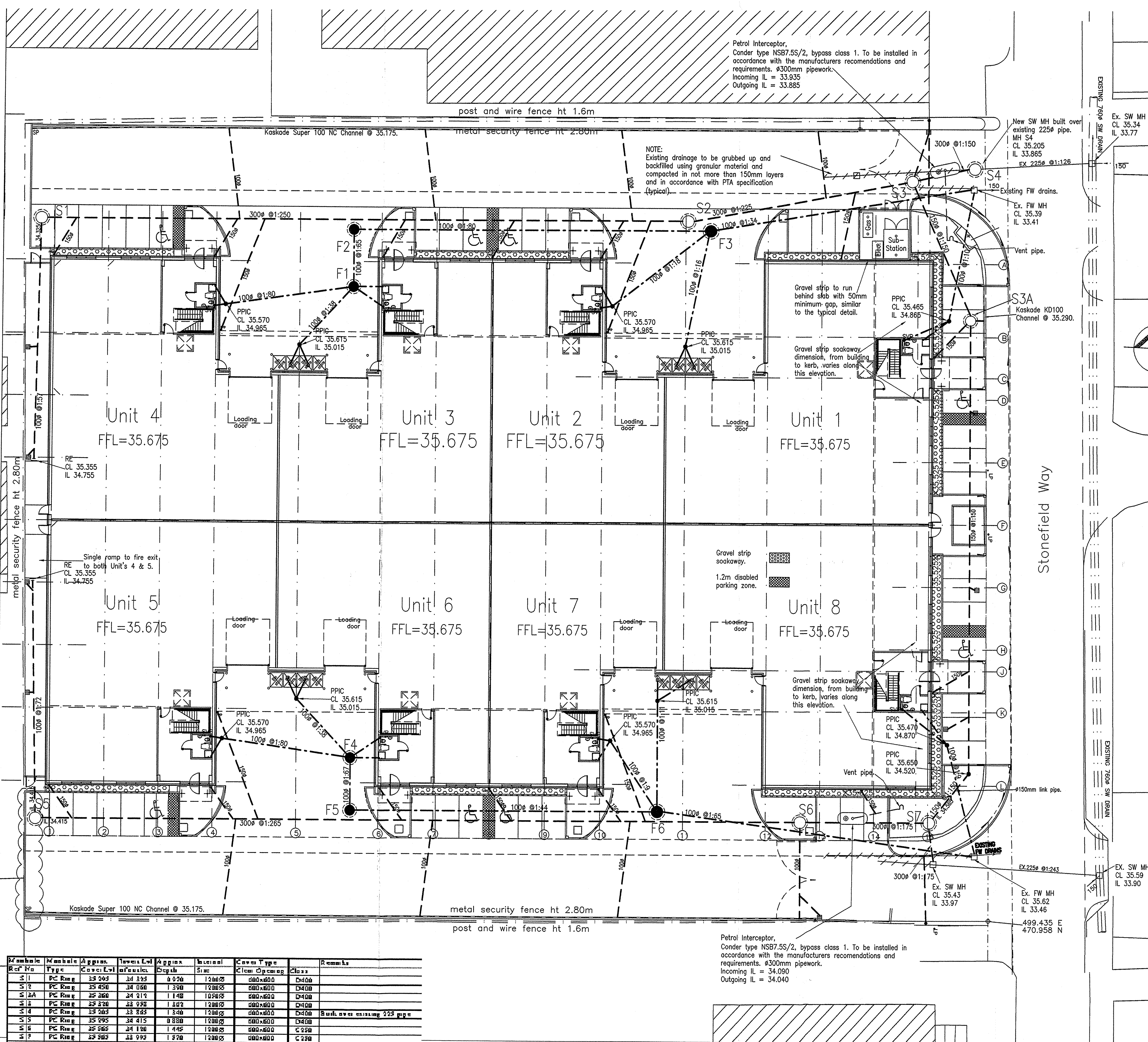




Manhole Ref No	Manhole Type	Aggr. Cover Lvl	Access Lvl	Approx. Depth	Invert Lvl	Cover Type	Class	Remarks
S1	PC Ring	33.243	34.323	0.920	1.200	600x600	D400	
S2	PC Ring	33.450	34.060	1.390	1.200	600x600	D400	
S3	PC Ring	33.260	34.212	1.148	1.050	600x600	D400	
S4	PC Ring	33.230	33.938	1.302	1.200	600x600	D400	
S5	PC Ring	33.203	33.863	1.340	1.200	600x600	D400	Build over existing 225 pipe
S6	PC Ring	33.005	34.415	0.850	1.200	600x600	D400	
S7	PC Ring	33.565	34.190	1.445	1.200	600x600	C250	
S8	PC Ring	33.563	33.993	1.570	1.200	600x600	C250	
F1	PC Ring	33.540	34.800	0.740	1.050	600x600	D400	
F2	PC Ring	33.493	34.710	0.763	1.050	600x600	D400	
F3	PC Ring	33.475	34.255	1.220	1.200	600x600	D400	
F4	PC Ring	33.540	34.800	0.740	1.050	600x600	D400	
F5	PC Ring	33.420	34.720	0.750	1.050	600x600	D400	
F6	PC Ring	33.480	34.010	1.470	1.200	600x600	D400	

Private Drainage Key

	FOUL	STORM
Rodding Eye	—●—	—●—
Shallow Inspection Chamber	—○—	—○—
450ø Inspection Chamber	—●—	—○—
450ø restricted Access	—●—	—○—
Inspection Chamber	—●—	—○—
Concrete/Brickwork Manhole	—■—	—■—
PC Concrete Ring Manhole	—●—	—○—
Soil and Vent Pipe	—●—	—○—
Rainwater Pipe	—●—	—○—
Private Road Gully	—●—	—○—
Private Yard Gully	—●—	—○—

- Do not scale from this drawing.
- In case of any discrepancies in drawings, details or bills, refer to engineers for clarification: unilateral decisions by the Contractor will not be accepted.
- This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
- The Contractor is advised that all design drawings and information are to be read concurrently and any discrepancies or omissions reported directly to PTA Structural Department.
- All private drainage works to be in accordance with Part H of the current Building Regulations and BS 5301.
- All private drainage to be either:
PVCu to BS EN 1401-1 (BS 4660/5481) by Caradon, Marley or similar.
OR
Vitrified Clayware to BS 65 and BS EN 295.
OR
Concrete to BS 5911 and flexibly jointed.
- The drainage design shown on this drawing has been based upon a PVCu drainage system.
