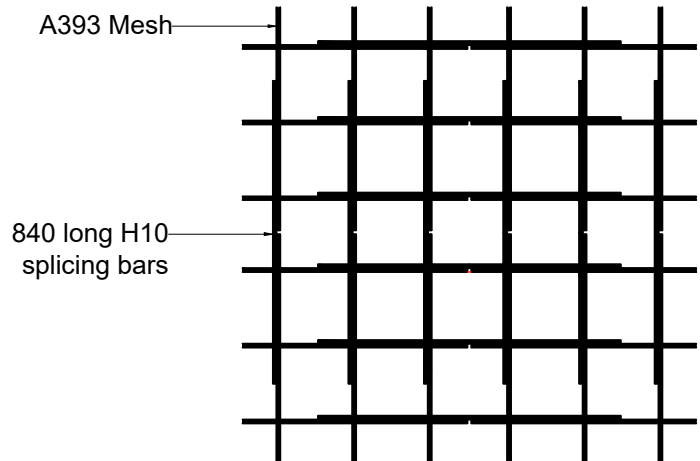


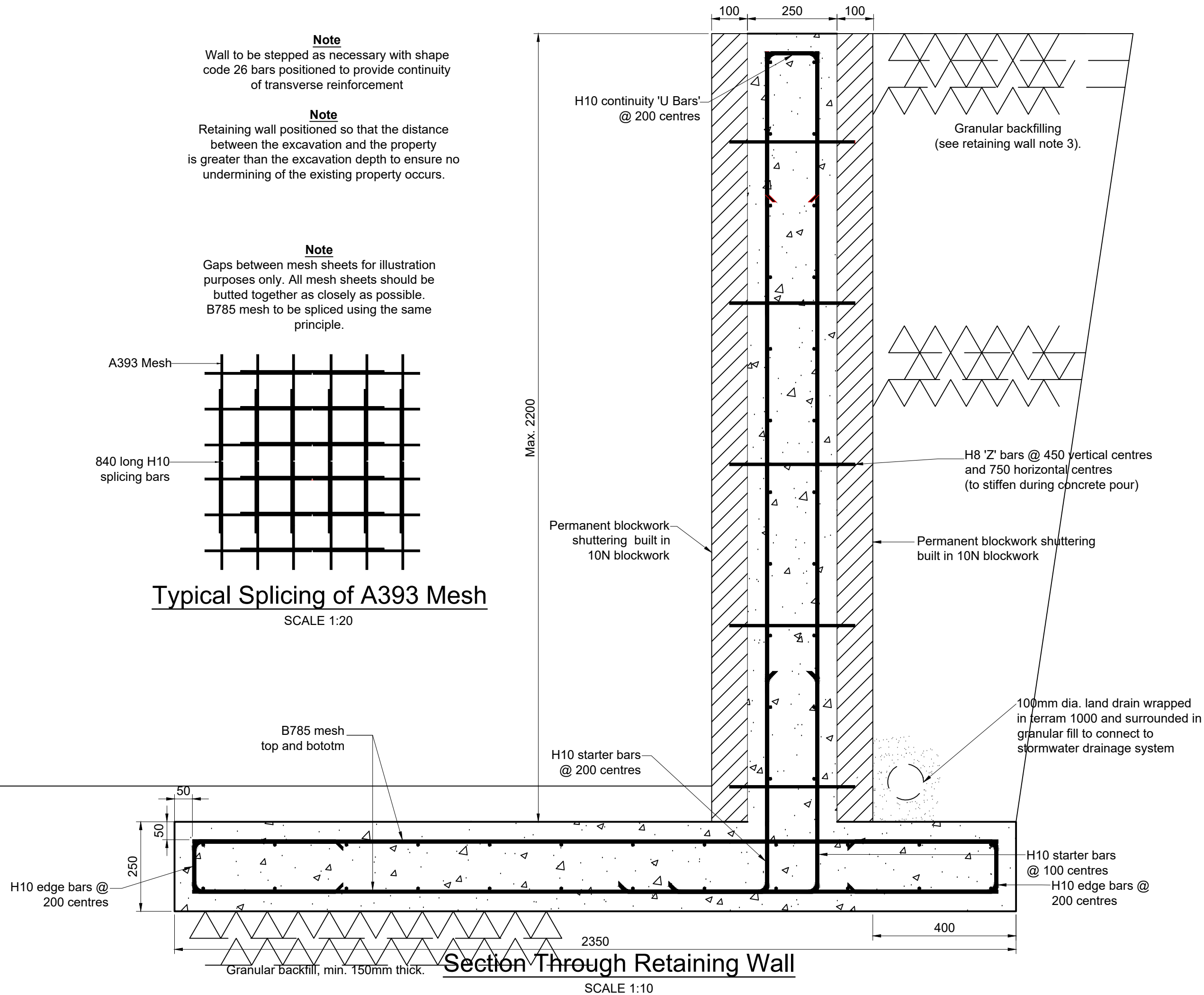
**Note**  
Wall to be stepped as necessary with shape code 26 bars positioned to provide continuity of transverse reinforcement

**Note**  
Retaining wall positioned so that the distance between the excavation and the property is greater than the excavation depth to ensure no undermining of the existing property occurs.

**Note**  
Gaps between mesh sheets for illustration purposes only. All mesh sheets should be butted together as closely as possible. B785 mesh to be spliced using the same principle.



**Typical Splicing of A393 Mesh**  
SCALE 1:20



**Section Through Retaining Wall**  
SCALE 1:10

- Retaining Wall**
- Concrete to be grade RC32/40.
  - All reinforcing steel to be GradeB500A, B500B or B500C conforming to BS4449:2005.
  - Backfill to retaining walls must be of a free draining granular nature laid in 150mm well compacted layers, undertaken after concrete has reached 28 day strength.
  - Maximum aggregate size in concrete to be 20mm.
  - Cover to steel to be 50mm.
  - Minimum lap length to be 42 diameters if reinforcement is to be lapped.
  - All foundations to bear onto natural undisturbed stratum.
  - Minimum allowable GBP at formation to be 150 kN/m2/ to be verified on site by suitably qualified personnel.
  - Maximum height of one concrete pour to be 2 courses of block (450mm).
  - All rear faces of external retaining walls to be coated with bitumastic waterproofing paint prior to backfilling (2No. coats of R1W or similar approved). Waterproofing to be protected with fibre board, or similar, before backfilling.

**General notes:-**  
Do not scale off this drawing  
  
Contractors to check all dimensions on site prior to fabrications and report any errors/omissions to the engineer prior to construction.  
  
This drawing is to be read in conjunction with all relevant Barratt Associates & architects drawings

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|             |                                |            |
|-------------|--------------------------------|------------|
| Project     | 5 Dyffryn Road, Pontardawe     |            |
| Client      | Mr and Mrs Zdyb                |            |
| Description | Section Through Retaining Wall |            |
| Dwg status  | Preliminary                    |            |
| Scales      | As shown at A3                 |            |
| Made by     | Checked                        | Date       |
| RD          | BA                             | 01.07.2020 |
| Job No      | Drawing No                     | Revision   |
| 202106      | 01                             | P1         |