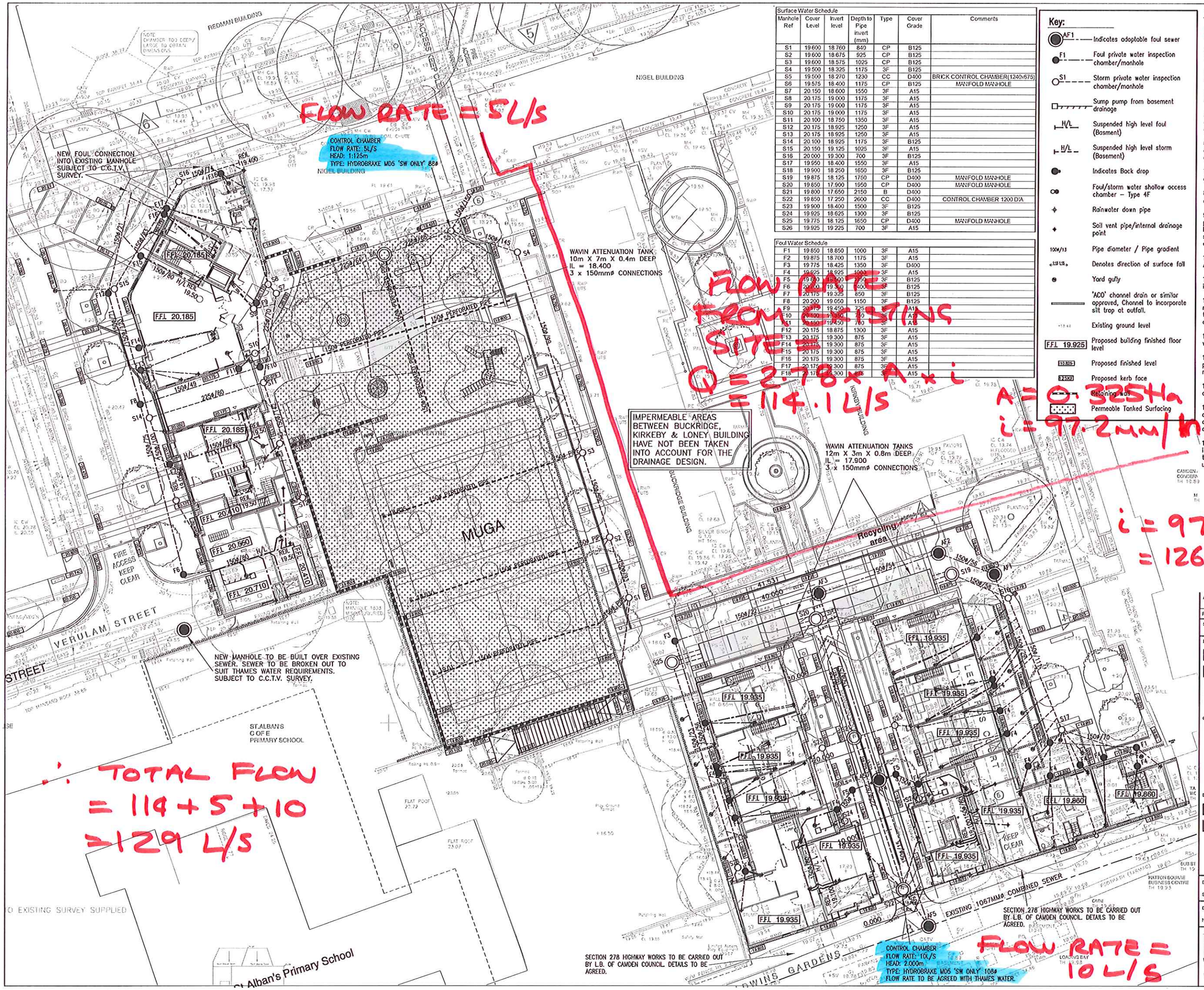

Surface Water Schedule						
Manhole Ref	Cover Level	Invert level	Depth to Pipe invert (mm)	Type	Cover Grade	Comments
S1	19.600	18.760	840	CP	B125	
S2	19.600	18.675	925	CP	B125	
S3	19.600	18.575	1025	CP	B125	
S4	19.500	18.325	1175	3F	B125	
S5	19.500	18.270	1230	CC	D400	BRICK CONTROL CHAMBER(1240x675)
S6	19.575	18.400	1175	CP	B125	MANFOLD MANHOLE
S7	20.150	18.600	1550	3F	A15	
S8	20.175	19.000	1175	3F	A15	
S9	20.175	19.000	1175	3F	A15	
S10	20.175	19.000	1175	3F	A15	
S11	20.100	18.750	1350	3F	A15	
S12	20.175	18.925	1250	3F	A15	
S13	20.175	18.925	1250	3F	A15	
S14	20.100	18.925	1175	3F	B125	
S15	20.150	19.125	1025	3F	A15	
S16	20.000	19.300	700	3F	B125	
S17	19.950	18.400	1550	3F	A15	
S18	19.900	18.250	1650	3F	B125	
S19	19.875	18.125	1750	CP	D400	MANFOLD MANHOLE
S20	19.850	17.900	1950	CP	D400	MANFOLD MANHOLE
S21	19.800	17.650	2150	B	D400	
S22	19.850	17.250	2600	CC	D400	CONTROL CHAMBER 1200 DIA
S23	19.900	18.400	1500	3F	B125	
S24	19.925	18.625	1300	3F	B125	
S25	19.775	18.125	1650	CP	D400	MANFOLD MANHOLE
S26	19.925	19.225	700	3F	A15	

Foul Water Schedule						
F1	19.850	18.850	1000	3F	A15	
F2	19.875	18.700	1175	3F	A15	
F3	19.775	18.425	1350	3F	D400	
F4	19.925	18.925	1000	3F	A15	
F5	19.850	18.500	1350	3F	B125	
F6	20.000	19.300	700	3F	B125	
F7	20.175	19.325	850	3F	B125	
F8	20.200	19.050	1150	3F	B125	
F9	20.175	19.450	725	3F	A15	
F10	20.100	19.300	700	3F	A15	
F11	20.150	19.450	700	3F	A15	
F12	20.175	18.875	1300	3F	A15	
F13	20.175	19.300	875	3F	A15	
F14	20.175	19.300	875	3F	A15	
F15	20.175	19.300	875	3F	A15	
F16	20.175	19.300	875	3F	A15	
F17	20.175	19.300	875	3F	A15	
F18	20.175	19.300	875	3F	A15	

Key:

- AF1 — Indicates adoptable foul sewer
- F1 — Foul private water inspection chamber/manhole
- S1 — Storm private water inspection chamber/manhole
- Sump pump from basement drainage
- H/L — Suspended high level foul (Basment)
- H/L — Suspended high level storm (Basement)
- Indicates Back drop
- Foul/storm water shallow access chamber – Type 4F
- Rainwater down pipe
- Soil vent pipe/internal drainage point
- 100ø/1:3 — Pipe diameter / Pipe gradient
- 1:50 1:25 — Denotes direction of surface fall
- Yard gully
- 'ACO' channel drain or similar approved, Channel to incorporate silt trap at outfall.
