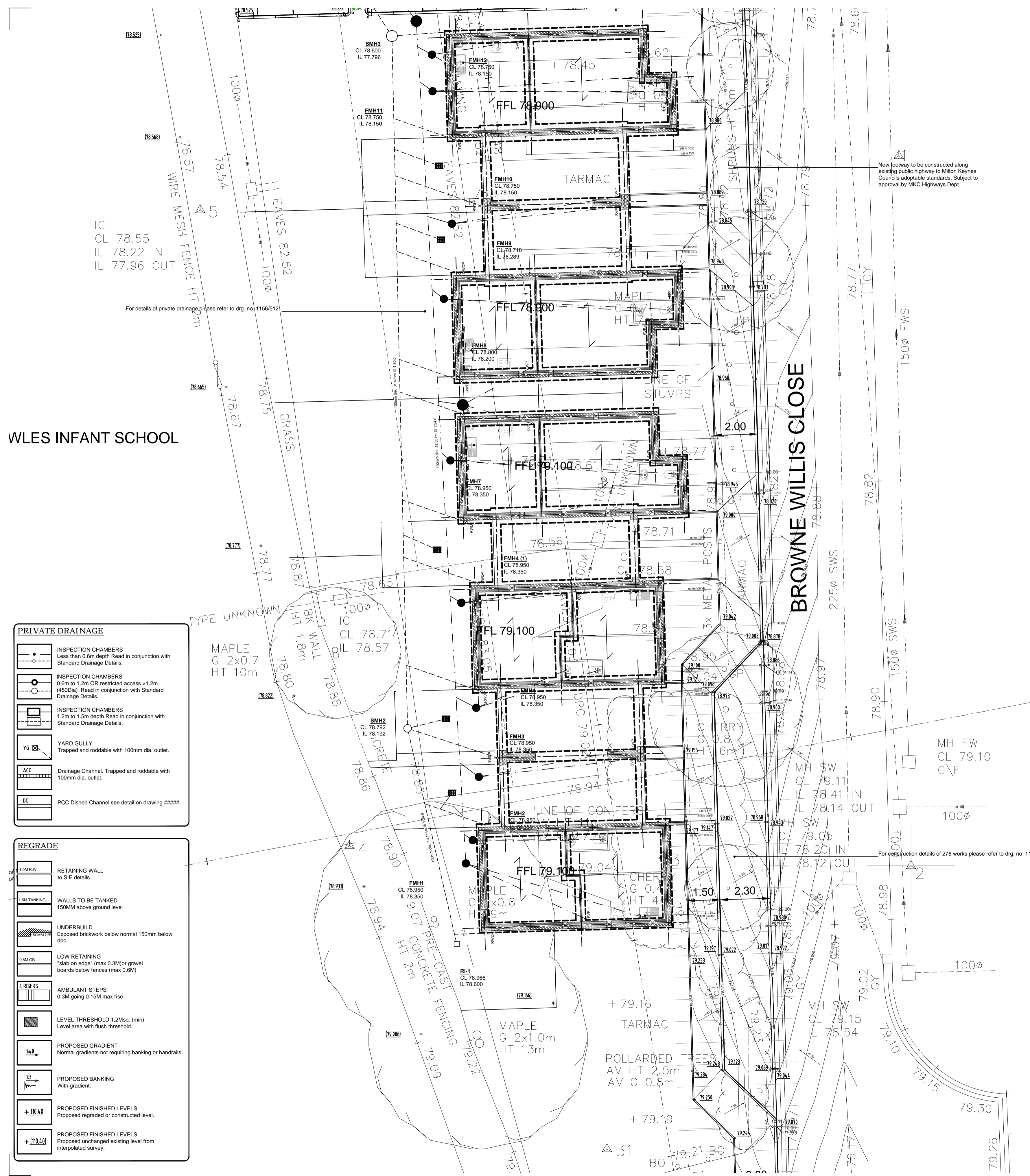


WLES INFANT SCHOOL

BROWNE WILLIS CLOSE



Manhole Schedule Private Foul Drainage 1					
Structure Name	Easting	Northing	Cover Level	Invert Level	Pipes Dia.
EX. FMH14b	967.244	1076.200	77.914 + [0.016]	77.070	100mm 100mm 100mm
FMH1	979.637	1000.110	79.027 + [-0.077]	78.350	100mm 100mm 100mm
FMH2	979.952	1001.176	78.990 + [-0.040]	78.350	100mm 100mm 100mm
FMH3	980.229	1004.069	78.878 + [0.072]	78.350	100mm 100mm 100mm
FMH4	980.115	1007.226	78.775 + [0.175]	78.350	100mm 100mm 100mm
FMH4 (1)	979.432	1012.030	78.638 + [0.312]	78.350	100mm 100mm 100mm 100mm
FMH6	977.370	1038.630	78.469 + [0.219]	77.635	100mm 100mm
FMH7	978.930	1018.541	78.735 + [0.215]	78.350	100mm 100mm 100mm
FMH8	979.495	1021.081	78.718 + [0.082]	78.200	100mm 100mm 100mm 100mm
FMH9	978.630	1025.929	78.718 + [0.000]	78.289	100mm 100mm 100mm
FMH10	978.999	1029.365	78.714 + [0.036]	78.150	100mm 100mm 100mm
FMH11	978.116	1035.425	78.503 + [0.247]	78.150	100mm 100mm 100mm
FMH12	978.088	1037.097	78.484 + [0.266]	78.150	100mm 100mm 100mm
FMH13	965.488	1055.620	78.337 + [0.000]	77.376	100mm 100mm 100mm
FMH14	962.144	1074.383	77.877 + [0.000]	77.138	100mm 100mm
FMH16	967.027	1074.845	77.942 + [0.358]	77.700	100mm 100mm 100mm
FMH16 (1)	983.223	1060.387	78.285 + [0.358]	78.043	100mm 100mm
FMH17	972.601	1057.182	78.588 + [-0.288]	77.700	100mm 100mm
FMH20	989.458	1057.899	78.623 + [-0.080]	78.162	100mm 100mm 100mm

