

- 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 ditched channel and yard gully or proprietary drainage channel located at the rear of adoptable loopath.
  - Where private drives fall towards private garages, a drainage channel with internal fall shall be used to prevent flooding of garages. Channels to be 'Aco' 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 7?? 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	Private foul drainage amended following checks on outfall invert level.	SWF	02.11.12
P3	Car parking area and entrance revised. Levels, drainage and setting out amended accordingly. Setting out references added for new footway.	SWF	25.04.13



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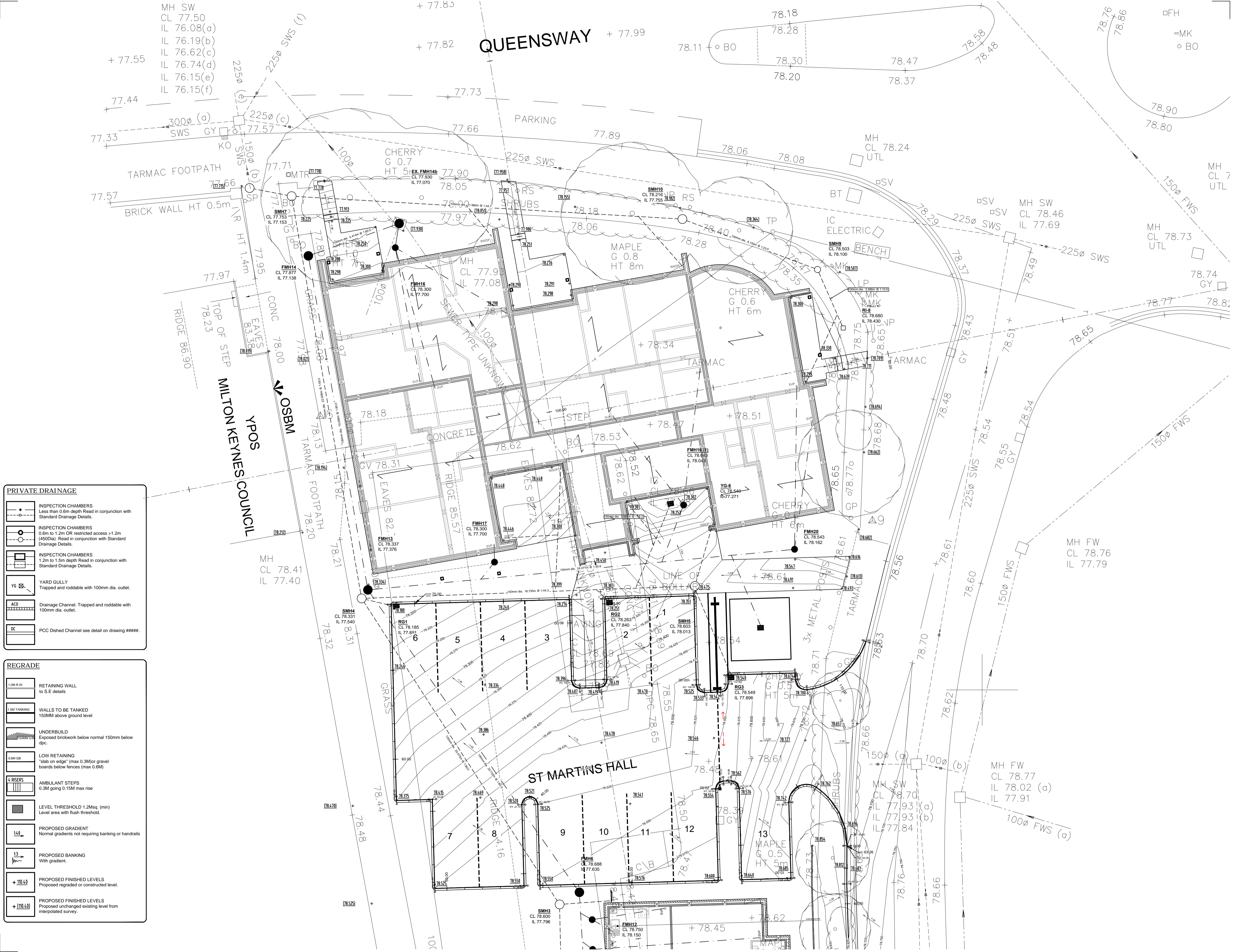
Client  
**City Estates & Brickhill Properties**

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

Project  
**St Martins Hall, Bletchley, Milton Keynes.**

Scale 1:100 Date 18th Sept 2012 Approved AA  
Drawing no. **1156/505 P3**

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**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 (4500a). 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.
- ACO  
Drainage Channel. Trapped and roddable with 100mm dia. outlet.
- CC  
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) or gravel boards below fences (max 0.6M)
- AMBIULANT 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.

STATUS: PRELIMINARY