- 19.43 — Existing ground level
- F.F.L 19.925 — Proposed building finished floor level
- 19.825 — Proposed finished level
- 19.825KD — Proposed kerb face
- Retaining wall
- Permeable Tanked Surfacing

Notes:

1. For adopted foul sewer diversion refer to drawing No. C6475-CE7.
2. For drainage construction details refer to drawing No. C6475-CE5 & CE8.
3. For pavement construction details refer to drawing No. C6475-CE4.
4. All pipe runs are to be 100mm nominal diameter unless otherwise stated.
5. The contractor is responsible for maintaining existing flows during all phases of diversionary drainage works.
6. For information and setting out of internal drainage points refer to Architects layout drawings.
7. The contractor is responsible for providing gullies at all low spots in private areas.
8. All chamber cover levels given are approximate to +/- 50mm.
9. All lateral pipe connections encountered as part of diversionary works are considered to be live unless stated otherwise on the drawing, and should therefore be connected back into the new drainage system.
10. For details of external finishes refer to Architects layout plans.
11. All existing manholes & pipe work to remain insitu.
12. All suspended drainage is to be fitted with rodding access points as close to the head of the run as possible, at any change in direction and at no more than 12m centres.
13. Traps are to be provided to all new surface water down pipes.
14. Pipe gradients are for guidance only. For precise invert levels of manholes, please refer to manhole schedule.
15. All redundant private pipework to be broken out and connections stopped up.
16. All private drainage beneath adoptable carriageway shall be vitrified clay extra strength and with concrete bed and surround should cover depth be less than 1.2m.
17. All level entrances with no channel drain indicated to have level threshold drain installed to architects detail, discharging to granular pit underneath.

REV	DATE	AMENDMENT	BY	CHKD
A	29.07.14	FFLs adjusted following architects comments	LRW	

STATUS: TENDER

PROJECT: BOURNE ESTATE LONDON

CLIENT: Higgins

DRAWING: DRAINAGE & EXTERNAL LEVELS LAYOUT

DATE 04.07.14 DRAWN BY DMB

SCALES (@A1) 1:200 CHECKED BY

DRG NO. C6475 – CE6A

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