

**Planning application reference: 2024/61/90058 at Penistone Road / Rowley Lane, Fenay Bridge, Huddersfield, HD8 0JS.**

**Method statement relating to installation of retaining wall to eastern boundary of development.**

**Initial Earthworks and site access.**

An initial earthworks exercise will be undertaken along with forming the site access under a relevant licence to ensure deliveries and safe site access/egress is achieved. Through discussion and subsequent agreement with Highways and relevant parties the likely proposal is to form a temporary access (in the position of the permanent site access) prior to (and facilitating) the full permanent access and eventual S278 works. Initial plant to form the access will gain access via the existing farm gate to the land.

An earthworks strategy will be implemented to reduce the development platform to a level to allow the foundation for the specialist retaining wall and working area to be installed.

The reduced level platform will be excavated in line with the section drawings attached SK04.01, SK04.02 and SK04.03.

**Prefabricated Wall Installation**

- 1) Set out line and level of wall in preparation for foundation excavation. Excavate trench to minimum dimensions indicated on engineering cross section. For ease of construction commence construction at the lowest point on the wall.
- 2) Place a Foundation ready to receive the wall construction.

***BASE COURSE & DRAINAGE***

- 3) Place the first layer of blocks on the prepared foundation. Position the units side by side, in full contact with the foundation and with each other along vertical edges of the front face of the blocks. On straight wall construction, placing a string line against the back of the units helps maintain alignment. Check level in both directions. Backfill immediately behind and within the voids between and in the blocks with granular fill & compact. For taller walls it may be convenient to place the base course in a foundation of lean-mix concrete.
- 4) Once the compacted foundation is in place and the base course completed, construction of the second course of blocks may commence. Sweep off the base course, making sure that the tops of the units are free from debris. Place new course in a staggered relationship to the course beneath (running bond), pulling each unit forward until secure.
- 5) Place a perforated, flexible drainpipe directly behind the units. As an alternative, the drainpipe can be daylighted through the face of the wall. The pipe must be cut and have a 'T' fitting attached to it. Part of a face unit should be cut to allow the 'T' to daylight through the face of the wall. Place 300mm of free draining aggregate directly behind the wall and over the drainpipe. Once the drainage installation is complete, the main wall construction can commence.

**WALL CONSTRUCTION**

- 6) Sweep off each course, making sure that the tops of the units are free from debris and construct the subsequent course of the wall by 'centering' a unit directly above the vertical joints of the course below (Running Bond). Pull the unit forward until the lower block locator is in contact with the back of the cam of the block above as before.
- 7) Place a free draining aggregate directly behind the blocks to form a drainage column, also filling the voids within the blocks. When the construction drawings show a geotextile required between

the drainage aggregate and the reinforcement soil fill, considerations should be given to using temporary lightweight timber shuttering. The shuttering is removed prior to laying a geogrid layer.

8) Fill all the remaining area behind the drainage aggregate with a suitable granular fill. The fill should be placed in layers not exceeding the height of the block and compacted to achieve a suitable density, typically 95% max. dry density.

9) Where ParaGrid™ is required, cut the geogrid to the appropriate length shown on the drawings. Place the geogrid flat over the compacted backfill and to within 25mm of the front face of the block. Ensure that the geogrid is taught and flat on the compacted surface prior to placing of subsequent granular layers and block courses.

NOTE: the geogrid is always placed with the roll direction (direction of strength) perpendicular to the wall face. When filling over the geogrid, a minimum of 100mm of fill must be placed over the geogrid before driving plant over it. See Below:



10) Repeat steps 6 to 9 until designed height is achieved, introducing ParaGrid™ at the levels shown on the construction drawings.

Upon completion of the specialist retaining wall, associated collateral warranties will be provided by the manufacturer and installer to Homes By Honey and the management company will take on onward maintenance.

To conclude, following installation of the wall, it will remain visible as set out in the cross section drawings attached SK04.01, SK04.02 and SK04.03. As such, there will be no retrospective action required by Honey. The integrity of the land to the west is therefore retained and the future road serving the wider housing allocation can be installed independently without any interaction with the honey development and retaining wall.