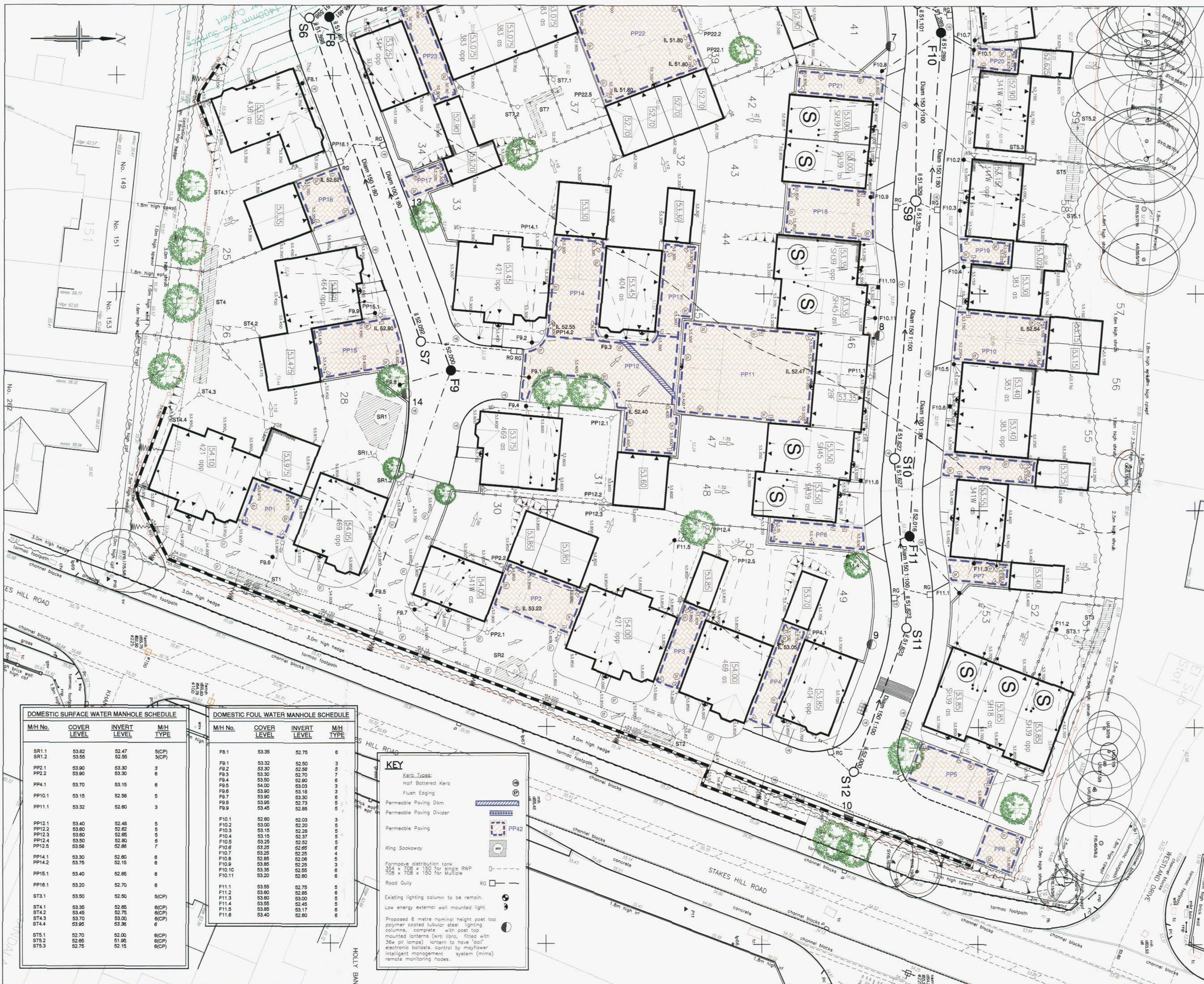




- NOTES**
- 1) FW & SW house drainage is to be constructed in accordance with the Building Regulations & BS8301
 - 2) Drains are to be constructed using flexible jointed vitrified clay pipes to BS EN 295-1991 'Super Strength' specification (e.g. Hapworth Superstone or similar) or uPVC drainage pipework to BS4660 & BS2494, bedded & backfilled in accordance with manufacturers instructions
 - 3) Backfilling of drain trenches adjacent to dwelling or other structure to be in accordance with BS8301-Fig. 9
 - 4) Access fittings & inspection chambers as table below:-

TYPE	DEPTH RANGE	DESCRIPTION
3	0.6m to 3.0m	450mm diameter Flexible or Rigid access chamber (Non Entry) in areas subject to vehicle loading
4	0.6m to 3.0m	450mm diameter Flexible / Rigid access chamber (Non Entry) in areas subject to light vehicle loading
5	0.6m to 1.0m	450mm diameter Flexible / Rigid access chamber (Non Entry)
6	0.6m to 1.0m	180mm diameter Flexible / Rigid access chamber (Non Entry)
7	0.6m to 2.0m	190 or 225x100mm diameter Flexible access chamber (Non Entry)
8	0.0m to 0.6m	190 or 225x100mm diameter Flexible access chamber (Non Entry)
RE		Rodding point at head of drain

- 5) Cover levels indicated on the Drainage Schedules are nominal & may be adjusted to suit finished ground levels as necessary. Inspection chamber covers should be Grade D400 in trafficked areas Grade B125 in parking areas and occasional traffic and A15 in pedestrian only areas
- 6) Rainwater downpipes to be connected direct to drain using an appropriate adaptor & removable section of downpipe to permit rodding access
- 7) The positions of SVP's, stub stacks, WC outlets, Back inlet gullies etc. & rainwater downpipes are to be accurately located from the house type working drawings
- 8) Generally FW drains are to be laid to falls of 1 in 40, SW drains are to be laid to falls of 1 in 60, both in 100mm diameter pipes, unless stated otherwise, or where a schedule is provided
- 9) Gullies situated in areas accessible to wheeled vehicles to be of suitable construction for trafficked areas.

