern for permeable paving and impermeable block paving identified on drawing legend.	HB
E	25.04.17	Road 1 updated to suit revised road design. Levels revised for plots 105–108 & 116–117. Road drainage updated to suit long sections.	NM
D	24.03.17	All garage personal doors amended and levels added	PT
C	09.11.16	Extra information added. S12 – Outfall – pipe increase to 375.	NM
B	29.04.16	Information updated to suite latest base plan and surface water design.	SY
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.
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SITE
HAMPTON PARK
LITTLEHAMPTON, WEST SUSSEX

DRAWING TITLE
ENGINEERING LAYOUT
SHEET 2

DRAWN BY	DATE	DRAWING NO.	REV
SY	NOV 2015	LITL–502/2	H
SCALE: 1/250 at A1	CHECKED/DATE		

ARUN DISTRICT COUNCIL LU/281/18/DOC