- RWP lateral connections are to be sized to suit RWP size as designed by specialist. Gully laterals to be sized to suit gully outlets. All other pipes are 110mm diameter unless noted otherwise.
- Foundations adjacent to drain runs are to be constructed so that the difference between the formation level of the foundation and invert level of any drain must not exceed the horizontal distance minus 500mm.
- Where foul and surface water sewers cross and there is less than 100mm clearance short lengths of both runs are to be encased in concrete.
- All RWP, SVP and foul drainage positions are to be confirmed by the Architect.
- Where RWPs are connected direct to drain, rodding access plates are to be provided.
- For pipe bedding and backfill details refer to drawing number 7254-6003.

© Powell Tolner & Associates
The contents of this drawing may not be reproduced in whole or in part without the prior written permission of Powell Tolner & Associates.

Drawing Status		
AS BUILT		
SUBJECT TO THE FOLLOWING:-		
Drawing Approvals Status	Submitted	Approved
Building Regulations	26.03.04	PENDING
Crossover	11.06.04	20.10.04
Section 278 (Highways)	N/A	N/A
Section 104 (Drainage)	N/A	N/A
Drainage Connections	29.03.04	21.07.04
Environment Agency	PENDING	PENDING
Planning Conditions	08.10.03	12.12.03

H	Dwgs issued to 'As Built' as confirmed by Track Construction	MA	15.12.04
G	Drainage updated.	APT	12.07.04
F	Fire exit to Unit's 4 & 5 revised-ramp & gullies as built by TRAK. IL of S1 amended.	JDF	07.06.04
E	Interceptor note removed. Plan amended to suit Arch. dwg 9486/10/01D. Drainage runs behind Unit's 4 & 5 revised.Gravel strips & rwp's amended.	JDF	28.06.04

Project Title
Lex, Stonefield Way South Ruislip

Drawing Title
Drainage Layout

Date	Feb '04	Checked DO	Checked ENG
Drawn	JDF	JDF	MDF
Scale	1:200		
Project No.	7223	Drawing No.	6001
		Rev.	H

Consulting Engineers,
29 Red Lion Street,
Chesham,
Bucks.
HP5 1EJ

pta
POWELL
TOLNER &
ASSOCIATES

Tel: 01494 772721
Fax: 01494 775304
E-mail: central@ptaconsult.co.uk