- KEY**
- Surface water drainage / With external backdrop
 - Foul water drainage / With external backdrop
 - House connection via 300mm dia. shallow access chamber not more than 600mm deep
 - Private Gully & connection
 - Rodding eye
 - Prom crossing
 - Finished floor level or detached garage slab
 - Proposed ground level
 - Existing ground level
 - Extra depth exposed brickwork below dpc
 - Tanking / Raised DPC
 - Unilog retaining walls
 - Retaining walls
 - Ramp
 - Rumble Strip
 - Indicative earthworks, actual amount to be determined on site
 - Indication of falls
 - Protection to pipes by concrete bed and surround
 - Soakage Trench
 - Tactile paving
 - Tree protection fencing

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Do not scale - refer to figured dimensions only.

DOMESTIC SURFACE WATER MANHOLE SCHEDULE			
M/H No.	COVER LEVEL	INVERT LEVEL	M/H TYPE
SR1.1	53.82	52.47	5(CP)
SR1.2	53.55	52.55	3(CP)
PP2.1	53.90	53.30	3
PP2.2	53.90	53.30	3
PP4.1	53.70	53.15	6
PP10.1	53.15	52.58	5
PP11.1	53.32	52.60	3
PP12.1	53.40	52.48	5
PP12.2	53.60	52.62	5
PP12.3	53.60	52.65	5
PP12.4	53.58	52.68	7
PP14.1	53.30	52.80	6
PP14.2	53.75	52.15	6
PP15.1	53.40	52.85	6
PP16.1	53.20	52.70	6
ST3.1	53.50	52.50	5(CP)
ST4.1	53.35	52.65	6(CP)
ST4.2	53.45	52.75	6(CP)
ST4.3	53.70	53.00	6(CP)
ST4.4	53.95	53.35	6
ST5.1	52.70	52.00	6(CP)
ST5.2	52.65	51.95	6(CP)
ST5.3	52.75	52.15	6(CP)

DOMESTIC FOUL WATER MANHOLE SCHEDULE			
M/H No.	COVER LEVEL	INVERT LEVEL	M/H TYPE
F8.1	53.35	52.75	6
F8.1	53.32	52.60	6
F8.2	53.30	52.70	6
F8.3	53.30	52.70	6
F8.4	53.50	52.90	6
F8.5	54.00	53.03	6
F8.6	53.90	53.18	6
F8.7	53.90	53.30	6
F8.8	53.95	52.73	6
F8.9	53.45	52.85	6
F10.1	52.60	52.03	3
F10.2	53.00	52.00	3
F10.3	53.15	52.28	3
F10.4	53.15	52.37	3
F10.5	53.25	52.52	3
F10.6	53.25	52.65	3
F10.7	53.25	52.25	4
F10.8	52.85	52.06	6
F10.9	53.85	52.15	6
F10.10	53.35	52.55	6
F10.11	53.20	52.80	6
F11.1	53.55	52.75	5
F11.2	53.60	52.85	5
F11.3	53.60	53.00	5
F11.4	53.65	52.46	5
F11.5	53.85	53.17	5
F11.6	53.40	52.80	5

- KEY**
- Kerb Types:
 - Half Battered Kerb
 - Flush Edging
 - Permeable Paving Dam
 - Permeable Paving Divider
 - Permeable Paving
 - Ring Soakaway
 - Formwork distribution tank 354 x 708 x 150 for single RWP 708 x 708 x 150 for Multiple
 - Road Gully
 - Existing lighting column to be remain.
 - Low energy external wall mounted light
 - Proposed 6 metre nominal height post top polymer coated tubular steel lighting columns, complete with post top mounted lanterns (w/110v, fitted with 36w p/l lamps) lantern to have 'dial' electronic ballasts, control by mayflower intelligent management system (mims) remote monitoring nodes.

Rev	Date	Details	By	Chkd
H	05.11.12	Gully removed/relocated adjacent to Plots 49/50	SRV	IDC
G	14.09.12	F8-F9 & F10-F11 pipe size revised	SRV	IDC
F	10.08.12	M/H Table revised FW rising main thrust block added	SRV	IDC
E	08.08.12	ramped access revised	SRV	IDC
D	31.07.12	Drainage network, Tactile crossing added in accordance with R&A	SRV	IDC
C	18.07.12	Additional wall mounted lights added to parking courts etc	IDC	KMR
B	05.07.12	Wall mounted lights added	IDC	IDC
A	07.06.12	Tree Protection Fencing shown, Proposed trees added	IDC	KMR

Client: **DAVID WILSON HOMES**

Site: **Stakes Road, Purbrook, Hampshire**

Date: **Mar.2012**

Drawn: **SLW**

Drawing No: **BSO/E3945/111 H**

Drawing Title: **DOMESTIC ENGINEERING LAYOUT**

3 OF 3

Scales: **1:200 @ A1**

Checked: **KMR**

HAVANT BOROUGH COUNCIL

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