Manhole Schedule Private Storm Drainage 1					
Structure Name	Easting	Northing	Cover Level	Invert Level	Pipes Dia.
RG1	967.087	1054.672	78.185 + [0.000]	77.891	150mm
RG2	979.056	1054.909	78.263 + [0.000]	77.840	150mm
RG3	985.891	1050.698	78.549 + [0.000]	77.896	150mm
RI-1	979.221	996.426	79.116 + [-0.150]	78.600	100mm
RI-8	992.190	1070.335	78.680 + [0.000]	78.430	100mm
SMH2	976.972	1006.286	78.792 + [0.000]	78.192	100mm 100mm 100mm
SMH3	976.257	1037.951	78.477 + [0.123]	77.796	100mm 100mm 100mm
SMH4	965.136	1055.142	78.331 + [0.000]	77.540	100mm 150mm 150mm
SMH5	983.857	1055.839	78.603 + [0.000]	78.013	150mm 150mm 100mm
SMH7	961.206	1077.738	77.753 + [0.000]	77.153	150mm 100mm 100mm
SMH7 (1)	958.844	1078.196	77.736 + [0.000]		100mm
SMH9	990.747	1073.618	78.503 + [0.000]	78.100	100mm 100mm
SMH10	983.158	1076.450	78.216 + [0.000]	77.755	100mm 100mm
YG-1	979.012	1003.332	78.898 + [0.000]	78.437	100mm
YG-2	978.741	1006.726	78.779 + [0.000]	78.318	100mm
YG-3	978.334	1014.456	78.648 + [0.000]	78.171	100mm
YG-4	978.504	1028.634	78.717 + [0.000]	77.434	100mm
YG-5	978.420	1032.014	78.619 + [0.000]	77.434	100mm
YG-6	982.493	1060.465	78.540 + [0.000]	77.271	100mm
YG-7	987.548	1053.497	78.612 + [0.000]	77.909	150mm

PRIVATE DRAINAGE

- INSPECTION CHAMBERS
Less than 0.6m depth Read in conjunction with Standard Drainage Details.
- INSPECTION CHAMBERS
0.6m to 1.2m OR restricted access >1.2m (450Dia) Read in conjunction with Standard Drainage Details.
- INSPECTION CHAMBERS
1.2m to 1.5m depth Read in conjunction with Standard Drainage Details.
- YARD GULLY
Trapped and roddable with 100mm dia. outlet.
- Drainage Channel, Trapped and roddable with 100mm dia. outlet.
- PCC Dished Channel see detail on drawing #####.

REGRADE

- RETAINING WALL
To S.E details
- WALLS TO BE TANKED
150MM above ground level
- UNDERBUILD
Exposed brickwork below normal 150mm below dpc.
- LOW RETAINING
"slab on edge" (max 0.3M) gravel boards below fences (max 0.6M)
- AMBULANT STEPS
0.3M going 0.15M max rise
- LEVEL THRESHOLD 1.2Msq. (min)
Level area with flush threshold.
- PROPOSED GRADIENT
Normal gradients not requiring banking or handrails
- PROPOSED BANKING
With gradient.
- PROPOSED FINISHED LEVELS
Proposed regraded or constructed level.
- PROPOSED FINISHED LEVELS
Proposed unchanged existing level from interpolated survey.

- General Engineering Notes**
- This drawing shall be read in conjunction with all other relevant architects and engineers drawings.
 - It is the contractors responsibility to locate existing services where they may be affected by proposed works.
 - Design and construction details for all new or amended vehicle crossings to be approved by Milton Keynes Highways.
 - Where private drives fall towards adoptable highways, surface water run off shall be prevented from draining onto public areas with the use of a dished channel and yard gully or proprietary drainage channel located at the rear of adoptable footpath.
 - Where private drives fall towards private garages, a drainage channel with internal fall shall be used to prevent flooding of garages. Channels to be 'Acco' or similar approved.
 - All private drainage to be 100mm dia. with minimum falls of 1:80 unless noted otherwise.
 - All adoptable drainage shall be either clay, to BS65 with either socket or sleeve joint or concrete to BS5911 part 1.
 - All domestic drainage beneath adoptable highways shall be vitrified clay extra strength and with concrete bed and surround should cover be less than 1200mm.
 - Any discrepancies, ambiguities or anomalies in the information provided on this or any of the engineering drawings package must be reported prior to work proceeding.
 - The last or disconnecting length of any building drainage system which connects to adoptable or adopted sewers shall be 150mm dia.
 - Block paving in adoptable carriageways to be ??? in colour and laid to 45 deg. herringbone pattern.
 - Any service strips and areas within the road junctions (non footway or carriageway) shall be grassed.
 - Gullies shall not be placed within the limits of dropped crossings used by pedestrians or vehicles unless required for a low point.
 - Stop cock and meter covers shall not be located within vehicular crossing construction.

Rev	Amendment	By	Date
P1	First issue.	SWF	18.09.12
P2	New footway and car parking bays amended in accordance with comments from MKC and client instruction.	SWF	25.04.13



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Client
 City Estates & Brickhill Properties

Drawing
 Engineering & Drainage Layout
 @ 1:100 (sh 2 of 2)

Project
 St Martins Hall, Bletchley, Milton Keynes.

Scale 1:100 Date 18th Sept 2012 Approved AA
 Drawing no. 1156/506 P2

STATUS: PRELIMINARY